ETSI TS 131 124 V10.4.0 (2012-04)



Universal Mobile Telecommunications System (UMTS); LTE;

Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module Application Toolkit (USAT) conformance test specification (3GPP TS 31.124 version 10.4.0 Release 10)



Reference
RTS/TSGC-0631124va40

Keywords
LTE,UMTS

ETSI

650 Route des Lucioles F-06921 Sophia Antipolis Cedex - FRANCE

Tel.: +33 4 92 94 42 00 Fax: +33 4 93 65 47 16

Siret N° 348 623 562 00017 - NAF 742 C Association à but non lucratif enregistrée à la Sous-Préfecture de Grasse (06) N° 7803/88

Important notice

Individual copies of the present document can be downloaded from: <u>http://www.etsi.org</u>

The present document may be made available in more than one electronic version or in print. In any case of existing or perceived difference in contents between such versions, the reference version is the Portable Document Format (PDF). In case of dispute, the reference shall be the printing on ETSI printers of the PDF version kept on a specific network drive within ETSI Secretariat.

Users of the present document should be aware that the document may be subject to revision or change of status.

Information on the current status of this and other ETSI documents is available at

http://portal.etsi.org/tb/status/status.asp

If you find errors in the present document, please send your comment to one of the following services: http://portal.etsi.org/chaircor/ETSI_support.asp

Copyright Notification

No part may be reproduced except as authorized by written permission. The copyright and the foregoing restriction extend to reproduction in all media.

© European Telecommunications Standards Institute 2012.
All rights reserved.

DECTTM, **PLUGTESTS**TM, **UMTS**TM and the ETSI logo are Trade Marks of ETSI registered for the benefit of its Members. **3GPP**TM and **LTE**TM are Trade Marks of ETSI registered for the benefit of its Members and of the 3GPP Organizational Partners.

GSM® and the GSM logo are Trade Marks registered and owned by the GSM Association.

Intellectual Property Rights

IPRs essential or potentially essential to the present document may have been declared to ETSI. The information pertaining to these essential IPRs, if any, is publicly available for **ETSI members and non-members**, and can be found in ETSI SR 000 314: "Intellectual Property Rights (IPRs); Essential, or potentially Essential, IPRs notified to ETSI in respect of ETSI standards", which is available from the ETSI Secretariat. Latest updates are available on the ETSI Web server (http://ipr.etsi.org).

Pursuant to the ETSI IPR Policy, no investigation, including IPR searches, has been carried out by ETSI. No guarantee can be given as to the existence of other IPRs not referenced in ETSI SR 000 314 (or the updates on the ETSI Web server) which are, or may be, or may become, essential to the present document.

Foreword

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

The present document may refer to technical specifications or reports using their 3GPP identities, UMTS identities or GSM identities. These should be interpreted as being references to the corresponding ETSI deliverables.

The cross reference between GSM, UMTS, 3GPP and ETSI identities can be found under http://webapp.etsi.org/key/queryform.asp.

Contents

| Intellectual Pr | operty Rights | 2 |
|-----------------|---|-----|
| Foreword | | 2 |
| Foreword | | 10 |
| Scope. | | 11 |
| 2 Referer | ices | 12 |
| 3 Definiti | ons and abbreviations | 13 |
| 3.1 Mob | ile station definition and configurations | 13 |
| 3.2 Appl | licability | 14 |
| 3.2.1 | Applicability of the present document | 14 |
| | Applicability of the individual tests | |
| | Applicability to terminal equipment | |
| | Definitions | |
| 3.2.4.1 | Format of the table of optional features | |
| 3.2.4.2 | Format of the applicability table | |
| 3.2.4.3 | Status and notations | |
| | e of optional features | |
| | licability table | |
| | ventions for mathematical notations | |
| 3.5.1 N | Mathematical signs | 97 |
| 4 Test eq | uipment | 97 |
| 5 Testing | methodology in general | 97 |
| | ing of optional functions and procedures | |
| 5.2 Test | interfaces and facilities | 97 |
| 5.3 Info | mation to be provided by the apparatus supplier | 97 |
| 6 Implici | t testing | 98 |
| 7 Measur | ement uncertainty | 98 |
| 8 Format | of tests | 98 |
| 9 Generio | call set up procedures | 101 |
| | ed | |
| | of the UICC/ME interface | |
| | | |
| | oid | |
| | General Test purpose | |
| | Definition of default values for USIM Application Toolkit testing | |
| | Definition of default values for LTE related USIM Application Toolkit testing | |
| 27.22.2B.1 | Definition of E-UTRAN/EPC UICC | |
| 27.22.2B.2 | Definition of E-UTRAN parameters | |
| | nition of E-UTRAN/EPC ISIM-UICC | |
| 27.22.2C.1 | Applications on the E-UTRAN/EPC ISIM-UICC | |
| 27.22.2C.2 | Default USIM values of E-UTRAN/EPC ISIM-UICC | |
| 27.22.2C.3 | Default ISIM values of E-UTRAN/EPC ISIM-UICC | |
| 27.22.2C.3.1 | EF _{AD} (Administrative Data) | |
| 27.22.2C.3.2 | EF _{IST} (ISIM Service Table) | |
| 27.22.2C.3.3 | EF _{IMPI} (IMS private user identity) | 108 |
| 27.22.2C.3.4 | EF _{DOMAIN} (Home Network Domain Name) | |
| 27.22.2C.3.5 | EF _{IMPU} (IMS public user identity) | |
| 27.22.2C.3.6 | EF _{P-CSCF} (P-CSCF ADDRESS) | |
| 27.22.2C.3.7 | EF _{SMS} (Short Message Service) | |
| 27.22.2C.3.8 | EF _{SMSR} (Short message status reports) | 110 |

| 27.22.2C.3.9 | EF _{SMSP} (Short message service parameters) | 110 |
|---------------|---|-------|
| 27.22.2C.3.10 | BINDS (| |
| 27.22.2C.4 | Default values at DF_TELECOM | |
| 27.22.2C.4.1 | EF _{PSISMSC} (Public Service Identity of the SM-SC) | 111 |
| 27.22.1 | Initialization of USIM Application Toolkit Enabled UICC by USIM Application Toolkit Ena | abled |
| | ME (Profile Download) | 111 |
| 27.22.1.1 | Definition and applicability | 111 |
| 27.22.1.2 | Conformance requirement | |
| 27.22.1.3 | Test purpose | |
| 27.22.1.4 | Method of test | |
| 27.22.1.4.1 | Initial conditions | |
| 27.22.1.4.2 | Procedure | |
| 27.22.1.5 | Test requirement | |
| 27.22.2 | Contents of the TERMINAL PROFILE command | |
| 27.22.2.1 | Definition and applicability | |
| 27.22.2.2 | Conformance requirement | |
| 27.22.2.3 | Test purpose | |
| 27.22.2.4 | Method of test | |
| 27.22.2.4.1 | Initial conditions | |
| 27.22.1.4.2 | Procedure | |
| 27.22.2.5 | Test requirement | |
| 27.22.3 | Servicing of proactive UICC commands | |
| 27.22.3.1 | Definition and applicability | |
| 27.22.3.2 | Conformance requirement | |
| 27.22.3.3 | Test purpose | |
| 27.22.3.4 | Method of test | |
| 27.22.3.4.1 | Initial conditions | |
| 27.22.3.4.2 | Procedure | |
| 27.22.3.5 | Test requirement | |
| 27.22.4 | Proactive UICC commands | |
| 27.22.4.1 | DISPLAY TEXT | |
| 27.22.4.1.1 | DISPLAY TEXT (Normal) | |
| 27.22.4.1.2 | DISPLAY TEXT (Support of "No response from user") | |
| 27.22.4.1.3 | DISPLAY TEXT (Display of extension text) | |
| 27.22.4.1.4 | DISPLAY TEXT (Sustained text) | |
| 27.22.4.1.5 | DISPLAY TEXT (Display of icons) | |
| 27.22.4.1.6 | DISPLAY TEXT (UCS2 display in Cyrillic) | |
| 27.22.4.1.7 | DISPLAY TEXT (Variable Time out) | |
| 27.22.4.1.8 | DISPLAY TEXT (Support of Text Attribute) | |
| 27.22.4.1.9 | DISPLAY TEXT (UCS2 display in Chinese) | |
| 27.22.4.1.10 | DISPLAY TEXT (UCS2 display in Katakana) | |
| 27.22.4.2 | GET INKEY | |
| 27.22.4.2.1 | GET INKEY(normal) | |
| 27.22.4.2.2 | GET INKEY (No response from User) | |
| 27.22.4.2.3 | GET INKEY (UCS2 display in Cyrillic) | |
| 27.22.4.2.4 | GET INKEY (UCS2 entry in Cyrillic) | |
| 27.22.4.2.5 | GET INKEY ("Yes/No" Response) | |
| 27.22.4.2.6 | GET INKEY (display of Icon) | |
| 27.22.4.2.7 | GET INKEY (Help Information) | |
| 27.22.4.2.8 | GET INKEY (Variable Time out) | |
| 27.22.4.2.9 | GET INKEY (Variable Time out) | |
| 27.22.4.2.10 | GET INKEY (UCS2 display in Chinese) | |
| 27.22.4.2.10 | GET INKEY (UCS2 entry in Chinese) | |
| 27.22.4.2.11 | GET INKEY (UCS2 display in Katakana) | |
| 27.22.4.2.12 | GET INKEY (UCS2 display in Katakana) | |
| 27.22.4.2.13 | GET INPUTGET INPUT | |
| 27.22.4.3 | GET INPUT (normal) | |
| 27.22.4.3.1 | GET INPUT (normar) | |
| 27.22.4.3.2 | GET INPUT (No lesponse from User) | |
| 27.22.4.3.4 | GET INPUT (UCS2 display in Cyrillic) | |
| 27.22.4.3.4 | GET INPUT (default text) | |
| 27.22.4.3.5 | GET INPUT (default text) | |
| 41.44.4.3.0 | OLI IN UI (UISPIAY UI ICUII) | |

| 27.22.4.3.7 | GET INPUT (Help Information) | |
|------------------------------|---|-----|
| 27.22.4.3.8 | GET INPUT (Support of Text Attribute) | |
| 27.22.4.3.9 | GET INPUT (UCS2 display in Chinese) | |
| 27.22.4.3.10 | GET INPUT (UCS2 entry in Chinese) | |
| 27.22.4.3.11 | GET INPUT (UCS2 display in Katakana) | |
| 27.22.4.3.12 | GET INPUT (UCS2 entry in Katakana) | |
| 27.22.4.4 | MORE TIME | |
| 27.22.4.4.2 | Conformance requirement | |
| 27.22.4.4.3 | Test purpose | |
| 27.22.4.4.4 | Method of test | |
| 27.22.4.4.5 | Test requirement | |
| 27.22.4.5 | PLAY TONE (N) | |
| 27.22.4.5.1 | PLAY TONE (Normal) | |
| 27.22.4.5.2 | PLAY TONE (UCS2 display in Cyrillic) | |
| 27.22.4.5.3 | PLAY TONE (display of Icon) | |
| 27.22.4.5.4 | | |
| 27.22.4.5.5 27.22.4.5.6 | PLAY TONE (UCS2 display in Chinese) | |
| 27.22.4.6 | POLL INTERVAL | |
| 27.22.4.6.1 | Definition and applicability | |
| 27.22.4.6.2 | Conformance requirement | |
| 27.22.4.6.3 | Test purpose | |
| 27.22.4.6.4 | Method of test | |
| 27.22.4.7 | REFRESH | |
| 27.22.4.7.1 | REFRESH (normal) | |
| 27.22.4.7.2 | REFRESH (IMSI changing procedure) | |
| 27.22.4.7.3 | REFRESH (Steering of roaming) | |
| 27.22.4.7.4 | REFRESH (AID) | |
| 27.22.4.8 | SET UP MENU and ENVELOPE MENU SELECTION | |
| 27.22.4.8.1 | SET UP MENU (normal) and ENVELOPE MENU SELECTION | |
| 27.22.4.8.2 | SET UP MENU (help request support) and ENVELOPE MENU SELECTION | |
| 27.22.4.8.3 | SET UP MENU (next action support) and ENVELOPE MENU SELECTION | |
| 27.22.4.8.4 | SET UP MENU (display of icons) and ENVELOPE MENU SELECTION | |
| 27.22.4.8.5 | SET UP MENU (soft keys support) and ENVELOPE MENU SELECTION | |
| 27.22.4.8.6 | SET UP MENU (support of Text Attribute) and ENVELOPE MENU SELECTION | 213 |
| 27.22.4.8.7 | SET UP MENU (UCS2 display in Cyrillic) and ENVELOPE MENU SELECTION | 221 |
| 27.22.4.8.8 | SET UP MENU (UCS2 display in Chinese) and ENVELOPE MENU SELECTION | |
| 27.22.4.8.9 | SET UP MENU (UCS2 display in Katakana) and ENVELOPE MENU SELECTION | 223 |
| 27.22.4.9 | SELECT ITEM | 224 |
| 27.22.4.9.1 | SELECT ITEM (mandatory features for ME supporting SELECT ITEM) | |
| 27.22.4.9.2 | SELECT ITEM (next action support) | 225 |
| 27.22.4.9.3 | SELECT ITEM (default item support) | |
| 27.22.4.9.4 | SELECT ITEM (help request support) | |
| 27.22.4.9.5 | SELECT ITEM (icons support) | |
| 27.22.4.9.6 | SELECT ITEM (presentation style) | |
| 27.22.4.9.7 | SELECT ITEM (soft keys support) | |
| 27.22.4.9.8 | SELECT ITEM (Support of "No response from user") | |
| 27.22.4.9.9 | SELECT ITEM (Support of Text Attribute) | |
| 27.22.4.9.10 | SELECT ITEM (UCS2 display in Cyrillic) | |
| 27.22.4.9.11 | SELECT ITEM (UCS2 display in Chinese) | |
| 27.22.4.9.12 | SELECT ITEM (UCS2 display in Katakana) | |
| 27.22.4.10 | SEND SHORT MESSAGE | |
| 27.22.4.10.1 | SEND SHORT MESSAGE (NGS2 diameter in Comillia) | |
| 27.22.4.10.2 | SEND SHORT MESSAGE (UCS2 display in Cyrillic) | |
| 27.22.4.10.3 | SEND SHORT MESSAGE (icon support) | |
| 27.22.4.10.4 | SEND SHORT MESSAGE (UCS2 display in Chinage) | |
| 27.22.4.10.5 | SEND SHORT MESSAGE (UCS2 display in Chinese) | |
| 27.22.4.10.6 27.22.4.10.7 | SEND SHORT MESSAGE (UCS2 display in Katakana) | |
| 27.22.4.10.7 | SEND SSSEND SS | |
| 27.22.4.11 | SEND SS (normal) | |
| 27.22.4.11.1 | SEND SS (normal) SEND SS (Icon support) | |
| <i>~1.4</i> | оы ты оо (100n вирроп) | |

| 27.22.4.11.3 | SEND SS (UCS2 display in Cyrillic) | |
|------------------------------|---|-----|
| 27.22.4.11.4 | SEND SS (support of Text Attribute) | 327 |
| 27.22.4.11.5 | SEND SS (UCS2 display in Chinese) | 361 |
| 27.22.4.11.6 | SEND SS (UCS2 display in Katakana) | 363 |
| 27.22.4.12 | SEND USSD | 365 |
| 27.22.4.12.1 | SEND USSD (normal) | 365 |
| 27.22.4.12.2 | SEND USSD (Icon support) | 375 |
| 27.22.4.12.3 | SEND USSD (UCS2 display in Cyrillic) | 381 |
| 27.22.4.12.4 | SEND USSD (support of Text Attribute) | |
| 27.22.4.12.5 | SEND USSD (UCS2 display in Chinese) | |
| 27.22.4.12.6 | SEND USSD (UCS2 display in Katakana) | |
| 27.22.4.13 | SET UP CALL. | |
| 27.22.4.13.1 | SET UP CALL (normal) | |
| 27.22.4.13.2 | SET UP CALL (second alpha identifier) | |
| 27.22.4.13.3 | SET UP CALL (display of icons) | |
| 27.22.4.13.4 | SET UP CALL (support of Text Attribute) | |
| 27.22.4.13.5 | SET UP CALL (UCS2 Display in <i>Cyrillic</i>) | |
| 27.22.4.13.6 | SET UP CALL (UCS2 Display in Chinese) | |
| 27.22.4.13.7 | SET UP CALL (UCS2 Display in Katakana) | |
| 27.22.4.14 | POLLING OFF | |
| 27.22.4.14.1 | Definition and applicability | |
| 27.22.4.14.2 | Conformance requirement | |
| 27.22.4.14.3 | Test purpose | |
| 27.22.4.14.4 | Method of test. | |
| 27.22.4.14.5 | Test requirement | |
| 27.22.4.15 | PROVIDE LOCAL INFORMATION | |
| 27.22.4.15.1 | Definition and applicability | |
| 27.22.4.15.2 | Conformance requirement | |
| 27.22.4.15.3 | Test purpose | |
| 27.22.4.15.4 | Method of tests | |
| 27.22.4.15.5 | Test requirement. | |
| 27.22.4.16 | SET UP EVENT LIST | |
| 27.22.4.16.1 | SET UP EVENT LIST (normal) | |
| 27.22.4.17 | PERFORM CARD APDU | |
| 27.22.4.17.1 | PERFORM CARD APDU (normal) | |
| 27.22.4.17.1 | PERFORM CARD APDU (detachable card reader) | |
| 27.22.4.18 | POWER OFF CARD | |
| 27.22.4.18.1 | POWER OFF CARD (normal) | |
| 27.22.4.18.2 | POWER OFF CARD (detachable card reader) | |
| 27.22.4.19 | POWER ON CARD. | |
| 27.22.4.19.1 | POWER ON CARD (normal) | |
| 27.22.4.19.2 | POWER ON CARD (detachable card reader) | |
| 27.22.4.19.2 | GET READER STATUS | |
| 27.22.4.20.1 | GET READER STATUS (normal) | |
| 27.22.4.20.1 | GET CARD READER STATUS (detachable card reader) | |
| 27.22.4.20.2 | TIMER MANAGEMENT and ENVELOPE TIMER EXPIRATION | |
| 27.22.4.21.1 | TIMER MANAGEMENT (normal) | |
| 27.22.4.21.1 | ENVELOPE TIMER EXPIRATION (normal) | |
| 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 | SET UP IDLE MODE TEXT (Itomial) | |
| 27.22.4.22.2 | SET UP IDLE MODE TEXT (ICOI support) | |
| 27.22.4.22.3 | SET UP IDLE MODE TEXT (UCS2 support) | |
| 27.22.4.22.4 | SET UP IDLE MODE TEXT (Support of Text Attribute) | |
| 27.22.4.22.5 | SET UP IDLE MODE TEXT (UCS2 display in Katakana) | |
| 27.22.4.22.6 | RUN AT COMMAND | |
| | RUN AT COMMAND (normal) | |
| 27.22.4.23.1 27.22.4.23.2 | | |
| 27.22.4.23.2 | RUN AT COMMAND (support of Taxt Attribute) | |
| | RUN AT COMMAND (UC\$2 display in Cyrillic) | |
| 27.22.4.23.4 | RUN AT COMMAND (UCS2 display in Cyrillic) | |
| 27.22.4.23.5 27.22.4.23.6 | RUN AT COMMAND (UCS2 display in Chinese) | |
| 41.44.43.0 | RUN AT COMMAND (UCS2 display in Katakana) | |

| 27.22.4.24 | SEND DTMF | 589 |
|----------------------|---|-----|
| 27.22.4.24.1 | SEND DTMF (Normal) | |
| 27.22.4.24.2 | SEND DTMF (Display of icons) | |
| 27.22.4.24.3 | SEND DTMF (UCS2 display in Cyrillic) | |
| 27.22.4.24.4 | SEND DTMF (support of Text Attribute) | |
| 27.22.4.24.5 | SEND DTMF (UCS2 Display in Chinese) | |
| 27.22.4.24.6 | SEND DTMF (UCS2 Display in Katakana) | |
| 27.22.4.25 | LANGUAGE NOTIFICATION | |
| 27.22.4.25.1 | Definition and applicability | |
| 27.22.4.25.2 | Conformance Requirement | |
| 27.22.4.25.3 | Test purpose | |
| 27.22.4.25.3 | Method of Test | |
| 27.22.4.25.4 | | |
| | Test requirement | |
| 27.22.4.26 | LAUNCH BROWSER | |
| 27.22.4.26.1 | LAUNCH BROWSER (No session already launched) | |
| 27.22.4.26.2 | LAUNCH BROWSER (Interaction with current session) | |
| 27.22.4.26.3 | LAUNCH BROWSER (UCS2 display in Cyrillic) | |
| 27.22.4.26.4 | LAUNCH BROWSER (icons support) | |
| 27.22.4.26.5 | LAUNCH BROWSER (support of Text Attribute) | |
| 27.22.4.26.6 | LAUNCH BROWSER (UCS2 Display in Chinese) | |
| 27.22.4.26.7 | LAUNCH BROWSER (UCS2 Display in Katakana) | |
| 27.22.4.27 | OPEN CHANNEL | |
| 27.22.4.27.1 | Void | |
| 27.22.4.27.2 | Open Channel (related to GPRS) | |
| 27.22.4.27.3 | Open Channel (default bearer) | |
| 27.22.4.27.4 | Open Channel (Local Bearer) | |
| 27.22.4.27.5 | Open Channel (GPRS, support of Text Attribute) | |
| 27.22.4.27.6 | Open Channel (related to E-UTRAN) | |
| 27.22.4.28 | CLOSE CHANNEL | 786 |
| 27.22.4.28.1 | CLOSE CHANNEL(normal) | 786 |
| 27.22.4.28.2 | CLOSE CHANNEL (support of Text Attribute) | 792 |
| 27.22.4.28.3 | CLOSE CHANNEL(E-UTRAN/EPC) | |
| 27.22.4.29 | RECEIVE DATA | |
| 27.22.4.29.1 | RECEIVE DATA (NORMAL) | |
| 27.22.4.29.1.5 | · · · · · · · · · · · · · · · · · · · | |
| 27.22.4.29.2 | RECEIVE DATA (support of Text Attribute) | |
| 27.22.4.30 | SEND DATA | |
| 27.22.4.30.1 | SEND DATA (normal) | |
| 27.22.4.30.2 | SEND DATA (support of Text Attribute) | |
| 27.22.4.30.3 | SEND DATA (E-UTRAN) | |
| 27.22.4.31 | GET CHANNEL STATUS | |
| 27.22.4.31.1 | Definition and applicability | |
| 27.22.4.31.1 | Conformance requirements | |
| 27.22.4.31.3 | Test purpose | |
| 27.22.4.31.3 | * * | |
| 27.22.4.31.4 | Method of test | |
| | * | |
| 27.22.5 27.22.5.1 | Data Download to UICC | |
| | SMS-PP Data Download | |
| 27.22.5.1.1 | Definition and applicability | |
| 27.22.5.1.2 | Conformance requirement | |
| 27.22.5.1.3 | Test purpose | |
| 27.22.5.1.4 | Method of Test | |
| 27.22.5.1.5 | Test requirement | |
| 27.22.5.2 | Cell Broadcast Data Download | |
| 27.22.5.2.1 | Definition and applicability | |
| 27.22.5.2.2 | Conformance requirement | |
| 27.22.5.2.3 | Test purpose | |
| 27.22.5.2.4 | Method of Test | |
| 27.22.5.2.5 | Test requirement | |
| 27.22.5.3 | SMS-PP Data Download over IMS | |
| 27.22.5.3.1 | Definition and applicability | 963 |
| 27 22 5 3 2 | Conformance requirement | 964 |

| 27.22.5.3.3 | Test purpose | |
|--------------|--|------|
| 27.22.5.3.4 | Method of Test | |
| 27.22.5.3.5 | Test requirement | |
| 27.22.6 | CALL CONTROL BY USIM | 973 |
| 27.22.6.1 | Procedure for Mobile Originated calls | 973 |
| 27.22.6.1.1 | Definition and applicability | 973 |
| 27.22.6.1.2 | Conformance requirement | 973 |
| 27.22.6.1.3 | Test purpose | 973 |
| 27.22.6.1.4 | Method of tests | 974 |
| 27.22.6.1.5 | Test requirement | 994 |
| 27.22.6.2 | Procedure for Supplementary (SS) Services | |
| 27.22.6.2.1 | Definition and applicability | |
| 27.22.6.2.2 | Conformance requirement | |
| 27.22.6.2.3 | Test purpose | |
| 27.22.6.2.4 | Method of tests | |
| 27.22.6.2.5 | Test requirement | |
| 27.22.6.3 | Interaction with Fixed Dialling Number (FDN) | |
| 27.22.6.3.1 | Definition and applicability | |
| 27.22.6.3.2 | Conformance requirement | |
| 27.22.6.3.3 | Test purpose | |
| 27.22.6.3.4 | Method of tests | |
| 27.22.6.3.5 | Test requirement | |
| 27.22.6.4 | Support of Barred Dialling Number (BDN) service | |
| 27.22.6.4.1 | Definition and applicability | |
| 27.22.6.4.2 | Conformance requirement | |
| 27.22.6.4.3 | Test purpose | |
| 27.22.6.4.4 | Method of tests | |
| 27.22.6.4.5 | Test requirement | |
| 27.22.6.5 | Barred Dialling Number (BDN) service handling for terminals not supporting BDN | |
| 27.22.6.5.1 | Definition and applicability | |
| 27.22.6.5.1 | Conformance requirement | |
| 27.22.6.5.3 | Test purpose | |
| 27.22.6.5.4 | Method of tests | |
| 27.22.0.3.4 | EVENT DOWNLOAD. | |
| 27.22.7 | MT Call Event | |
| 27.22.7.1 | MT Call Event (normal) | |
| 27.22.7.1.1 | Call Connected Event | |
| 27.22.7.2 | | |
| 27.22.7.2.1 | Call Connected Event (MT and MO call) | |
| | Call Connected Event (ME supporting SET UP CALL) | 1025 |
| 27.22.7.3 | | |
| 27.22.7.3.1 | Call Disconnected Event | |
| 27.22.7.4 | Location Status Event | |
| 27.22.7.4.1 | Location Status Event (normal) | |
| 27.22.7.5 | User Activity Event | |
| 27.22.7.5.1 | User Activity Event (normal) | |
| 27.22.7.6 | Idle screen available event | |
| 27.22.7.6.1 | Idle Screen Available (normal) | |
| 27.22.7.7 | Card reader status event | |
| 27.22.7.7.1 | Card Reader Status (normal) | |
| 27.22.7.7.2 | Card Reader Status(detachable card reader) | |
| 27.22.7.8 | Language selection event | |
| 27.22.7.8.1 | Language selection event (normal) | |
| 27.22.7.9 | Browser termination event | |
| 27.22.7.9.1 | Browser termination (normal) | |
| 27.22.7.10 | Data available event | |
| 27.22.7.10.1 | Definition and applicability | |
| 27.22.7.10.2 | Conformance requirements | |
| 27.22.7.10.3 | Test purpose | |
| 27.22.7.10.4 | Method of test | |
| 27.22.7.11 | Channel Status event | |
| 27.22.7.11.1 | Definition and applicability | |
| 27.22.7.11.2 | Conformance requirements | 1047 |

| 27.22.7.11.3 | Test purpose | | |
|--------------|----------------------------|-------------------------------------|------|
| 27.22.7.11.4 | Method of | 1047 | |
| 27.22.7.12 | Access Tech | nology Change event | 1051 |
| 27.22.7.13 | Display para | 1053 | |
| 27.22.7.14 | Local Conne | ction event | 1053 |
| 27.22.7.15 | Network sea | 1053 | |
| 27.22.7.15.1 | Definitio | n and applicability | 1053 |
| 27.22.7.15.2 | Conform | ance requirements | 1053 |
| 27.22.7.11.3 | Test purp | oose | 1053 |
| 27.22.7.11.4 | | of test | |
| 27.22.7.16 | Browsing sta | atus event | 1055 |
| 27.22.7.17 | Network Rej | ection Event | 1055 |
| 27.22.7.18 | CSG Cell Se | lection event | 1058 |
| 27.22.7.18.1 | CSG Cel | l Selection (normal) | 1058 |
| 27.22.8 | MO SHORT MI | ESSAGE CONTROL BY USIM | 1063 |
| 27.22.8.1 | Definition ar | nd applicability | 1063 |
| 27.22.8.2 | Conformanc | e requirement | 1063 |
| 27.22.8.3 | Test purpose |) | 1063 |
| 27.22.8.4 | Method of te | ests | 1064 |
| 27.22.8.4.1 | Initial co | nditions | 1064 |
| 27.22.8.4.2 | Procedure | | 1064 |
| 27.22.8.5 | Test requirement | | |
| 27.22.9 | Handling of command number | | |
| 27.22.9.1 | Definition ar | nd applicability | 1072 |
| 27.22.9.2 | Conformanc | e requirement | 1072 |
| 27.22.9.3 | Test purpose | | 1072 |
| 27.22.9.4 | | ests | |
| 27.22.9.4.1 | Initial co | nditions | 1073 |
| 27.22.9.4.2 | Procedur | e | 1073 |
| 27.22.9.5 | Test requirer | ment | 1073 |
| Annex A (n | normative): | Details of Test-SIM (TestSIM) | 1074 |
| Annex B (n | ormative): | Details of terminal profile support | 1076 |
| Annex C (in | 1087 | | |
| History | | | 1091 |

Foreword

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

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

Version x.y.z

where:

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

1 Scope

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

The present document is valid for ME implemented according to 3GPP Release 99, or Release 4, or Release 5, or Release 6, or Release 7 or Release 8.

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

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

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

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

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

Within the context of this document, the term "terminal" used in ETSI TS 102 384 [26] refers to the Mobile Equipment (ME).

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

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

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

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

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

2 References

[20]

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

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

| [1] | 3GPP TR 21.905: "Vocabulary for 3GPP Specifications". |
|-------|---|
| [2] | 3GPP TS 22.001: "Principles of circuit telecommunication services supported by a Public Land Mobile Network (PLMN)". |
| [3] | 3GPP TS 22.003: "Circuit Teleservices supported by a Public Land Mobile Network (PLMN)". |
| [4] | 3GPP TS 22.004: "General on supplementary services". |
| [5] | ETSI TS 101 220: "ETSI numbering system for telecommunication application providers" |
| [6] | 3GPP TS 21.904: "UE capability requirements" |
| [7] | 3GPP TS 23.038: "Alphabets and language-specific information". |
| [8] | 3GPP TS 23.040: "Technical realization of the Short Message Service (SMS)". |
| [9] | 3GPP TS 23.041: "Technical realization of Cell Broadcast Service (CBS)". |
| [10] | 3GPP TS 24.008: "Mobile radio interface layer 3 specification; Core network protocols; Stage 3". |
| [11] | 3GPP TS 24.011: "Point-to-Point (PP) Short Message Service (SMS) Support on mobile radio interface". |
| [12] | 3GPP TS 34.108: "Common test environments for User Equipment (UE) conformance testing". |
| [13] | ETSI TS 102 221 v3.18.0: "UICC-Terminal interface; Physical and logical characteristics". |
| [14] | 3GPP TS 31.102: "Characteristics of the USIM application". |
| [15] | 3GPP TS 31.111: "USIM Application Toolkit (USAT)" |
| [16] | Void |
| [17a] | ISO/IEC 10646-1: "Information technology - Universal Multiple Octet Coded Character Set (UCS) - Part 1: Architecture and Basic Multilingual Plane". |
| [17b] | ISO/IEC 10646-2: "Information technology - Universal Multiple Octet Coded Character Set (UCS) - Part 2: Supplementary Planes". |
| [18] | 3GPP TS 27.007: "AT command set for 3G User Equipment (UE)". |
| [19] | ISO/IEC 9646-7 (1995): "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 7: Implementation Conformance Statements". |
| | |

conformance testing specifications; Standardization methodology".

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

| [21] | 3GPP TS 31.121: "UICC-terminal interface; USIM application test specification" |
|------|---|
| [22] | 3GPP TS 22.101: "Service Aspects; Service principles" |
| [23] | 3GPP TS 51.010-1: "Mobile Station (MS) conformance specification; Part 1: Conformance specification" |
| [24] | Void. |
| [25] | TIA/IS-820-A: "Removable User Identity Module (R-UIM) for TIA/EIA Spread Spectrum System". |
| [26] | ETSI TS 102 384: "Smart cards; UICC-Terminal interface; Card Application Toolkit (CAT) conformance specification". |
| [27] | 3GPP TS 34.123-3: "User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)". |
| [28] | 3GPP TS 31.115: "Secured packet structure for (U)SIM Toolkit applications". |
| [29] | 3GPP TS 23.122: "Non-Access Stratum functions related to Mobile Station (MS) in idle mode". |
| [30] | 3GPP TS 23.107: "Quality of Service (QoS) concept and architecture". |
| [31] | 3GPP TS 23.203: "Policy and charging control architecture". |
| [32] | 3GPP TS 24.301: "Technical Specification Group Core Network and Terminals; Non-Access-Stratum (NAS) protocol for Evolved Packet Systems (EPS): Stage 3". |
| [33] | 3GPP TS 36.508: "Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC); Common test environments for User Equipment (UE) conformance testing". |
| [34] | 3GPP TS 36.523-2 " Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC); User Equipment (UE) conformance specification; Part 2: Implementation Conformance Statement (ICS) proforma specification" |
| [35] | 3GPP TS 31.103: "Characteristics of the IP Multimedia Services Identity Module (ISIM) application". |
| [36] | 3GPP TS 34.229-1: "Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); User Equipment (UE) conformance specification; Part 1: Protocol conformance specification". |
| [37] | 3GPP TS 24.341: "Support of SMS over IP networks". |
| [38] | 3GPP TS 24.229: "IP multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3". |

3 Definitions and abbreviations

3.1 Mobile station definition and configurations

The mobile station definition and configurations specified in TS 34.108 [12] and TS 36.508 [33] shall apply, unless otherwise specified in the present clause.

3.2 Applicability

3.2.1 Applicability of the present document

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

3.2.2 Applicability of the individual tests

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

3.2.3 Applicability to terminal equipment

The applicability to terminal equipment specified in TS 34.108 [12] and TS 36.508 [33] shall apply, unless otherwise specified in the present clause.

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

See table B.1.

3.2.4 Definitions

For the purposes of the present document, the terms and definitions given in TS 34.108 [12] and TS 31.121 [21] apply.

3.2.4.1 Format of the table of optional features

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

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

Y or y supported by the implementation

N or n not supported by the implementation

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

status)

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

3.2.4.2 Format of the applicability table

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

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

- In the "Item" column a local entry number for the requirement in the table is given.
- In the "Description" column a short non-exhaustive description of the requirement is found.
- The "Release" column gives the Release applicable and onwards, for the item in the "Description" column
- The "Test Sequence(s)" column gives a reference to the test sequence number(s) detailed in the present document and required to validate the implementation of the corresponding item in the "Description" column.
- For a given Release, the corresponding "Rel X ME" column lists the tests required for a Mobile Station to be declared compliant to this Release.
- The "Support" column is blank in the proforma, and shall be completed by the manufacturer in respect of each particular requirement to indicate the choices, which have been made in the implementation.

- The "Network Dependency" column indicates if a test depends on specific network access technology or requires network connection, but the status may not have an impact on references to ETSI TS 102 384 [26].
- The "Terminal Profile" column gives a reference to the corresponding Terminal Profile bit(s) that is/are related to the toolkit feature(s) of the respective test(s).
- The "Additional test case execution parameter" column shall be used in conjunction with the entry in the "Rel-xx ME" column. The column indicates if the test is affected by additional test case execution parameters.

3.2.4.3 Status and notations

M

Ci

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

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

mandatory - the capability is required to be supported. \cap 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.

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

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

TCEPi Test Case Execution Parameter -defines additional parameters which have to be taken into account when executing affected test case(s). "i" is an integer identifying an unique parameter which is defined immediately following the table.

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

R(x)redundant – the test has to be considered as redundant when the corresponding E-UTRAN/EPC related test "x" of the present document has been validated and successfully executed. In that case the requirement may be verified by means of the E-UTRAN/EPC functionality only.

AERi Additional test case Execution Recommendation - with respect to the above listed definitions of ("A") and ("R") the test is applicable ("A") or redundant ("R") depending on the support of other optional or conditional items. "i" is an integer identifying a unique conditional status expression which is defined immediately following the table. For nested conditional expressions, the syntax "IF ... THEN (IF ... THEN ... ELSE...) ELSE ..." shall be used to avoid ambiguities.

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

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

3.3 Table of optional features

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

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

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

Table A.1: Options

| Item | Option | Status | Support | Mnemonic |
|------|--|--------|---------|--------------|
| 1 | Capability Configuration parameter | М | | O_Cap_Conf |
| 2 | Sustained text | C002 | | O_sust_text |
| 3 | UCS2 coding scheme for Entry | 0 | | O_Ucs2_Entry |
| 4 | Extended Text String | C002 | | O_Ext_Str |
| 5 | Help information | 0 | | O_Help |
| 6 | Icons | 0 | | O_lcons |
| 7 | Class A: Dual Slot | 0 | | O_Dual_Slot |
| 8 | Detachable reader | 0 | | O_Detach_Rdr |
| 9 | Class B: RUN AT | 0 | | O_Run_At |
| 10 | Class C: LAUNCH BROWSER | 0 | | O_LB |
| 11 | Class D: Soft keys | 0 | | O_Soft_key |
| 12 | Class E: B.I.P related to CSD | 0 | | O_BIP_CSD |
| 13 | Screen sizing parameters | 0 | | O_Scr_Siz |
| 14 | Screen Resizing | 0 | | O_Scr_Resiz |
| 15 | UCS2 coding scheme for Display | 0 | | O_Ucs2_Disp |
| 16 | Mobile supporting GPRS | 0 | | O_GPRS |
| 17 | Mobile supporting UDP | 0 | | O_UDP |
| 18 | Mobile supporting TCP | 0 | | O_TCP |
| 19 | Redial in Set Up Call | 0 | | O_Redial |
| 20 | Mobile decision to respond with "No response from user" in finite time | 0 | | O_D_NoResp |
| 21 | Class E: B.I.P related to GPRS | 0 | | O_BIP_GPRS |
| 22 | Mobile supporting Called Party Subaddress | 0 | | O_CP_Subaddr |
| 23 | Immediate response | 0 | | O_Imm_Resp |
| 24 | Variable Timeout | 0 | | O_Duration |
| 25 | void | | | |
| 26 | Class F: B.I.P related to local bearer | 0 | | O_BIP_Local |
| 27 | BlueTooth Support | 0 | | O_BT |
| 28 | IrDA Support | 0 | | O_IrDA |
| 29 | RS232 Support | 0 | | O_R\$232 |
| 30 | USB Support | 0 | | O_USB |
| 31 | WML Browser Support | 0 | | O_WML |

| 32 | XHTML Browser Support | 0 | O_XHTML |
|----|---|---|---|
| 33 | HTML Browser Support | 0 | O_HTML |
| 34 | CHTML Browser Support | 0 | O_CHTML |
| 35 | Class G: Battery Data | 0 | O_Batt |
| 36 | Class H: Multimedia Call Support | 0 | O_Xmedia_Call |
| 37 | Class I: Frame support | 0 | O_Frames |
| 38 | Class J: Multimedia Messaging Support | 0 | O_MMS |
| 39 | ME requesting for user confirmation before sending the Envelope Call Control command | 0 | O_UC_Before_EnvCC |
| 40 | ME requesting for user confirmation after sending the Envelope Call Control command | 0 | O_UC_After_EnvCC |
| 41 | UCS2 in Cyrillic | 0 | O_UCS2_Cyrillic |
| 42 | UCS2 in Chinese | 0 | O_UCS2_Chinese |
| 43 | UCS2 in Katakana | 0 | O_UCS2_Katakana |
| 44 | Mobile supporting Barred Dialling Numbers | 0 | O_BDN |
| 45 | Mobile supporting Fixed dialling numbers | 0 | O_FDN |
| 46 | Mobile supporting "+CIMI" in combination with Run AT Command | 0 | O_+CIMI |
| 47 | Mobile supporting "+CGMI" in combination with Run AT Command | 0 | O_+CGMI |
| 48 | Mobile supporting Open Channel (GPRS) not containing a Network Access Name TLV when no default Access Point Name is set in the terminal configuration | 0 | O_Open_Channel_GPRS_without_Default APN |
| 49 | Preferred buffer size supported by the terminal for Open Channel command is greater than 0 byte and less than 65535 bytes | 0 | O_BUFFER_SIZE |
| 50 | Text attributes – Alignment left | 0 | O_TAT_AL |
| 51 | Text attributes – Alignment center | 0 | O_TAT_AC |
| 52 | Text attributes – Alignment right | 0 | O_TAT_AR |
| 53 | Text attributes – Font size normal | 0 | O_TAT_FSN |
| 54 | Text attributes – Font size large | 0 | O_TAT_FSL |
| 55 | Text attributes – Font size small | 0 | O_TAT_FSS |
| 56 | Text attributes – Style normal | 0 | O_TAT_SN |
| 57 | Text attributes – Style bold | 0 | O_TAT_SB |
| 58 | Text attributes – Style italic | 0 | O_TAT_SI |

| 59 | Text attributes – Style underlined | 0 | O_TAT_SU |
|----|--|---|------------|
| 60 | Text attributes – Style strikethrough | 0 | O_TAT_SS |
| 61 | Text attributes – Style text foreground colour | 0 | O_TAT_STFC |
| 62 | Text attributes – Style text background colour | 0 | O_TAT_STFB |
| 63 | Terminal supports Long ForwardToNumber | 0 | O_longFTN |

| 64 | Mobile supporting GERAN | 0 | O_GERAN |
|----|---|------|--|
| 65 | Support of global phonebook | C001 | O_Global_PB |
| 66 | HSDPA Support | 0 | O_HSDPA |
| 67 | UTRAN PS with extended | 0 | O_UTRAN_PS_Ext_Param |
| | parameters Support | | |
| 68 | Terminal executes User confirmation phase before sending PDP context activation request | 0 | O_User_Confirm_Before_PDP_Context_R equest |
| 69 | ME supports Call Hold Supplementary Service | 0 | O_Serv_SS_HOLD |
| 70 | Class E: B.I.P. related to I-WLAN | 0 | O I-WLAN |
| 71 | Class K: Terminal Applications support | 0 | O_Terminal_Applications |
| 72 | Class E: Terminal supports TCP, UICC in Server Mode | 0 | O_TCP_UICC_ServerMode |
| 73 | Class E: Terminal supports TCP, Terminal in Server Mode | 0 | O_TCP_Terminal_ServerMode |
| 74 | Class E: Terminal supports UDP, UICC in Server Mode | 0 | O_UDP_Terminal_ServerMode |
| 75 | Void | | |
| 76 | Void | | |
| 77 | Void | | |
| 78 | Terminal supports at least one supplementary service. | 0 | O_AddInfo_SS |
| 79 | Terminal supports "Call Forwarding Unconditional" | 0 | O_ Serv_SS_CFU |
| 80 | Terminal supports "Calling Line Identification Restriction" | 0 | O_Serv_SS_CLIR |
| 81 | Class N:Terminal supports "Geographical location discovery" | 0 | O_Geo_Location_Discovery |
| 82 | Terminal supports melody and theme tones | 0 | O_M_T_Tones |
| 83 | Terminal supports Toolkit-initiated GBA | 0 | O_Toolkit_GBA |
| 84 | Terminal supports display capability | C002 | O_ No_Type_ND |
| 85 | Terminal supports keypad | C002 | O_No_Type_NK |
| 86 | Terminal supports audio alerting | C002 | O_No_Type_NA |
| 87 | Terminal supports speech call | C002 | O_No_Type_NS |
| 88 | Terminal supports multiple | C002 | O_No_Type_NL |
| 89 | languages Class P:USSD Data Download and application mode | 0 | O_USSD_Data_DL |
| 90 | Terminal displays icons as defined in record 1 of EF(IMG) for Display Text command | 0 | O_Icon Rec1_Disp_Text |
| 91 | Terminal displays icons as defined in record 2 of EF(IMG) for Display Text command | 0 | O_Icon Rec2_Disp_Text |
| 92 | Terminal displays icons as defined in record 5 of EF(IMG) for Display Text command | 0 | O_Icon Rec5_Disp_Text |
| 93 | Terminal displays icons as defined in record 1 of EF(IMG) for Get Inkey command | 0 | O_lcon Rec1_Get_Inkey |
| 94 | Terminal displays icons as defined in record 2 of EF(IMG) for Get Inkey command | 0 | O_Icon Rec2_Get_Inkey |
| 95 | Terminal displays icons as defined in record 5 of EF(IMG) for Get Inkey command | 0 | O_Icon Rec5_Get_Inkey |
| 96 | Terminal displays icons as defined in record 1 of EF(IMG) for Get Input command | 0 | O_lcon Rec1_Get_Input |

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

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

| 147 | Class E and T: Event IMS Registration | 0 | O_Event_IMS_Registration | | | | | | | | | |
|------|---|----------|--------------------------|--|--|--|--|--|--|--|--|--|
| 148 | Class E and T: UICC Access to IMS support | 0 | O_UICC_ACCESS_IMS | | | | | | | | | |
| 149 | Terminal supports SMS Cell Broadcast Data Download | 0 | O_SMS-CB_Data_Download | | | | | | | | | |
| 150 | Terminal supports IMS | 0 | O_IMS | | | | | | | | | |
| C001 | If terminal is implemented according to | Rel-6 or | later then M, else O | | | | | | | | | |
| C002 | · · · · · · · · · · · · · · · · · · · | | | | | | | | | | | |
| C003 | C003 If terminal is implemented according to Rel-8 or later AND ((A.1/132 OR A.1/133) AND (NOT A.1/64) AND (NOT A.1/134)) THEN M ELSE N/A | | | | | | | | | | | |

3.4 Applicability table

Table B.1: Applicability of tests

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

| ı | Description | Re- | Test | Rel | Rel-4 | Rel-5 | Rel-6 | Rel-7 | Rel-8 | Rel-9 | Rel- | Terminal | Network | Sup- | Additional test case |
|-----|-----------------------------------|-------|-----------------|----------|-------|--------------|--------------|--------------|--------------|--------------|--------------|----------------------------|----------------|------|----------------------|
| | | lease | sequence (s) | 99 ME | ME | ME | ME | ME | ME | ME | 10 ME | Profile | Dependen cy | port | execution parameter |
| | sustained text | R99 | 4.3 | C177 | C177 | C177 | C177 | C177 | C177 | C177 | C177 | E.1/17 AND | No | | |
| | | | | AND | AND | AND | AND | AND | AND | AND | AND | E.1/65 AND | | | |
| | | | | C178 | C178 | C178 | C178 | C178 | C178 | C178 | C178 | E.1/110 AND | | | |
| | | | | | | | | | | | | E.1/111 | | | |
| | sustained text | R99 | 4.4 | C177 | C177 | C177 | C177 | C177 | C177 | C177 | C177 | E.1/17 | UMTS | | |
| | | | | AND | AND | AND | AND | AND | AND | AND | AND | AND E.1/65 | System | | |
| | | | | C180 | C180 | C180 | C180 | C180 | C180 | C180 | C180 | AND E.1/110 | Simulator | | |
| | | | | | | | | | AND C183 | AND C183 | AND C183 | | or System | | |
| | | | | | | | | | C183 | C183 | C183 | | Simulator only | | |
| f | Icons – basic icon | R99 | 5.1, 5.3 | C108 | C108 | C108 | C108 | C108 | C108 | C108 | C108 | E.1/17 AND | No | | |
| | | | , | AND | AND | AND | AND | AND | AND | AND | AND | E.1/110 | | | |
| | | | | C177 | C177 | C177 | C177 | C177 | C177 | C177 | C177 | | | | |
| Ī | Icons – colour icon | R99 | 5.2 | C171 | C171 | C171 | C171 | C171 | C171 | C171 | C171 | E.1/17 AND | No | | |
| | | | | AND | AND | AND | AND | AND | AND | AND | AND | E.1/110 | | | |
| | | | | C177 | C177 | C177 | C177 | C177 | C177 | C177 | C177 | | | | |
| | UCS2 display in Cyrillic | R99 | 6.1 | C118 | C118 | C118 | C118 | C118 | C118 | C118 | C118 | E.1/17 AND | No | | |
| | | | | AND | AND | AND | AND | AND | AND | AND | AND | E.1/15 AND | | | |
| ļ | | | | C177 | C177 | C177 | C177 | C177 | C177 | C177 | C177 | E.1/110 | | | |
| ľ | Variable Timeout | Rel-4 | 7.1 | | C126 | C126 | C126 | C126 | C126 | C126 | C126 | E.1/17 AND | No | | |
| | | | | | AND | AND | AND | AND | AND | AND | AND | E.1/137 AND | | | |
| | | | | | C177 | C177 | C177 | C177 | C177 | C177 | C177 | E.1/110 AND | | | |
| | | | | | AND | AND | AND | AND | AND | AND | AND | E.1/111 | | | |
| ŀ | Tout attribute left alignment | Dal C | 8.1 | + | C178 | C178 C153 | C178 C153 | C178 C153 | C178 C153 | C178 C153 | C178 C153 | E.1/17 AND | No | | |
| | Text attribute – left alignment | Rel-5 | 8.1 | | | AND | AND | AND | AND | AND | AND | E.1/17 AND E.1/124 AND | No | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/124 AND E.1/217 AND | | | |
| | | | | | | CITT | CITT | CITT | CITT | 0177 | CITT | E.1/110 | | | |
| ŀ | Text attribute – center alignment | Rel-5 | 8.2 | | | C154 | C154 | C154 | C154 | C154 | C154 | E.1/17 AND | No | | |
| | Tox duribute contor diigninone | 11010 | 0.2 | | | AND | AND | AND | AND | AND | AND | E.1/124 AND | "" | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/218 AND | | | |
| | | | | | | | | | | | | E.1/110 | | | |
| ŀ | Text attribute – right alignment | Rel-5 | 8.3 | 1 | | C155 | C155 | C155 | C155 | C155 | C155 | E.1/17 AND | No | İ | |
| | 3 3 4 | | | | | AND | AND | AND | AND | AND | AND | E.1/124 AND | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/219 AND | | | |
| | | | | | | | | | | | | E.1/110 | | | |
| ſ | Text attribute – large font size | Rel-5 | 8.4 | | | C157 | C157 | C157 | C157 | C157 | C157 | E.1/17 AND | No | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/124 AND | | | |
| | | | | | | C156 | C156 | C156 | C156 | C156 | C156 | E.1/221 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/220 AND | | | |
| - [| | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/110 | | | |

| Item | Description | Re- | Test | Rel | Rel-4 | Rel-5 | Rel-6 | Rel-7 | Rel-8 | Rel-9 | Rel- | Terminal | Network | Sup- | Additional test case |
|------|-----------------------------------|--------|----------|------|-------|-------------|-------------|-------------|-------------|-------------|-------------|----------------------------|----------|----------|----------------------|
| | | lease | sequence | 99 | ME | ME | ME | ME | ME | ME | 10 | Profile | Dependen | port | execution parameter |
| | | | (s) | ME | | | | | | | ME | | су | | |
| | Text attribute – small font size | Rel-5 | 8.5 | | | C158 | C158 | C158 | C158 | C158 | C158 | E.1/17 AND | No | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/124 AND | | | |
| | | | | | | C156 | C156 | C156 | C156 | C156 | C156 | E.1/222 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/220 AND | | | |
| | T | D 1 = | | - | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/110 | | | |
| | Text attribute – bold on | Rel-5 | 8.6 | | | C160 | C160 | C160 | C160 | C160 | C160 | E.1/17 AND | No | | |
| | | | | | | AND C159 | AND C159 | AND C159 | AND | AND C159 | AND | E.1/124 AND | | | |
| | | | | | | AND | | AND | C159 AND | AND | C159 AND | E.1/225 AND | | | |
| | | | | | | | AND | C177 | | | | E.1/226 AND | | | |
| | Total established the line on | D-1-5 | 0.7 | | | C177 | C177 | | C177 | C177 | C177 | E.1/110 E.1/17 AND | NI- | | |
| | Text attribute – italic on | Rel-5 | 8.7 | | | C161 | C161 AND | C161 AND | C161 AND | C161 AND | C161 AND | E.1/17 AND E.1/124 AND | No | | |
| | | | | | | AND C159 | C159 | C159 | C159 | C159 | C159 | E.1/124 AND E.1/225 AND | | | |
| | | | | | | | | AND | AND | AND | AND | E.1/225 AND E.1/227 AND | | | |
| | | | | | | AND C177 | AND C177 | C177 | C177 | C177 | C177 | E.1/227 AND E.1/110 | | | |
| | Text attribute – underlined on | Rel-5 | 8.8 | - | | C162 | C177 | C177 | C162 | C177 | C177 | E.1/17 AND | No | | |
| | rext attribute – underlined on | Rei-5 | 0.0 | | | AND | AND | AND | AND | AND | AND | E.1/17 AND E.1/124 AND | INO | | |
| | | | | | | C159 | C159 | C159 | C159 | C159 | C159 | E.1/124 AND E.1/225 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/228 AND | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/226 AND E.1/110 | | | |
| | Text attribute – strikethrough on | Rel-5 | 8.9 | | | C163 | C163 | C163 | C163 | C163 | C163 | E.1/17 AND | No | | |
| | Text attribute – Strikethrough on | Kei-5 | 0.9 | | | AND | AND | AND | AND | AND | AND | E.1/17 AND E.1/124 AND | INO | | |
| | | | | | | C159 | C159 | C159 | C159 | C159 | C159 | E.1/225 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/229 AND | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/110 | | | |
| | Text attribute – foreground and | Rel-5 | 8.10 | | | C164 | C164 | C164 | C164 | C164 | C164 | E.1/17 AND | No | | |
| | background colours | 1101-0 | 0.10 | | | AND | AND | AND | AND | AND | AND | E.1/124 AND | 140 | | |
| | background colours | | | | | C165 | C165 | C165 | C165 | C165 | C165 | E.1/230 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/231 AND | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/110 | | | |
| | UCS2 display in Chinese | R99 | 9.1 | | | C143 | C143 | C143 | C143 | C143 | C143 | E.1/17 AND | No | | |
| | alopidy in oriniood | 1.00 | 0 | | | AND | AND | AND | AND | AND | AND | E.1/15 AND | 110 | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/110 | | | |
| | UCS2 display in Katakana | R99 | 10.1 | | | C145 | C145 | C145 | C145 | C145 | C145 | E.1/17 AND | No | | |
| | | 1 | | | | AND | AND | AND | AND | AND | AND | E.1/15 AND | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/110 | | | |
| | Frames | Rel-6 | TBD | 1 | | | İ | | | 1 | | E.1/17 AND | TBD | İ | |
| | | | | | | | | | | | | E.1/177 AND | | | |
| | | | | | | | | | | | | E.1/178 AND | | | |
| | | | | | | | | | | | | E.1/110 | | | |
| 5 | GET INKEY 27.22.4.2 | | | | | | | | | | | | | | |
| | prompt unpacked | R99 | 1.1 | C177 | C177 | C177 | C177 | C177 | C177 | C177 | C177 | E.1/18 AND | No | | |
| | | | | AND | AND | AND | AND | AND | AND | AND | AND | E.1/110 AND | | | |
| | | | | C178 | C178 | C178 | C178 | C178 | C178 | C178 | C178 | E.1/111 | | <u> </u> | |

| | Description | Re- lease | Test sequence (s) | Rel 99 ME | Rel-4 ME | Rel-5 ME | Rel-6 ME | Rel-7 ME | Rel-8 ME | Rel-9 ME | Rel- 10 ME | Terminal Profile | Network Dependen cy | Sup- port | Additional test case execution parameter |
|---|----------------------------------|--------------|-------------------------|-----------------|-------------|-------------|-------------|-------------|-------------|-------------|------------------|---------------------------|---------------------------|--------------|--|
| r | prompt packed | R99 | 1.2 | C177 | C177 | C177 | C177 | C177 | C177 | C177 | C177 | E.1/18 AND | No | | |
| ľ | | | | AND | AND | AND | AND | AND | AND | AND | AND | E.1/110 AND | | | |
| | | | | | C178 | E.1/111 | | | |
| E | Backwards move in UICC session | R99 | 1.3 | C177 | C177 | C177 | C177 | C177 | C177 | C177 | C177 | E.1/18 AND | No | | |
| | | | | AND | AND | AND | AND | AND | AND | AND | AND | E.1/110 AND | | | |
| L | | | | | C178 | E.1/111 | | | |
| 1 | Session terminated by user | R99 | 1.4 | C177 | C177 | C177 | C177 | C177 | C177 | C177 | C177 | E.1/18 AND | No | | |
| | | | | AND | AND | AND | AND | AND | AND | AND | AND | E.1/110 AND | | | |
| Ļ | CMC alababat | DOO | 4.5 | | C178 | E.1/111 E.1/18 AND | NI- | | |
| 1 | SMS alphabet | R99 | 1.5 | C177 AND | C177 AND | C177 AND | C177 AND | AND | C177 AND | C177 AND | C177 AND | | No | | |
| | | | | | C178 | E.1/110 AND E.1/111 | | | |
| h | Long text up to 160 bytes | R99 | 1.6 | C177 | C176 | C178 | C178 | C178 | C178 | C178 | C178 | E.1/111 E.1/18 AND | No | | |
| ľ | Long text up to 160 bytes | R99 | 1.0 | AND | AND | AND | AND | AND | AND | AND | AND | E.1/110 AND | INO | | |
| | | | | C178 | C178 | C178 | C178 | C178 | C178 | C178 | C178 | E.1/111 | | | |
| - | no response from user | R99 | 2.1 | C120 | C120 | C120 | C170 | C170 | C120 | C120 | C170 | E.1/18 AND | No | | |
| ľ | no response nom user | 1133 | 2.1 | AND | AND | AND | AND | AND | AND | AND | AND | E.1/10 AND | INO | | |
| | | | | C177 | C177 | C177 | C177 | C177 | C177 | C177 | C177 | E.1/111 | | | |
| | | | | AND | AND | AND | AND | AND | AND | AND | AND | | | | |
| | | | | | C178 | | | | |
| ί | UCS2 display in Cyrillic | R99 | 3.1 | C118 | C118 | C118 | C118 | C118 | C118 | C118 | C118 | E.1/18 AND | No | | |
| | | 1100 | | AND | AND | AND | AND | AND | AND | AND | AND | E.1/15 AND | | | |
| | | | | C177 | C177 | C177 | C177 | C177 | C177 | C177 | C177 | E.1/110 AND | | | |
| | | | | AND | AND | AND | AND | AND | AND | AND | AND | E.1/111 | | | |
| | | | | C178 | C178 | C178 | C178 | C178 | C178 | C178 | C178 | | | | |
| | UCS2 display, Long text up to 70 | R99 | 3.2 | C118 | C118 | C118 | C118 | C118 | C118 | C118 | C118 | E.1/18 AND | No | | |
| C | chars in Cyrillic | | | AND | AND | AND | AND | AND | AND | AND | AND | E.1/15 AND | | | |
| | | | | C177 | C177 | C177 | C177 | C177 | C177 | C177 | C177 | E.1/110 AND | | | |
| | | | | AND | AND | AND | AND | AND | AND | AND | AND | E.1/111 | | | |
| L | | | | | C178 | | | | |
| l | UCS2 entry in Cyrillic | R99 | 4.1 | C105 | C105 | C105 | C105 | C105 | C105 | C105 | C105 | E.1/18 AND | No | | |
| | | | | AND | AND | AND | AND | AND | AND | AND | AND | E.1/14 AND | | | |
| | | | | C177 | C177 | C177 | C177 | C177 | C177 | C177 | C177 | E.1/110 AND | | | |
| | | | | AND | AND | AND | AND | AND | AND | AND | AND | E.1/111 | | | |
| Ļ | IIX / AL II | Doo | 5 4 | | C178 | E 4/40 AND | | | |
| ľ | "Yes/No" response | R99 | 5.1 | C177 | C177 | C177 | C177 | C177 | C177 | C177 | C177 | E.1/18 AND | No | | |
| | | | | AND C178 | AND C178 | AND C178 | AND C178 | AND C178 | AND C178 | AND C178 | AND C178 | E.1/60 AND E.1/110 AND | | | |
| | | | | C178 | C178 | C178 | C178 | C178 | C178 | C178 | C178 | E.1/110 AND E.1/111 | | | |
| h | Icons – basic icon | R99 | 6.1, 6.2 | C108 | C108 | C108 | C108 | C108 | C108 | C108 | C108 | E.1/18 AND | No | | |
| ľ | TOTIS — DASIC ICOTI | 1133 | 0.1, 0.2 | AND | AND | AND | AND | AND | AND | AND | AND | E.1/10 AND | INO | | |
| | | | | C177 | C177 | C177 | C177 | C177 | C177 | C177 | C177 | E.1/111 | | | |
| | | | | AND | AND | AND | AND | AND | AND | AND | AND | | | | |
| | | | | | | C178 | C178 | C178 | C178 | C178 | C178 | | | | |

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

| | Description | Re- lease | Test sequence (s) | Rel 99 ME | Rel-4 ME | Rel-5 ME | Rel-6 ME | Rel-7 ME | Rel-8 ME | Rel-9 ME | Rel- 10 ME | Terminal Profile | Network Dependen cy | Sup- port | Additional test case execution parameter |
|---|----------------------------------|--------------|-------------------|-----------------|-------------|-------------|-------------|-------------|-------------|-------------|------------------|---------------------|---------------------------|--------------|--|
| Т | Fext attribute – bold on | Rel-5 | 9.6 | | | C160 | C160 | C160 | C160 | C160 | C160 | E.1/18 AND | No | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/124 | | | |
| | | | | | | C159 | C159 | C159 | C159 | C159 | C159 | E.1/221 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/220 AND | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/110 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/111 | | | |
| | | | | | | C178 | C178 | C178 | C178 | C178 | C178 | | | | |
| T | Text attribute – italic on | Rel-5 | 9.7 | | | C161 | C161 | C161 | C161 | C161 | C161 | E.1/18 AND | No | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/124 | | | |
| | | | | | | C159 | C159 | C159 | C159 | C159 | C159 | E.1/225 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/227 AND | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/110 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/111 | | | |
| | | | | | | C178 | C178 | C178 | C178 | C178 | C178 | | | | |
| T | ext attribute – underlined on | Rel-5 | 9.8 | | | C162 | C162 | C162 | C162 | C162 | C162 | E.1/18 AND | No | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/124 | | | |
| | | | | | | C159 | C159 | C159 | C159 | C159 | C159 | E.1/225 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/228 AND | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/110 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/111 | | | |
| | | | | | | C178 | C178 | C178 | C178 | C178 | C178 | | | | |
| T | Fext attribute – strikethough on | Rel-5 | 9.9 | | | C163 | C163 | C163 | C163 | C163 | C163 | E.1/18 AND | No | | |
| | 3 | | | | | AND | AND | AND | AND | AND | AND | E.1/124 | | | |
| | | | | | | C159 | C159 | C159 | C159 | C159 | C159 | E.1/225 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/229 AND | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/110 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/111 | | | |
| | | | | | | C178 | C178 | C178 | C178 | C178 | C178 | | | | |
| ī | ext attribute – foreground and | Rel-5 | 9.10 | | | C164 | C164 | C164 | C164 | C164 | C164 | E.1/18 AND | No | | |
| | packground colours | | | | | AND | AND | AND | AND | AND | AND | E.1/124 AND | | | |
| | • | | | | | C165 | C165 | C165 | C165 | C165 | C165 | E.1/230 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/231 AND | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/110 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/111 | | | |
| | | | | | | C178 | C178 | C178 | C178 | C178 | C178 | | | | |
| ι | JCS2 display in Chinese | R99 | 10.1 | | | C143 | C143 | C143 | C143 | C143 | C143 | E.1/18 AND | No | İ | |
| | 1 - 2 | | | | | AND | AND | AND | AND | AND | AND | E.1/15 AND | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/110 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/111 | | | |
| ĺ | | | | | | C178 | | C178 | C178 | C178 | C178 | | | | |

| Item | Description | Re- lease | Test sequence (s) | Rel 99 ME | Rel-4 ME | Rel-5 ME | Rel-6 ME | Rel-7 ME | Rel-8 ME | Rel-9 ME | Rel- 10 ME | Terminal Profile | Network Dependen cy | Sup- port | Additional test case execution parameter |
|------|--------------------------------|--------------|-------------------|-----------------|-------------|-------------|-------------|-------------|-------------|-------------|------------------|---------------------|---------------------------|--------------|--|
| | UCS2 display in Chinese, Long | R99 | 10.2 | | | C143 | C143 | C143 | C143 | C143 | C143 | E.1/18 AND | No | | |
| | text up to 70 chars | | | | | AND | AND | AND | AND | AND | AND | E.1/15 AND | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/110 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/111 | | | |
| | | | | | | C178 | C178 | C178 | C178 | C178 | C178 | | | | |
| | UCS2 entry in Chinese | R99 | 11.1 | | | C142 | C142 | C142 | C142 | C142 | C142 | E.1/18 AND | No | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/14 AND | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/110 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/111 | | | |
| | | | | | | C178 | C178 | C178 | C178 | C178 | C178 | | | | |
| | UCS2 display in Katakana | R99 | 12.1 | | | C145 | C145 | C145 | C145 | C145 | C145 | E.1/18 AND | No | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/15 AND | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/110 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/111 | | | |
| | | | | | | C178 | C178 | C178 | C178 | C178 | C178 | | | | |
| | UCS2 display in Katakana, Long | R99 | 12.2 | | | C145 | C145 | C145 | C145 | C145 | C145 | E.1/18 AND | No | | |
| | text up to 70 chars | | | | | AND | AND | AND | AND | AND | AND | E.1/15 AND | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/110 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/111 | | | |
| | | | | | | C178 | C178 | C178 | C178 | C178 | C178 | | | | |
| | UCS2 entry in Katakana | R99 | 13.1 | | | C144 | C144 | C144 | C144 | C144 | C144 | E.1/18 AND | No | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/14 AND | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/110 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/111 | | | |
| | | | | | | C178 | C178 | C178 | C178 | C178 | C178 | | | | |
| | Frames | Rel-6 | TBD | | | | | | | | | E.1/18 AND | TBD | | |
| | | | | | | | | | | | | E.1/177 AND | | | |
| | | | | | | | | | | | | E.1/178 AND | | | |
| | | | | | | | | | | | | E.1/110 AND | | | |
| | | | | | | | | | | | | E.1/111 | | | |
| 6 | GET INPUT 27.22.4.3 | | | | | | | | | | | | | | |
| | input unpacked | R99 | 1.1 | C177 | C177 | C177 | C177 | C177 | C177 | C177 | C177 | E.1/19 AND | No | | |
| | | | | AND | AND | AND | AND | AND | AND | AND | AND | E.1/110 AND | | | |
| | | | | | | C178 | C178 | C178 | C178 | C178 | C178 | E.1/111 | | | |
| | input packed | R99 | 1.2 | | C177 | E.1/19 AND | No | | |
| | | | | AND | AND | AND | AND | AND | AND | AND | AND | E.1/110 AND | | | |
| | | | | C178 | C178 | C178 | C178 | C178 | C178 | C178 | C178 | E.1/111 | | | |
| | digits only | R99 | 1.1 | | C177 | E.1/19 AND | No | | |
| | | | | AND | AND | AND | AND | AND | AND | AND | AND | E.1/110 AND | | | |
| | | | | | | C178 | C178 | C178 | C178 | C178 | C178 | E.1/111 | | <u> </u> | |
| | SMS alphabet | R99 | 1.3 | C177 | C177 | C177 | C177 | C177 | C177 | C177 | C177 | E.1/19 AND | No | | |
| | | | | AND | AND | AND | AND | AND | AND | AND | AND | E.1/110 AND | | | |
| | | | | C178 | C178 | C178 | C178 | C178 | C178 | C178 | C178 | E.1/111 | | | |

| | Description | Re- | Test | Rel | Rel-4 | Rel-5 | Rel-6 | Rel-7 | Rel-8 | Rel-9 | Rel- | Terminal | Network | Sup- | Additional test case |
|----|----------------------------------|-------|----------|-------------|-------------|-------------|-------------|--------------|-------------|--------------|-------------|---------------------------|----------|------|----------------------|
| | - | lease | sequence | 99 | ME | ME | ME | ME | ME | ME | 10 | Profile | Dependen | port | execution parameter |
| | | | (s) | ME | | | | | | | ME | | су | | |
| ł | nidden input | R99 | 1.4 | C177 | C177 | C177 | C177 | C177 | C177 | C177 | C177 | E.1/19 AND | No | | |
| | | | | AND | AND | AND | AND | AND | AND | AND | AND | E.1/110 AND | | | |
| | | | | | C178 | C178 | C178 | C178 | C178 | C178 | C178 | E.1/111 | | | |
| r | min / max acceptable length | R99 | 1.5, 1.9 | C177 | C177 | C177 | C177 | C177 | C177 | C177 | C177 | E.1/19 AND | No | | |
| | | | | AND | AND | AND | AND | AND | AND | AND | AND | E.1/110 AND | | | |
| | | | | | C178 | C178 | C178 | C178 | C178 | C178 | C178 | E.1/111 | | | |
| E | Backwards move in UICC session | R99 | 1.6 | C177 | C177 | C177 | C177 | C177 | C177 | C177 | C177 | E.1/19 AND | No | | |
| | | | | AND | AND | AND | AND | AND | AND | AND | AND | E.1/110 AND | | | |
| L | | | | C178 | C178 | C178 | C178 | C178 | C178 | C178 | C178 | E.1/111 | | | |
| 3 | Session terminated by user | R99 | 1.7 | C177 | C177 | C177 | C177 | C177 | C177 | C177 | C177 | E.1/19 AND | No | | |
| | | | | AND | AND | AND | AND | AND | AND | AND | AND | E.1/110 AND | | | |
| L | | | | C178 | C178 | C178 | C178 | C178 | C178 | C178 | C178 | E.1/111 | | | |
| ŀ | Prompt text up to 160 bytes | R99 | 1.8 | C177 | C177 | C177 | C177 | C177 | C177 | C177 | C177 | E.1/19 AND | No | | |
| | | | | AND | AND | AND | AND | AND | AND | AND | AND | E.1/110 AND | | | |
| L | | | | C178 | C178 | C178 | C178 | C178 | C178 | C178 | C178 | E.1/111 | | | |
| 3 | SMS default alphabet, ME to echo | R99 | 1.9 | C177 | C177 | C177 | C177 | C177 | C177 | C177 | C177 | E.1/19 AND | No | | |
| t | ext, packing not required | | | AND | AND | AND | AND | AND | AND | AND | AND | E.1/110 AND | | | |
| _ | | | | | | C178 | C178 | C178 | C178 | C178 | C178 | E.1/111 | | | |
| I | Null length for the text string | R99 | 1.10 | C177 | C177 | C177 | C177 | C177 | C177 | C177 | C177 | E.1/19 AND | No | | |
| | | | | AND | AND | AND | AND | AND | AND | AND | AND | E.1/110 AND | | | |
| L | | | | | C178 | C178 | C178 | C178 | C178 | C178 | C178 | E.1/111 | | | |
| r | no response from user | R99 | 2.1 | C120 | C120 | C120 | C120 | C120 | C120 | C120 | C120 | E.1/19 AND | No | | |
| | | | | AND | AND | AND | AND | AND | AND | AND | AND | E.1/110 AND | | | |
| | | | | C177 | C177 | C177 | C177 | C177 | C177 | C177 | C177 | E.1/111 | | | |
| | | | | AND C178 | AND | AND C178 | AND | AND | AND | AND | AND | | | | |
| H | ICCO display in Comillia | DOO | 24.22 | | C178 | | C178 | C178 C118 | C178 | C178 C118 | C178 | E 4/40 AND | No | | |
| | JCS2 display in Cyrillic | R99 | 3.1, 3.2 | C118 | C118 AND | C118 AND | C118 AND | | C118 AND | AND | C118 AND | E.1/19 AND | INO | | |
| | | | | AND C177 | | C177 | | AND C177 | C177 | C177 | C177 | E.1/15 AND E.1/110 AND | | | |
| | | | | AND | C177 AND | AND | C177 AND | AND | AND | AND | AND | E.1/110 AND E.1/111 | | | |
| | | | | C178 | C178 | C178 | C178 | C178 | C178 | C178 | C178 | E. 1/ 1 1 1 | | | |
| h | JCS2 entry in Cyrillic | R99 | 4.1, 4.2 | C105 | C105 | C105 | C105 | C105 | C105 | C105 | C105 | E.1/19 AND | No | | |
| ľ | DC32 entry in Cyrillic | Kaa | 4.1, 4.2 | AND | AND | AND | AND | AND | AND | AND | AND | E.1/14 AND | INO | | |
| | | | | C177 | C177 | C177 | C177 | C177 | C177 | C177 | C177 | E.1/110 AND | | | |
| | | | | AND | AND | AND | AND | AND | AND | AND | AND | E.1/111 | | | |
| | | | | C178 | C178 | C178 | C178 | C178 | C178 | C178 | C178 | L.1/111 | | | |
| , | default text for the input | R99 | 5.1, 5.2 | C177 | C177 | C177 | C177 | C177 | C177 | C177 | C177 | E.1/19 AND | No | | |
| ľ | adiatit toxt for the input | 1100 | 0.1, 0.2 | AND | AND | AND | AND | AND | AND | AND | AND | E.1/110 AND | 140 | | |
| | | | | C178 | C178 | C178 | C178 | C178 | C178 | C178 | C178 | E.1/111 | | | |
| li | cons – basic icon | R99 | 6.1, 6.2 | C108 | C108 | C108 | C108 | C108 | C108 | C108 | C108 | E.1/19 AND | No | | |
| ľ | 20.10 20010 10011 | 1100 | 0.1, 0.2 | AND | AND | AND | AND | AND | AND | AND | AND | E.1/110 AND | 140 | | |
| | | | | C177 | C177 | C177 | C177 | C177 | C177 | C177 | C177 | E.1/111 | | | |
| | | | | AND | AND | AND | AND | AND | AND | AND | AND | | | | |
| | | 1 | 1 | , ,, ,, | , , , | , ,, ,, | , | C178 | C178 | C178 | , | 1 | 1 | 1 | |

| Descri | intion | Re- | Test | Rel | Rel-4 | Rel-5 | Rel-6 | Rel-7 | Rel-8 | Rel-9 | Rel- | Terminal | Network | Sup- | Additional test case |
|----------------------|----------------|-------|----------|------|-------|---------|-------|-----------|-------|-----------|-----------|-------------|--|------|--|
| | | lease | sequence | 99 | ME | ME | ME | ME | ME | ME | 10 | Profile | Dependen | port | execution parameter |
| | | | (s) | ME | | | | | | | ME | | су | | P • • • • • • • • • • • • • • • • • • • |
| Icons - colour icor | n | R99 | 6.3, 6.4 | C171 | C171 | C171 | C171 | C171 | C171 | C171 | C171 | E.1/19 AND | No | | |
| | | | | AND | AND | AND | AND | AND | AND | AND | AND | E.1/110 AND | | | |
| | | | | C177 | C177 | C177 | C177 | C177 | C177 | C177 | C177 | E.1/111 | | | |
| | | | | AND | AND | AND | AND | AND | AND | AND | AND | | | | |
| | | | | | C178 | C178 | C178 | C178 | C178 | C178 | C178 | | | | |
| help information | | R99 | 7.1 | C107 | C107 | C107 | C107 | C107 | C107 | C107 | C107 | E.1/19 AND | No | | |
| | | | | AND | AND | AND | AND | AND | AND | AND | AND | E.1/110 AND | | | |
| | | | | C177 | C177 | C177 | C177 | C177 | C177 | C177 | C177 | E.1/111 | | | |
| | | | | AND | AND | AND | AND | AND | AND | AND | AND | | | | |
| | | | | C178 | C178 | C178 | C178 | C178 | C178 | C178 | C178 | | | | |
| Text attribute- left | alignment | Rel-5 | 8.1 | | | C153 | C153 | C153 | C153 | C153 | C153 | E.1/19 AND | No | | |
| | · · | | | | | AND | AND | AND | AND | AND | AND | E.1/124 AND | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/217 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/110 AND | | | |
| | | | | | | C178 | C178 | C178 | C178 | C178 | C178 | E.1/111 | | | |
| Text attribute - ce | nter alignment | Rel-5 | 8.2 | | | C154 | C154 | C154 | C154 | C154 | C154 | E.1/19 AND | No | | |
| | J | | | | | AND | AND | AND | AND | AND | AND | E.1/124 AND | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/218 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/110 AND | | | |
| | | | | | | C178 | C178 | C178 | C178 | C178 | C178 | E.1/111 | | | |
| Text attribute - rig | ht alignment | Rel-5 | 8.3 | | | C155 | C155 | C155 | C155 | C155 | C155 | E.1/19 AND | No | | |
| | , 3 | | | | | AND | AND | AND | AND | AND | AND | E.1/124 AND | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/219 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/110 AND | | | |
| | | | | | | C178 | C178 | C178 | C178 | C178 | C178 | E.1/111 | | | |
| Text attribute - lar | rae font size | Rel-5 | 8.4 | | | C157 | C157 | C157 | C157 | C157 | C157 | E.1/19 AND | No | | |
| | J | | | | | AND | AND | AND | AND | AND | AND | E.1/124 AND | | | |
| | | | | | | C156 | C156 | C156 | C156 | C156 | C156 | E.1/221 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/220 AND | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/110 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/111 | | | |
| | | | | | | C178 | C178 | C178 | C178 | C178 | C178 | , | | | |
| Text attribute – sm | nall font size | Rel-5 | 8.5 | | | C158 | C158 | C158 | C158 | C158 | C158 | E.1/19 AND | No | | |
| | | 1.3.5 | | | | AND | AND | AND | AND | AND | AND | E.1/124 AND | | | |
| | | | | | | C156 | C156 | C156 | C156 | C156 | C156 | E.1/222 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/220 AND | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/110 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/111 | | | |
| | | | 1 | 1 | • | , ,, ,, | 1 | 1 / 11 10 | 1 | 1 / 11 10 | 1 , 11 10 | I | The state of the s | 1 | 1 |

| | Description | Re- lease | Test sequence (s) | Rel 99 ME | Rel-4 ME | Rel-5 ME | Rel-6 ME | Rel-7 ME | Rel-8 ME | Rel-9 ME | Rel- 10 ME | Terminal Profile | Network Dependen cy | Sup- port | Additional test case execution parameter |
|---|----------------------------------|--------------|-------------------|-----------------|-------------|-------------|-------------|-------------|-------------|-------------|------------------|---------------------|---------------------------|--------------|--|
| T | ext attribute – bold on | Rel-5 | 8.6 | | | C160 | C160 | C160 | C160 | C160 | C160 | E.1/19 AND | No | | |
| ' | on annous bold on | 110.0 | 0.0 | | | AND | AND | AND | AND | AND | AND | E.1/124 AND | 110 | | |
| | | | | | | C159 | C159 | C159 | C159 | C159 | C159 | E.1/225 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/226 AND | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/110 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/111 | | | |
| | | | | | | C178 | C178 | C178 | C178 | C178 | C178 | | | | |
| T | ext attribute – italic on | Rel-5 | 8.7 | | | C161 | C161 | C161 | C161 | C161 | C161 | E.1/19 AND | No | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/124 AND | | | |
| | | | | | | C159 | C159 | C159 | C159 | C159 | C159 | E.1/225 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/227 AND | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/110 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/111 | | | |
| | | | | | | C178 | C178 | C178 | C178 | C178 | C178 | | | | |
| T | ext attribute – underlined on | Rel-5 | 8.8 | | | C162 | C162 | C162 | C162 | C162 | C162 | E.1/19 AND | No | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/124 AND | | | |
| | | | | | | C159 | C159 | C159 | C159 | C159 | C159 | E.1/225 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/228 AND | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/110 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/111 | | | |
| | | | | | | C178 | C178 | C178 | C178 | C178 | C178 | | | | |
| T | ext attribute – strikethrough on | Rel-5 | 8.9 | | | C163 | C163 | C163 | C163 | C163 | C163 | E.1/19 AND | No | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/124 AND | | | |
| | | | | | | C159 | C159 | C159 | C159 | C159 | C159 | E.1/225 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/229 AND | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/110 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/111 | | | |
| | | | | | | C178 | C178 | C178 | C178 | C178 | C178 | | | | |
| T | ext attribute – foreground and | Rel-5 | 8.10 | | | C164 | C164 | C164 | C164 | C164 | C164 | E.1/19 AND | Νo | | |
| | ackground colours | | | | | AND | AND | AND | AND | AND | AND | E.1/124 AND | | | |
| | | | | | | C165 | C165 | C165 | C165 | C165 | C165 | E.1/230 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/231 AND | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/110 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/111 | | | |
| | | | | | | C178 | C178 | C178 | C178 | C178 | C178 | | | | |
| U | CS2 display in Chinese | R99 | 9.1, 9.2 | | | C143 | C143 | C143 | C143 | C143 | C143 | E.1/19 AND | No | | |
| | , ., | | , , , , , | | | AND | AND | AND | AND | AND | AND | E.1/15 AND | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/110 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/111 | | | |
| | | | | | | C178 | | C178 | C178 | C178 | C178 | 1 | | | |

| Item | Description | Re- lease | Test sequence (s) | Rel 99 ME | Rel-4 ME | Rel-5 ME | Rel-6 ME | Rel-7 ME | Rel-8 ME | Rel-9 ME | Rel- 10 ME | Terminal Profile | Network Dependen cy | Sup- port | Additional test case execution parameter |
|------|--|--------------|-------------------|-----------------|-------------|-------------|-------------|-------------|-------------|-------------|------------------|---------------------|---------------------------|--------------|--|
| | UCS2 entry in Chinese | R99 | 10.1, 10.2 | | | C142 | C142 | C142 | C142 | C142 | C142 | E.1/19 AND | No | | |
| | , | | , | | | AND | AND | AND | AND | AND | AND | E.1/14 AND | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/110 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/111 | | | |
| | | | | | | C178 | C178 | C178 | C178 | C178 | C178 | | | | |
| | UCS2 display in Katakana | R99 | 11.1, 11.2 | | | C145 | C145 | C145 | C145 | C145 | C145 | E.1/19 AND | No | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/15 AND | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/110 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/111 | | | |
| | | | | | | C178 | C178 | C178 | C178 | C178 | C178 | | | | |
| | UCS2 entry in Katakana | R99 | 12.1, 12.2 | | | C144 | C144 | C144 | C144 | C144 | C144 | E.1/19 AND | No | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/14 AND | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/110 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/111 | | | |
| | | | | | | C178 | C178 | C178 | C178 | C178 | C178 | | | | |
| | Frames | Rel-6 | TBD | | | | | | | | | E.1/19 AND | TBD | | |
| | | | | | | | | | | | | E.1/177 AND | | | |
| | | | | | | | | | | | | E.1/178 AND | | | |
| | | | | | | | | | | | | E.1/110 AND | | | |
| | | | | | | | | | | | | E.1/111 | | | |
| 7 | MORE TIME 27.22.4.4 | R99 | 1.1 | М | М | М | М | M | М | M | M | E.1/20 | No | | |
| 8 | PLAY TONE 27.22.4.5 | | | | | | | | | | | | | | |
| | play all tones, display alpha, user | R99 | 1.1 | C178 | C178 | C178 | C178 | C178 | C178 | C178 | C178 | E.1/21 AND | UMTS | | TCEP001 |
| | termination, superimpose | | | AND | AND | AND | AND | AND | AND | AND | AND | E.1/110 AND | System | | |
| | | | | C179 | C179 | C179 | C179 | C179 | C179 | C179 | C179 | E.1/111 | Simulator | | |
| | | | | AND | AND | AND | AND | AND | AND | AND | AND | | or System | | |
| | | | | C180 | C180 | C180 | C180 | C180 | C180 | C180 | C180 | | Simulator | | |
| | | | | | | | | | AND | AND | AND | | only | | |
| | 11000 1: 1 : 0 :11: | Doo | 0.4 | 0440 | 0440 | 0440 | 0440 | 0440 | C183 | C183 | C183 | E 4/04 AND | | | TOFFOOA |
| | UCS2 display in Cyrillic | R99 | 2.1 | | C118 | E.1/21 AND | No | | TCEP001 |
| | | | | AND | AND | AND | AND | AND | AND | AND | AND | E.1/15 AND | | | |
| | I I i - i | Doo | 0.4.0.0 | | C179 | E.1/110 | NI- | | TOF DO04 |
| | Icons – basic icon | R99 | 3.1, 3.2 | C108 | C108 | C108 | C108 | C108 | C108 | C108 | C108 | E.1/21 AND | No | | TCEP001 |
| | | | | AND | AND | AND | AND | AND | AND | AND | AND | E.1/110 | | | |
| | I a manage and a m | Doo | 0.0.0.4 | | C179 | E 4/04 AND | NI- | | TOE DO04 |
| | Icons – colour icon | R99 | 3.3, 3.4 | C171 | C171 | C171 | C171 | C171 | C171 | C171 | C171 | E.1/21 AND | No | | TCEP001 |
| | | 1 | | AND C179 | AND | AND | AND | AND | AND C179 | AND C179 | AND C179 | E.1/110 | | | |
| | Toyt ottribute left alleges and | Delf | 4.4 | C179 | C179 | C179 | C179 | C179 | | | | E 4/04 AND | N | 1 | TOE DOOA |
| | Text attribute – left alignment | Rel-5 | 4.1 | | | C153 | C153 | C153 | C153 | C153 | C153 | E.1/21 AND | No | | TCEP001 |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/124 AND | | | |
| | | | | | | C179 | C179 | C179 | C179 | C179 | C179 | E.1/217 AND | | | |
| | | | | | | | | | | | | E.1/110 | | | |

| | Description | Re- lease | Test sequence (s) | Rel 99 ME | Rel-4 ME | Rel-5 ME | Rel-6 ME | Rel-7 ME | Rel-8 ME | Rel-9 ME | Rel- 10 ME | Terminal Profile | Network Dependen cy | Sup- port | Additional test case execution parameter |
|---|-----------------------------------|--------------|-------------------|-----------------|-------------|-------------|-------------|-------------|-------------|-------------|------------------|---------------------|---------------------------|--------------|--|
| • | Text attribute – center alignment | Rel-5 | 4.2 | | | C154 | C154 | C154 | C154 | C154 | C154 | E.1/21 AND | No | | TCEP001 |
| | · · | | | | | AND | AND | AND | AND | AND | AND | E.1/124 AND | | | |
| | | | | | | C179 | C179 | C179 | C179 | C179 | C179 | E.1/218 AND | | | |
| L | | | | | | | | | | | | E.1/110 | | | |
| ľ | Text attribute – right alignment | Rel-5 | 4.3 | | | C155 | C155 | C155 | C155 | C155 | C155 | E.1/21 AND | No | | TCEP001 |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/124 AND | | | |
| | | | | | | C179 | C179 | C179 | C179 | C179 | C179 | E.1/219 AND | | | |
| L | | | | | | | | | | | | E.1/110 | | 1 | |
| ľ | Text attribute – large font size | Rel-5 | 4.4 | | | C157 | C157 | C157 | C157 | C157 | C157 | E.1/21 AND | No | | TCEP001 |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/124 AND | | | |
| | | | | | | C156 | C156 | C156 | C156 | C156 | C156 | E.1/221 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/220 AND | | | |
| L | | | | | | C179 | C179 | C179 | C179 | C179 | C179 | E.1/110 | | | |
| ľ | Text attribute – small font size | Rel-5 | 4.5 | | | C158 | C158 | C158 | C158 | C158 | C158 | E.1/21 AND | No | | TCEP001 |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/124 AND | | | |
| | | | | | | C156 | C156 | C156 | C156 | C156 | C156 | E.1/222 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/220 AND | | | |
| L | | | | | | C179 | C179 | C179 | C179 | C179 | C179 | E.1/110 | | | |
| ľ | Text attribute – bold on | Rel-5 | 4.6 | | | C160 | C160 | C160 | C160 | C160 | C160 | E.1/21 AND | No | | TCEP001 |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/124 AND | | | |
| | | | | | | C159 | C159 | C159 | C159 | C159 | C159 | E.1/225 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/226 AND | | | |
| | | | | | | C179 | C179 | C179 | C179 | C179 | C179 | E.1/110 | | | |
| ľ | Text attribute – italic on | Rel-5 | 4.7 | | | C161 | C161 | C161 | C161 | C161 | C161 | E.1/21 AND | No | | TCEP001 |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/124 AND | | | |
| | | | | | | C159 | C159 | C159 | C159 | C159 | C159 | E.1/225 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/227 AND | | | |
| L | | | | | | C179 | C179 | C179 | C179 | C179 | C179 | E.1/110 | | | |
| ľ | Text attribute – underlined on | Rel-5 | 4.8 | | | C162 | C162 | C162 | C162 | C162 | C162 | E.1/21 AND | No | | TCEP001 |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/124 AND | | | |
| | | | | | | C159 | C159 | C159 | C159 | C159 | C159 | E.1/225 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/228 AND | | | |
| L | | | | | | C179 | C179 | C179 | C179 | C179 | C179 | E.1/110 | | | |
| ľ | Text attribute – strikethrough on | Rel-5 | 4.9 | | | C163 | C163 | C163 | C163 | C163 | C163 | E.1/21 AND | No | | TCEP001 |
| | - | | | | | AND | AND | AND | AND | AND | AND | E.1/124 AND | | | |
| | | | | | | C159 | C159 | C159 | C159 | C159 | C159 | E.1/225 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/229 AND | | | |
| Ĺ | | | | | | C179 | C179 | C179 | C179 | C179 | C179 | E.1/110 | | | |
| | Text attribute- foreground and | Rel-5 | 4.10 | | | C164 | C164 | C164 | C164 | C164 | C164 | E.1/21 AND | No | | TCEP001 |
| | background colours | | | | | AND | AND | AND | AND | AND | AND | E.1/124 AND | | | |
| | | | | | | C165 | C165 | C165 | C165 | C165 | C165 | E.1/230 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/231 AND | | | |
| 1 | | | | | | C179 | C179 | C179 | C179 | C179 | C179 | E.1/110 | | | |

| Item | Description | Re- lease | Test sequence (s) | Rel 99 ME | Rel-4 ME | Rel-5 ME | Rel-6 ME | Rel-7 ME | Rel-8 ME | Rel-9 ME | Rel- 10 ME | Terminal Profile | Network Dependen cy | Sup- port | Additional test case execution parameter |
|------|---|--------------|-------------------------|---|---|---|---|---|--|--|--|---|---|--------------|--|
| | UCS2 display in Chinese | R99 | 5.1 | | | C143 AND C179 | C143 AND C179 | C143 AND C179 | C143 AND C179 | C143 AND C179 | C143 AND C179 | E.1/21 AND E.1/15 AND E.1/110 | No | | TCEP001 |
| | UCS2 display in Katakana | R99 | 6.1 | | | C145 AND C179 | C145 AND C179 | C145 AND C179 | C145 AND C179 | C145 AND C179 | C145 AND C179 | E.1/21 AND E.1/15 AND E.1/110 | No | | TCEP001 |
| | Frames | Rel-6 | TBD | | | | | | | | | E.1/21 AND E.1/177 AND E.1/178 AND E.1/110 | TBD | | |
| | Themed and Melody tones | Rel-6 | TBD | | | | | | | | | E.1/21 AND E.1/171 AND E.1/110 | C138 | | |
| 9 | POLL INTERVAL 27.22.4.6 | | | | | | | | | | | | | | |
| 4.0 | duration | R99 | 1.1 | М | M | М | M | M | M | М | M | E.1/22 | No | | |
| 10 | REFRESH 27.22.4.7 USIM initialization, enabling FDN | R99 | 1.1 | C146 | C146 | C146 | C146 | C146 | C146 | C146 | C146 | E.1/24 AND | UMTS | | |
| | mode | | | AND C177 AND C178 AND C180 | AND C177 AND C178 AND C180 | AND C177 AND C178 AND C180 | AND C177 AND C178 AND C180 | AND C177 AND C178 AND C180 | AND C177 AND C178 AND C180 AND C183 | AND C177 AND C178 AND C180 AND C183 | AND C177 AND C178 AND C180 AND C183 | E.1/110 AND E.1/111 | System Simulator or System Simulator only | | |
| | file change notification of FDN file | R99 | 1.2 | C146 AND C177 AND C178 AND C180 | AND C177 AND C178 AND C180 | C146 AND C177 AND C178 AND C180 | C146 AND C177 AND C178 AND C180 | C146 AND C177 AND C178 AND C180 | C146 AND C177 AND C178 AND C180 AND C183 | C146 AND C177 AND C178 AND C180 AND C183 | C146 AND C177 AND C178 AND C180 AND C183 | E.1/24 AND E.1/110 AND E.1/111 | UMTS System Simulator or System Simulator only | | |
| | USIM initialization and file change notification of ADN | R99 | 1.3 | C168 AND C177 AND C178 | C168 AND C177 AND C178 | C168 AND C177 AND C178 | C177 AND C178 | C177 AND C178 | C177 AND C178 | C177 AND C178 | C177 AND C178 | E.1/24 AND E.1/110 AND E.1/111 | No | | |

| 1 | Description | Re- | Test | Rel | Rel-4 ME | Rel-5 | Rel-6 | Rel-7 | Rel-8 | Rel-9 | Rel- | Terminal | Network | Sup- | Additional test case |
|---|--|-------|-----------------|-------------|-------------|-------------|-------|-------------|-----------|-------------|-------------|---------------------------|---------------------|------|----------------------|
| | | lease | sequence (s) | 99 ME | | ME | ME | ME | ME | ME | 10 ME | Profile | Dependen cy | port | execution paramete |
| | USIM initialization and full file | R99 | 1.4 | C146 | C146 | C146 | C146 | C146 | C146 | C146 | C146 | E.1/24 AND | UMTS | | |
| | change notification, enabling FDN | | | AND | AND | AND | AND | AND | AND | AND | AND | E.1/110 AND | System | | |
| | mode | | | C177 | C177 | C177 | C177 | C177 | C177 | C177 | C177 | E.1/111 | Simulator | | |
| | | | | AND | AND | AND | AND | AND | AND | AND | AND | | or System | | |
| | | | | C178 | C178 | C178 | C178 | C178 | C178 | C178 | C178 | | Simulator | | |
| | | | | AND | AND | AND | AND | AND | AND | AND | AND | | only | | |
| | | | | C180 | C180 | C180 | C180 | C180 | C180 | C180 | C180 | | | | |
| | | | | | | | | | AND | AND | AND | | | | |
| - | LUCC | DOO | 4.5 | | | | M | N 4 | C183 | C183 | C183 | E 4/04 | No | | |
| | UICC reset | R99 | 1.5 1.6 | C4.4C | C4.4C | C4.4C | C146 | M | M C146 | M | | E.1/24 E.1/24 AND | UMTS | | |
| | USIM Initialization after SMS-PP data download | R99 | 1.6 | C146 AND | C146 AND | C146 AND | AND | C146 AND | AND | C146 AND | C146 AND | E.1/24 AND E.1/110 AND | | | |
| | uata uowiiioau | | | | C177 | C177 | C177 | C177 | C177 | C177 | C177 | E.1/110 AND E.1/111 | System Simulator | | |
| | | | | AND | AND | AND | AND | AND | AND | AND | AND | □.1/111 | or System | | |
| | | | | C178 | C178 | C178 | C178 | C178 | C178 | C178 | C178 | | Simulator | | |
| | | | | AND | AND | AND | AND | AND | AND | AND | AND | | only | | |
| | | | | | C180 | C180 | C180 | C180 | C180 | C180 | C180 | | Offiny | | |
| | | | | 0100 | 0100 | 0100 | 0100 | 0100 | AND | AND | AND | | | | |
| | | | | | | | | | C183 | C183 | C183 | | | | |
| - | USIM Application Reset | R99 | 1.7 | | | | C146 | C146 | C146 | C146 | C146 | E1/24 AND | UMTS | | |
| | John Approaudin Hoods | | | | | | AND | AND | AND | AND | AND | E.1/110 AND | System | | |
| | | | | | | | C177 | C177 | C177 | C177 | C177 | E.1/111 | Simulator | | |
| | | | | | | | AND | AND | AND | AND | AND | | or System | | |
| | | | | | | | C178 | C178 | C178 | C178 | C178 | | Simulator | | |
| | | | | | | | AND | AND | AND | AND | AND | | only | | |
| | | | | | | | C180 | C180 | C180 | C180 | C180 | | _ | | |
| | | | | | | | | | AND | AND | AND | | | | |
| | | | | | | | | | C183 | C183 | C183 | | | | |
| | UICC Reset for IMSI Changing procedure | R99 | 2.1 | | | | | | | | | | TBD | | |
| | USIM Application Reset for IMSI Changing procedure | R99 | 2.2 | | | | М | М | М | М | М | E.1/24 | Yes | | |
| Ţ | 3G Session Reset for IMSI | R99 | 2.3 | | | | | | | | | | TBD | | |
| | Changing procedure | | | | | | | | | | | | | | |
| | reject 3G Session Reset for IMSI | R99 | 2.4 | | | | C177 | C177 | C177 | C177 | C177 | E 1/24 AND | UMTS | | |
| J | Changing procedure during call | | | | | | AND | AND | AND | AND | AND | E.1/110 AND | System | | |
| | | | | | | | C178 | C178 | C178 | C178 | C178 | E.1/111 | Simulator | | |
| | | | | | | | AND | AND | AND | AND | AND | | or System | | |
| | | | | | | | C180 | C180 | C180 | C180 | C180 | | Simulator | | |
| | | | | | | | | | AND | AND | AND | | only | | |
| | | 1 | | | | | 1 | | C183 | C183 | C183 | | | 1 | |

| Item | Description | Re- lease | Test sequence (s) | Rel 99 ME | Rel-4 ME | Rel-5 ME | Rel-6 ME | Rel-7 ME | Rel-8 ME | Rel-9 ME | Rel- 10 ME | Terminal Profile | Network Dependen cy | Sup- port | Additional test case execution parameter |
|------|---|--------------|-------------------|----------------------------|----------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|---|---|--------------|--|
| | Steering of roaming, UTRAN | Rel-7 | 3.1 | | | | | М | C184 | C184 | C184 | E.1/24 AND E.1/236 | UMTS System Simulator only | | |
| | Steering of roaming, InterRAT | Rel-7 | 3.2 | | | | | C167 | C167 AND C184 | C167 AND C184 | C167 AND C184 | E.1/24 AND E.1/236 | UMTS System Simulator and System Simulator | | |
| | Steering of roaming, E-UTRAN | Rel-8 | 3.3 | | | | | | C190 | C190 | C190 | E.1/24 AND AND E.1/135 AND E.1/236 | E-USS only | | |
| | Refresh with AID, E-UTRAN or UTRAN | Rel-8 | 4.1 | | | | | C202 | C202 OR C203 | C202 OR C203 | C202 OR C203 | E.1/24 | E-USS only or UMTS System Simulator | | |
| 11 | SET UP MENU 27.22.4.8 | | | | | | | | | | | | | | |
| | Set up, menu selection, replace and remove menu | R99 | 1.1 | | C177 AND C178 | C177 AND C178 | C177 AND C178 | C177 AND C178 | C177 AND C178 | C177 AND C178 | C177 AND C178 | E.1/30 AND E.1/4 AND E.1/110 AND E.1/111 | No | | |
| | Large menu | R99 | 1.2 | C177 AND C178 | C177 AND C178 | C177 AND C178 | C177 AND C178 | C177 AND C178 | C177 AND C178 | C177 AND C178 | C177 AND C178 | E.1/30 AND E.1/4 AND E.1/110 AND E.1/111 | No | | |
| | help information | R99 | 2.1 | AND C177 AND | AND C177 AND | C107 AND C177 AND C178 | C107 AND C177 AND C178 | C107 AND C177 AND C178 | C107 AND C177 AND C178 | C107 AND C177 AND C178 | C107 AND C177 AND C178 | E.1/30 AND E.1/4 AND E.1/110 AND E.1/111 | No | | |
| | next action indicator | R99 | 3.1 | C177 AND | C177 AND | C177 AND C178 | C177 AND C178 | C177 AND C178 | C177 AND C178 | C177 AND C178 | C177 AND C178 | E.1/30 AND E.1/110 AND E.1/111 | No | | |
| | Icons | R99 | 4.1, 4.2 | C172 AND C177 AND | C172 AND C177 AND | C172 AND C177 AND | | C172 AND C177 AND C178 | C172 AND C177 AND C178 | C172 AND C177 AND C178 | C172 AND C177 AND C178 | E.1/30 AND E.1/110 AND E.1/111 | No | | |

| | Description | Re- lease | Test sequence (s) | Rel 99 ME | Rel-4 ME | Rel-5 ME | Rel-6 ME | Rel-7 ME | Rel-8 ME | Rel-9 ME | Rel- 10 ME | Terminal Profile | Network Dependen cy | Sup- port | Additional test case execution parameter |
|----|-----------------------------------|--------------|-------------------|-----------------|-------------|-------------|-------------|-------------|-------------|-------------|------------------|---------------------|---------------------------|--------------|--|
| ۲, | soft key access | R99 | 5.1 | C112 | C112 | C112 | C112 | C112 | C112 | C112 | C112 | E.1/30 AND | No | | |
| ľ | Soft Rey decess | 1100 | 0.1 | AND | AND | AND | AND | AND | AND | AND | AND | E.1/74 AND | 110 | | |
| | | | | C177 | C177 | C177 | C177 | C177 | C177 | C177 | C177 | E.1/110 AND | | | |
| | | | | AND | AND | AND | AND | AND | AND | AND | AND | E.1/111 | | | |
| | | | | | C178 | , | | | |
| ŀ | Text attribute – left alignment | Rel-5 | 6.1 | 0 0 | 0 | C153 | C153 | C153 | C153 | C153 | C153 | E.1/30 AND | No | | |
| | . on annual and | | 0 | | | AND | AND | AND | AND | AND | AND | E.1/124 AND | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/217 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/110 AND | | | |
| | | | | | | C178 | C178 | C178 | C178 | C178 | C178 | E.1/111 | | | |
| ŀ | Text attribute – center alignment | Rel-5 | 6.2 | | | C154 | C154 | C154 | C154 | C154 | C154 | E.1/30 AND | No | | |
| | . on an out | | 0.2 | | | AND | AND | AND | AND | AND | AND | E.1/124 AND | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/218 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/110 AND | | | |
| | | | | | | C178 | C178 | C178 | C178 | C178 | C178 | E.1/111 | | | |
| ŀ | Text attribute – right alignment | Rel-5 | 6.3 | | | C155 | C155 | C155 | C155 | C155 | C155 | E.1/30 AND | No | | |
| | . on an action ingine angument | | 0.0 | | | AND | AND | AND | AND | AND | AND | E.1/124 AND | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/219 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/110 AND | | | |
| | | | | | | C178 | C178 | C178 | C178 | C178 | C178 | E.1/111 | | | |
| ŀ | Text attribute – large font size | Rel-5 | 6.4 | | | C157 | C157 | C157 | C157 | C157 | C157 | E.1/30 AND | No | | |
| | . on an out | | 0 | | | AND | AND | AND | AND | AND | AND | E.1/124 AND | | | |
| | | | | | | C156 | C156 | C156 | C156 | C156 | C156 | E.1/221 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/220 AND | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/110 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/111 | | | |
| | | | | | | C178 | C178 | C178 | C178 | C178 | C178 | | | | |
| ŀ | Text attribute – small font size | Rel-5 | 6.5 | | | C158 | C158 | C158 | C158 | C158 | C158 | E.1/30 AND | No | | |
| | | | 0.0 | | | AND | AND | AND | AND | AND | AND | E.1/124 AND | | | |
| | | | | | | C156 | C156 | C156 | C156 | C156 | C156 | E.1/222 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/220 AND | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/110 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/111 | | | |
| | | | | | | C178 | C178 | C178 | C178 | C178 | C178 | | | | |
| ŀ | Text attribute – bold on | Rel-5 | 6.6 | | | C160 | C160 | C160 | C160 | C160 | C160 | E.1/30 AND | No | 1 | |
| | | | 3.3 | | | AND | AND | AND | AND | AND | AND | E.1/124 AND | | | |
| l | | | | | | C159 | C159 | C159 | C159 | C159 | C159 | E.1/225 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/226 AND | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/110 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/111 | | | |
| | | | | | | C178 | | C178 | C178 | C178 | C178 | | | | |

| Item | Description | Re- | Test | Rel | Rel-4 | Rel-5 | Rel-6 | Rel-7 | Rel-8 | Rel-9 | Rel- | Terminal | Network | Sup- | Additional test case |
|------|-----------------------------------|-------|------------|----------|--|-------------|-------------|-------------|-------------|-------------|-------------|----------------------------|----------|------|----------------------|
| | | lease | sequence | 99 ME | ME | ME | ME | ME | ME | ME | 10 ME | Profile | Dependen | port | execution parameter |
| | Text attribute – italic on | Rel-5 | (s) 6.7 | IVIE | 1 | C161 | C1C1 | C161 | C161 | C161 | C161 | E.1/30 AND | Cy No | | |
| | rext attribute – Italic on | Rei-5 | 0.7 | | | AND | C161 AND | AND | AND | AND | AND | E.1/124 AND | INO | | |
| | | | | | | C159 | C159 | C159 | C159 | C159 | C159 | E.1/124 AND E.1/225 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/227 AND | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/110 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/111 | | | |
| | | | | | | C178 | C178 | C178 | C178 | C178 | C178 | | | | |
| | Text attribute – underlined on | Rel-5 | 6.8 | | | C162 | C162 | C162 | C162 | C162 | C162 | E.1/30 AND | No | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/124 AND | | | |
| | | | | | | C159 | C159 | C159 | C159 | C159 | C159 | E.1/225 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/228 AND | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/110 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/111 | | | |
| | | | | | | C178 | C178 | C178 | C178 | C178 | C178 | | | | |
| | Text attribute – strikethrough on | Rel-5 | 6.9 | | | C163 | C163 | C163 | C163 | C163 | C163 | E.1/30 AND | No | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/124 AND | | | |
| | | | | | | C159 | C159 | C159 | C159 | C159 | C159 | E.1/225 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/229 AND | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/110 AND | | | |
| | | | | | | AND C178 | AND C178 | AND C178 | AND C178 | AND C178 | AND C178 | E.1/111 | | | |
| | Text attribute – foreground and | Rel-5 | 6.10 | | | C178 | C178 | C178 | C178 | C178 | C178 | E.1/30 AND | No | | |
| | background colours | Kei-5 | 6.10 | | | AND | AND | AND | AND | AND | AND | E.1/124 AND | INO | | |
| | background colours | | | | | C165 | C165 | C165 | C165 | C165 | C165 | E.1/230 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/231 AND | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/110 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/111 | | | |
| | | | | | | C178 | C178 | C178 | C178 | C178 | C178 | | | | |
| | UCS2 display in Cyrillic | R99 | 7.1 | | | C118 | C118 | C118 | C118 | C118 | C118 | E.1/39 AND | No | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/15 AND | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/110 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/111 | | | |
| | | | | | | C178 | C178 | C178 | C178 | C178 | C178 | | | | |
| | UCS2 display in Chinese | R99 | 8.1 | | | C143 | C143 | C143 | C143 | C143 | C143 | E.1/39 AND | No | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/15 AND | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/110 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/111 | | | |
| | LICON distriction Ketalassa | Doc | 0.4 | ļ | - | C178 | C178 | C178 | C178 | C178 | C178 | E 4/00 AND | NI- | | |
| | UCS2 display in Katakana | R99 | 9.1 | | | C145 | C145 | C145 | C145 | C145 | C145 | E.1/39 AND | No | | |
| | | | | | | AND C177 | AND C177 | AND C177 | AND C177 | AND C177 | AND C177 | E.1/15 AND E.1/110 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/110 AND E.1/111 | | | |
| 1 | | | | | | C178 | C178 | C178 | C178 | C178 | C178 | L.1/111 | | | |
| 12 | SELECT ITEM 27.22.4.9 | | | | | 5.70 | 0.70 | 0170 | 0.70 | 0.70 | 0.70 | | | | |
| | | 1 | 1 | 1 | 1 | | | 1 | 1 | <u> </u> | | 1 | 1 | 1 | 1 |

| | Description | Re- lease | Test sequence | Rel 99 | Rel-4 ME | Rel-5 ME | Rel-6 ME | Rel-7 ME | Rel-8 ME | Rel-9 ME | Rel- 10 | Terminal Profile | Network Dependen | Sup- port | Additional test case execution parameter |
|---|---|--------------|---------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------------------|---------------------|--------------|--|
| | | | (s) | ME | | | | | | | ME | | су | | |
| | Mandatory features | R99 | 1.1 | C177 | E.1/25 AND | No | | |
| | | | | AND | E.1/110 AND | | | |
| L | | | | C178 | E.1/111 | | | |
| | Large menu | R99 | 1.2, 1.3, | C177 | E.1/25 AND | No | | |
| | | | 1.5,1.6 | AND | E.1/110 AND | | | |
| L | | | | C178 | E.1/111 | | | |
| | Backwards move | R99 | 1.4 | C177 | E.1/25 AND | No | | |
| | | | | AND | E.1/110 AND | | | |
| | | | | C178 | E.1/111 | | | |
| | user termination | R99 | 1.5 | C177 | E.1/25 AND | No | | |
| | | | | AND | E.1/110 AND | | | |
| | | | | C178 | E.1/111 | | | |
| | next action indicator | R99 | 2.1 | C177 | E.1/25 AND | No | | |
| | | | | AND | E.1/110 AND | | | |
| | | | | C178 | E.1/111 | | | |
| | default selected item | R99 | 3.1 | C177 | E.1/25 AND | No | | |
| | | | | AND | E.1/110 AND | | | |
| | | | | C178 | E.1/111 | | | |
| | | | | AND | | | | |
| | | | | | C194 | | | | |
| f | help information | R99 | 4.1 | C107 | E 1/25 AND | No | | |
| | | 1.00 | | AND | E.1/110 AND | | | |
| | | | | C177 | E.1/111 | | | |
| | | | | AND | , | | | |
| | | | | | C178 | | | | |
| ŀ | Icons | R99 | 5.1, 5.2 | C172 | E.1/25 AND | No | | |
| | 100110 | 1100 | 0.1, 0.2 | AND | E.1/110 AND | 140 | | |
| | | | | | C177 | E.1/111 | | | |
| | | | | AND | L.1/111 | | | |
| | | | | | | C178 | C178 | C178 | C178 | C178 | C178 | | | | |
| ŀ | Presentation style | R99 | 6.1, 6.2 | C177 | E.1/25 AND | No | | |
| | r resentation style | 1133 | 0.1, 0.2 | AND | E.1/110 AND | INO | | |
| | | | | | C178 | E.1/111 | | | |
| ŀ | Soft keys | R99 | 7.1 | C112 | C112 | C112 | C178 | C178 | C112 | C112 | C178 | E.1/25 AND | No | | |
| | Soft keys | Kaa | 7.1 | AND | E.1/23 AND E.1/73 AND | INO | | |
| | | | | C177 | E.1/110 AND | | | |
| | | | | | | | | | | | | | | | |
| | | | | AND C178 | AND | AND C178 | AND | AND | AND | AND C178 | AND C178 | E.1/111 | | | |
| - | No Despesso from the control of the | Doc | 0.4 | | C178 | | C178 | C178 | C178 | | | E 4/0E AND | NJ - | 1 | |
| | No Response from user | R99 | 8.1 | C120 | E.1/25 AND | No | | |
| | | | | AND | E.1/110 AND | | | |
| | | | | C177 | E.1/111 | | | |
| | | | | AND | | | | |
| | | | | C178 | ĺ | | | |

| 1 | Description | Re- | Test | Rel | Rel-4 | Rel-5 | Rel-6 | Rel-7 | Rel-8 | Rel-9 | Rel- | Terminal | Network | Sup- | Additional test case |
|---|-----------------------------------|--------|----------|-----|-------|-------|-------|-------|-------------|-------------|------|----------------------------|----------|------|----------------------|
| | · | lease | sequence | 99 | ME | ME | ME | ME | ME | ME | 10 | Profile | Dependen | port | execution paramete |
| | | | (s) | ME | | | | | | | ME | | су | | - |
| | Text attribute – left alignment | Rel-5 | 9.1 | | | C153 | C153 | C153 | C153 | C153 | C153 | E.1/25 AND | No | | |
| | - | | | | | AND | AND | AND | AND | AND | AND | E.1/124 AND | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/217 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/110 AND | | | |
| | | | | | | C178 | C178 | C178 | C178 | C178 | C178 | E.1/111 | | | |
| | Text attribute – center alignment | Rel-5 | 9.2 | | | C154 | C154 | C154 | C154 | C154 | C154 | E.1/25 AND | No | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/124 AND | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/218 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/110 AND | | | |
| | | | | | | C178 | C178 | C178 | C178 | C178 | C178 | E.1/111 | | | |
| | Text attribute – right alignment | Rel-5 | 9.3 | | | C155 | C155 | C155 | C155 | C155 | C155 | E.1/25 AND | No | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/124 AND | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/219 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/110 AND | | | |
| | | | | | | C178 | C178 | C178 | C178 | C178 | C178 | E.1/111 | | | |
| | Text attribute – large font size | Rel-5 | 9.4 | | | C157 | C157 | C157 | C157 | C157 | C157 | E.1/25 AND | No | | |
| | 3 | | | | | AND | AND | AND | AND | AND | AND | E.1/124 AND | | | |
| | | | | | | C156 | C156 | C156 | C156 | C156 | C156 | E.1/221 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/220 AND | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/110 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/111 | | | |
| | | | | | | C178 | C178 | C178 | C178 | C178 | C178 | | | | |
| | Text attribute – small font size | Rel-5 | 9.5 | | | C158 | C158 | C158 | C158 | C158 | C158 | E.1/25 AND | No | | |
| | | | 0.0 | | | AND | AND | AND | AND | AND | AND | E.1/124 AND | | | |
| | | | | | | C156 | C156 | C156 | C156 | C156 | C156 | E.1/222 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/220 AND | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/110 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/111 | | | |
| | | | | | | C178 | C178 | C178 | C178 | C178 | C178 | ,, | | | |
| ŀ | Text attribute – bold on | Rel-5 | 9.6 | | | C160 | C160 | C160 | C160 | C160 | C160 | E.1/25 AND | No | | |
| | Text attribute bold on | TKCI O | 3.0 | | | AND | AND | AND | AND | AND | AND | E.1/124 AND | 110 | | |
| | | | | | | C159 | C159 | C159 | C159 | C159 | C159 | E.1/225 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/226 AND | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/110 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/111 | | | |
| | | | | | | C178 | C178 | C178 | C178 | C178 | C178 | L. 1/ 1 1 1 | | | |
| ŀ | Text attribute – italic on | Rel-5 | 9.7 | 1 | 1 | C161 | C161 | C161 | C161 | C178 | C161 | E.1/25 AND | No | 1 | |
| | Text attribute – Italic Off | Kei-5 | 9.7 | | | AND | AND | AND | AND | AND | AND | E.1/124 AND | INU | | |
| | | | | | | C159 | | C159 | C159 | C159 | C159 | E.1/124 AND E.1/225 AND | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | AND | AND | AND | AND C177 | AND C177 | AND | E.1/227 AND | | | |
| | | | | | | C177 | C177 | C177 | | | C177 | E.1/110 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/111 | | | |
| | | | | | | C178 | C178 | C178 | C178 | C178 | C178 | ĺ | | | |

| Item | Description | Re- | Test | Rel 99 | Rel-4 ME | Rel-5 | Rel-6 | Rel-7 | Rel-8 ME | Rel-9 ME | Rel- | Terminal Profile | Network | Sup- | Additional test case |
|------|-----------------------------------|-------|---------------------|-----------|-------------|-------------|-------------|-------------|-------------|--------------|-------------|--------------------------|-------------|------|----------------------|
| | | lease | sequence (s) | ME | IVIE | ME | ME | ME | IVIE | IVIE | 10 ME | Profile | Dependen cy | port | execution parameter |
| | Text attribute – underline on | Rel-5 | 9.8 | | | C162 | C162 | C162 | C162 | C162 | C162 | E.1/25 AND | No | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/124 AND | | | |
| | | | | | | C159 | C159 | C159 | C159 | C159 | C159 | E.1/225 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/228 AND | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/110 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/111 | | | |
| | | | | | | C178 | C178 | C178 | C178 | C178 | C178 | | | | |
| | Text attribute – strikethrough on | Rel-5 | 9.9 | | | C163 | C163 | C163 | C163 | C163 | C163 | E.1/25 AND | No | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/124 AND | | | |
| | | | | | | C159 | C159 | C159 | C159 | C159 | C159 | E.1/225 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/229 AND | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/110 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/111 | | | |
| | | | | | 1 | C178 | C178 | C178 | C178 | C178 | C178 | | | | |
| | Text attribute – foreground and | Rel-5 | 9.10 | | | C164 | C164 | C164 | C164 | C164 | C164 | E.1/25 AND | No | | |
| | background colours | | | | | AND | AND | AND | AND | AND | AND | E.1/124 AND | | | |
| | | | | | | C165 | C165 | C165 | C165 | C165 | C165 | E.1/230 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/231 AND | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 AND | C177 | E.1/110 AND | | | |
| | | | | | | AND | AND | AND | AND | | AND | E.1/111 | | | |
| | LICCO diamentia Comillia | DOO | 10.1.10.0 | | | C178 | C178 | C178 | C178 | C178 C118 | C178 | E 4/20 AND | NIa | | |
| | UCS2 display in Cyrillic | R99 | 10.1, 10.2, 10.3 | | | C118 AND | C118 AND | C118 AND | C118 AND | AND | C118 AND | E.1/39 AND E.1/15 AND | No | | |
| | | | 10.3 | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/110 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/110 AND E.1/111 | | | |
| | | | | | | C178 | C178 | C178 | C178 | C178 | C178 | E. 1/ 1 1 1 | | | |
| | UCS2 display in Chinese | R99 | 11.1 | | | C143 | C143 | C143 | C143 | C143 | C143 | E.1/25 AND | No | | |
| | OCOZ display ili Chinese | 1133 | ''.' | | | AND | AND | AND | AND | AND | AND | E.1/15 AND | 140 | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/110 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/111 | | | |
| | | | | | | C178 | C178 | C178 | C178 | C178 | C178 | | | | |
| | UCS2 display in Katakana | R99 | 12.1, 12.2, | | | C145 | C145 | C145 | C145 | C145 | C145 | E.1/25 AND | No | | |
| | | | 12.3 | | | AND | AND | AND | AND | AND | AND | E.1/15 AND | | | |
| | | | 1 -10 | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/110 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/111 | | | |
| | | | | | | C178 | C178 | C178 | C178 | C178 | C178 | | | | |
| | Frames | Rel-6 | TBD | | Ì | | | | | | 1 | E.1/25 AND | TBD | | |
| | | | | | | | | | | | | E.1/177 AND | | | |
| | | | | | | | | | | | | E.1/178 AND | | | |
| | | | | | | | | | | | | E.1/110 AND | | | |
| | | | | | | | | | | | <u> </u> | E.1/111 | | | |
| 13 | SEND SMS 27.22.4.10 | | | | | | | | | | | | | | |
| | Void | R99 | 1.1 - 1.8 | | | | | | | | | | | | |

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

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

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

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

| n | Description | Re- lease | Test sequence (s) | Rel 99 ME | Rel-4 ME | Rel-5 ME | Rel-6 ME | Rel-7 ME | Rel-8 ME | Rel-9 ME | Rel- 10 ME | Terminal Profile | Network Dependen cy | Sup- port | Additional test case execution parameter |
|---|-----------------------------------|--------------|-------------------|-----------------|-------------|-------------|-------------|-------------|-------------|-------------|------------------|----------------------------|---------------------------|--------------|--|
| | Text attribute – center alignment | Rel-5 | 4.2 | | | C154 AND | C154 AND | C154 AND | C154 AND | C154 AND | C154 AND | E.1/27 AND E.1/124 AND | UMTS System | | TCEP001 |
| | | | | | | C166 AND | C166 AND | C166 AND | C166 AND | C166 AND | C166 AND | E.1/218 AND E.1/110 | Simulator or System | | |
| | | | | | | C174 | C174 | C174 | C174 AND | C174 AND | C174 AND | | Simulator only | | |
| | | | | | | | | | C183 | C183 | C183 | | | | |
| | Text attribute – right alignment | Rel-5 | 4.3 | | | C155 AND | C155 AND | C155 AND | C155 AND | C155 AND | C155 AND | E.1/27 AND E.1/124 AND | UMTS | | TCEP001 |
| | | | | | | C166 | C166 | C166 | C166 | C166 | C166 | E.1/124 AND E.1/219 AND | System Simulator | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/110 | or System | | |
| | | | | | | C174 | C174 | C174 | C174 AND | C174 AND | C174 AND | | Simulator only | | |
| | | | | | | | | | C183 | C183 | C183 | | Offig | | |
| | Text attribute – large font size | Rel-5 | 4.4 | | | C157 | C157 | C157 | C157 | C157 | C157 | E.1/27 AND | UMTS | | TCEP001 |
| | | | | | | AND C156 | AND C156 | AND C156 | AND C156 | AND C156 | AND C156 | E.1/124 AND E.1/221 AND | System Simulator | | |
| | | | | | | AND | ANDC | AND | ANDC | ANDC | ANDC | E.1/220 AND | or System | | |
| | | | | | | C166 | 166 | C166 | 166 | 166 | 166 | E.1/110 | Simulator | | |
| | | | | | | AND C174 | AND C174 | AND C174 | AND C174 | AND C174 | AND C174 | | only | | |
| | | | | | | 0174 | 0174 | 0174 | AND | AND | AND | | | | |
| | | | | | | 0 | 0.1-0 | 0.1-0 | C183 | C183 | C183 | | | | |
| | Text attribute – small font size | Rel-5 | 4.5 | | | C158 AND | C158 AND | C158 AND | C158 AND | C158 AND | C158 AND | E.1/27 AND E.1/124 AND | UMTS System | | TCEP001 |
| | | | | | | C156 | C156 | C156 | C156 | C156 | C156 | E.1/222 AND | Simulator | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/220 AND | or System | | |
| | | | | | | C166 AND | C166 AND | C166 AND | C166 AND | C166 AND | C166 AND | E.1/110 | Simulator only | | |
| | | | | | | C174 | C174 | C174 | C174 | C174 | C174 | | Orny | | |
| | | | | | | | | | AND | AND | AND | | | | |
| | Text attribute – bold on | Rel-5 | 4.6 | | | C160 | C160 | C160 | C183 | C183 | C183 C160 | E.1/27 AND | UMTS | | TCEP001 |
| | Text attribute bold off | TKCI O | 7.0 | | | AND | AND | AND | AND | AND | AND | E.1/124 AND | System | | 1021 001 |
| | | | | | | C159 | C159 | C159 | C159 | C159 | C159 | E.1/225 AND | Simulator | | |
| | | | | | | AND C166 | AND C166 | AND C166 | AND C166 | AND C166 | AND C166 | E.1/226 AND E.1/110 | or System Simulator | | |
| | | | | | | AND | AND | AND | AND | AND | AND | 2.1/110 | only | | |
| | | | | | | C174 | C174 | C174 | C174 | C174 | C174 | | | | |
| | | | | | | | | | AND C183 | AND C183 | AND C183 | | | | |

| 1 | Description | Re- lease | Test sequence (s) | Rel 99 ME | Rel-4 ME | Rel-5 ME | Rel-6 ME | Rel-7 ME | Rel-8 ME | Rel-9 ME | Rel- 10 ME | Terminal Profile | Network Dependen cy | Sup- port | Additional test case execution parameter |
|---|--|--------------|-------------------|-----------------|-------------|---|---|---|--|--|--|--|---|--------------|--|
| | Text attribute – italic on | Rel-5 | 4.7 | | | C161 AND C159 AND C166 AND C174 | C161 AND C159 AND C166 AND C174 | C161 AND C159 AND C166 AND C174 | C161 AND C159 AND C166 AND C174 AND C183 | C161 AND C159 AND C166 AND C174 AND C183 | C161 AND C159 AND C166 AND C174 AND C183 | E.1/27 AND E.1/124 AND E.1/225 AND E.1/227 AND E.1/110 | UMTS System Simulator or System Simulator only | | TCEP001 |
| • | Text attribute – underline on | Rel-5 | 4.8 | | | C162 AND C159 AND C166 AND C174 | C162 AND C159 AND C166 AND C174 | C162 AND C159 AND C166 AND C174 | C162 AND C159 AND C166 AND C174 AND C183 | C162 AND C159 AND C166 AND C174 AND C183 | C162 AND C159 AND C166 AND C174 AND C183 | E.1/27 AND E.1/124 AND E.1/225 AND E.1/228 AND E.1/110 | UMTS System Simulator or System Simulator only | | TCEP001 |
| - | Text attribute – strikethrough on | Rel-5 | 4.9 | | | C163 AND C159 AND C166 AND C174 | C163 AND C159 AND C166 AND C174 | C163 AND C159 AND C166 AND C174 | C163 AND C159 AND C166 AND C174 AND C183 | C163 AND C159 AND C166 AND C174 AND C183 | C163 AND C159 AND C166 AND C174 AND C183 | E.1/27 AND E.1/124 AND E.1/225 AND E.1/229 AND E.1/110 | UMTS System Simulator or System Simulator only | | TCEP001 |
| | Text attribute – foreground and background colours | Rel-5 | 4.10 | | | C164 AND C165 AND C166 AND C174 | C164 AND C165 AND C166 AND C174 | C164 AND C165 AND C166 AND C174 | C164 AND C165 AND C166 AND C174 AND C183 | C164 AND C165 AND C166 AND C174 AND C183 | C164 AND C165 AND C166 AND C174 AND C183 | E.1/27 AND E.1/124 AND E.1/230 AND E.1/231 AND E.1/110 | UMTS System Simulator or System Simulator only | | TCEP001 |
| • | UCS2 display in Chinese | R99 | 5.1 | | | C143 AND C166 AND C174 | C143 AND C166 AND C174 | C143 AND C166 AND C174 | C143 AND C166 AND C174 AND C183 | C143 AND C166 AND C174 AND C183 | C143 AND C166 AND C174 AND C183 | E.1/27 AND E.1/15 AND E.1/110 | UMTS System Simulator or System Simulator only | | TCEP001 |

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

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

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

| Item | Description | Re- lease | Test sequence (s) | Rel 99 ME | Rel-4 ME | Rel-5 ME | Rel-6 ME | Rel-7 ME | Rel-8 ME | Rel-9 ME | Rel- 10 ME | Terminal Profile | Network Dependen cy | Sup- port | Additional test case execution parameter |
|------|--|--------------|-------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|---|---|---|--|---|--------------|--|
| | Text attribute – strikethrough on | Rel-5 | 4.9 | | | C163 AND C159 | C163 AND C159 | C163 AND C159 | C163 AND C159 AND C183 | C163 AND C159 AND C183 | C163 AND C159 AND C183 | E.1/28 AND E.1/124 AND E.1/225 AND E.1/229 AND E.1/110 | UMTS System Simulator or System Simulator only | | TCEP001 |
| | Text attribute – foreground and background colours | Rel-5 | 4.10 | | | C164 AND C165 | C164 AND C165 | C164 AND C165 | C164 AND C165 AND C183 | C164 AND C165 AND C183 | C164 AND C165 AND C183 | E.1/28 AND E.1/124 AND E.1/230 AND E.1/231 AND E.1/110 | UMTS System Simulator or System Simulator only | | TCEP001 |
| | UCS2 in Chinese | R99 | 5.1 | | | C143 | C143 | C143 | C143 AND C183 | C143 AND C183 | C143 AND C183 | E.1/28 AND E.1/15 AND E.1/110 | UMTS System Simulator or System Simulator only | | TCEP001 |
| | UCS2 in Katakana | R99 | 6.1 | | | C145 | C145 | C145 | C145 AND C183 | C145 AND C183 | C145 AND C183 | E.1/28 AND E.1/15 AND E.1/110 | UMTS System Simulator or System Simulator only | | TCEP001 |
| 16 | SET UP CALL 27.22.4.13 | | | | | | | | | | | | 0, | | |
| | Call confirmed by the user and connected | R99 | 1.1 | C177 AND C178 AND C180 | C177 AND C178 AND C180 | C177 AND C178 AND C180 | C177 AND C178 AND C180 | C177 AND C178 AND C180 | C177 AND C178 AND C180 AND C183 | C177 AND C178 AND C180 AND C183 | C177 AND C178 AND C180 AND C183 | E.1/29 AND E.1/110 AND E.1/111 | UMTS System Simulator or System Simulator only | | |
| | call rejected by the user | R99 | 1.2 | C177 AND C178 AND C180 | C177 AND C178 AND C180 | C177 AND C178 AND C180 | C177 AND C178 AND C180 | C177 AND C178 AND C180 | C177 AND C178 AND C180 AND C183 | C177 AND C178 AND C180 AND C183 | C177 AND C178 AND C180 AND C183 | E.1/29 AND E.1/110 AND E.1/111 | UMTS System Simulator or System Simulator only | | |
| 1 | volu | | | | <u> </u> | | | | | 1 | | □ □.1/29 | | | |

| n | Description | Re- lease | Test sequence | Rel 99 | Rel-4 ME | Rel-5 ME | Rel-6 ME | Rel-7 ME | Rel-8 ME | Rel-9 ME | Rel- 10 | Terminal Profile | Network Dependen | Sup- port | Additional test case execution parameter |
|---|--|--------------|---------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------------------|---------------------|--------------|--|
| | | loudo | (s) | ME | | | "" | | | | ME | 1 101110 | су | Port | excounter parameter |
| | putting all other calls on hold, ME | R99 | 1.4 | C170 | E.1/29 AND | UMTS | | |
| | busy | | | AND | E.1/110 AND | System | | |
| | | | | C177 | E.1/111 | Simulator | | |
| | | | | AND | | or System | | |
| | | | | C178 | | Simulator | | |
| | | | | AND | | only | | |
| | | | | C180 | | | | |
| | | | | | | | | | AND | AND | AND | | | | |
| | | | | - · · · · | 0 | 0 | 0.1 | 0 | C183 | C183 | C183 | = ./= | | | |
| | disconnecting all other calls, ME | R99 | 1.5 | C177 | E.1/29 AND | UMTS | | |
| | busy | | | AND | E.1/110 AND | System | | |
| | | | | C178 | E.1/111 | Simulator | | |
| | | | | AND | | or System | | |
| | | | | C180 | | Simulator | | |
| | | | | | | | | | AND | AND | AND C183 | | only | | |
| ŀ | and the state of t | DOO | 1.6 | C177 | C177 | C177 | C177 | C177 | C183 | C183 | C183 | E.1/29 AND | UMTS | | |
| | only if not currently busy on | R99 | 1.6 | | AND | E.1/110 AND | | | |
| | another call, ME busy | | | AND C178 | C178 | C178 | C178 | C178 | C178 | C178 | C178 | E.1/110 AND E.1/111 | System Simulator | | |
| | | | | AND | □.1/111 | or System | | |
| | | | | C180 | | Simulator | | |
| | | | | C 180 | C 180 | C180 | C 160 | C 180 | AND | AND | AND | | only | | |
| | | | | | | | | | C183 | C183 | C183 | | Offig | | |
| ŀ | putting all other calls on hold, call | R99 | 1.7 | C170 | E.1/29 AND | UMTS | | |
| | hold is not allowed | 1133 | 1.7 | AND | E.1/110 AND | System | | |
| | noid is not allowed | | | C177 | E.1/111 | Simulator | | |
| | | | | AND | | or System | | |
| | | | | C178 | | Simulator | | |
| | | | | AND | | only | | |
| | | | | C180 | | | | |
| | | | | | | | | | AND | AND | AND | | | | |
| | | | | | | | | | C183 | C183 | C183 | | | | |
| j | Capability configuration | R99 | 1.8 | C101 | E.1/29 AND | UMTS | | |
| | . , 3 | | | AND | E.1/110 AND | System | | |
| | | | | C177 | E.1/111 | Simulator | | |
| | | | | AND | | or System | | |
| | | | | C178 | | Simulator | | |
| | | | | AND | | only | | |
| | | | | C180 | | 1 | | |
| | | | | | | | | | AND | AND | AND | | | | |
| | | | | | | | | | C183 | C183 | C183 | | | | |

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

| Item | Description | Re- | Test | Rel | Rel-4 | Rel-5 | Rel-6 | Rel-7 | Rel-8 | Rel-9 | Rel- | Terminal | Network | Sup- | Additional test case |
|------|-----------------------------------|-------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|----------------------------|---------------------|------|----------------------|
| | • | lease | sequence | 99 | ME | ME | ME | ME | ME | ME | 10 | Profile | Dependen | port | execution parameter |
| | | | (s) | ME | | | | | | | ME | | су | | |
| | Icons – basic icon | R99 | 3.1,3.2, 3.4 | C108 | C108 | C108 | C108 | C108 | C108 | C108 | C108 | E.1/29 AND | UMTS | | |
| | | | | AND | E.1/110 AND | System | | |
| | | | | | C177 | E.1/111 | Simulator | | |
| | | | | AND | | or System | | |
| | | | | C178 AND | C178 AND | C178 AND | C178 AND | C178 AND | C178 AND | C178 AND | C178 AND | | Simulator only | | |
| | | | | C180 | | Offig | | |
| | | | | C 180 | C 180 | C 180 | C180 | C 180 | AND | AND | AND | | | | |
| | | | | | | | | | C183 | C183 | C183 | | | | |
| | Icons – colour icon | R99 | 3.3 | C171 | E.1/29 AND | UMTS | | |
| | | | 0.0 | AND | E.1/110 AND | System | | |
| | | | | | C177 | E.1/111 | Simulator | | |
| | | | | AND | | or System | | |
| | | | | | C178 | | Simulator | | |
| | | | | AND | | only | | |
| | | | | C180 | | | | |
| | | | | | | | | | AND | AND | AND | | | | |
| | T | 5 | | | | 0.450 | 0.150 | 0.150 | C183 | C183 | C183 | E 4/00 AND | | | |
| | Text attribute – left alignment | Rel-5 | 4.1 | | | C153 | C153 | C153 | C153 | C153 | C153 | E.1/29 AND | UMTS | | |
| | | | | | | AND C177 | AND C177 | AND C177 | AND C177 | AND C177 | AND C177 | E.1/124 AND | System Simulator | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/217 AND E.1/110 AND | or System | | |
| | | | | | | C178 | C178 | C178 | C178 | C178 | C178 | E.1/111 | Simulator | | |
| | | | | | | AND | AND | AND | AND | AND | AND | L.1/111 | only | | |
| | | | | | | C180 | C180 | C180 | C180 | C180 | C180 | | J, | | |
| | | | | | | | | | AND | AND | AND | | | | |
| | | | | | | | | | C183 | C183 | C183 | | | | |
| | Text attribute – center alignment | Rel-5 | 4.2 | | | C154 | C154 | C154 | C154 | C154 | C154 | E.1/29 AND | UMTS | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/124 AND | System | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/218 AND | Simulator | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/110 AND | or System | | |
| | | | | | | C178 | C178 | C178 | C178 | C178 | C178 | E.1/111 | Simulator | | |
| | | | | | | AND | AND | AND | AND | AND | AND | | only | | |
| | | | | | | C180 | C180 | C180 | C180 AND | C180 AND | C180 AND | | | | |
| | | | | | | | | | C183 | C183 | C183 | | | | |
| | | | | | | | | | U103 | U103 | U103 | | | | |

| Item | Description | Re- | Test | Rel | Rel-4 | Rel-5 | Rel-6 | Rel-7 | Rel-8 | Rel-9 | Rel- | Terminal | Network | Sup- | Additional test case |
|------|----------------------------------|-------|----------|-----|-------|-------------|-------------|-------------|-------------|-------------|-------------|----------------------------|------------------------|------|----------------------|
| | | lease | sequence | 99 | ME | ME | ME | ME | ME | ME | 10 | Profile | Dependen | port | execution parameter |
| | T | D 15 | (s) | ME | | 0455 | 0455 | 0455 | 0455 | 0455 | ME | E 4/00 AND | су | | |
| | Text attribute – right alignment | Rel-5 | 4.3 | | | C155 | C155 | C155 | C155 | C155 | C155 | E.1/29 AND | UMTS | | |
| | | | | | | AND C177 | AND C177 | AND C177 | AND C177 | AND C177 | AND C177 | E.1/124 AND | System | | |
| | | | | | | | | | | AND | AND | E.1/219 AND | Simulator | | |
| | | | | | | AND C178 | AND C178 | AND C178 | AND C178 | C178 | C178 | E.1/110 AND E.1/111 | or System Simulator | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E. 1/ 1 1 1 | only | | |
| | | | | | | C180 | C180 | C180 | C180 | C180 | C180 | | Offiny | | |
| | | | | | | 0.00 | 0.00 | 0.00 | AND | AND | AND | | | | |
| | | | | | | | | | C183 | C183 | C183 | | | | |
| | Text attribute – large font size | Rel-5 | 4.4 | | | C157 | C157 | C157 | C157 | C157 | C157 | E.1/29 AND | UMTS | | |
| | gg. | | | | | AND | AND | AND | AND | AND | AND | E.1/124 AND | System | | |
| | | | | | | C156 | C156 | C156 | C156 | C156 | C156 | E.1/221 AND | Simulator | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/220 AND | or System | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/110 AND | Simulator | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/111 | only | | |
| | | | | | | C178 | C178 | C178 | C178 | C178 | C178 | | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | | | | |
| | | | | | | C180 | C180 | C180 | C180 | C180 | C180 | | | | |
| | | | | | | | | | AND | AND | AND | | | | |
| | | | | | | 0.1-0 | | 0.1-0 | C183 | C183 | C183 | | | | |
| | Text attribute – small font size | Rel-5 | 4.5 | | | C158 | C158 | C158 | C158 | C158 | C158 | E.1/29 AND | UMTS | | |
| | | | | | | AND C156 | AND C156 | AND C156 | AND C156 | AND C156 | AND C156 | E.1/124 AND E.1/222 AND | System Simulator | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/222 AND E.1/220 AND | or System | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/110 AND | Simulator | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/111 | only | | |
| | | | | | | C178 | C178 | C178 | C178 | C178 | C178 | L.1/111 | Only | | |
| | | | | | | AND | AND | AND | AND | AND | AND | | | | |
| | | | | | | C180 | C180 | C180 | C180 | C180 | C180 | | | | |
| | | | | | | | | | AND | AND | AND | | | | |
| | | | | | | | | | C183 | C183 | C183 | | | | |
| | Text attribute – bold on | Rel-5 | 4.6 | | | C160 | C160 | C160 | C160 | C160 | C160 | E.1/29 AND | UMTS | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/124 AND | System | | |
| | | | | | | C159 | C159 | C159 | C159 | C159 | C159 | E.1/225 AND | Simulator | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/226 AND | or System | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/110 AND | Simulator | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/111 | only | | |
| | | | | | | C178 | C178 | C178 | C178 | C178 | C178 | | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | | | | |
| | | | | | | C180 | C180 | C180 | C180 | C180 | C180 | | | | |
| | | | | | | | | | AND | AND | AND | | | | |
| | | 1 | | | I | | l | | C183 | C183 | C183 | | | I | |

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

| Item | Description | Re- | Test | Rel | Rel-4 | Rel-5 | Rel-6 | Rel-7 | Rel-8 | Rel-9 | Rel- | Terminal | Network | Sup- | Additional test case |
|------|--------------------------------------|-------|-----------------|----------|-------|---|---|---|--|--|--|--|---|------|----------------------|
| | | lease | sequence (s) | 99 ME | ME | ME | ME | ME | ME | ME | 10 ME | Profile | Dependen cy | port | execution parameter |
| | UCS2 Display in Cyrillic | R99 | 5.1, 5.2. | | | C118 AND C177 AND C178 AND C180 | C118 AND C177 AND C178 AND C180 | C118 AND C177 AND C178 AND C180 | C118 AND C177 AND C178 AND C180 AND | C118 AND C177 AND C178 AND C180 AND | C118 AND C177 AND C178 AND C180 AND | E.1/29 AND E.1/15 AND E.1/110 AND E.1/111 | UMTS System Simulator or System Simulator only | | |
| | UCS2 display in Chinese | R99 | 6.1, 6.2 | | | C143 AND C177 AND C178 AND C180 | C143 AND C177 AND C178 AND C180 | C143 AND C177 AND C178 AND C180 | C183 C143 AND C177 AND C178 AND C180 AND C183 | C183 C143 AND C177 AND C178 AND C180 AND C183 | C183 C143 AND C177 AND C178 AND C180 AND C183 | E.1/29 AND E.1/15 AND E.1/110 AND E.1/111 | UMTS System Simulator or System Simulator only | | |
| | UCS2 display in Katakana | R99 | 7.1, 7.2 | | | C145 AND C177 AND C178 AND C180 | C145 AND C177 AND C178 AND C180 | C145 AND C177 AND C178 AND C180 | C145 AND C177 AND C178 AND C180 AND C183 | C145 AND C177 AND C178 AND C180 AND C183 | C145 AND C177 AND C178 AND C180 AND C183 | E.1/29 AND E.1/15 AND E.1/110 AND E.1/111 | UMTS System Simulator or System Simulator only | | |
| | Frames | Rel-6 | TBD | | | | | | | | | E.1/29 AND E.1/177 AND E.1/178 AND E.1/110 AND E.1/111 | TBD | | |
| 17 | POLLING OFF 27.22.4.14 POLLING OFF | R99 | 1.1 | C180 | C180 | C180 | C180 | C180 | C180 AND C183 | C180 AND C183 | C180 AND C183 | E.1/23 | UMTS System Simulator or System Simulator only | | |
| 40 | POLLING OFF, E-UTRAN | Rel-8 | 1.2 | | | | | | C190 | C190 | C190 | E.1/23 | E-USS only | | |
| 18 | PROVIDE LOCAL INFORMATION 27.22.4.15 | | | | | | | | | | | | | | |
| | location information | R99 | 1.1 | М | М | M | М | М | M | М | М | E.1/31 | Yes | | AER003 |

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

| Item | Description | Re- lease | Test sequence (s) | Rel 99 ME | Rel-4 ME | Rel-5 ME | Rel-6 ME | Rel-7 ME | Rel-8 ME | Rel-9 ME | Rel- 10 ME | Terminal Profile | Network Dependen cy | Sup- port | Additional test case execution parameter |
|------|--|--------------|-------------------------|-----------------|-------------|-------------|-------------|-------------|---------------------|---------------------|---------------------|------------------------------------|--|--------------|--|
| | Set up call connected event | R99 | 1.1 | C180 | C180 | C180 | C180 | C180 | C180 AND C183 | C180 AND C183 | C180 AND C183 | E.1/33 AND E.1/35 | UMTS System Simulator or System Simulator only | | |
| | Replace by new event list | R99 | 1.2 | C180 | C180 | C180 | C180 | C180 | C180 AND C183 | C180 AND C183 | C180 AND C183 | E.1/33 AND E.1/35 AND E.1/36 | UMTS System Simulator or System Simulator only | | |
| | Remove event | R99 | 1.3 | | | | C180 | C180 | C180 AND C183 | C180 AND C183 | C180 AND C183 | E.1/33 AND E.1/35 | UMTS System Simulator or System Simulator only | | |
| | Remove Event on ME Power Cycle | R99 | 1.4 | C180 | C180 | C180 | C180 | C180 | C180 AND C183 | C180 AND C183 | C180 AND C183 | E.1/33 AND E.1/35 | UMTS System Simulator or System Simulator only | | |
| 20 | PERFORM CARD APDU 27.22.4.17 | | | | | | | | | | | | | | |
| | Additional card inserted, Select MF and Get Response | R99 | 1.1 | C109 | C109 | C109 | C109 | C109 | C109 | C109 | C109 | E.1/51 | No | | |
| | Additional card inserted, Select DF GSM, Select EF PLMN, Update Binary, Read Binary on EF PLMN | R99 | 1.2 | | C109 | | C109 | C109 | C109 | C109 | C109 | E.1/51 | No | | |
| | Additional card inserted, card powered off | R99 | 1.3 | C109 | C109 | C109 | C109 | C109 | C109 | C109 | C109 | E.1/51 | No | | |
| | No card inserted, card powered off | R99 | 1.4 | C109 | C109 | C109 | C109 | C109 | C109 | C109 | C109 | E.1/51 | No | | |
| | Invalid card reader identifier | R99 | 1.5 | | | C109 | | C109 | C109 | C109 | C109 | E.1/51 | No | | |
| | Detachable reader | R99 | 2.1 | C116 | C116 | C116 | C116 | C116 | C116 | C116 | C116 | E.1/51 | No | | |
| 21 | POWER OFF CARD 27.22.4.18 | | <u> </u> | | | | | | | | | | | | |
| | Additional card inserted | R99 | 1.1 | | | C109 | | C109 | C109 | C109 | C109 | E.1/50 | No | | |
| | No card inserted | R99 | 1.2 | C109 | C109 | C109 | C109 | C109 | C109 | C109 | C109 | E.1/50 | No | | |
| 22 | Detachable reader POWER ON CARD 27.22.4.19 | R99 | 2.1 | C116 | C116 | C116 | C116 | C116 | C116 | C116 | C116 | E.1/50 | No | | |
| | Additional card inserted | R99 | 1.1 | C109 | C109 | C109 | C109 | C109 | C109 | C109 | C109 | E.1/49 | No | | |
| | No ATR | R99 | 1.2 | | | C109 | | C109 | | C109 | | E.1/49 | No | | |
| | 110 / 1111 | 1133 | 1.4 | 0100 | 0100 | 0100 | 0103 | 0100 | 0100 | 0103 | 0100 | L. 1/73 | 1 110 | 1 | <u> </u> |

| Item | Description | Re- lease | Test sequence (s) | Rel 99 ME | Rel-4 ME | Rel-5 ME | Rel-6 ME | Rel-7 ME | Rel-8 ME | Rel-9 ME | Rel- 10 ME | Terminal Profile | Network Dependen cy | Sup- port | Additional test case execution parameter |
|------|--|--------------|-------------------|-----------------|-------------|-------------|-------------|-------------|-------------|-------------|------------------|-----------------------------------|---------------------------|--------------|--|
| | No card inserted | R99 | | C109 | C109 | C109 | C109 | C109 | C109 | C109 | C109 | E.1/49 | No | | |
| | Detachable reader | R99 | 2.1 | C116 | C116 | C116 | C116 | C116 | C116 | C116 | C116 | E.1/49 | No | | |
| 23 | GET READER STATUS 27.22.4.20 | | | | | | | | | | | | | | |
| | Additional card inserted, card powered | R99 | | | | C109 | C109 | C109 | C109 | C109 | C109 | E.1/52 | No | | |
| | Additional card inserted, card not powered | R99 | | | C109 | | C109 | C109 | C109 | C109 | C109 | E.1/52 | No | | |
| | Additional card inserted, card not present | R99 | 1.3 | C109 | C109 | C109 | C109 | C109 | C109 | C109 | C109 | E.1/52 | No | | |
| | Detachable reader | R99 | 2.1 | C116 | C116 | C116 | C116 | C116 | C116 | C116 | C116 | E.1/52 | No | | |
| 24 | TIMER MANAGEMENT 27.22.4.21.1 | | | | | | | | | | | | | | |
| | Start timer 1 several times, get the current value of the timer and deactivate the timer successfully | R99 | 1.1 | М | M | M | М | М | М | М | М | E.1/57 AND E.1/58 | No | | |
| | Start timer 2 several times, get the current value of the timer and deactivate the timer successfully | R99 | 1.2 | М | М | М | М | М | М | М | М | E.1/57 AND E.1/58 | No | | |
| | Start timer 8 several times, get the current value of the timer and deactivate the timer successfully | R99 | 1.3 | М | М | М | М | М | М | М | М | E.1/57 AND E.1/58 | No | | |
| | Try to get the current value of a timer which is not started: action in contradiction with the current timer state | R99 | 1.4 | М | М | M | М | М | M | M | М | E.1/57 AND E.1/58 | No | | |
| | Try to deactivate a timer which is not started: action in contradiction with the current timer state | R99 | 1.5 | М | М | М | М | М | М | М | М | E.1/57 AND E.1/58 | No | | |
| | Start 8 timers successfully | R99 | 1.6 | М | М | М | М | М | М | М | М | E.1/57 AND E.1/58 | No | | |
| 25 | ENVELOPE TIMER EXPIRATION 27.22.4.21.2 | | | | | | | | | | | | | | |
| | Pending proactive UICC command | R99 | 2.1 | М | М | М | М | М | М | М | М | E.1/6 AND E.1/57 | No | | |
| | USIM application toolkit busy | R99 | 2.2 | M | М | М | М | М | М | М | М | E.1/6 AND E.1/57 AND E.1/20 | No | | |
| 26 | SET UP IDLE MODE TEXT 27.22.4.22 | | | | | | | | | | | | | | |

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

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

| Item | Description | Re- | Test | Rel | Rel-4 | Rel-5 | Rel-6 | Rel-7 | Rel-8 | Rel-9 | Rel- | Terminal | Network | Sup- | Additional test case |
|------|--------------------------------------|--------|------------|----------|-------|-------------|-------------|-------------|-------------|-------------|-------------|----------------------------|----------|------|----------------------|
| | | lease | sequence | 99 ME | ME | ME | ME | ME | ME | ME | 10 ME | Profile | Dependen | port | execution parameter |
| | Text attribute – italic on | Rel-5 | (s) 4.7 | IVIE | | C161 | C161 | C161 | C161 | C161 | C161 | E.1/61 AND | Yes | | |
| | Text attribute – Italic on | Kei-5 | 4.7 | | | AND | AND | AND | AND | AND | AND | E.1/33 AND | 162 | | |
| | | | | | | C159 | C159 | C159 | C159 | C159 | C159 | E.1/39 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/124 AND | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/225 AND | | | |
| | | | | | | 0177 | 0177 | 0.,, | 0.77 | 0177 | 0177 | E.1/227 AND | | | |
| | | | | | | | | | | | | E.1/110 | | | |
| | Text attribute – underline on | Rel-5 | 4.8 | | | C162 | C162 | C162 | C162 | C162 | C162 | E.1/61 AND | Yes | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/33 AND | | | |
| | | | | | | C159 | C159 | C159 | C159 | C159 | C159 | E.1/39 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/124 AND | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/225 AND | | | |
| | | | | | | | | | | | | E.1/228 AND | | | |
| | | | | | | | | | | | | E.1/110 | | | |
| | Text attribute – strikethrough on | Rel-5 | 4.9 | | | C163 | C163 | C163 | C163 | C163 | C163 | E.1/61 AND | Yes | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/33 AND | | | |
| | | | | | | C159 | C159 | C159 | C159 | C159 | C159 | E.1/39 AND | | | |
| | | | | | | AND C177 | AND C177 | AND C177 | AND C177 | AND C177 | AND C177 | E.1/124 AND E.1/225 AND | | | |
| | | | | | | CITT | 6177 | 0177 | 0177 | CITT | 0177 | E.1/225 AND E.1/229 AND | | | |
| | | | | | | | | | | | | E.1/229 AND E.1/110 | | | |
| | Text attribute – foreground and | Rel-5 | 4.10 | | | C164 | C164 | C164 | C164 | C164 | C164 | E.1/61 AND | Yes | | |
| | background colours | 1161-3 | 4.10 | | | AND | AND | AND | AND | AND | AND | E.1/33 AND | 163 | | |
| | background colours | | | | | C165 | C165 | C165 | C165 | C165 | C165 | E.1/39 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/124 AND | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/230 AND | | | |
| | | | | | | | | | | | | E.1/231 AND | | | |
| | | | | | | | | | | | | E.1/110 | | | |
| | UCS2 display in Chinese | R99 | 5.1 | | | C143 | C143 | C143 | C143 | C143 | C143 | E.1/61 AND | Yes | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/15 AND | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/39 AND | | | |
| | | | | | | | | | | | | E.1/110 | | | |
| | UCS2 display in Katakana | R99 | 6.1 | | | C145 | C145 | C145 | C145 | C145 | C145 | E.1/61 AND | Yes | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/15 AND | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/39 AND | | | |
| | _ | | | | | | | | | | | E.1/110 | | | |
| | Frames | Rel-6 | TBD | | | | | | | | | E.1/61 AND | TBD | | |
| | | | | | | | | | | | | E.1/177 AND | | | |
| | | | | | | | | | | | | E.1/178 AND | | | |
| 27 | RUN AT COMMAND 27.22.4.23 | | | | | | | | | | | E.1/110 | | | |
| 21 | No alpha Identifier | R99 | 1.1 | C110 | C110 | C110 | C110 | C110 | C110 | C110 | C110 | E.1/62 | No | | |
| | null data alpha identifier presented | R99 | 1.2 | | | | C110 | | | | | E.1/62 | No | | |
| 1 | man data dipira identifici presented | 1100 | 1.4 | | | 0110 | 0110 | 0110 | 0110 | 0110 | 0110 | L. 1/UZ | 140 | 1 | |

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

| | Description | Re- | Test | Rel | Rel-4 | Rel-5 | Rel-6 | Rel-7 | Rel-8 | Rel-9 | Rel- | Terminal | Network | Sup- | Additional test case |
|---|------------------------------------|--------|-----------------|----------|-------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------|----------------------|
| | | lease | sequence (s) | 99 ME | ME | ME | ME | ME | ME | ME | 10 ME | Profile | Dependen cy | port | execution parameter |
| | Text attribute – bold on | Rel-5 | 3.6 | | | C110 | C110 | C110 | C110 | C110 | C110 | E.1/62 AND | No | | |
| | | | | | | AND | ANDC | AND | AND | AND | AND | E.1/124 AND | | | |
| | | | | | | C160 | 160 | C160 | C160 | C160 | C160 | E.1/225 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/226 AND | | | |
| | | | | | | C159 | C159 | C159 | C159 | C159 | C159 | E.1/110 | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | | | | |
| | Text attribute – italic on | Rel-5 | 3.7 | | | C110 | C110 | C110 | C110 | C110 | C110 | E.1/62 AND | No | | |
| | | | | | | AND | ANDC | AND | AND | AND | AND | E.1/124 AND | | | |
| | | | | | | C161 | 161 | C161 | C161 | C161 | C161 | E.1/225 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/227 AND | | | |
| | | | | | | C159 | C159 | C159 | C159 | C159 | C159 | E.1/110 | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | | | | |
| ŀ | T | D 15 | 0.0 | | | C177 | C177 | C177 | C177 | C177 | C177 | E 4/00 AND | | | |
| | Text attribute – underline on | Rel-5 | 3.8 | | | C110 | C110 | C110 | C110 | C110 | C110 | E.1/62 AND | No | | |
| | | | | | | AND | ANDC | AND | AND | AND | AND | E.1/124 AND | | | |
| | | | | | | C162 | 162 | C162 AND | C162 AND | C162 AND | C162 AND | E.1/225 AND | | | |
| | | | | | | AND C159 | AND | C159 | C159 | C159 | C159 | E.1/228 AND | | | |
| | | | | | | AND | C159 AND | AND | AND | AND | AND | E.1/110 | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | | | | |
| ŀ | Text attribute – strikethrough on | Rel-5 | 3.9 | | | C110 | C110 | C110 | C110 | C110 | C110 | E.1/62 AND | No | | |
| | Text attribute — striketiriough on | 1161-3 | 3.9 | | | AND | ANDC | AND | AND | AND | AND | E.1/124 AND | INO | | |
| | | | | | | C163 | 163 | C163 | C163 | C163 | C163 | E.1/225 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/229 AND | | | |
| | | | | | | C159 | C159 | C159 | C159 | C159 | C159 | E.1/110 | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | 2.17110 | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | | | | |
| Ī | Text attribute – foreground and | Rel-5 | 3.10 | | | C110 | C110 | C110 | C110 | C110 | C110 | E.1/62 AND | No | | |
| | background colours | | | | | AND | ANDC | AND | AND | AND | AND | E.1/124 AND | | | |
| | 3 | | | | | C164 | 164 | C164 | C164 | C164 | C164 | E.1/230 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/231 AND | | | |
| | | | | | | C165 | C165 | C165 | C165 | C165 | C165 | E.1/110 | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | | | | |
| Į | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | | | | |
| ſ | UCS2 Display in Cyrillic | R99 | 4.1 | | | C149 | C149 | C149 | C149 | C149 | C149 | E.1/62 AND | No | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/15 AND | | | |
| Ĺ | | | | ļ | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/110 | | | |
| | UCS2 display in Chinese | R99 | 5.1 | | | C150 | C150 | C150 | C150 | C150 | C150 | E.1/62 AND | No | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/15 AND | | | |
| ļ | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/110 | | | |
| | UCS2 display in Katakana | R99 | 6.1 | | | C151 | C151 | C151 | C151 | C151 | C151 | E.1/62 AND | No | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/15 AND | | | |
| 1 | | 1 | <u> </u> | L | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/110 | 1 | | |

| Item | Description | Re- lease | Test sequence (s) | Rel 99 ME | Rel-4 ME | Rel-5 ME | Rel-6 ME | Rel-7 ME | Rel-8 ME | Rel-9 ME | Rel- 10 ME | Terminal Profile | Network Dependen cy | Sup- port | Additional test case execution parameter |
|------|--------------------------------|--------------|-------------------|---------------------|---------------------|---------------------|---------------------|---------------------|------------------------------------|------------------------------------|------------------------------------|---|--|--------------|--|
| | Frames | Rel-6 | TBD | | | | | | | | | E.1/62 AND E.1/177 AND E.1/178 AND E.1/110 | TBD | | |
| 28 | SEND DTMF 27.22.4.24 | | | | _ | | | _ | | _ | | | | | |
| | Normal | R99 | 1.1 | C180 | C180 | C180 | C180 | C180 | C180 AND C183 | C180 AND C183 | C180 AND C183 | E.1/66 | UMTS System Simulator or System Simulator only | | |
| | alpha identifier | R99 | 1.2, 1.3 | C180 | C180 | C180 | C180 | C180 | C180 AND C183 | C180 AND C183 | C180 AND C183 | E.1/66 AND E.1/110 | UMTS System Simulator or System Simulator only | | TCEP001 |
| | Mobile is not in a speech call | R99 | 1.4 | C180 | C180 | C180 | C180 | C180 | C180 AND C183 | C180 AND C183 | C180 AND C183 | E.1/66 | UMTS System Simulator or System Simulator only | | |
| | Icons – basic icon | R99 | 2.1, 2.3 | C108 AND C180 | C108 AND C180 | C108 AND C180 | C108 AND C180 | C108 AND C180 | C108 AND C180 AND C183 | C108 AND C180 AND C183 | C108 AND C180 AND C183 | E.1/66 AND E.1/110 | UMTS System Simulator or System Simulator only | | TCEP001 |
| | Icons – colour icon | R99 | 2.2 | C171 AND C180 | C171 AND C180 | C171 AND C180 | C171 AND C180 | C171 AND C180 | C171 AND C180 AND C183 | C171 AND C180 AND C183 | C171 AND C180 AND C183 | E.1/66 AND E.1/110 | UMTS System Simulator or System Simulator only | | TCEP001 |
| | UCS2 display in Cyrillic | R99 | 3.1 | C118 AND C180 | C118 AND C180 | C118 AND C180 | C118 AND C180 | C118 AND C180 | C118 AND C180 AND C183 | C118 AND C180 AND C183 | C118 AND C180 AND C183 | E.1/66 AND E.1/15 AND E.1/110 | UMTS System Simulator or System Simulator only | | TCEP001 |

| Item | Description | Re- lease | Test sequence (s) | Rel 99 ME | Rel-4 ME | Rel-5 ME | Rel-6 ME | Rel-7 ME | Rel-8 ME | Rel-9 ME | Rel- 10 ME | Terminal Profile | Network Dependen cy | Sup- port | Additional test case execution parameter |
|------|-----------------------------------|--------------|-------------------|-----------------|-------------|------------------------------------|------------------------------------|------------------------------------|---|---|---|--|---|--------------|--|
| | Text attribute – left alignment | Rel-5 | 4.1 | | | C153 AND C180 | C153 AND C180 | C153 AND C180 | C153 AND C180 AND | C153 AND C180 AND | C153 AND C180 AND | E.1/66 AND E.1/124 AND E.1/217 AND E.1/110 | UMTS System Simulator or System | | TCEP001 |
| | | | | | | | | | C183 | C183 | C183 | | Simulator | | |
| | Text attribute – center alignment | Rel-5 | 4.2 | | | C154 AND C180 | C154 AND C180 | C154 AND C180 | C154 AND C180 AND C183 | C154 AND C180 AND C183 | C154 AND C180 AND C183 | E.1/66 AND E.1/124 AND E.1/218 AND E.1/110 | UMTS System Simulator or System Simulator only | | TCEP001 |
| | Text attribute – right alignment | Rel-5 | 4.3 | | | C155 AND C180 | C155 AND C180 | C155 AND C180 | C155 AND C180 AND C183 | C155 AND C180 AND C183 | C155 AND C180 AND C183 | E.1/66 AND E.1/124 AND E.1/219 AND E.1/110 | UMTS System Simulator or System Simulator only | | TCEP001 |
| | Text attribute – large font size | Rel-5 | 4.4 | | | C157 AND C156 AND C180 | C157 AND C156 AND C180 | C157 AND C156 AND C180 | C157 AND C156 AND C180 AND C183 | C157 AND C156 AND C180 AND C183 | C157 AND C156 AND C180 AND C183 | E.1/66 AND E.1/124 AND E.1/221 AND E.1/220 AND E.1/110 | UMTS System Simulator or System Simulator only | | TCEP001 |
| | Text attribute – small font size | Rel-5 | 4.5 | | | C158 AND C156 AND C180 | C158 AND C156 AND C180 | C158 AND C156 AND C180 | C158 AND C156 AND C180 AND C183 | C158 AND C156 AND C180 AND C183 | C158 AND C156 AND C180 AND C183 | E.1/66 AND E.1/124 AND E.1/222 AND E.1/220 AND E.1/110 | UMTS System Simulator or System Simulator only | | TCEP001 |
| | Text attribute – bold on | Rel-5 | 4.6 | | | C160 AND C159 AND C180 | C160 AND C159 AND C180 | C160 AND C159 AND C180 | C160 AND C159 AND C180 AND C183 | C160 AND C159 AND C180 AND C183 | C160 AND C159 AND C180 AND C183 | E.1/66 AND E.1/124 AND E.1/225 AND E.1/226 AND E.1/110 | UMTS System Simulator or System Simulator only | | TCEP001 |

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

| ltem | Description | Re- lease | Test sequence (s) | Rel 99 ME | Rel-4 ME | Rel-5 ME | Rel-6 ME | Rel-7 ME | Rel-8 ME | Rel-9 ME | Rel- 10 ME | Terminal Profile | Network Dependen cy | Sup- port | Additional test case execution parameter |
|------|---|--------------|-------------------|-----------------|-------------|-------------|--------------|-------------|--------------|--------------|------------------|---------------------|---------------------------|--------------|--|
| 29 | LANGUAGE NOTIFICATION 27.22.4.25 | | | | | | | | | | | | | | |
| | Specific language notification | R99 | 1.1 | C181 | C181 | C181 | C181 | C181 | C181 | C181 | C181 | E.1/70 | No | | |
| | Non specific language notification | R99 | 1.2 | C181 | C181 | C181 | C181 | C181 | C181 | C181 | C181 | E.1/70 | No | | |
| 30 | LAUNCH BROWSER 27.22.4.26 | | | | | | | | | | | | | | |
| | No session already launched: | R99 | 1.1 | C111 | C111 | C111 | C111 | C111 | C111 | C111 | C111 | E.1/71 AND | Yes | | |
| | Connect to the default URL | | | AND | AND | AND | AND | AND | AND | AND | AND | E.1/110 AND | | | |
| | | | | | C177 | C177 | C177 | C177 | C177 | C177 | C177 | E.1/111 | | | |
| | | | | AND | AND | AND | AND | AND | AND | AND | AND | | | | |
| | name at to the anacified LIDI | R99 | 1.2 | C178 | C178 | C178 | C178 C111 | C178 | C178 C111 | C178 C111 | C178 C111 | E.1/71 AND | Yes | | |
| | connect to the specified URL, alpha identifier length=0 | R99 | 1.2 | AND | AND | AND | AND | AND | AND | AND | AND | E.1/110 AND | res | | |
| | alpria identilier lerigiri=0 | | | C177 | C177 | C177 | C177 | C177 | C177 | C177 | C177 | E.1/111 | | | |
| | | | | AND | AND | AND | AND | AND | AND | AND | AND | L.1/111 | | | |
| | | | | | C178 | C178 | C178 | C178 | C178 | C178 | C178 | | | | |
| | Browser identity, no alpha identifier | R99 | 1.3 | C111 | C111 | C111 | C111 | C111 | C111 | C111 | C111 | E.1/71 AND | Yes | | |
| | , , | | | AND | AND | AND | AND | AND | AND | AND | AND | E.1/110 AND | | | |
| | | | | C177 | C177 | C177 | C177 | C177 | C177 | C177 | C177 | E.1/111 | | | |
| | | | | AND | AND | AND | AND | AND | AND | AND | AND | | | | |
| | | | | C178 | C178 | C178 | C178 | C178 | C178 | C178 | C178 | | | | |
| | one bearer specified and | R99 | 1.4 | C122 | C122 | C122 | C122 | C122 | C122 | C122 | C122 | E.1/71 AND | Yes | | |
| | gateway/proxy identity | | | AND | AND | AND | AND | AND | AND | AND | AND | E.1/98 AND | | | |
| | | | | C177 | C177 AND | C177 AND | C177 | C177 | C177 AND | C177 AND | C177 AND | E.1/110 AND | | | |
| | | | | AND C178 | C178 | C178 | AND C178 | AND C178 | C178 | C178 | C178 | E.1/111 | | | |
| | void | R99 | 1.5 | Void | Void | Void | Void | Void | Void | Void | Void | void | | | |
| | Interaction with current session | R99 | 2.1, 2.2, | C111 | C111 | C111 | C111 | C111 | C111 | C111 | C111 | E.1/71 AND | Yes | | |
| | Interdetion with editent session | 1100 | 2.3 | AND | AND | AND | AND | AND | AND | AND | AND | E.1/110 AND | 103 | | |
| | | | 2.0 | C177 | C177 | C177 | C177 | C177 | C177 | C177 | C177 | E.1/111 | | | |
| | | | | AND | AND | AND | AND | AND | AND | AND | AND | · | | | |
| | | | | C178 | C178 | C178 | C178 | C178 | C178 | C178 | C178 | | | | |
| | UCS2 display in Cyrillic | R99 | 3.1 | C111 | C111 | C111 | C111 | C111 | C111 | C111 | C111 | E.1/71 AND | Yes | | |
| | | | | AND | AND | AND | AND | AND | AND | AND | AND | E.1/15 AND | | | |
| | | | | C118 | C118 | C118 | C118 | C118 | C118 | C118 | C118 | E.1/110 AND | | | |
| | | | | AND | AND | AND | AND | AND | AND | AND | AND | E.1/111 | | | |
| | | | | C177 | C177 | C177 | C177 | C177 | C177 | C177 | C177 | | | | |
| | | | | AND C178 | AND C178 | AND C178 | AND | AND C178 | AND C178 | AND C178 | AND C178 | | | | |
| | Icons – basic icon | R99 | 4.1, 4.2 | C178 | C178 | C178 | C178 C115 | C178 | C178 | C178 | C178 | E.1/71 AND | Yes | + | |
| | ICO119 — DASIC ICO11 | Kaa | 4.1, 4.2 | AND | AND | AND | AND | AND | AND | AND | AND | E.1/110 AND | 165 | | |
| | | | | C177 | C177 | C177 | C177 | C177 | C177 | C177 | C177 | E.1/110 AND | | | |
| | | | | AND | AND | AND | AND | AND | AND | AND | AND | 2.1/111 | | | |
| | | | | | | C178 | | C178 | C178 | C178 | C178 | | | | |

| | Description | Re- | Test | Rel | Rel-4 | Rel-5 | Rel-6 | Rel-7 | Rel-8 | Rel-9 | Rel- | Terminal | Network | Sup- | Additional test case |
|---|-----------------------------------|-------|----------|-----|-------|-------|-------|-------|-------|-------|------|-------------|----------|------|----------------------|
| | 2000 | lease | sequence | 99 | ME | ME | ME | ME | ME | ME | 10 | Profile | Dependen | port | execution parameter |
| | | | (s) | ME | | | | | | | ME | | су | Post | oxecument parameter |
| | Text attribute – left alignment | Rel-5 | 5.1 | | | C111 | C111 | C111 | C111 | C111 | C111 | E.1/71 AND | Yes | | |
| | 3 | | | | | AND | AND | AND | AND | AND | AND | E.1/124 AND | | | |
| | | | | | | C153 | C153 | C153 | C153 | C153 | C153 | E.1/217 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/110 AND | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/111 | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | | | | |
| | | | | | | C178 | C178 | C178 | C178 | C178 | C178 | | | | |
| Ī | Text attribute – center alignment | Rel-5 | 5.2 | | | C111 | C111 | C111 | C111 | C111 | C111 | E.1/71 AND | Yes | | |
| | · · | | | | | AND | AND | AND | AND | AND | AND | E.1/124 AND | | | |
| | | | | | | C154 | C154 | C154 | C154 | C154 | C154 | E.1/218 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/110 AND | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/111 | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | | | | |
| | | | | | | C178 | C178 | C178 | C178 | C178 | C178 | | | | |
| Ī | Text attribute – right alignment | Rel-5 | 5.3 | | | C111 | C111 | C111 | C111 | C111 | C111 | E.1/71 AND | Yes | | |
| | 0 0 | | | | | AND | AND | AND | AND | AND | AND | E.1/124 AND | | | |
| | | | | | | C155 | C155 | C155 | C155 | C155 | C155 | E.1/219 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/110 AND | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E.1/111 | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | | | | |
| | | | | | | C178 | C178 | C178 | C178 | C178 | C178 | | | | |
| Ī | Text attribute – large font size | Rel-5 | 5.4 | | | C111 | C111 | C111 | C111 | C111 | C111 | E.1/71 AND | Yes | | |
| | · · | | | | | AND | AND | AND | AND | AND | AND | E.1/124 AND | | | |
| | | | | | | C157 | C157 | C157 | C157 | C157 | C157 | E.1/221 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/220 AND | | | |
| | | | | | | C156 | C156 | C156 | C156 | C156 | C156 | E.1/110 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/111 | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | | | | |
| | | | | | | C178 | C178 | C178 | C178 | C178 | C178 | | | | |
| Ţ | Text attribute – small font size | Rel-5 | 5.5 | | | C111 | C111 | C111 | C111 | C111 | C111 | E.1/71 AND | Yes | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/124 AND | | | |
| | | | | | | C158 | C158 | C158 | C158 | C158 | C158 | E.1/222 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/220 AND | | | |
| l | | | | | | C156 | C156 | C156 | C156 | C156 | C156 | E.1/110 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/111 | | | |
| ļ | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | | | | |
| l | | | | | | AND | AND | AND | AND | AND | AND | | | | |
| | | | | | | C178 | | C178 | C178 | C178 | C178 | | | | |

72

73

| Item | Description | Re- | Test | Rel | Rel-4 | Rel-5 | Rel-6 | Rel-7 | Rel-8 | Rel-9 | Rel- | Terminal | Network | Sup- | Additional test case |
|------|-----------------------------------|--------|----------|-----|-------|-------------|-------------|-------------|-------------|-------------|-------------|------------------------|----------|------|----------------------|
| | • | lease | sequence | 99 | ME | ME | ME | ME | ME | ME | 10 | Profile | Dependen | port | execution parameter |
| | | | (s) | ME | | | | | | | ME | | су | | |
| | Text attribute – bold on | Rel-5 | 5.6 | | | C111 | C111 | C111 | C111 | C111 | C111 | E.1/71 AND | Yes | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/124 AND | | | |
| | | | | | | C160 | C160 | C160 | C160 | C160 | C160 | E.1/225 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/226 AND | | | |
| | | | | | | C159 | C159 | C159 | C159 | C159 | C159 | E.1/110 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/111 | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | | | | |
| | | | | 1 | - | C178 | C178 | C178 | C178 | C178 | C178 | | | | |
| | Text attribute – italic on | Rel-5 | 5.7 | | | C111 | C111 | C111 | C111 | C111 | C111 | E.1/71 AND | Yes | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/124 AND | | | |
| | | | | | | C161 | C161 | C161 | C161 | C161 | C161 | E.1/225 AND | | | |
| | | | | | | AND | AND | AND C159 | AND C159 | AND C159 | AND | E.1/227 AND | | | |
| | | | | | | C159 AND | C159 AND | AND | AND | AND | C159 AND | E.1/110 AND E.1/111 | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | E. 1/ 1 1 1 | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | | | | |
| | | | | | | C178 | | C178 | C178 | C178 | C178 | | | | |
| | Text attribute – underline on | Rel-5 | 5.8 | | | C111 | C111 | C111 | C111 | C111 | C176 | E.1/71 AND | Yes | | |
| | Text attribute – driderilile on | 1761-3 | 3.6 | | | AND | AND | AND | AND | AND | AND | E.1/124 AND | 163 | | |
| | | | | | | C162 | C162 | C162 | C162 | C162 | C162 | E.1/225 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/228 AND | | | |
| | | | | | | C159 | C159 | C159 | C159 | C159 | C159 | E.1/110 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/111 | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | | | | |
| | | | | | | C178 | | C178 | C178 | C178 | C178 | | | | |
| | Text attribute – strikethrough on | Rel-5 | 5.9 | | | C111 | C111 | C111 | C111 | C111 | C111 | E.1/71 AND | Yes | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/124 AND | | | |
| | | | | | | C163 | C163 | C163 | C163 | C163 | C163 | E.1/225 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/229 AND | | | |
| | | | | | | C159 | C159 | C159 | C159 | C159 | C159 | E.1/110 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/111 | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | | | | |
| | | | | | 1 | C178 | C178 | C178 | C178 | C178 | C178 | | | | |

| Item | Description | Re- | Test | Rel | Rel-4 | Rel-5 | Rel-6 | Rel-7 | Rel-8 | Rel-9 | Rel- | Terminal | Network | Sup- | Additional test case |
|------|------------------------------------|-------|-----------------|----------|-------|--------------|--------------|-------|-------|-------|--------------|--------------------------|------------------------|------|----------------------|
| | | lease | sequence (s) | 99 ME | ME | ME | ME | ME | ME | ME | 10 ME | Profile | Dependen cy | port | execution parameter |
| | Text attribute – foreground and | Rel-5 | 5.10 | | | C111 | C111 | C111 | C111 | C111 | C111 | E.1/71 AND | Yes | | |
| | background colours | | | | | AND | AND | AND | AND | AND | AND | E.1/124 AND | | | |
| | | | | | | C164 | C164 | C164 | C164 | C164 | C164 | E.1/230 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/231 AND | | | |
| | | | | | | C165 | C165 | C165 | C165 | C165 | C165 | E.1/110 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/111 | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | | | | |
| | | | | | | C178 | C178 | C178 | C178 | C178 | C178 | | | | |
| | UCS2 display in Chinese | R99 | 6.1 | | | C111 | C111 | C111 | C111 | C111 | C111 | E.1/71 AND | Yes | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/15 AND | | | |
| | | | | | | C143 | | C143 | C143 | C143 | C143 | E.1/110 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/111 | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | | | | |
| | LICCO diamber in Katakana | R99 | 7.1 | - | - | C178 C111 | C178 C111 | C178 | C178 | C178 | C178 C111 | E.1/71 AND | Yes | | |
| | UCS2 display in Katakana | K99 | 7.1 | | | AND | AND | AND | AND | AND | AND | E.1/11 AND E.1/15 AND | res | | |
| | | | | | | C145 | C145 | C145 | C145 | C145 | C145 | E.1/110 AND | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/111 | | | |
| | | | | | | C177 | C177 | C177 | C177 | C177 | C177 | □. I/ I I I | | | |
| | | | | | | AND | AND | AND | AND | AND | AND | | | | |
| | | | | | | C178 | C178 | C178 | C178 | C178 | C178 | | | | |
| | Frames | Rel-6 | TBD | | | 0170 | 0170 | 0170 | 0170 | 0170 | 0170 | E.1/71 AND | TBD | | |
| | Tamos | 11010 | 100 | | | | | | | | | E.1/177 AND | 100 | | |
| | | | | | | | | | | | | E.1/178 AND | | | |
| | | | | | | | | | | | | E.1/110 AND | | | |
| | | | | | | | | | | | | E.1/111 | | | |
| 31 | OPEN CHANNEL 27.22.4.27 | | | | | | | | | | | | | | |
| | void | R99 | void | Void | void | void | void | void | void | void | void | void | | | |
| | immediate link establishment, | R99 | 2.1 | C121 | C121 | C121 | C121 | C121 | C121 | C121 | C121 | E.1/89 AND | UMTS | | AER001 |
| | GPRS, no local address, no alpha | | | | | | | | AND | AND | AND | E.1/98 | System | | |
| | identifier, no network access name | | | | | | | | C183 | C183 | C183 | | Simulator | | |
| | | | | | | | | | | | | | or System | | |
| | | | | | | | | | | | | | Simulator | | |
| | P C P L C P L | Dec | 0.0 | 0404 | 0404 | 0404 | 0404 | 0404 | 0404 | 0404 | 0404 | E 4/00 11/5 | only | | AFROSS |
| | immediate link establishment | R99 | 2.2 | C121 | C121 | C121 | C121 | C121 | C121 | C121 | C121 | E.1/89 AND | UMTS | | AER006 |
| | GPRS, no alpha identifier, with | | | | | | | | AND | AND | AND | E.1/98 | System | | |
| | network access name | | | | | | | | C183 | C183 | C183 | | Simulator | | |
| | | | | | | | | | | | | | or System Simulator | | |
| | | | | | | | | | | | | | | | |
| | | | | I | 1 | 1 | 1 | | 1 | | 1 | | only | 1 | |

| Item | Description | Re- lease | Test sequence (s) | Rel 99 ME | Rel-4 ME | Rel-5 ME | Rel-6 ME | Rel-7 ME | Rel-8 ME | Rel-9 ME | Rel- 10 ME | Terminal Profile | Network Dependen cy | Sup- port | Additional test case execution parameter |
|------|--|--------------|-------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|--|--|--|---|---|--------------|--|
| | immediate link establishment, GPRS, with alpha identifier | R99 | 2.3 | C121 | C121 | C121 | C121 | C121 | C121 AND C183 | C121 AND C183 | C121 AND C183 | E.1/89 AND E.1/98 AND E.1/110 AND E.1/111 | UMTS System Simulator or System Simulator only | | TCEP001, TCEP002, AER005 |
| | immediate link establishment, GPRS, with null alpha identifier | R99 | 2.4 | C121 | C121 | C121 | C121 | C121 | C121 AND C183 | C121 AND C183 | C121 AND C183 | E.1/89 AND E.1/98 | UMTS System Simulator or System Simulator only | | TCEP001 |
| | immediate link establishment, GPRS, command performed with modifications (buffer size) | R99 | 2.5 | | | C152 | C152 | C152 | C152 AND C183 | C152 AND C183 | C152 AND C183 | E.1/89 AND E.1/98 | UMTS System Simulator or System Simulator only | | |
| | void immediate link establishment, GPRS, open command with alpha identifier, User did not accept the proactive command | void R99 | 2.6 | Void C169 AND C177 | void C169 AND C177 | void C169 AND C177 | void C169 AND C177 | void C169 AND C177 | Void C169 AND C183 AND C177 | Void C169 AND C183 AND C177 | Void C169 AND C183 AND C177 | void E.1/89 AND E.1/98 AND E.1/110 AND E.1/111 | UMTS System Simulator or System Simulator only | | TCEP001, TCEP002, AER007 |
| | void OPEN CHANNEL, immediate link establishment, no alpha identifier, with network access name | void R99 | 2.8 | Void | void | void | void | void | Void | Void C191 AND C183 | Void C191 AND C183 | void E.1/89 AND E.1/98 AND E.1/129 AND E.1/110 AND E.1/111 | UMTS System Simulator or System Simulator only | | |
| | Multi OPEN CHANNEL, one in TCP Server mode and one in TCP Client mode. | Rel-7 | 2.10 | | | | | | | C192 AND C183 | C192 AND C183 | E.1/89 AND E.1/98 AND E.1/129 AND E.1/131 | UMTS System Simulator or System Simulator only | | |
| | Default bearer | R99 | TBD | | | | | | | | | E.1/89 AND E.1/98 AND C132 | TBD | | |
| | Local Bearer | Rel-4 | TBD | | | | | | | | | E.1/89 AND E.1/98 AND C132 | TBD | | |

76

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

| 1 | Description | Re- | Test | Rel | Rel-4 | Rel-5 | Rel-6 | Rel-7 | Rel-8 | Rel-9 | Rel- | Terminal | Network | Sup- | Additional test case |
|-------|-------------------------------------|--------|----------|-----|----------|-------|--------|-------------|-------------|-------------|-------------|----------------------------|-----------|------|----------------------|
| | | lease | sequence | 99 | ME | ME | ME | ME | ME | ME | 10 | Profile | Dependen | port | execution parameter |
| 4 | | 5.5 | (s) | ME | - | 0.101 | 0.10.1 | 0404 | 0404 | 0404 | ME | E 4/00 AND | су | | T050004 T050000 |
| | Text attribute – italic on | Rel-5 | 5.7 | | | C121 | C121 | C121 | C121 | C121 | C121 | E.1/89 AND | UMTS | | TCEP001, TCEP002 |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/98 AND | System | | |
| | | | | | | C161 | C161 | C161 | C161 | C161 | C161 | E.1/124 AND | Simulator | | |
| | | | | | | AND | AND | AND C159 | AND C159 | AND C159 | AND C159 | E.1/225 AND | or System | | |
| | | | | | | C159 | C159 | C159 | AND | AND | AND | E.1/227 AND E.1/110 AND | Simulator | | |
| | | | | | | | | | C183 | C183 | C183 | E.1/110 AND E.1/111 | only | | |
| F | ext attribute – underline on | Rel-5 | 5.8 | | | C121 | C121 | C121 | C121 | C121 | C121 | E.1/89 AND | UMTS | | TCEP001, TCEP002 |
| - [' | ext attribute – underline on | Kei-5 | 5.6 | | | AND | AND | AND | AND | AND | AND | E.1/98 AND | System | | TCEP001, TCEP002 |
| | | | | | | C162 | C162 | C162 | C162 | C162 | C162 | E.1/124 AND | Simulator | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/124 AND E.1/225 AND | or System | | |
| | | | | | | C159 | C159 | C159 | C159 | C159 | C159 | E.1/228 AND | Simulator | | |
| | | | | | | C139 | C139 | C139 | AND | AND | AND | E.1/110 AND | only | | |
| | | | | | | | | | C183 | C183 | C183 | E.1/111 | Offig | | |
| h | ext attribute – strikethrough on | Rel-5 | 5.9 | | | C121 | C121 | C121 | C121 | C121 | C103 | E.1/89 AND | UMTS | | TCEP001, TCEP002 |
| ' | ext attribute – striketi irougir on | 1161-3 | 5.9 | | | AND | AND | AND | AND | AND | AND | E.1/98 AND | System | | 10L1 001, 10L1 002 |
| | | | | | | C163 | C163 | C163 | C163 | C163 | C163 | E.1/124 AND | Simulator | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/225 AND | or System | | |
| | | | | | | C159 | C159 | C159 | C159 | C159 | C159 | E.1/229 AND | Simulator | | |
| | | | | | | 0100 | 0100 | 0100 | AND | AND | AND | E.1/110 AND | only | | |
| | | | | | | | | | C183 | C183 | C183 | E.1/111 | Offiny | | |
| h | ext attribute – foreground and | Rel-5 | 5.10 | | | C121 | C121 | C121 | C121 | C121 | C121 | E.1/89 AND | UMTS | | TCEP001, TCEP002 |
| | packground colours | 11010 | 0.10 | | | AND | AND | AND | AND | AND | AND | E.1/98 AND | System | | 1021 001, 1021 002 |
| ľ | ading carra colours | | | | | C164 | C164 | C164 | C164 | C164 | C164 | E.1/124 AND | Simulator | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/230 AND | or System | | |
| | | | | | | C165 | C165 | C165 | C165 | C165 | C165 | E.1/231 AND | Simulator | | |
| | | | | | | | | | AND | AND | AND | E.1/110 AND | only | | |
| | | | | | | | | | C183 | C183 | C183 | E.1/111 | , | | |
| F | rames | Rel-6 | TBD | | | | | | | | | E.1/89 AND | TBD | | |
| | | | | | | | | | | | | E.1/98 AND | | | |
| | | | | | | | | | | | | E.1/177 AND | | | |
| | | | | | | | | | | | | E.1/178 AND | | | |
| | | | | | | | | | | | | E.1/110 AND | | | |
| | | | | | | | | | | | | E.1/111 | | | |
| | mmediate link establishment, E- | Rel-8 | 6.1 | | | | | | C182 | C182 | C182 | E.1/89 AND | E-USS | | |
| | JTRAN, bearer type '02' | | | | <u> </u> | | | | | | | E.1/135 | only | | |
| I | mmediate link establishment, E- | Rel-8 | 6.2 | | | | | | C182 | C182 | C182 | E.1/89 AND | E-USS | | |
| ι | JTRAN, bearer type '0B' | | | | | | | | | | | E.1/135 | only | | |
| I | mmediate link establishment, E- | Rel-8 | 6.3 | | | | | | C182 | C182 | C182 | E.1/89 AND | E-USS | | TCEP001, TCEP002 |
| | JTRAN, bearer type '02', with | | | | | | | | | | | E.1/110 AND | only | | |
| | Network Access Name, with alpha | | | | | | | | | | | E.1/111 AND | | | |
| i | dentifier | | | | | | | | | | | E.1/135 | | | |

| Item | Description | Re- lease | Test sequence (s) | Rel 99 ME | Rel-4 ME | Rel-5 ME | Rel-6 ME | Rel-7 ME | Rel-8 ME | Rel-9 ME | Rel- 10 ME | Terminal Profile | Network Dependen cy | Sup- port | Additional test case execution parameter |
|------|---|--------------|-------------------|-----------------|-------------|---------------------|---------------------|---------------------|------------------------------------|------------------------------------|------------------------------------|---|--|--------------|--|
| | Immediate link establishment, E- UTRAN, bearer type '03', with alpha identifier, user did not accept the proactive command | Rel-8 | 6.4 | | | | | | C182 AND C177 | C182 AND C177 | C182 AND C177 | E.1/89 AND E.1/110 AND E.1/111 AND E.1/135 | E-USS only | | |
| | Immediate link establishment, E- UTRAN, bearer type '03', default EPS bearer | Rel-8 | 6.5 | | | | | | C182 | C182 | C182 | E.1/89 AND E.1/135 | E-USS only | | |
| 32 | CLOSE CHANNEL 27.22.4.28 | | | | | | | | | | | | | | |
| | successful | R99 | 1.1 | C121 | | C121 | C121 | C121 | C121 AND C183 | C121 AND C183 | C121 AND C183 | E.1/89 AND E.1/90 | UMTS System Simulator or System Simulator only | | |
| | with an invalid channel identifier | R99 | 1.2 | C121 | C121 | C121 | C121 | C121 | C121 AND C183 | C121 AND C183 | C121 AND C183 | E.1/89 AND E.1/90 | UMTS System Simulator or System Simulator only | | |
| | on an already closed channel | R99 | 1.3 | C121 | C121 | C121 | C121 | C121 | C121 AND C183 | C121 AND C183 | C121 AND C183 | E.1/90 | UMTS System Simulator or System Simulator only | | |
| | Text attribute – left alignment | Rel-5 | 2.1 | | | C121 AND C153 | C121 AND C153 | C121 AND C153 | C121 AND C153 AND C183 | C121 AND C153 AND C183 | C121 AND C153 AND C183 | E.1/89 AND E.1/90 AND E.1/124 AND E.1/217 AND E.1/110 | UMTS System Simulator or System Simulator only | | TCEP001 |
| | Text attribute – center alignment | Rel-5 | 2.2 | | | C121 AND C154 | C121 AND C154 | C121 AND C154 | C121 AND C154 AND C183 | C121 AND C154 AND C183 | C121 AND C154 AND C183 | E.1/89 AND E.1/90 AND E.1/124 AND E.1/218 AND E.1/110 | UMTS System Simulator or System Simulator only | | TCEP001 |
| | Text attribute – right alignment | Rel-5 | 2.3 | | | C121 AND C155 | C121 AND C155 | C121 AND C155 | C121 AND C155 AND C183 | C121 AND C155 AND C183 | C121 AND C155 AND C183 | E.1/89 AND E.1/90 AND E.1/124 AND E.1/219 AND E.1/110 | UMTS System Simulator or System Simulator only | | TCEP001 |

| 1 | Description | Re- lease | Test sequence | Rel 99 | Rel-4 ME | Rel-5 ME | Rel-6 ME | Rel-7 ME | Rel-8 ME | Rel-9 ME | Rel- 10 | Terminal Profile | Network Dependen | Sup- port | Additional test case execution parameter |
|---|-----------------------------------|--------------|---------------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|----------------------------|---------------------|--------------|--|
| | | loudo | (s) | ME | | | | | | | ME | 1 101110 | су | Port | CACCULION purumotor |
| | Text attribute – large font size | Rel-5 | 2.4 | | | C121 | C121 | C121 | C121 | C121 | C121 | E.1/89 AND | UMTS | | TCEP001 |
| | - | | | | | AND | AND | AND | AND | AND | AND | E.1/90 AND | System | | |
| | | | | | | C157 | C157 | C157 | C157 | C157 | C157 | E.1/124 AND | Simulator | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/221 AND | or System | | |
| | | | | | | C156 | C156 | C156 | C156 | C156 | C156 | E.1/220 AND | Simulator | | |
| | | | | | | | | | AND | AND | AND | E.1/110 | only | | |
| | | | | | | | | | C183 | C183 | C183 | | | | |
| | Text attribute – small font size | Rel-5 | 2.5 | | | C121 | C121 | C121 | C121 | C121 | C121 | E.1/89 AND | UMTS | | TCEP001 |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/90 AND | System | | |
| | | | | | | C158 | C158 | C158 | C158 | C158 | C158 | E.1/124 AND | Simulator | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/222 AND | or System | | |
| | | | | | | C156 | C156 | C156 | C156 | C156 | C156 | E.1/220 AND | Simulator | | |
| | | | | | | | | | AND | AND | AND | E.1/110 | only | | |
| | | | | | | 0.0. | | | C183 | C183 | C183 | = ./22 | | | |
| | Text attribute – bold on | Rel-5 | 2.6 | | | C121 | C121 | C121 | C121 | C121 | C121 | E.1/89 AND | UMTS | | TCEP001 |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/90 AND | System | | |
| | | | | | | C160 | C160 | C160 | C160 | C160 | C160 | E.1/124 AND | Simulator | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/225 AND | or System | | |
| | | | | | | C159 | C159 | C159 | C159 | C159 AND | C159 AND | E.1/226 AND | Simulator | | |
| | | | | | | | | | AND C183 | C183 | C183 | E.1/110 | only | | |
| | Tank attributa italia an | Dale | 2.7 | | | C404 | 0404 | C404 | C121 | C121 | | E.1/89 AND | UMTS | | TCEP001 |
| | Text attribute – italic on | Rel-5 | 2.7 | | | C121 AND | C121 AND | C121 AND | AND | AND | C121 AND | E.1/90 AND | | | I CEPOUT |
| | | | | | | C161 | C161 | C161 | C161 | C161 | C161 | E.1/124 AND | System Simulator | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/124 AND E.1/225 AND | or System | | |
| | | | | | | C159 | C159 | C159 | C159 | C159 | C159 | E.1/227 AND | Simulator | | |
| | | | | | | 0133 | 0139 | 0133 | AND | AND | AND | E.1/110 | only | | |
| | | | | | | | | | C183 | C183 | C183 | L.1/110 | Offiny | | |
| | Text attribute – underline on | Rel-5 | 2.8 | | | C121 | C121 | C121 | C121 | C121 | C121 | E.1/89 AND | UMTS | | TCEP001 |
| | Toxt dampate and office | 110.0 | 2.0 | | | AND | AND | AND | AND | AND | AND | E.1/90 AND | System | | . 32. 33. |
| | | | | | | C162 | C162 | C162 | C162 | C162 | C162 | E.1/124 AND | Simulator | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/225 AND | or System | | |
| | | | | | | C159 | C159 | C159 | C159 | C159 | C159 | E.1/228 AND | Simulator | | |
| | | | | | | | | | AND | AND | AND | E.1/110 | only | | |
| | | | | | | | | | C183 | C183 | C183 | | | | |
| | Text attribute – strikethrough on | Rel-5 | 2.9 | | | C121 | C121 | C121 | C121 | C121 | C121 | E.1/89 AND | UMTS | | TCEP001 |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/90 AND | System | | |
| | | | | | | C163 | C163 | C163 | C163 | C163 | C163 | E.1/124 AND | Simulator | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/225 AND | or System | | |
| | | | | | | C159 | C159 | C159 | C159 | C159 | C159 | E.1/229 AND | Simulator | | |
| | | | | | | | | | AND | AND | AND | E.1/110 | only | | |
| | | | | | | | | | C183 | C183 | C183 | | | | |

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

| m | Description | Re- | Test | Rel | Rel-4 | Rel-5 | Rel-6 | Rel-7 | Rel-8 | Rel-9 | Rel- | Terminal | Network | Sup- | Additional test case |
|---|-----------------------------------|-------|----------|-----|-------|-------------|-------------|-------------|-------------|-------------|-------------|----------------------------|---------------------|------|----------------------|
| | · | lease | sequence | 99 | ME | ME | ME | ME | ME | ME | 10 | Profile | Dependen | port | execution parameter |
| | | | (s) | ME | | | | | | | ME | | су | _ | - |
| | Text attribute – large font size | Rel-5 | 2.4 | | | C121 | C121 | C121 | C121 | C121 | C121 | E.1/89 AND | UMTS | | TCEP001 |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/91 AND | System | | |
| | | | | | | C157 | C157 | C157 | C157 | C157 | C157 | E.1/124 AND | Simulator | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/221 AND | or System | | |
| | | | | | | C156 | C156 | C156 | C156 | C156 | C156 | E.1/220 AND | Simulator | | |
| | | | | | | | | | AND | AND | AND | E.1/110 | only | | |
| | | | | | | | | | C183 | C183 | C183 | | | | |
| | Text attribute – small font size | Rel-5 | 2.5 | | | C121 | C121 | C121 | C121 | C121 | C121 | E.1/89 AND | UMTS | | TCEP001 |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/91 AND | System | | |
| | | | | | | C158 | C158 | C158 | C158 | C158 | C158 | E.1/124 AND | Simulator | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/222 AND | or System | | |
| | | | | | | C156 | C156 | C156 | C156 | C156 | C156 | E.1/220 AND | Simulator | | |
| | | | | | | | | | AND | AND | AND | E.1/110 | only | | |
| | Tank attallanta - Labelan | D-1-5 | 0.0 | | | 0404 | 0404 | 0404 | C183 | C183 | C183 | E 4/00 AND | LIMITO | | TOFFDOOL |
| | Text attribute – bold on | Rel-5 | 2.6 | | | C121 | C121 AND | C121 AND | C121 AND | C121 AND | C121 AND | E.1/89 AND | UMTS | | TCEP001 |
| | | | | | | AND C160 | C160 | C160 | C160 | C160 | C160 | E.1/91 AND E.1/124 AND | System Simulator | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/124 AND E.1/225 AND | or System | | |
| | | | | | | C159 | C159 | C159 | C159 | C159 | C159 | E.1/226 AND | Simulator | | |
| | | | | | | 0139 | 0139 | 0139 | AND | AND | AND | E.1/110 | only | | |
| | | | | | | | | | C183 | C183 | C183 | L.1/110 | Offiny | | |
| | Text attribute – italic on | Rel-5 | 2.7 | | | C121 | C121 | C121 | C121 | C121 | C121 | E.1/89 AND | UMTS | | TCEP001 |
| | Tox attribute Italie on | 11010 | 2.7 | | | AND | AND | AND | AND | AND | AND | E.1/91 AND | System | | 1021 001 |
| | | | | | | C161 | C161 | C161 | C161 | C161 | C161 | E.1/124 AND | Simulator | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/225 AND | or System | | |
| | | | | | | C159 | C159 | C159 | C159 | C159 | C159 | E.1/227 AND | Simulator | | |
| | | | | | | | | | AND | AND | AND | E.1/110 | only | | |
| | | | | | | | | | C183 | C183 | C183 | | | | |
| | Text attribute – underline on | Rel-5 | 2.8 | | | C121 | C121 | C121 | C121 | C121 | C121 | E.1/89 AND | UMTS | | TCEP001 |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/91 AND | System | | |
| | | | | | | C162 | C162 | C162 | C162 | C162 | C162 | E.1/124 AND | Simulator | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/225 AND | or System | | |
| | | | | | | C159 | C159 | C159 | C159 | C159 | C159 | E.1/228 AND | Simulator | | |
| | | | | | | | | | AND | AND | AND | E.1/110 | only | | |
| | | | | | | | | | C183 | C183 | C183 | | | | |
| | Text attribute – strikethrough on | Rel-5 | 2.9 | | | C121 | C121 | C121 | C121 | C121 | C121 | E.1/89 AND | UMTS | | TCEP001 |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/91 AND | System | | |
| | | | | | | C163 | C163 | C163 | C163 | C163 | C163 | E.1/124 AND | Simulator | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/225 AND | or System | | |
| | | | | | | C159 | C159 | C159 | C159 | C159 | C159 | E.1/229 AND | Simulator | | |
| | | | | | | | | | AND | AND | AND | E.1/110 | only | | |
| | | 1 | | | 1 | 1 | l | | C183 | C183 | C183 | | | 1 | |

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

| Item | Description | Re- | Test | Rel | Rel-4 | Rel-5 | Rel-6 | Rel-7 | Rel-8 | Rel-9 | Rel- | Terminal | Network | Sup- | Additional test case |
|------|-----------------------------------|-------|-----------------|----------|-------|-------------|-------------|-------------|-------------|-------------|-------------|----------------------------|---------------------|------|----------------------|
| | | lease | sequence (s) | 99 ME | ME | ME | ME | ME | ME | ME | 10 ME | Profile | Dependen cy | port | execution parameter |
| | immediate mode with a bad | R99 | 1.5 | C121 | C121 | C121 | C121 | C121 | C121 | C121 | C121 | E.1/89 AND | UMTS | | |
| | channel identifier | | | | | | | | AND | AND | AND | E.1/92 | System | | |
| | | | | | | | | | C183 | C183 | C183 | | Simulator | | |
| | | | | | | | | | | | | | or System | | |
| | | | | | | | | | | | | | Simulator only | | |
| | void | | | | | | | | | | | | • | | |
| | Text attribute- left alignment | Rel-5 | 2.1 | | | C121 | C121 | C121 | C121 | C121 | C121 | E.1/89 AND | UMTS | | TCEP001 |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/92 AND | System | | |
| | | | | | | C153 | C153 | C153 | C153 | C153 | C153 | E.1/124 AND | Simulator | | |
| | | | | | | | | | AND | AND | AND | E.1/217 AND | or System | | |
| | | | | | | | | | C183 | C183 | C183 | E.1/110 | Simulator only | | |
| | Text attribute – center alignment | Rel-5 | 2.2 | | | C121 | C121 | C121 | C121 | C121 | C121 | E.1/89 AND | UMTS | | TCEP001 |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/92 AND | System | | |
| | | | | | | C154 | C154 | C154 | C154 | C154 | C154 | E.1/124 AND | Simulator | | |
| | | | | | | | | | AND | AND | AND | E.1/218 AND | or System | | |
| | | | | | | | | | C183 | C183 | C183 | E.1/110 | Simulator only | | |
| | Text attribute – right alignment | Rel-5 | 2.3 | | | C121 | C121 | C121 | C121 | C121 | C121 | E.1/89 AND | UMTS | | TCEP001 |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/92 AND | System | | |
| | | | | | | C155 | C155 | C155 | C155 | C155 | C155 | E.1/124 AND | Simulator | | |
| | | | | | | | | | AND | AND | AND | E.1/219 AND | or System | | |
| | | | | | | | | | C183 | C183 | C183 | E.1/110 | Simulator | | |
| | | | | | | 0.15.1 | | 0.10.1 | 0.0. | 0.5. | | = | only | | |
| | Text attribute – large font size | Rel-5 | 2.4 | | | C121 | C121 AND | C121 | C121 AND | C121 AND | C121 | E.1/89 AND | UMTS | | TCEP001 |
| | | | | | | AND C157 | C157 | AND C157 | C157 | C157 | AND C157 | E.1/92 AND E.1/124 AND | System Simulator | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/124 AND E.1/221 AND | or System | | |
| | | | | | | C156 | C156 | C156 | C156 | C156 | C156 | E.1/221 AND | Simulator | | |
| | | | | | | 0100 | 0100 | 0100 | AND | AND | AND | E.1/110 | only | | |
| | | | | | | | | | C183 | C183 | C183 | | 0, | | |
| | Text attribute – small font size | Rel-5 | 2.5 | 1 | İ | C121 | C121 | C121 | C121 | C121 | C121 | E.1/89 AND | UMTS | | TCEP001 |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/92 AND | System | | |
| | | | | | | C158 | C158 | C158 | C158 | C158 | C158 | E.1/124 AND | Simulator | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/222 AND | or System | | |
| | | | | | | C156 | C156 | C156 | C156 | C156 | C156 | E.1/220 AND | Simulator | | |
| | | | | | | | | | AND | AND | AND | E.1/110 | only | | |
| | | | | | | | | | C183 | C183 | C183 | 1 | | | |

| | Description | Re- lease | Test sequence | Rel 99 | Rel-4 ME | Rel-5 ME | Rel-6 ME | Rel-7 ME | Rel-8 ME | Rel-9 ME | Rel- 10 ME | Terminal Profile | Network Dependen | Sup- port | Additional test case execution parameter |
|-------|----------------------------------|--------------|---------------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|------------------|--------------------------|---------------------|--------------|--|
| 4 | Ford attached balabas | D-1.5 | (s) 2.6 | ME | | 0404 | 0404 | 0404 | 0404 | 0404 | | E 4/00 AND | UMTS | | TOFPOOA |
| - ' | Text attribute – bold on | Rel-5 | 2.6 | | | C121 | C121 | C121 | C121 | C121 | C121 | E.1/89 AND | | | TCEP001 |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/92 AND | System | | |
| | | | | | | C160 | C160 | C160 | C160 | C160 | C160 | E.1/124 AND | Simulator | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/225 AND | or System | | |
| | | | | | | C159 | C159 | C159 | C159 | C159 | C159 | E.1/226 AND | Simulator | | |
| | | | | | | | | | AND | AND | AND | E.1/110 | only | | |
| L | | | | | 1 | 0.101 | | | C183 | C183 | C183 | = ./22= | | 1 | |
| | Text attribute – italic on | Rel-5 | 2.7 | | | C121 | C121 | C121 | C121 | C121 | C121 | E.1/89 AND | UMTS | | TCEP001 |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/92 AND | System | | |
| | | | | | | C161 | C161 | C161 | C161 | C161 | C161 | E.1/124 AND | Simulator | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/225 AND | or System | | |
| | | | | | | C159 | C159 | C159 | C159 | C159 | C159 | E.1/227 AND | Simulator | | |
| | | | | | | | | | AND | AND | AND | E.1/110 | only | | |
| | | | | | | | | | C183 | C183 | C183 | | | | |
| ٦ | Text attribute – underline on | Rel-5 | 2.8 | | | C121 | C121 | C121 | C121 | C121 | C121 | E.1/89 AND | UMTS | | TCEP001 |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/92 AND | System | | |
| | | | | | | C162 | C162 | C162 | C162 | C162 | C162 | E.1/124 AND | Simulator | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/225 AND | or System | | |
| | | | | | | C159 | C159 | C159 | C159 | C159 | C159 | E.1/228 AND | Simulator | | |
| | | | | | | | | | AND | AND | AND | E.1/110 | only | | |
| | | | | | | | | | C183 | C183 | C183 | | J, | | |
| ħ | ext attribute – strikethrough on | Rel-5 | 2.9 | | | C121 | C121 | C121 | C121 | C121 | C121 | E.1/89 AND | UMTS | | TCEP001 |
| ľ | om annound agri on | 110.0 | 0 | | | AND | AND | AND | AND | AND | AND | E.1/92 AND | System | | . 02. 00. |
| | | | | | | C163 | C163 | C163 | C163 | C163 | C163 | E.1/124 AND | Simulator | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/225 AND | or System | | |
| | | | | | | C159 | C159 | C159 | C159 | C159 | C159 | E.1/229 AND | Simulator | | |
| | | | | | | 0.00 | 0.00 | 0100 | AND | AND | AND | E.1/110 | only | | |
| | | | | | | | | | C183 | C183 | C183 | L.1/110 | Offiny | | |
| h | ext attribute- foreground and | Rel-5 | 2.10 | | | C121 | C121 | C121 | C121 | C121 | C121 | E.1/89 AND | UMTS | | TCEP001 |
| | packground colours | 1101-0 | 2.10 | | | AND | AND | AND | AND | AND | AND | E.1/92 AND | System | | 1021001 |
| 1 | ackground colours | | | | | C164 | C164 | C164 | C164 | C164 | C164 | E.1/124 AND | Simulator | | |
| | | | | | | AND | AND | AND | AND | AND | AND | E.1/230 AND | or System | | |
| | | | | | | C165 | C165 | C165 | C165 | C165 | C165 | E.1/231 AND | Simulator | | |
| | | | | | | C 103 | C 103 | C 103 | AND | AND | AND | E.1/110 | only | | |
| | | | | | | | | | C183 | C183 | C183 | E. 1/110 | Offig | | |
| F | rames | Rel-6 | TBD | - | 1 | + | - | | C103 | U103 | U103 | E.1/89 AND | TBD | + | |
| ı | Tailles | rei-o | עפו | | | | | | | | | E.1/89 AND E.1/92 AND | טפו | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | E.1/177 AND | | | |
| | | | | | | | | | | | | E.1/178 AND | | | |
| ŀ | and distance de LITDAN | D-L C | 0.4 | | | 1 | | | 0400 | 0400 | 0400 | E.1/110 | E 1100 | 1 | |
| | mmediate mode – E-UTRAN, | Rel-8 | 3.1 | | | | | | C182 | C182 | C182 | E.1/89 AND | E-USS | | |
| | Default EPS bearer | D | 0.5 | | 1 | 1 | | | 0455 | 0455 | 0455 | E.1/92 | only | 1 | |
| | Store mode – E-UTRAN, APN | Rel-8 | 3.2 | | | | | | C182 | C182 | C182 | E.1/89 AND | E-USS | | |
| C | lifferent from default APN | | | | | | I | | | I | | E.1/92 | only | | |

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

| Item | Description | Re- | Test | Rel | Rel-4 | Rel-5 | Rel-6 | Rel-7 | Rel-8 | Rel-9 | Rel- | Terminal | Network | Sup- | Additional test case |
|------|---|-------|---------------------------------------|---|---|---|---|---|--|--|--|--|---|------|----------------------|
| | | lease | sequence (s) | 99 ME | ME | ME | ME | ME | ME | ME | 10 ME | Profile | Dependen cy | port | execution parameter |
| | Cell Broadcast (UTRAN) - ME does not display message | Rel-5 | 1.4 | | | | | | | | | E.1/3 | UMTS System Simulator only | | |
| | Cell Broadcast (UTRAN) -More time | Rel-5 | 1.5 | | | | | | | | | E.1/3 AND E.1/20 | UMTS System Simulator only | | |
| | Cell Broadcast(UTRAN) - ME displays message | Rel-5 | 1.6 | | | | | | | | | E.1/3 | UMTS System Simulator only | | |
| | Cell Broadcast(GSM) - More time (UDH) | R99 | 1.7 | C201 | C201 | C201 | C201 | C201 | C201 | C201 | C201 | E.1/3 AND E.1/20 | System Simulator only | | |
| 38A | SMS-PP DATA DOWNLOAD 27.22.5.3 | | | | | | | | | | | | | | |
| | SMS-PP Data Download over IMS, E-UTRAN | Rel-8 | 3.1 | | | | | | C198 | C198 | C198 | E.1/2 | E-USS only | | TCEP001 |
| | SMS-PP Data Download over IMS, UTRAN | Rel-7 | 3.2 | | | | | C199 | C199 | C199 | C199 | E.1/2 | UMTS System Simulator only | | TCEP001 |
| 39 | CALL CONTROL BY USIM 27.22.6 | | | | | | | | | | | | Oilly | | |
| | Procedure for MO calls (Cell identity in envelope call control) | R99 | 1.1, 1.2, 1.4, 1.6, 1.8 to 1.14 | | | C180 | C180 | C180 | C180 AND C183 | C180 AND C183 | C180 AND C183 | E.1/7 AND E.1/8 AND E.1/10 AND E.1/11 AND E.1/13 AND E.1/29 AND E.1/64 | UMTS System Simulator or System Simulator only | | |
| | Procedure for MO calls (Cell identity in envelope call control) | R99 | 1.3 A, 1.5 A, 1.7 A | C140 AND C177 AND C178 AND C180 | C140 AND C177 AND C178 AND C180 | C140 AND C177 AND C178 AND C180 | C140 AND C177 AND C178 AND C180 | C140 AND C177 AND C178 AND C180 | C140 AND C177 AND C178 AND C180 AND C183 | C140 AND C177 AND C178 AND C180 AND C183 | C140 AND C177 AND C178 AND C180 AND C183 | E.1/7 AND E.1/8 AND E.1/10 AND E.1/11 AND E.1/13 AND E.1/29 AND E.1/64 AND E.1/110 AND E.1/111 | UMTS System Simulator or System Simulator only | | |

| 1 | Description | Re- | Test | Rel | Rel-4 | Rel-5 | Rel-6 | Rel-7 | Rel-8 | Rel-9 | Rel- | Terminal | Network | Sup- | Additional test case |
|---|------------------------------------|-------|-----------------|----------|-------|-------|-------|-------|-------------|-------------|-------------|----------------------|----------------|------|----------------------|
| | | lease | sequence (s) | 99 ME | ME | ME | ME | ME | ME | ME | 10 ME | Profile | Dependen cy | port | execution parameter |
| F | Procedure for MO calls (Cell | R99 | 1.3 B, | C141 | C141 | C141 | C141 | C141 | C141 | C141 | C141 | E.1/7 AND | UMTS | | |
| i | dentity in envelope call control) | | 1.7 B | AND | AND | AND | AND | AND | AND | AND | AND | E.1/8 AND | System | | |
| | | | | C177 | C177 | C177 | C177 | C177 | C177 | C177 | C177 | E.1/10 AND | Simulator | | |
| | | | | AND | AND | AND | AND | AND | AND | AND | AND | E.1/11 AND | or System | | |
| | | | | C178 | C178 | C178 | C178 | C178 | C178 | C178 | C178 | E.1/13 AND | Simulator | | |
| | | | | AND | AND | AND | AND | AND | AND | AND | AND | E.1/29 AND | only | | |
| | | | | C180 | C180 | C180 | C180 | C180 | C180 | C180 | C180 | E.1/64 AND | | | |
| | | | | | | | | | AND | AND | AND | E.1/110 AND | | | |
| L | | | | | | | | | C183 | C183 | C183 | E.1/111 | | | |
| | Procedure for MO calls (Cell | R99 | 1.5 B | C141 | C141 | C141 | C141 | C141 | C141 | C141 | C141 | E.1/7 AND | UMTS | | |
| ĺ | dentity in envelope call control) | | | AND | AND | AND | AND | AND | AND | AND | AND | E.1/8 AND | System | | |
| | | | | C180 | C180 | C180 | C180 | C180 | C180 | C180 | C180 | E.1/10 AND | Simulator | | |
| | | | | | | | | | AND | AND | AND | E.1/11 AND | or System | | |
| | | | | | | | | | C183 | C183 | C183 | E.1/13 AND | Simulator | | |
| | | | | | | | | | | | | E.1/29 AND E.1/64 | only | | |
| F | Procedure for SS (Cell identity in | R99 | 2.1, 2.2, | C174 | C174 | C174 | C174 | C174 | C174 | C174 | C174 | E.1/7 AND | UMTS | | |
| e | envelope call control) | | 2.3, 2.4 | | | | | | AND | AND | AND | E.1/8 AND | System | | |
| | | | | | | | | | C183 | C183 | C183 | E.1/10 AND | Simulator | | |
| | | | | | | | | | | | | E.1/11 AND | or System | | |
| | | | | | | | | | | | | E.1/13 AND | Simulator | | |
| | | | | | | | | | | | | E.1/64 | only | | |
| | nteraction with FDN (Cell identity | R99 | 3.1, 3.2, | C146 | C146 | C146 | C146 | C146 | C146 | C146 | C146 | E.1/7 AND | UMTS | | |
| i | n envelope call control) | | 3.3, 3.4, | AND | AND | AND | AND | AND | AND | AND | AND | E.1/8 AND | System | | |
| | | | 3.5 | C180 | C180 | C180 | C180 | C180 | C180 | C180 | C180 | E.1/10 AND | Simulator | | |
| | | | | | | | | | AND | AND | AND | E.1/11 AND | or System | | |
| | | | | | | | | | C183 | C183 | C183 | E.1/13 AND | Simulator | | |
| L | | | | | | | | | | | | E.1/64 | only | | |
| E | BDN service enabled | R99 | 4.1 | C147 | C147 | C147 | C147 | C147 | C147 | C147 | C147 | E.1/7 AND | UMTS | | |
| | | | | AND | AND | AND | AND | AND | AND | AND | AND | E.1/8 AND | System | | |
| | | | | C177 | C177 | C177 | C177 | C177 | C177 | C177 | C177 | E.1/10 AND | Simulator | | |
| | | | | AND | AND | AND | AND | AND | AND | AND | AND | E.1/11 AND | or System | | |
| | | | | C178 | C178 | C178 | C178 | C178 | C178 | C178 | C178 | E.1/13 AND | Simulator | | |
| | | | | AND | AND | AND | AND | AND | AND | AND | AND | E.1/64 AND | only | | |
| | | | | C180 | C180 | C180 | C180 | C180 | C180 | C180 | C180 | E.1/110 AND | | | |
| | | | | | | | | | AND C183 | AND C183 | AND C183 | E.1/111 | | | |
| E | BDN service enabled, interaction | R99 | 4.2A | C147 | | | | | | | | E.1/7 AND | UMTS | | |
| | with emergency call codes, R99 | | | AND | | | | | | | | E.1/8 AND | System | | |
| | only | | | C180 | | | | | | | | E.1/10 AND | Simulator | | |
| | • | | | | | | | | | | | E.1/11 AND | or System | | |
| | | | | | | | | | | | | E.1/13 AND | Simulator | | |
| | | | | | | | | | | | | E.1/64 | only | | |

| Item | Description | Re- | Test | Rel | Rel-4 | Rel-5 | Rel-6 | Rel-7 | Rel-8 | Rel-9 | Rel- | Terminal | Network | Sup- | Additional test case |
|------|--|-------|-----------------|---|---------------------|---|---|---|--|--|--|---|---|------|----------------------|
| | | lease | sequence (s) | 99 ME | ME | ME | ME | ME | ME | ME | 10 ME | Profile | Dependen cy | port | execution parameter |
| | BDN service enabled, interaction with emergency call codes, Rel-4+ | Rel-4 | 4.2B | | C147 AND C180 | C147 AND C180 | C147 AND C180 | C147 AND C180 | C147 AND C180 AND C183 | C147 AND C180 AND C183 | C147 AND C180 AND C183 | E.1/7 AND E.1/8 AND E.1/10 AND E.1/11 AND E.1/13 ND E.1/64 | UMTS System Simulator or System Simulator only | | |
| | FDN and BDN enabled, set up a call in EFFDN, Allowed with modifications | R99 | 4.3 | C146 AND C147 AND C177 AND C180 | AND | C146 AND C147 AND C177 AND C180 | C146 AND C147 AND C177 AND C180 | C146 AND C147 AND C177 AND C180 | C146 AND C147 AND C177 AND C180 AND C183 | C146 AND C147 AND C177 AND C180 AND C183 | C146 AND C147 AND C177 AND C180 AND C183 | E.1/7 AND E.1/8 AND E.1/10 AND E.1/11 AND E.1/13 AND E.1/64 AND E.1/110 | UMTS System Simulator or System Simulator only | | |
| | Call control on GPRS | Rel-5 | TBD | | | | | | | | | E.1/98 AND E.1/7 AND E.1/8 AND E.1/10 AND E.1/11 AND E.1/13 | TBD | | |
| | BDN service enabled, ME not supporting BDN | R99 | 5.1 | | | C176 AND C180 | C176 AND C180 | C176 AND C180 | C176 AND C180 AND C183 | C176 AND C180 AND C183 | C176 AND C180 AND C183 | E.1/7 AND E.1/8 AND E.1/10 AND E.1/11 AND E.1/13 AND E.1/64 | UMTS System Simulator or System Simulator only | | |
| | Call Control for EPS PDN connection activation, allowed without modification | Rel-8 | TBD | | | | | | | | | 2.1701 | TBD | | |
| | Call Control for EPS PDN connection activation, allowed with modification | Rel-8 | TBD | | | | | | | | | | TBD | | |
| | Call Control for EPS PDN connection activation, rejected | Rel-8 | TBD | | | | | | | | | | TBD | | |
| 40 | EVENT DOWNLOAD 27.22.7 27.22.7.1: MT call event | R99 | 1.1 | C180 | C180 | C180 | C180 | C180 | C180 AND C183 | C180 AND C183 | C180 AND C183 | E.1/34 AND E.1/33 | UMTS System Simulator or System Simulator only | | |

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

| Item | Description | Re- lease | Test sequence | Rel 99 | Rel-4 ME | Rel-5 ME | Rel-6 ME | Rel-7 ME | Rel-8 ME | Rel-9 ME | Rel- 10 | Terminal Profile | Network Dependen | Sup- port | Additional test case execution parameter |
|------|---|--------------|---------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------------------|------------------------|--------------|--|
| | | lease | (s) | ME | IVIL | IVIL | IVIL | IVIE | IVIE | IVIE | ME | Fione | СУ | port | execution parameter |
| | 27.22.7.9: Browser termination | R99 | 1.1 | | C193 | E.1/42 AND | Yes | | |
| | event | | | AND | E.1/33 AND | | | |
| | | | | C177 AND | C177 AND | C177 AND | C177 AND | C177 AND | C177 AND | C177 AND | C177 AND | E.1/110 AND E.1/111 | | | |
| | | | | C178 | C178 | C178 | | C178 | C178 | C178 | C178 | E. 1/1111 | | | |
| | 27.22.7.10: Data available event | R99 | 1.1 | | | C121 | C121 | C121 | C121 | C121 | C121 | E.1/43 AND | UMTS | | |
| | | | | | | | | | AND | AND | AND | E.1/89 AND | System | | |
| | | | | | | | | | C183 | C183 | C183 | E.1/92 AND | Simulator | | |
| | | | | | | | | | | | | E.1/33 | or System Simulator | | |
| | | | | | | | | | | | | | only | | |
| | 27.22.7.11: Channel status event | R99 | 1.1 | C121 | E.1/44 AND | UMTS | | |
| | | | | | | | | | AND | AND | AND | E.1/89 AND | System | | |
| | | | | | | | | | C183 | C183 | C183 | E.1/33 | Simulator | | |
| | | | | | | | | | | | | | or System Simulator | | |
| | | | | | | | | | | | | | only | | |
| | 27.22.7.12: Access Technology | | | | | | | | | | | | 0, | | |
| | change event | | | | | | | | | | | | | | |
| | Single access technology | Rel-8 | 1.1 | | | | | | C184 AND | C184 AND | C184 AND | E.1/45 AND E.1/33 | UMTS System | | |
| | | | | | | | | | C190 | C190 | C190 | □.1/33 | Simulator | | |
| | | | | | | | | | 0130 | 0130 | 0130 | | and E-USS | | |
| | Multiple access technologies | Rel-8 | TBD | | | | | | C184 | C184 | C184 | E.1/45 AND | TBD | | |
| | | | | | | | | | AND | AND | AND | E.1/33 AND | | | |
| | 07 00 7 40. Diamless negree to | Dal 4 | TBD | | | | | | C190 | C190 | C190 | E.1/200 E.1/46 AND | TBD | | |
| | 27.22.7.13: Display parameter changed event | Rel-4 | IBD | | | | | | | | | E.1/46 AND E.1/33 | IBD | | |
| | 27.22.7.14: Local connection event | Rel-4 | TBD | | | | | | | | | E.1/47 AND | TBD | | |
| | | | | | | | | | | | | E.1/33 | | | |
| | 27.22.7.15: Network search mode | Rel-6 | 1.1 | | | | | | | М | М | E.1/48 AND | No | | |
| | change event | Dalo | TDD | | | | | | | | | E.1/33 | TDD | - | |
| | 27.22.7.16: Browsing status event | Rel-6 | TBD | | | | | | | | | E.1/193 AND E.1/33 | TBD | | |
| | 27.22.7.17: Network Rejection | Rel-8 | 1.1 | | | | | | C190 | C190 | C190 | E.1/33 AND | E-USS | | |
| | Event, ATTACH REJECT | | | | | | | | | | | E.197 | only | | |
| | 27.22.7.17: Network Rejection | Rel-8 | 1.2 | | | | | | C190 | C190 | C190 | E.1/33 AND | E-USS | _ | |
| | Event, TRACKING AREA UPDATE REJECT | | | | | | | | | | | E.197 | only | | |
| | Frame information changed event | Rel-6 | TBD | | | | | | | | | E.1/195 AND | TBD | | |
| | momanding a overt | | .55 | | | | | | | | | E.1/177 AND | .55 | | |
| | | | | | | | | | | | | E.1/178 | | | |
| | 27.22.7.18: CSG cell Selection | Rel-9 | 1.1 | | | | | | | C200 | C200 | E.1/201 | E-USS | | |
| | | | | | | | | | | | | | only | | |

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

| Item | Description | Re- lease | Test sequence | Rel 99 ME | Rel-4 ME | Rel-5 ME | Rel-6 ME | Rel-7 ME | Rel-8 ME | Rel-9 ME | Rel- 10 ME | Terminal Profile | Dependen | Sup- port | Additional test case execution parameter |
|------|--|--------------|---------------|-----------------|-------------|-------------|-------------|-------------|-------------|-------------|------------------|--------------------------|--|--------------|--|
| | Send Short Message attempt by user, the USIM responds with '90 00', Allowed, no modification | R99 | (s) 1.8 | M | M | M | M | M | C183 | C183 | C183 | E1/12 | UMTS System Simulator or System Simulator only | | |
| | Void | | 1.9 | | | | | | | | | | | | |
| 42 | SERVICE SEARCH | Rel-4 | TBD | | | | | | | | | E.1/94 | TBD | | |
| 43 | GET SERVICE INFORMATION | Rel-4 | TBD | | | | | | | | | E.1/95 | TBD | | |
| 44 | DECLARE SERVICE | Rel-4 | TBD | | | | | | | | | E.1/96 | TBD | | |
| 45 | RETRIEVE MULTIMEDIA MESSAGE | Rel-6 | TBD | | | | | | | | | E.1/173 | TBD | | |
| 46 | SUBMIT MULTIMEDIA MESSAGE | Rel-6 | TBD | | | | | | | | | E.1/173 | TBD | | |
| 47 | DISPLAY MULTIMEDIA MESSAGE | Rel-6 | TBD | | | | | | | | | E.1/173 | TBD | | |
| 48 | SET FRAMES | Rel-6 | TBD | | | | | | | | | E.1/177 AND E.1/178 | TBD | | |
| 49 | GET FRAME STATUS | Rel-6 | TBD | | | | | | | | | E.1/178 AND E.1/177 | TBD | | |
| 50 | Handling of command number 27.22.9 | | | | | | | | | | | | | | |
| | DISPLAY TEXT normal priority | R99 | 1.1 | C177 | C177 | C177 | C177 | C177 | C177 | C177 | C177 | E.1/17 AND E.1/110 | No | | |
| | | | | | | | | | | | | | | | |

| C101 | IF A.1/1 THEN M ELSE N/A | O_Cap_Conf |
|-------|---|--|
| C102 | IF A.1/16 THEN M ELSE N/A | O_GPRS |
| C102 | void | O_GFK3 |
| C103 | IF A.1/2 THEN M ELSE N/A | O Sust text |
| C104 | IF A.1/2 THEN MIELSE N/A IF A.1/3 AND A.1/41 THEN MIELSE N/A | O_Sust_text O_Ucs2_Entry AND O_UCS2_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 ELSE N/A | O_lcons |
| C109 | IF A.1/7 THEN M ELSE N/A | O_Dual_Slot |
| C110 | IF A.1/9 AND A.1/46 THEN M ELSE N/A | O_Run_At AND O_+CIMI |
| C111 | IF (A.1/10 OR E.1/71) THEN M ELSE N/A | O_LB |
| C112 | IF A.1/11 THEN M ELSE N/A | O_Soft_key |
| C113 | void | |
| C114 | IF C110 AND C108 THEN O.1 ELSE N/A | O_Run_At AND O_+CIMI AND O_Icons |
| C115 | IF C111 AND C108 THEN M ELSE N/A | O_LB AND O_Icons |
| C116 | IF A.1/7 AND A.1/8 THEN M ELSE N/A | O_Dual_Slot AND O_Detach_Rdr |
| C117 | void | |
| C118 | IF A.1/15 AND A.1/41 THEN M ELSE N/A | O_Ucs2_Disp AND O_UCS2_Cyrillic |
| C119 | IF A.1/19 THEN M ELSE N/A | O_Redial |
| C120 | IF A.1/20 THEN M ELSE N/A | O_D_NoResp |
| C121 | IF A.1/21 AND A.1/17 THEN M ELSE N/A | O_BIP_GPRS AND O_UDP |
| C122 | IF C111 AND A.1/16 THEN M ELSE N/A | O_LB AND O_GPRS |
| C123 | void | |
| C124 | IF A.1/22, test x.A M ELSE x.B M (where x is the expected | O_CP_Subaddr |
| | sequence number value) | |
| C125 | IF A.1/23 THEN M ELSE N/A | O_lmm_Resp |
| C126 | IF A.1/24 THEN M ELSE N/A | O Duration |
| C127 | void | _ |
| C128 | void | |
| C129 | void | |
| C130 | void | |
| C131 | void | |
| C132 | IF A.1/27 THEN M ELSE N/A | O_BIP_Local |
| C133 | IF A.1/37 THEN M ELSE N/A | O Frames |
| C134 | IF A.1/38 THEN M ELSE N/A | O MMS |
| C135 | IF C110 AND C133 THEN M ELSE N/A | O_Run_At AND O_Frames |
| C136 | IF C111 AND C133 THEN M ELSE N/A | O_LB AND O_Frames |
| C137 | IF A.1/12 AND C133 THEN M ELSE N/A | O_BIP AND O_Frames |
| C138 | IF A.1/82 THEN M ELSE N/A | O_M_T_Tones |
| C139 | IF A.1/35 THEN M ELSE N/A | O Batt |
| C140 | IF A.1/39 THEN M ELSE N/A | O_UC_Before_EnvCC |
| C141 | IF A.1/40 THEN M ELSE N/A | O UC After EnvCC |
| C142 | IF A.1/3 AND A.1/42 THEN M ELSE N/A | O_UCS2_Entry AND O_UCS2_Chinese |
| C143 | IF A.1/15 AND A.1/42 THEN M ELSE N/A | O_UCS2_Disp AND O_UCS2_Chinese |
| C143 | IF A.1/3 AND A.1/42 THEN M ELSE N/A | O UCS2 Entry AND O UCS2 Katakana |
| 10177 | II A. I/O AIND A. I/40 II IEIN IVI EEOE IV/A | O_0002_Littly AND O_0002_Natakalia |

| C145 | IF A.1/15 AND A.1/43 THEN M ELSE N/A | O UCS2 Disp AND O UCS2 Katakana |
|------|---|---|
| C146 | IF A. 1/45 THEN M ELSE N/A | O FDN |
| C147 | IF A. 1/44 THEN M ELSE N/A | O BDN |
| C148 | IF (A.1/9 AND A.1/47) THEN M ELSE N/A | O_Run_At AND O_+CGMI |
| C149 | IF C148 AND C118 THEN M ELSE N/A | O Run At AND O +CGMI AND O O Ucs2 Disp AND O Ucs2 |
| 0143 | II OTTO THE OTTO THE OTTO | Cyrillic |
| C150 | IF C148 AND C143 THEN M ELSE N/A | O Run At AND O +CGMI AND O O Ucs2 Disp AND O Ucs2 |
| 0.00 | III OTTOTALO OTTO TITLICA IN ELOCATORA | Chinese |
| C151 | IF C148 AND C145 THEN M ELSE N/A | O_Run_At AND O_+CGMI AND O_ O_Ucs2_Disp AND O_Ucs2_ |
| 0.01 | III OTTOTALO OTTO TITLICA IN ELOCATORA | Katakana |
| C152 | IF C121 AND A.1/49 THEN M ELSE N/A | O_BIP_GPRS AND O_UDP AND O_BUFFER_SIZE |
| C153 | IF A.1/50 THEN M ELSE N/A | O_TAT_AL |
| C154 | IF A.1/51 THEN M ELSE N/A | O_TAT_AC |
| C155 | IF A.1/52 THEN M ELSE N/A | O TAT AR |
| C156 | IF A.1/53 THEN M ELSE N/A | O_TAT_FSN |
| C157 | IF A.1/54 THEN M ELSE N/A | O_TAT_FSL |
| C158 | IF A.1/55 THEN M ELSE N/A | O_TAT_FSS |
| C159 | IF A.1/56 THEN M ELSE N/A | O_TAT_SN |
| C160 | IF A.1/57 THEN M ELSE N/A | O TAT SB |
| C161 | IF A.1/58 THEN M ELSE N/A | O_TAT_SI |
| C162 | IF A.1/59 THEN M ELSE N/A | O_TAT_SU |
| C163 | IF A.1/60 THEN M ELSE N/A | O_TAT_SS |
| C164 | IF A.1/61 THEN M ELSE N/A | O_TAT_STFC |
| C165 | IF A.1/62 THEN M ELSE N/A | O_TAT_STBC |
| C166 | IF A.1/63 THEN test step option n.A M ELSE test step option | O_longFTN |
| | n.B M | |
| C167 | IF A.1/64 THEN M ELSE N/A | O_GERAN |
| C168 | IF A.1/65 THEN M ELSE N/A | O Global PB |
| C169 | IF (C121 AND A.1/68 THEN test x.A M ELSE IF (C121 AND | (O_BIP_GPRS AND O_UDP AND |
| | NOT A.1/68) test x.B M ELSE N/A | O_User_Confirm_Before_PDP_Context_Request) OR |
| | | (O_BIP_GPRS AND O_UDP AND NOT |
| | | O_User_Confirm_Before_PDP_Context_Request) |
| C170 | IF A.1/69 THEN M ELSE N/A | O_Serv_SS_HOLD |
| C171 | IF A.1/6 THEN O.2 ELSE N/A | O_lcons |
| C172 | IF A.1/6 THEN O.4 ELSE N/A | O_lcons |
| C173 | IF C110 AND A.1/6 THEN O.2 ELSE N/A | O_Run_At AND O_+CIMI AND O_Icons |
| C174 | IF A.1/78 AND A.1/79 THEN M ELSE N/A | O_AddInfo_SS AND_O_Serv_SS_CFU |
| C175 | IF A.1/78 AND A.1/80 THEN M ELSE N/A | O_AddInfo_SS AND O_Serv_SS_CLIR |
| C176 | IF A. 1/44 THEN N/A ELSE M | O_BDN |
| C177 | IF A.1/84 THEN M ELSE N/A | O_No_Type_ND |
| C178 | IF A.1/85 THEN M ELSE N/A | O_No_Type_NK |
| C179 | IF A.1/86 THEN M ELSE N/A | O_No_Type_NA |
| C180 | IF A.1/87 THEN M ELSE N/A | O_No_Type_NS |
| C181 | IF A.1/88 THEN M ELSE N/A | O_No_Type_NL |
| C182 | IF A.1/18 AND (A.1/132 OR A.1/133) THEN M ELSE N/A | O_TCP AND (pc_BIP_eFDD OR pc_BIP_eTDD) |
| C183 | IF ((NOT A.1/135) AND (A.1/64 OR A.1/134) THEN M ELSE | NOT (O_EUTRAN_NO_UTRAN NO_GERAN) AND (O_GERAN |

| | N/A | OR O_UTRAN) |
|-----------|--|---|
| C184 | IF A.1/134 THEN M ELSE N/A | O UTRAN |
| C185 | IF A.1/6 AND A.1/111 THEN M ELSE N/A | O_lcons AND O_lcon_Rec1_Send_SS |
| C186 | IF A.1/6 AND A.1/115 THEN M ELSE N/A | O_lcons AND O_lcon_Rec2_Send_USSD |
| C187 | IF A.1/6 AND A.1/114 THEN M ELSE N/A | O_lcons AND O_lcon_Rec1_Send_USSD |
| C188 | IF A.1/6 AND A.1/120 THEN M ELSE N/A | O_lcons AND O_lcon_Rec1_Set_Up_Idle_Mode_Text |
| C189 | IF C110 AND A.1/6 AND A.1/123 THEN M ELSE N/A | O_Run_At AND O_+CIMI AND O_Icons AND |
| | | O_lcon_Rec1_Run_AT_Cmd |
| C190 | IF (A.1/139 OR A.1/140) THEN M ELSE N/A | pc_eTDD OR pc_eFDD |
| C191 | IF A.1/21 AND A.1/18 THEN M ELSE N/A | O_BIP_GPRS AND O_TCP |
| C192 | IF (A.1/21 AND A.1/18 AND A.1/72) THEN M ELSE N/A | O_BIP_GPRS AND O_TCP AND O_BIP_UICCServer |
| C193 | IF (A.1/10 OR (E.1/71 AND E.1/42)) THEN M ELSE N/A | O_LB |
| C194 | IF A.1/138 THEN M ELSE N/A | O_Select_Item_Default_Item |
| C195 | IF A.1/137 THEN M ELSE N/A | O_CSG_Cell_Discovery |
| C196 | IF (A.1/142 AND (A.1/139 OR A.1/140) THEN M ELSE N/A | O_pc_MO_SM-over-IMS AND (pc_eFDD OR pc_eTDD) |
| C197 | IF (A.1/142 AND A.1/134) THEN M ELSE N/A | O_pc_MO_SM-over-IMS AND O_UTRAN |
| C198 | IF (A.1/141 AND (A.1/139 OR A.1/140) THEN M ELSE N/A | O_pc_SM-over-IP-receiver AND (pc_eFDD OR pc_eTDD) |
| C199 | IF (A.1/141 AND A.1/134) THEN M ELSE N/A | O_pc_SM-over-IP-receiver AND O_UTRAN |
| C200 | IF A.1/136 THEN M ELSE N/A | O_Event_CSG_Cell_Selection |
| C201 | IF (A.1/64 AND A.1/149) THEN M ELSE N/A | O_GERAN AND O_SMS-CB_Data_Download |
| C202 | IF ((A.1/139 OR A.1/140) AND A.1/150) THEN M ELSE N/A | (pc_eFDD OR pc_eTDD) AND O_IMS |
| C203 | IF (A.1/134 AND A.1/150) THEN M ELSE N/A | O_UTRAN AND O_IMS |
| | | |
| O.1 | | ds to the option relating to the command being tested (e.g. A.1/90 if |
| | Display Text supports icons as defined in record 1 of EF(IMG)) | |
| 0.2 | | ds to the option relating to the command being tested (e.g. A.1/91 if |
| | Display Text supports icons as defined in record 2 of EF(IMG)) | and x.y is the expected sequence number value) |
| 0.3 | void | |
| 0.4 | | zz and ww correspond to the option relating to the command being |
| | | record 1 of EF(IMG) and A.1.92 if Display Text supports icons as |
| | defined in record 5 of EF(IMG)) and x.y is the expected seque | ence number value) |
| TOE DOOM | IF NOT A 4/04 THEN during the test execution the display and | the new display of any alpha identifies to a string on ion about he |
| TCEP001 | treated as successfully verified. | the non-display of any alpha identifier, text string or icon shall be |
| TCEP002 | IF NOT A.1/85 THEN the terminal may open the channel without | out avaliait confirmation by the upor |
| AER001 | IF ((A.1/21 AND A.1/17) AND ((A.1/132 OR A.1/133) AND | (O_BIP_GPRS AND O_UDP) AND (O_BIP_eFDD OR |
| AERUUT | (A.1/134 OR A.1/64))) THEN R(27.22.4.27.6, Seq. 6.1) ELSE | O_BIP_eTDD) AND (O_UTRAN OR O_GERAN) |
| | (A.1/134 OR A.1/04))) THEN R(27.22.4.27.0, Seq. 6.1) ELSE | O_BIP_eTDD) AND (O_UTRAN OR O_GERAIN) |
| AER002 | IF ((A.1/132 OR A.1/133) AND (A.1/134 OR A.1/64))) THEN | (pc_ BIP_eFDD OR pc_BIP_eTDD) AND (O_UTRAN OR |
| ALKUUZ | R(27.22.7.4 Seq. 1.1) ELSE A | O GERAN) |
| AER003 | IF ((A.1/132 OR A.1/133) AND (A.1/134 OR A.1/64))) THEN | (pc_BIP_eFDD OR pc_BIP_eTDD) AND (O_UTRAN OR |
| /\LI\000 | R(27.22.4.15 Seq. 1.17) ELSE A | O_GERAN) |
| AER004 | IF ((A.1/132 OR A.1/133) AND (A.1/134 OR A.1/64))) THEN | (pc_BIP_eFDD OR pc_BIP_eTDD) AND (O_UTRAN OR |
| , LI (00+ | R(27.22.4.15 Seq. 1.14) ELSE A | O_GERAN) |
| AER005 | IF ((A.1/21 AND A.1/17) AND ((A.1/132 OR A.1/133) AND | (O_BIP_GPRS AND O_UDP) AND (O_BIP_eFDD OR |
| | (A.1/134 OR A.1/64))) THEN R(27.22.4.27.6, Seq. 6.4) ELSE | O_BIP_eTDD) AND (O_UTRAN OR O_GERAN) |
| | | |

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

3.5 Conventions for mathematical notations

The conventions for mathematical notations specified below shall apply.

3.5.1 Mathematical signs

The "plus or minus" sign is expressed by "±".

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

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

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

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

4 Test equipment

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

5 Testing methodology in general

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

5.1 Testing of optional functions and procedures

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

5.2 Test interfaces and facilities

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

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

5.3 Information to be provided by the apparatus supplier

The information to be provided by the apparatus supplier specified in TS 36.523-2 [34], TS 36.508 [33], TS 34.108 [12] and TS 51.010-1 [23] shall apply, unless otherwise specified in the present clause.

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

Table A.2: ME"s default configuration

| Item | Description | Value | Status |
|-------|---|-------------|--------|
| 1 | DISPLAY TEXT: No Response from user timeout interval | | С |
| 2 | GET INKEY: No response from user Timeout interval | | С |
| 3 | GET INPUT: No response from user Timeout interval | | С |
| 4 | SELECT ITEM: No response from user Timeout interval | | С |
| 5 | DISPLAY TEXT Text Attributes Alignment [Left or Center or Right] | | С |
| 6 | GET INKEY Text Attributes Alignment [Left or Center or Right] | | С |
| 7 | GET IMPUT Text Attributes Alignment [Left or Center or Right] | | С |
| 8 | PLAY TONE Text Attributes Alignment [Left or Center or Right] | | С |
| 9 | SET UP MENU Text Attributes Alignment [Left or Center or Right] | | С |
| 10 | SELECT ITEM Text Attributes Alignment [Left or Center or Right] | | С |
| 11 | SEND SHORT MESSAGE Text Attributes Alignment [Left or Center or Right] | | С |
| 12 | SEND SS Text Attributes Alignment [Left or Center or Right] | | С |
| 13 | SEND USSD Text Attributes Alignment [Left or Center or Right] | | С |
| 14 | SET UP CALL Text Attributes Alignment [Left or Center or Right] | | С |
| 15 | SET UP IDLE MODE TEXT Text Attributes Alignment [Left or Center or Right] | | С |
| 16 | RUN AT Text Attributes Alignment [Left or Center or Right] | | С |
| 17 | SEND DTMF Text Attributes Alignment [Left or Center or Right] | | С |
| 18 | LAUNCH BROWSER Text Attributes Alignment [Left or Center or Right] | | С |
| 19 | OPEN CHANNEL Text Attributes Alignment [Left or Center or Right] | | С |
| 20 | CLOSE CHANNEL Text Attributes Alignment [Left or Center or Right] | | С |
| 21 | RECEIVE DATA Text Attributes Alignment [Left or Center or Right] | | С |
| 22 | SEND DATA Text Attributes Alignment [Left or Center or Right] | | С |
| | IMEI | | М |
| 24 | IMEISV | | С |
| 25 | [Reserved] | | |
| 26 | Additional Card Reader Id | | С |
| 27 | Channel Id | | С |
| | Manufacturer identification as implemented according to TS 27.007, cl. 5.1 | | С |
| 29 | Preferred buffer size supported by the terminal for Open Channel command | | С |
| Note: | Conditional values shall be provided if the corresponding option is supported | in the tabl | e A.1 |

6 Implicit testing

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

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

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

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

7 Measurement uncertainty

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

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

8 Format of tests

In general the following basic format for tests is used:

27.22.X.X. Tested command

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

27.22.X.X.1.1 Definition and applicability

This clause refers back to clause 3.2.2.

27.22.X.X.1.2 Conformance requirement

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

27.22.X.X.1.3 Test purpose

This clause details the purpose of the test.

27.22.X.X.1.4 Method of test

27.22.X.X.1.4.1 Initial conditions

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

27.22.X.X.1.4.2 Procedure

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

- Sequence 1.1 (further initial conditions, added here)

| Command 1.1.1 |
|-----------------------------------|
| TERMINAL RESPONSE1.1.1A or 1.1.1B |
| Command 1.1.2 |
| TERMINAL RESPONSE1.1.2 |

PROACTIVE COMMAND 1.1.1

TERMINAL RESPONSE 1.1.1A

TERMINAL RESPONSE 1.1.1B

PROACTIVE COMMAND 1.1.2

TERMINAL RESPONSE 1.1.2

- Sequence 1.2

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

PROACTIVE COMMAND 1.2.1

PROACTIVE COMMAND 1.2.2

PROACTIVE COMMAND 1.2.3

TERMINAL RESPONSE 1.2.1

TERMINAL RESPONSE 1.2.2

TERMINAL RESPONSE 1.2.3

- Sequence 1.3

Command 1.3.1 TERMINAL RESPONSE1.3.1

PROACTIVE COMMAND 1.3.1

TERMINAL RESPONSE 1.3.1

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

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

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

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

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

27.22.X.X. 2.3 Test purpose

27.22.X.X. 2.4 Method of test

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

Procedure 27.22.X.X. 2.4.1.2

- Sequence 2.1

Command 2.1.1

TERMINAL RESPONSE2.1.1A or 2.1.1B

Command 2.1.2

TERMINAL RESPONSE2.1.2

PROACTIVE COMMAND 2.1.1

TERMINAL RESPONSE 2.1.1A

TERMINAL RESPONSE 2.1.1B

PROACTIVE COMMAND 2.1.2

TERMINAL RESPONSE 2.1.2

Sequence 2.2

Command 2.2.1 TERMINAL RESPONSE 2.2.1

Command 2.2.2

TERMINAL RESPONSE 2.2.2 (same as TERMINAL RESPONSE 2.2.1)

Command 2.2.3

TERMINAL RESPONSE 2.2.3

PROACTIVE COMMAND 2.2.1

PROACTIVE COMMAND 2.2.2

PROACTIVE COMMAND 2.2.3

Coding TERMINAL RESPONSE 2.2.1

Coding TERMINAL RESPONSE 2.2.2

Coding TERMINAL RESPONSE 2.2.3

27.22.X.X.2.5 **Test requirement**

9 Generic call set up procedures

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

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

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

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

10 - 26Not used

27 Testing of the UICC/ME interface

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

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

A USIM Simulator with the appropriate USIM Application Toolkit functionality will be required. The USIM data defined below shall be used for all test cases unless otherwise specified within the test case.

The comprehension required flags in SIMPLE-TLV objects that are included in a TERMINAL RESPONSE or an ENVELOPE shall be set as described in TS 31.111 [15]. This means that in cases where it is up to the ME to decide if this flag is used or not, the corresponding Tag coding in the TERMINAL RESPONSEs and ENVELOPEs in this document represents only one of the two valid possibilities.

TS 31.111 [15] defines that in case of the general result "Command performed successfully" some proactive commands require additional information in the command result and in which cases this is mandatory or optional. Thus when additional information bytes are optional in the Result TLV, the additional information bytes of the Result TLV in the Terminal Responses shall be ignored.

27.1 - 27.21 Void

27.22 USIM Application Toolkit

27.22.1AGeneral Test purpose

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

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

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

xx00 xxxx

XXXX XXXX

Note:

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

27.22.2ADefinition of default values for USIM Application Toolkit testing

A UICC containing the following default values is used for all tests of this clause unless otherwise stated.

For each item, the logical default values and the coding within the Elementary Files (EF) of the USIM follow, as defined in:

- TS 31.121 [21], clause 4.1.
- ETSI TS 102 384 [26], clause 27.22.1B.
- Note 1: Bx represents byte x of the coding.
- Note 2: Unless otherwise defined, the coding values in binary.

EF_{UST} (USIM Service Table)

Logically:

| (Service 01) | Local Phone | e Book available | | | | | | | | |
|------------------|----------------|-----------------------------------|--------------------|-------------------|----------|-----------|--|--|--|--|
| (Service 02) | Fixed dialling | Fixed dialling numbers available | | | | | | | | |
| (Service 06) | | Barred dialling numbers available | | | | | | | | |
| (Service 10) | | ige Storage avail | | | | | | | | |
| (Service 11) | Short Messa | ige Status Repor | ts available | | | | | | | |
| (Service 12) | Short Messa | ige Service Para | meters available | | | | | | | |
| (Service 15) | Cell Broadc | ast Message Ide | ntifier available | | | | | | | |
| (Services 17, 18 | 8) The Group 1 | Identifier level 1 | and level 2 not | available | | | | | | |
| (Service 20) | User control | lled PLMN selec | ctor available | | | | | | | |
| (Service 22) | Image (IMC | 6) available | | | | | | | | |
| (Service 27) | The GSM A | ccess available | | | | | | | | |
| (Service 28) | Data downlo | oad via SMS-PP | available | | | | | | | |
| (Service 29) | Data downlo | oad via SMS-CE | available | | | | | | | |
| (Service 30) | | l by USIM not a | | | | | | | | |
| (Service 31) | MO-SMS C | ontrol by USIM | not available | | | | | | | |
| (Service 32) | | OMMAND avai | | | | | | | | |
| (Service 33) | (Packed Sw | itched Domain) | shall be set to '1 | 1 | | | | | | |
| (Service 34) | Enabled Ser | vices Table avai | lable | | | | | | | |
| (Service 85) | EPS Mobili | ty Management | Information not | available | | | | | | |
| (Service 86) | Allowed CS | G Lists and corr | esponding indic | ations not availa | ble | | | | | |
| Coding: | B1 | B2 | В3 | B4 | B5 | В6 | | | | |
| binary | xx1x xx11 | x1xx 111x | xx1x 1x00 | 1001 11xx | xxx xx11 | XXXX XXXX | | | | |
| | B7 | B8 | B9 | B10 | B11 | | | | | |

XXXX XXXX

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

XXXX XXXX

EF_{EST} (Enabled Services Table)

Logically:

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

XXXX XXXX

Coding: B1 binary 00

EF_{IMSI} (International Mobile Subscriber Identity)

Logically:

Length: 8 bytes

IMSI: 001 01 0123456789

Coding: '08 09 10 10 10 32 54 76 98'

EF_{AD} (Administrative Data)

Logically: Type approval operations

OFM to be deactivated by the Terminal

MNC: 2 digit

Coding: B1 B2 B3 B4 Hex 80 00 00 02

EF_{LOCI} (Location Information)

Logically:

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

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

EF_{PSLOCI} (Packet Switch Location Information)

Logically:

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

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

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

EF_{CBMI} (Cell Broadcast Message Identifier)

Logically:

Cell Broadcast Message Identifier 1: '03 E7'

| Codina: | 03 | E7 | FF | FF | | | |
|---------|----|----|----|--------|--|--|--|

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

Logically:

Cell Broadcast Message Identifier 1: '10 01'

| Coding: | 10 | 01 | FF | FF | | | |
|---------|----|----|----|--------|--|--|--|

EF_{FDN} (Fixed Dialling Numbers)

Logically:

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

Alpha identifier: "FDN111"; Length of BCD number: "03";

TON and NPI: Telephony and unknown;

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

Coding for record 1:

В5 В1 B2 ВЗ B4 В6 В7 В8 B9 B10 B11 B12 B13 Hex 46 44 4E 31 31 31 03 81 21 F3 FF FF FF

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

Record 2: Length of alpha identifier: 6 characters;

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

TON and NPI: Telephony and Unknown;

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

Coding for record 2:

В1 B2 ВЗ B4 B5 В6 В7 В8 В9 B10 B11 B12 B13 Hex FF FF FF 46 44 4E 32 32 32 03 81 89 67

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

Record 3: Length of alpha identifier: 6 characters;

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

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

CCI: None; Ext2: None.

Coding for record 3:

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

EF_{BDN} (Barred Dialling Numbers)

Logically:

Record 1: Length of alpha identifier: 6 characters;

Alpha identifier: "BDN111"; Length of BCD number: "06"; TON and NPI: Telephony and International;

Dialled number: +1357924680;

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

Coding for record 1:

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

Record 2: Length of alpha identifier: 6 characters;

Alpha identifier: "BDN222";

Length of BCD number: "03";

TON and NPI: Telephony and Unknown;

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

Coding for record 2:

B6 В8 В9 В1 B2 ВЗ B4 B5 B7 B10 B11 B12 B13 FF Hex 42 44 4E 32 32 32 04 81 21 F2 FF FF **B14** B15 **B16** B17 B18 B19 B20 B21 FF FF FF FF FF FF FF FF

Record 3: Length of alpha identifier: 6 characters;

Alpha identifier: "BDN333";

Length of BCD number: "03";

TON and NPI: Telephony and Unknown;

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

Coding for record 3:

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

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

Logically: Emergency call code: "122";

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

Coding: В1 ВЗ В5 B2 В4 **B6** В7 **B8** Hex 21 F2 FF 54 45 53 54 00

EF_{SMSS} (SMS Status)

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

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

Coding: B1 B2 Hex 00 FF

EF_{SMSP} (Short message service parameters)

Logically:

Record 1:

Record length: 28 bytes

Parameter Indicators:

TP-Destination Address: Parameter absent
TS-Service Centre Address: Parameter present
TP-Protocol Identifier: Parameter absent
TP-Data Coding Scheme: Parameter absent
TP-Validity Period: Parameter absent

TS-Service Centre Address:

TON: International Number

NPI: "ISDN / telephone numbering plan"

Dialled number string: "112233445566778"

| Coding: | B1 | B2 | В3 | B13 | B14 | B15 | B16 | B17 | B18 | B19 | B20 | B21 | B22 | B23 |
|-----------|----|----|----|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Record 1: | FD | FF | FF | FF | 09 | 91 | 11 | 22 | 33 | 44 | 55 | 66 | 77 | F8 |

| B24 | B25 | B26 | B27 | B28 |
|-----|-----|-----|-----|-----|
| FF | FF | FF | FF | FF |

For the display of icon: See ETSI TS 102 384 [26] subclause 27.22.1B.

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

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

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

EF_{UST} (USIM Service Table)

Logically:

| (Service 01) | Local Phone Book available |
|-------------------|--|
| (Service 02) | Fixed dialling numbers available |
| (Service 06) | Barred dialling numbers available |
| (Service 10) | Short Message Storage available |
| (Service 11) | Short Message Status Reports available |
| (Service 12) | Short Message Service Parameters available |
| (Service 15) | Cell Broadcast Message Identifier available |
| (Services 17, 18) | The Group Identifier level 1 and level 2 not available |
| (Service 20) | User controlled PLMN selector available |
| (Service 22) | Image (IMG) available |
| (Service 27) | The GSM Access available |
| (Service 28) | Data download via SMS-PP available |
| (Service 29) | Data download via SMS-CB available |
| (Service 30) | Call Control by USIM not available |
| (Service 31) | MO-SMS Control by USIM not available |

B6

XXXX X

B11

11

| (Service 32) (Service 33) (Service 34) (Service 85) (Service 86) | (Packed Swi Enabled Ser EPS Mobilit | AT COMMAND available sed Switched Domain) shall be set to '1' led Services Table available Mobility Management Information available wed CSG Lists and corresponding indications not available | | | | | | |
|--|---|--|-----------|-----------|----------|--|--|--|
| Coding: | B1 | B2 | В3 | B4 | B5 | | | |
| binary | xx1x xx11 | x1xx 111x | xx1x 1x00 | 1001 11xx | xxx xx11 | | | |

B7 B8 B9 B10 B11 XXXX XXXX XXXX XXXX XXXX XXXX XXXX XXXX xx01 xxxx

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

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

GUTI: 0010100010266341122 Logically:

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

B10 Byte: В1 B2 В3 В4 **B5** B6 B7 В8 **B9** Hex: 0B F6 00 F1 10 00 01 02 66 43 **B12 B13 B14 B15 B16 B17 B18** 22 00 F1 10 00 01 01

EF_{EPSNSC} (EPS NAS Security Context)

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

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

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

integrity and encryption

algorithm

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

27.22.2B.2 Definition of E-UTRAN parameters

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

Mobile Country Code (MCC) = 001;

Mobile Network Code (MNC) = 01;

Tracking Area Code (TAC) = 0001;

Cell Identity value = 0001;

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

The default PDP type shall be "IP".

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

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

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

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

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

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

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

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

Logically: Type approval operations

| Byte: | B01 | B02 |
|---------|-----|-----|
| Coding: | 80 | 00 |

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

Logically:

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

| Byte: | B01 |
|---------|-----------|
| Coding: | 111x xxx1 |

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

Logically: 001010123456789@test.3gpp.com

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

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

Logically: test.3gpp.com

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

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

Record 1:

Logica<u>lly: sip:001010123</u>456789@ims.mnc246.mcc081.3gppnetwork.org

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

Record 2:

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

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

Record 3:

Logically: tel:+11234567890

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

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

Logically:

Address Type: FQDN

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

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

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

Interworking WLAN.

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

At least 10 records.

All records shall be empty.

Logically: Status byte set to empty.

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

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

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

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

a) Logically: Status byte set to empty.

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

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

27.22.2C.3.9 EF_{SMSP} (Short message service parameters)

Logically:

Record 1:

Record length: 28 bytes Parameter Indicators:

TP-Destination Address: Parameter absent TS-Service Centre Address: Parameter present TP-Protocol Identifier: Parameter absent TP-Data Coding Scheme: Parameter absent TP-Validity Period: Parameter absent

TS-Service Centre Address:

TON: International Number

NPI: "ISDN / telephone numbering plan"

a) Dialled number string: "112233445566778"

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

a) All other records shall be empty.

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

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

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

| Byte: | B1 | B2 |
|---------|----|----|
| Coding: | 00 | FF |

27.22.2C.4 Default values at DF_TELECOM

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

1 record only.

Logically:

Record 1:

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

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

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

27.22.1.1 Definition and applicability

See clause 3.2.2.

27.22.1.2 Conformance requirement

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

- TS 31.111 [15] clause 5.2.

27.22.1.3 Test purpose

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

27.22.1.4 Method of test

27.22.1.4.1 Initial conditions

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

27.22.1.4.2 Procedure

Expected Sequence 1 (PROFILE DOWNLOAD)

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

TERMINAL PROFILE: 1.1

Logically:

Coding:

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

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

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

NORMAL ENDING OF COMMAND: 1.1

Logically:

Coding:

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

27.22.1.5 Test requirement

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

27.22.2 Contents of the TERMINAL PROFILE command

27.22.2.1 Definition and applicability

See table E.1 in annex B.

27.22.2.2 Conformance requirement

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

- TS 31.111 [15] clause 5.2.

27.22.2.3 Test purpose

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

27.22.2.4 Method of test

27.22.2.4.1 Initial conditions

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

27.22.1.4.2 Procedure

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

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

27.22.2.5 Test requirement

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

27.22.3 Servicing of proactive UICC commands

27.22.3.1 Definition and applicability

See clause 3.2.2.

27.22.3.2 Conformance requirement

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

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

- TS 31.111 [15] clause 6.3.

27.22.3.3 Test purpose

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

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

27.22.3.4 Method of test

27.22.3.4.1 Initial conditions

The ME is connected to the USIM Simulator.

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

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

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

27.22.3.4.2 Procedure

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

27.22.3.5 Test requirement

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

27.22.4 Proactive UICC commands

27.22.4.1 DISPLAY TEXT

27.22.4.1.1 DISPLAY TEXT (Normal)

27.22.4.1.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.1.1.2 Conformance requirements

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

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

27.22.4.1.1.3 Test purpose

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

27.22.4.1.1.4 Method of test

27.22.4.1.1.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as USIM Application Toolkit default.

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

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

27.22.4.1.1.4.2 Procedure

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

27.22.4.1.1.5 Test requirement

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

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

27.22.4.1.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.1.2.2 Conformance requirement

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

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

27.22.4.1.2.3 Test purpose

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

27.22.4.1.2.4 Method of test

27.22.4.1.2.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as USIM Application Toolkit default.

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

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

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

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

27.22.4.1.2.4.2 Procedure

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

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

2.1.27.22.4.1.2.5 Test requirement

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

27.22.4.1.3 DISPLAY TEXT (Display of extension text)

27.22.4.1.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.1.3.2 Conformance requirement

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

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

27.22.4.1.3.3 Test purpose

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

27.22.4.1.3.4 Method of test

27.22.4.1.3.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as USIM Application Toolkit default.

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

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

27.22.4.1.3.4.2 Procedure

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

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

27.22.4.1.3.5 Test requirement

The ME shall operate in the manner defined in expected sequence 3.1.

27.22.4.1.4 DISPLAY TEXT (Sustained text)

27.22.4.1.4.1 Definition and applicability

See clause 3.2.2.

27.22.4.1.4.2 Conformance requirement

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

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

27.22.4.1.4.3 Test purpose

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

27.22.4.1.4.4 Method of test

27.22.4.1.4.4.1 Initial conditions

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

The elementary files are coded as USIM Application Toolkit default.

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

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

27.22.4.1.4.4.2 Procedure

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

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

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

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

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

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

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

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

PROACTIVE COMMAND: DISPLAY TEXT 4.4.1

Logically:

Command details

Command number: 1

Command type: DISPLAY TEXT

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

Device identities

Source device: UICC
Destination device: Display

Text String

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

Immediate Response

Coding:

| BER-TLV: | D0 | 1C | 81 | 03 | 01 | 21 | 80 | 82 | 02 | 81 | 02 | 8D |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0F | 04 | 54 | 6F | 6F | 6C | 6B | 69 | 74 | 20 | 54 | 65 |
| | 73 | 74 | 20 | 34 | AB | 00 | | | | | | |

TERMINAL RESPONSE: DISPLAY TEXT 4.4.1

Logically:

Command details

Command number:

Command type: DISPLAY TEXT

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

Device identities

Source device: ME Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 0.3 | I 01 | 21 | 80 | 82 | 02 | 82 | I 81 | l 83 | ()1 | 00 |
|----------|----|-----|------|----|----|----|----|----|------|------|-----|----|
| | 01 | US | 01 | ' | 00 | 02 | 02 | 02 | 01 | 00 | 01 | 00 |

27.22.4.1.4.5 Test requirement

The ME shall operate in the manner defined in expected sequences 4.1 to 4.4.

27.22.4.1.5 DISPLAY TEXT (Display of icons)

27.22.4.1.5.1 Definition and applicability

See clause 3.2.2.

27.22.4.1.5.2 Conformance requirement

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

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

27.22.4.1.5.3 Test purpose

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

27.22.4.1.5.4 Method of test

27.22.4.1.5.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

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

27.22.4.1.5.4.2 Procedure

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

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

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

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

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

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

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

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

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

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

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

See ETSI TS 102 384 [26] in subclause 27.22.4.1.5.4.2, Expected Sequence 5.3B.27.22.4.1.5.5 Test requirement

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

27.22.4.1.6 DISPLAY TEXT (UCS2 display in Cyrillic)

27.22.4.1.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.1.6.2 Conformance requirement

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

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

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

27.22.4.1.6.3 Test purpose

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

27.22.4.1.6.4 Method of test

27.22.4.1.6.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as USIM Application Toolkit default.

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

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

27.22.4.1.6.4.2 Procedure

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

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

27.22.4.1.6.5 Test requirement

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

27.22.4.1.7 DISPLAY TEXT (Variable Time out)

27.22.4.1.7.1 Definition and applicability

See clause 3.2.2.

27.22.4.1.7.2 Conformance requirement

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

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

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

27.22.4.1.7.3 Test purpose

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

27.22.4.1.7.4 Method of test

27.22.4.1.7.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

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

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

27.22.4.1.7.4.2 Procedure

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

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

27.22.4.1.7.5 Test requirement

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

27.22.4.1.8 DISPLAY TEXT (Support of Text Attribute)

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

27.22.4.1.8.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.1.8.1.2 Conformance requirement

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

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

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

27.22.4.1.8.1.3 Test purpose

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

27.22.4.1.8.1.4 Method of test

27.22.4.1.8.1.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

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

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

27.22.4.1.8.1.4.2 Procedure

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

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

27.22.4.1.8.1.5 Test requirement

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

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

27.22.4.1.8.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.1.8.2.2 Conformance requirement

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

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

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

27.22.4.1.8.2.3 Test purpose

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

27.22.4.1.8.2.4 Method of test

27.22.4.1.8.2.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

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

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

27.22.4.1.8.2.4.2 Procedure

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

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

27.22.4.1.8.2.5 Test requirement

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

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

27.22.4.1.8.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.1.8.3.2 Conformance requirement

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

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

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

27.22.4.1.8.3.3 Test purpose

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

27.22.4.1.8.3.4 Method of test

27.22.4.1.8.3.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

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

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

27.22.4.1.8.3.4.2 Procedure

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

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

27.22.4.1.8.3.5 Test requirement

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

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

27.22.4.1.8.4.1 Definition and applicability

See clause 3.2.2.

27.22.4.1.8.4.2 Conformance requirement

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

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

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

27.22.4.1.8.4.3 Test purpose

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

27.22.4.1.8.4.4 Method of test

27.22.4.1.8.4.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

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

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

27.22.4.1.8.4.4.2 Procedure

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

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

27.22.4.1.8.4.5 Test requirement

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

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

27.22.4.1.8.5.1 Definition and applicability

See clause 3.2.2.

27.22.4.1.8.5.2 Conformance requirement

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

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

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

27.22.4.1.8.5.3 Test purpose

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

27.22.4.1.8.5.4 Method of test

27.22.4.1.8.5.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

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

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

27.22.4.1.8.5.4.2 Procedure

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

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

27.22.4.1.8.5.5 Test requirement

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

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

27.22.4.1.8.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.1.8.6.2 Conformance requirement

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

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

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

27.22.4.1.8.6.3 Test purpose

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

27.22.4.1.8.6.4 Method of test

27.22.4.1.8.6.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

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

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

27.22.4.1.8.6.4.2 Procedure

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

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

27.22.4.1.8.6.5 Test requirement

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

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

27.22.4.1.8.7.1 Definition and applicability

See clause 3.2.2.

27.22.4.1.8.7.2 Conformance requirement

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

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

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

27.22.4.1.8.7.3 Test purpose

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

27.22.4.1.8.7.4 Method of test

27.22.4.1.8.7.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

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

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

27.22.4.1.8.7.4.2 Procedure

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

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

27.22.4.1.8.7.5 Test requirement

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

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

27.22.4.1.8.8.1 Definition and applicability

See clause 3.2.2.

27.22.4.1.8.8.2 Conformance requirement

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

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

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

27.22.4.1.8.8.3 Test purpose

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

27.22.4.1.8.8.4 Method of test

27.22.4.1.8.8.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

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

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

27.22.4.1.8.8.4.2 Procedure

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

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

27.22.4.1.8.8.5 Test requirement

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

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

27.22.4.1.8.9.1 Definition and applicability

See clause 3.2.2.

27.22.4.1.8.9.2 Conformance requirement

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

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

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

27.22.4.1.8.9.3 Test purpose

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

27.22.4.1.8.9.4 Method of test

27.22.4.1.8.9.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

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

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

27.22.4.1.8.9.4.2 Procedure

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

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

27.22.4.1.8.9.5 Test requirement

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

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

27.22.4.1.8.10.1 Definition and applicability

See clause 3.2.2.

27.22.4.1.8.10.2 Conformance requirement

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

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

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

27.22.4.1.8.10.3 Test purpose

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

27.22.4.1.8.10.4 Method of test

27.22.4.1.8.10.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

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

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

27.22.4.1.8.10.4.2 Procedure

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

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

27.22.4.1.8.10.5 Test requirement

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

27.22.4.1.9 DISPLAY TEXT (UCS2 display in Chinese)

27.22.4.1.9.1 Definition and applicability

See clause 3.2.2.

27.22.4.1.9.2 Conformance requirement

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

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

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

27.22.4.1.9.3 Test purpose

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

27.22.4.1.9.4 Method of test

27.22.4.1.9.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as USIM Application Toolkit default.

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

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

27.22.4.1.9.4.2 Procedure

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

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

27.22.4.1.9.5 Test requirement

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

27.22.4.1.10 DISPLAY TEXT (UCS2 display in Katakana)

27.22.4.1.10.1 Definition and applicability

See clause 3.2.2.

27.22.4.1.10.2 Conformance requirement

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

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

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

27.22.4.1.10.3 Test purpose

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

27.22.4.1.10.4 Method of test

27.22.4.1.10.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as USIM Application Toolkit default.

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

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

27.22.4.1.10.4.2 Procedure

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

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

27.22.4.1.10.5 Test requirement

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

27.22.4.2 GET INKEY

27.22.4.2.1 GET INKEY(normal)

27.22.4.2.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.2.1.2 Conformance Requirement

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

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

27.22.4.2.1.3 Test purpose

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

27.22.4.2.1.4 Method of test

27.22.4.2.1.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

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

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

27.22.4.2.1.4.2 Procedure

Expected Sequence 1.1 (GET INKEY, digits only for character, Unpacked 8 bit data for Text String, successful)

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

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

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

Expected Sequence 1.3 (GET INKEY, backward move)

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

Expected Sequence 1.4 (GET INKEY, abort)

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

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

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

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

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

27.22.4.2.1.5 Test requirement

The ME shall operate in the manner defined in expected sequences 1.1 to 1.6.

27.22.4.2.2 GET INKEY (No response from User)

27.22.4.2.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.2.2.2 Conformance requirement

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

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

27.22.4.2.2.3 Test purpose

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

27.22.4.2.2.4 Method of test

27.22.4.2.2.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

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

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

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

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

27.22.4.2.4.2 Procedure

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

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

27.22.4.2.2.5 Test requirement

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

27.22.4.2.3 GET INKEY (UCS2 display in Cyrillic)

27.22.4.2.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.2.3.2 Conformance requirement

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

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

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

27.22.4.2.3.3 Test purpose

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

27.22.4.2.3.4 Method of test

27.22.4.2.3.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

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

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

27.22.4.2.3.4.2 Procedure

Expected Sequence 3.1 (GET INKEY, Text String coding in UCS2 Alphabet in Cyrillic, successful)

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

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

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

27.22.4.2.3.5 Test requirement

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

27.22.4.2.4 GET INKEY (UCS2 entry in Cyrillic)

27.22.4.2.4.1 Definition and applicability

See clause 3.2.2.

27.22.4.2.4.2 Conformance requirement

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

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

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

27.22.4.2.4.3 Test purpose

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

27.22.4.2.4.4 Method of test

27.22.4.2.4.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

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

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

27.22.4.2.4.4.2 Procedure

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

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

27.22.4.2.4.5 Test requirement

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

27.22.4.2.5 GET INKEY ("Yes/No" Response)

27.22.4.2.5.1 Definition and applicability

See clause 3.2.2.

27.22.4.2.5.2 Conformance requirement

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

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

27.22.4.2.5.3 Test purpose

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

27.22.4.2.5.4 Method of test

27.22.4.2.5.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

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

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

27.22.4.2.5.4.2 Procedure

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

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

27.22.4.2.5.5 Test requirement

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

27.22.4.2.6 GET INKEY (display of Icon)

27.22.4.2.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.2.6.2 Conformance requirement

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

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

27.22.4.2.6.3 Test purpose

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

27.22.4.2.6.4 Method of test

27.22.4.2.6.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

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

27.22.4.2.6.4.2 Procedure

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

27.22.4.2.6.5 Test requirement

The ME shall operate in the manner defined in expected sequence 6.1A to 6.4B.

27.22.4.2.7 GET INKEY (Help Information)

27.22.4.2.7.1 Definition and applicability

See clause 3.2.2.

27.22.4.2.7.2 Conformance requirement

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

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

27.22.4.2.7.3 Test purpose

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

27.22.4.2.7.4 Method of test

27.22.4.2.7.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

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

27.22.4.2.7.4.2 Procedure

Expected Sequence 7.1 (GET INKEY, help information available)

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

27.22.4.2.7.5 Test requirement

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

27.22.4.2.8 GET INKEY (Variable Time out)

27.22.4.2.8.1 Definition and applicability

See clause 3.2.2.

27.22.4.2.8.2 Conformance requirement

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

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

27.22.4.2.8.3 Test purpose

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

27.22.4.2.8.4 Method of test

27.22.4.2.8.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

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

27.22.4.2.8.4.2 Procedure

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

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

27.22.4.2.8.5 Test requirement

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

27.22.4.2.9 GET INKEY (Support of Text Attribute)

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

27.22.4.2.9.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.2.9.1.2 Conformance requirement

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

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

27.22.4.2.9.1.3 Test purpose

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

27.22.4.2.9.1.4 Method of test

27.22.4.2.9.1.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

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

27.22.4.2.9.1.4.2 Procedure

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

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

27.22.4.2.9.1.5 Test requirement

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

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

27.22.4.2.9.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.2.9.2.2 Conformance requirement

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

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

27.22.4.2.9.2.3 Test purpose

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

27.22.4.2.9.2.4 Method of test

27.22.4.2.9.2.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

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

27.22.4.2.9.2.4.2 Procedure

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

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

27.22.4.2.9.2.5 Test requirement

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

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

27.22.4.2.9.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.2.9.3.2 Conformance requirement

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

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

27.22.4.2.9.3.3 Test purpose

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

27.22.4.2.9.3.4 Method of test

27.22.4.2.9.3.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

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

27.22.4.2.9.3.4.2 Procedure

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

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

27.22.4.2.9.3.5 Test requirement

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

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

27.22.4.2.9.4.1 Definition and applicability

See clause 3.2.2.

27.22.4.2.9.4.2 Conformance requirement

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

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

27.22.4.2.9.4.3 Test purpose

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

27.22.4.2.9.4.4 Method of test

27.22.4.2.9.4.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

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

27.22.4.2.9.4.4.2 Procedure

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

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

27.22.4.2.9.4.5 Test requirement

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

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

27.22.4.2.9.5.1 Definition and applicability

See clause 3.2.2.

27.22.4.2.9.5.2 Conformance requirement

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

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

27.22.4.2.9.5.3 Test purpose

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

27.22.4.2.9.5.4 Method of test

27.22.4.2.9.5.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

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

27.22.4.2.9.5.4.2 Procedure

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

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

27.22.4.2.9.5.5 Test requirement

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

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

27.22.4.2.9.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.2.9.6.2 Conformance requirement

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

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

27.22.4.2.9.6.3 Test purpose

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

27.22.4.2.9.6.4 Method of test

27.22.4.2.9.6.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

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

27.22.4.2.9.6.4.2 Procedure

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

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

27.22.4.2.9.6.5 Test requirement

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

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

27.22.4.2.9.7.1 Definition and applicability

See clause 3.2.2.

27.22.4.2.9.7.2 Conformance requirement

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

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

27.22.4.2.9.7.3 Test purpose

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

27.22.4.2.9.7.4 Method of test

27.22.4.2.9.7.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

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

27.22.4.2.9.7.4.2 Procedure

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

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

27.22.4.2.9.7.5 Test requirement

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

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

27.22.4.2.9.8.1 Definition and applicability

See clause 3.2.2.

27.22.4.2.9.8.2 Conformance requirement

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

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

27.22.4.2.9.8.3 Test purpose

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

27.22.4.2.9.8.4 Method of test

27.22.4.2.9.8.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

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

27.22.4.2.9.8.4.2 Procedure

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

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

27.22.4.2.9.8.5 Test requirement

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

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

27.22.4.2.9.9.1 Definition and applicability

See clause 3.2.2.

27.22.4.2.9.9.2 Conformance requirement

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

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

27.22.4.2.9.9.3 Test purpose

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

27.22.4.2.9.9.4 Method of test

27.22.4.2.9.9.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

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

27.22.4.2.9.9.4.2 Procedure

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

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

27.22.4.2.9.9.5 Test requirement

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

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

27.22.4.2.9.10.1 Definition and applicability

See clause 3.2.2.

27.22.4.2.9.10.2 Conformance requirement

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

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

27.22.4.2.9.10.3 Test purpose

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

27.22.4.2.9.10.4 Method of test

27.22.4.2.9.10.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

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

27.22.4.2.9.10.4.2 Procedure

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

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

27.22.4.2.9.10.5 Test requirement

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

27.22.4.2.10 GET INKEY (UCS2 display in Chinese)

27.22.4.2.10.1 Definition and applicability

See clause 3.2.2.

27.22.4.2.10.2 Conformance requirement

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

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

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

27.22.4.2.10.3 Test purpose

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

27.22.4.2.10.4 Method of test

27.22.4.2.10.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

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

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

27.22.4.2.10.4.2 Procedure

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

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

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

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

27.22.4.2.10.5 Test requirement

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

27.22.4.2.11 GET INKEY (UCS2 entry in Chinese)

27.22.4.2.11.1 Definition and applicability

See clause 3.2.2.

27.22.4.2.11.2 Conformance requirement

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

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

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

27.22.4.2.11.3 Test purpose

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

27.22.4.2.11.4 Method of test

27.22.4.2.11.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

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

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

27.22.4.2.11.4.2 Procedure

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

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

27.22.4.2.11.5 Test requirement

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

27.22.4.2.12 GET INKEY (UCS2 display in Katakana)

27.22.4.2.12.1 Definition and applicability

See clause 3.2.2.

27.22.4.2.12.2 Conformance requirement

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

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

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

27.22.4.2.12.3 Test purpose

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

27.22.4.2.12.4 Method of test

27.22.4.2.12.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

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

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

27.22.4.2.12.4.2 Procedure

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

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

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

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

27.22.4.2.12.5 Test requirement

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

27.22.4.2.13 GET INKEY (UCS2 entry in Katakana)

27.22.4.2.13.1 Definition and applicability

See clause 3.2.2.

27.22.4.2.13.2 Conformance requirement

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

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

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

27.22.4.2.13.3 Test purpose

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

27.22.4.2.13.4 Method of test

27.22.4.2.13.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

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

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

27.22.4.2.13.4.2 Procedure

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

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

27.22.4.2.13.5 Test requirement

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

27.22.4.3 GET INPUT

27.22.4.3.1 GET INPUT (normal)

27.22.4.3.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.3.1.2 Conformance requirement

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

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

27.22.4.3.1.3 Test purpose

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

27.22.4.3.1.4 Method of test

27.22.4.3.1.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

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

27.22.4.3.1.4.2 Procedure

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

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

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

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

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

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

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

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

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

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

Expected Sequence 1.6 (GET INPUT, backwards move)

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

Expected Sequence 1.7 (GET INPUT, abort)

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

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

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

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

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

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

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

27.22.4.3.1.5 Test requirement

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

27.22.4.3.2 GET INPUT (No response from User)

27.22.4.3.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.3.2.2 Conformance requirement

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

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

27.22.4.3.2.3 Test purpose

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

27.22.4.3.2.4 Method of test

27.22.4.3.2.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

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

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

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

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

27.22.4.3.2.4.2 Procedure

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

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

27.22.4.3.2.5 Test requirement

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

27.22.4.3.3 GET INPUT (UCS2 display in Cyrillic)

27.22.4.3.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.3.3.2 Conformance requirement

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

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

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

27.22.4.3.3.3 Test purpose

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

27.22.4.3.3.4 Method of test

27.22.4.3.3.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

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

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

27.22.4.3.3.4.2 Procedure

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

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

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

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

27.22.4.3.3.5 Test requirement

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

27.22.4.3.4 GET INPUT (UCS2 entry in Cyrillic)

27.22.4.3.4.1 Definition and applicability

See clause 3.2.2.

27.22.4.3.4.2 Conformance requirement

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

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

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

27.22.4.3.4.3 Test purpose

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

27.22.4.3.4.4 Method of test

27.22.4.3.4.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

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

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

27.22.4.3.4.4.2 Procedure

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

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

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

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

27.22.4.3.4.5 Test requirement

The ME shall operate in the manner defined in expected sequences 4.1 to 4.2.

27.22.4.3.5 GET INPUT (default text)

27.22.4.3.5.1 Definition and applicability

See clause 3.2.2.

27.22.4.3.5.2 Conformance requirement

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

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

27.22.4.3.5.3 Test purpose

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

27.22.4.3.5.4 Method of test

27.22.4.3.5.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

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

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

27.22.4.3.5.4.2 Procedure

Expected Sequence 5.1(GET INPUT, default text for the input, successful)

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

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

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

27.22.4.3.5.5 Test requirement

The ME shall operate in the manner defined in expected sequences 5.1 to 5.2.

27.22.4.3.6 GET INPUT (display of Icon)

27.22.4.3.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.3.6.2 Conformance requirement

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

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

27.22.4.3.6.3 Test purpose

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

27.22.4.3.6.4 Method of test

27.22.4.3.6.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

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

27.22.4.3.6.4.2 Procedure

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

27.22.4.3.6.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 6.1A to 6.4B.

27.22.4.3.7 GET INPUT (Help Information)

27.22.4.3.7.1 Definition and applicability

See clause 3.2.2.

27.22.4.3.7.2 Conformance requirement

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

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

27.22.4.3.7.3 Test purpose

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

27.22.4.3.7.4 Method of test

27.22.4.3.7.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

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

27.22.4.3.7.4.2 Procedure

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

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

27.22.4.3.7.5 Test requirement

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

27.22.4.3.8 GET INPUT (Support of Text Attribute)

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

27.22.4.3.8.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.3.8.1.2 Conformance requirement

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

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

27.22.4.3.8.1.3 Test purpose

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

27.22.4.3.8.1.4 Method of test

27.22.4.3.8.1.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

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

27.22.4.3.8.1.4.2 Procedure

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

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

27.22.4.3.8.1.5 Test requirement

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

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

27.22.4.3.8.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.3.8.2.2 Conformance requirement

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

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

27.22.4.3.8.2.3 Test purpose

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

27.22.4.3.8.2.4 Method of test

27.22.4.3.8.2.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

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

27.22.4.3.8.2.4.2 Procedure

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

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

27.22.4.3.8.2.5 Test requirement

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

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

27.22.4.3.8.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.3.8.3.2 Conformance requirement

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

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

27.22.4.3.8.3.3 Test purpose

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

27.22.4.3.8.3.4 Method of test

27.22.4.3.8.3.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

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

27.22.4.3.8.3.4.2 Procedure

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

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

27.22.4.3.8.3.5 Test requirement

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

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

27.22.4.3.8.4.1 Definition and applicability

See clause 3.2.2.

27.22.4.3.8.4.2 Conformance requirement

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

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

27.22.4.3.8.4.3 Test purpose

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

27.22.4.3.8.4.4 Method of test

27.22.4.3.8.4.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

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

27.22.4.3.8.4.4.2 Procedure

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

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

27.22.4.3.8.4.5 Test requirement

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

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

27.22.4.3.8.5.1 Definition and applicability

See clause 3.2.2.

27.22.4.3.8.5.2 Conformance requirement

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

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

27.22.4.3.8.5.3 Test purpose

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

27.22.4.3.8.5.4 Method of test

27.22.4.3.8.5.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

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

27.22.4.3.8.5.4.2 Procedure

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

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

27.22.4.3.8.5.5 Test requirement

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

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

27.22.4.3.8.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.3.8.6.2 Conformance requirement

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

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

27.22.4.3.8.6.3 Test purpose

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

27.22.4.3.8.6.4 Method of test

27.22.4.3.8.6.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

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

27.22.4.3.8.6.4.2 Procedure

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

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

27.22.4.3.8.6.5 Test requirement

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

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

27.22.4.3.8.7.1 Definition and applicability

See clause 3.2.2.

27.22.4.3.8.7.2 Conformance requirement

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

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

27.22.4.3.8.7.3 Test purpose

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

27.22.4.3.8.7.4 Method of test

27.22.4.3.8.7.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

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

27.22.4.3.8.7.4.2 Procedure

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

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

27.22.4.3.8.7.5 Test requirement

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

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

27.22.4.3.8.8.1 Definition and applicability

See clause 3.2.2.

27.22.4.3.8.8.2 Conformance requirement

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

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

27.22.4.3.8.8.3 Test purpose

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

27.22.4.3.8.8.4 Method of test

27.22.4.3.8.8.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

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

27.22.4.3.8.8.4.2 Procedure

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

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

27.22.4.3.8.8.5 Test requirement

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

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

27.22.4.3.8.9.1 Definition and applicability

See clause 3.2.2.

27.22.4.3.8.9.2 Conformance requirement

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

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

27.22.4.3.8.9.3 Test purpose

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

27.22.4.3.8.9.4 Method of test

27.22.4.3.8.9.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

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

27.22.4.3.8.9.4.2 Procedure

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

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

27.22.4.3.8.9.5 Test requirement

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

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

27.22.4.3.8.10.1 Definition and applicability

See clause 3.2.2.

27.22.4.3.8.10.2 Conformance requirement

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

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

27.22.4.3.8.10.3 Test purpose

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

27.22.4.3.8.10.4 Method of test

27.22.4.3.8.10.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

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

27.22.4.3.8.10.4.2 Procedure

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

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

27.22.4.3.8.10.5 Test requirement

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

27.22.4.3.9 GET INPUT (UCS2 display in Chinese)

27.22.4.3.9.1 Definition and applicability

See clause 3.2.2.

27.22.4.3.9.2 Conformance requirement

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

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

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

27.22.4.3.9.3 Test purpose

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

27.22.4.3.9.4 Method of test

27.22.4.3.9.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

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

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

27.22.4.3.9.4.2 Procedure

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

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

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

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

27.22.4.3.9.5 Test requirement

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

27.22.4.3.10 GET INPUT (UCS2 entry in Chinese)

27.22.4.3.10.1 Definition and applicability

See clause 3.2.2.

27.22.4.3.10.2 Conformance requirement

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

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

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

27.22.4.3.10.3 Test purpose

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

27.22.4.3.10.4 Method of test

27.22.4.3.10.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

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

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

27.22.4.3.10.4.2 Procedure

Expected Sequence 10.1 (GET INPUT, character set from UCS2 alphabet - Chinese characters, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.3.10.4.2, Expected Sequence 10.1.

Expected Sequence 10.2 (GET INPUT, character set from UCS2 alphabet - Chinese characters, Max length for the input, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.3.10.4.2, Expected Sequence 10.2.

27.22.4.3.10.5 Test requirement

The ME shall operate in the manner defined in expected sequences 10.1 to 10.2

27.22.4.3.11 GET INPUT (UCS2 display in Katakana)

27.22.4.3.11.1 Definition and applicability

See clause 3.2.2.

27.22.4.3.11.2 Conformance requirement

The ME shall support the GET INPUT command as defined in:

- TS 31.111 [15] clause 5.2, clause 6.4.3, clause 6.6.3, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.11, clause 8.15, clause 8.15.1, clause 8.15.2 and clause 8.15.3.

Additionally the ME shall support the UCS2 facility for the coding of the Katakana characters, as defined in the following technical specifications: ISO/IEC 10646 [17].

27.22.4.3.11.3 Test purpose

To verify that the ME displays the text contained in the GET INPUT proactive UICC command, and returns the text string entered in the TERMINAL RESPONSE command sent to the UICC.

27.22.4.3.11.4 Method of test

27.22.4.3.11.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The ME screen shall be in its normal stand-by display.

27.22.4.3.11.4.2 Procedure

Expected Sequence 11.1 (GET INPUT, text string coding in UCS2 in Katakana, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.3.11.4.2, Expected Sequence 11.1.

Expected Sequence 11.2 (GET INPUT, max length for the text string coding in UCS2 in Katakana, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.3.11.4.2, Expected Sequence 11.2.

27.22.4.3.11.5 Test requirement

The ME shall operate in the manner defined in expected sequences 11.1 to 11.2

27.22.4.3.12 GET INPUT (UCS2 entry in Katakana)

27.22.4.3.12.1 Definition and applicability

See clause 3.2.2.

27.22.4.3.12.2 Conformance requirement

The ME shall support the GET INPUT command as defined in:

- TS 31.111 [15] clause 5.2, clause 6.4.3, clause 6.6.3, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.11, clause 8.15, clause 8.15.1, clause 8.15.2 and clause 8.15.3.

Additionally the ME shall support the UCS2 facility for the coding of the Chinese character, as defined in ISO/IEC 10646 [17].

27.22.4.3.12.3 Test purpose

To verify that the ME displays the text contained in the GET INPUT proactive UICC command, and returns the text string entered in the TERMINAL RESPONSE command sent to the UICC.

27.22.4.3.12.4 Method of test

27.22.4.3.12.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The ME screen shall be in its normal stand-by display.

27.22.4.3.12.4.2 Procedure

Expected Sequence 12.1 (GET INPUT, character set from UCS2 alphabet in Katakana, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.3.12.4.2, Expected Sequence 12.1.

Expected Sequence 12.2 (GET INPUT, character set from UCS2 alphabet in Katakana, Max length for the input, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.3.12.4.2, Expected Sequence 12.2.

27.22.4.3.12.5 Test requirement

The ME shall operate in the manner defined in expected sequences 12.1 to 12.2.

27.22.4.4 MORE TIME

27.22.4.4.1 Definition and applicability

See clause 3.2.2.

27.22.4.4.2 Conformance requirement

The ME shall support the MORE TIME command as defined in:

- TS 31.111 [15] clause 6.4.4, clause 6.6.4, clause 5.2, clause 8.6 and clause 8.7.

27.22.4.4.3 Test purpose

To verify that the ME shall send a TERMINAL RESPONSE (OK) to the UICC after the ME receives the MORE TIME proactive UICC command.

27.22.4.4.4 Method of test

27.22.4.4.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

27.22.4.4.4.2 Procedure

Expected Sequence 1.1 (MORE TIME)

See ETSI TS 102 384 [26] in subclause 27.22.4.4.4.2, Expected Sequence 1.1.

27.22.4.4.5 Test requirement

The ME shall operate in the manner defined in expected sequence 1.1.

27.22.4.5 PLAY TONE

27.22.4.5.1 PLAY TONE (Normal)

27.22.4.5.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.5.1.2 Conformance requirement

The ME shall support the PLAY TONE command as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.5, clause 6.6.5, clause 5.2, clause 8.6, clause 8.7, clause 8.16 and clause 8.8.

27.22.4.5.1.3 Test purpose

To verify that the ME plays an audio tone of a type and duration contained in the PLAY TONE proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that the ME plays the requested audio tone through the earpiece whilst not in call and shall superimpose the tone on top of the downlink audio whilst in call.

To verify that the ME displays the text contained in the PLAY TONE proactive UICC command.

27.22.4.5.1.4 Method of test

27.22.4.5.1.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table. The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The ME screen shall be in its normal stand-by display.

27.22.4.5.1.4.2 Procedure

Expected Sequence 1.1 (PLAY TONE)

| Step | Direction | MESSAGE / Action | Comments | | | | |
|------|-----------------------------|--|---|--|--|--|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | | | | | |
| | ME LUCC | PENDING: PLAY TONE 1.1.1 | | | | | |
| 2 3 | $ME \to UICC$ $UICC \to ME$ | FETCH PROACTIVE COMMAND: PLAY | | | | | |
| ا | UIUU → IVIE | TONE 1.1.1 | | | | | |
| 4 | $ME \to USER$ | Display "Dial Tone" | | | | | |
| | | Play a standard supervisory dial | | | | | |
| | | tone through the external ringer for | | | | | |
| 5 | $ME \rightarrow UICC$ | a duration of 5 s TERMINAL RESPONSE: PLAY | [Command performed successfully] | | | | |
| | IVIL -> UICC | TONE 1.1.1 | [Command performed successfully] | | | | |
| 6 | $UICC \to ME$ | PROACTIVE UICC SESSION | | | | | |
| _ | | ENDED | | | | | |
| 7 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: PLAY TONE 1.1.2 | | | | | |
| 8 | $ME \rightarrow UICC$ | FETCH | | | | | |
| 9 | $UICC \to ME$ | PROACTIVE COMMAND: PLAY | | | | | |
| | | TONE 1.1.2 | | | | | |
| 10 | $ME \to USER$ | Display "Sub. Busy" | | | | | |
| | | Play a standard supervisory called subscriber busy tone for a duration | | | | | |
| | | of 5 s | | | | | |
| 11 | $ME \to UICC$ | TERMINAL RESPONSE: PLAY | [Command performed successfully] | | | | |
| 10 | 11100 | TONE 1.1.2 | | | | | |
| 12 | $UICC \to ME$ | PROACTIVE UICC SESSION ENDED | | | | | |
| 13 | $UICC \to ME$ | PROACTIVE COMMAND | | | | | |
| | | PENDING: PLAY TONE 1.1.3 | | | | | |
| 14 | ME → UICC | FETCH | | | | | |
| 15 | $UICC \to ME$ | PROACTIVE COMMAND: PLAY TONE 1.1.3 | | | | | |
| 16 | $ME \rightarrow USER$ | Display "Congestion" | | | | | |
| - | . 33210 | Play a standard supervisory | | | | | |
| | | congestion tone for a duration of 5 | | | | | |
| 17 | $ME \to UICC$ | S TERMINAL RESPONSE: PLAY | [Command performed successfully] | | | | |
| '' | | TONE 1.1.3 | [55a.ia ponominou successiully] | | | | |
| 18 | $UICC \to ME$ | PROACTIVE UICC SESSION | | | | | |
| 40 | | ENDED | | | | | |
| 19 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: PLAY TONE 1.1.4 | | | | | |
| 20 | $ME \to UICC$ | FETCH | | | | | |
| 21 | UICC → ME | PROACTIVE COMMAND: PLAY | | | | | |
| 000 | | TONE 1.1.4 | | | | | |
| 22 | $ME \rightarrow USER$ | Display "RP Ack" Play a standard supervisory radio | | | | | |
| | | path acknowledgement tone | | | | | |
| 23 | $ME \to UICC$ | TERMINAL RESPONSE: PLAY | [Command performed successfully] | | | | |
| | | TONE 1.1.4 | | | | | |
| 24 | $UICC \to ME$ | PROACTIVE UICC SESSION | | | | | |
| 25 | $UICC \to ME$ | PROACTIVE COMMAND | | | | | |
| | | PENDING: PLAY TONE 1.1.5 | | | | | |
| 26 | $ME \to UICC$ | FETCH | | | | | |
| 27 | $UICC \to ME$ | PROACTIVE COMMAND: PLAY | | | | | |
| 28 | $ME \rightarrow USER$ | TONE 1.1.5 Display "No RP" | [Note: The ME will only play three bursts as | | | | |
| 20 | IVIL → USEK | Play a standard supervisory radio | specified in TS 22.001 [2] | | | | |
| | | path not available / call dropped | 1-11 | | | | |
| | | tone for a duration of 5 s | [Common districts 1 1 1 1 1 1 1 1 1 | | | | |
| 29 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: PLAY TONE 1.1.5 | [Command performed successfully] | | | | |
| 1 1 | | LI OME 1.1.0 | 1 | | | | |

| Step | Direction | MESSAGE / Action | Comments | | | | |
|----------|---|---|---|--|--|--|--|
| 30 | UICC → ME | PROACTIVE UICC SESSION | Comments | | | | |
| | | ENDED | | | | | |
| 31 | $UICC \to ME$ | PROACTIVE COMMAND | | | | | |
| 32 | ME → UICC | PENDING: PLAY TONE 1.1.6 FETCH | | | | | |
| 33 | UICC → ME | PROACTIVE COMMAND: PLAY | | | | | |
| | O.CO / IVIL | TONE 1.1.6 | | | | | |
| 34 | $ME \to USER$ | Display "Spec Info" | | | | | |
| | | Play a standard supervisory error / | | | | | |
| | | special information tone for a duration of 5 s | | | | | |
| 35 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: PLAY | [Command performed successfully] | | | | |
| | | TONE 1.1.6 | | | | | |
| 36 | $UICC \to ME$ | PROACTIVE UICC SESSION | | | | | |
| 37 | $UICC \to ME$ | PROACTIVE COMMAND | | | | | |
|] 3, | | PENDING: PLAY TONE 1.1.7 | | | | | |
| 38 | $ME \to UICC$ | FETCH | | | | | |
| 39 | $UICC \to ME$ | PROACTIVE COMMAND: PLAY | | | | | |
| 40 | ME 	o USER | TONE 1.1.7 Display "Call Wait" | | | | | |
| 40 | IVIE -> USER | Play a standard supervisory call | | | | | |
| | | waiting tone for a duration of 5 s | | | | | |
| 41 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: PLAY | [Command performed successfully] | | | | |
| 42 | $UICC \to ME$ | PROACTIVE UICC SESSION | | | | | |
| 744 | UICC → IVIE | ENDED | | | | | |
| 43 | $UICC \to ME$ | PROACTIVE COMMAND | | | | | |
| | | PENDING: PLAY TONE 1.1.8 | | | | | |
| 44 45 | ME → UICC | FETCH PROACTIVE COMMAND: PLAY | | | | | |
| 40 | $UICC \to ME$ | TONE 1.1.8 | | | | | |
| 46 | $ME \rightarrow USER$ | Display "Ring Tone" | | | | | |
| | | Play a standard supervisory | | | | | |
| 47 | ME → UICC | ringing tone for duration of 5 s TERMINAL RESPONSE: PLAY | [Command performed successfully] | | | | |
| 4' | INIE → UICC | TONE 1.1.8 | [Command performed successfully] | | | | |
| 48 | $UICC \to ME$ | PROACTIVE UICC SESSION | | | | | |
| 4.5 | | ENDED | F. I. J. 400.450500 | | | | |
| 49 | $USER \to ME$ | Set up a voice call | User dials 123456789 to connect to the network manually | | | | |
| 50 | ME 	o USS | Establish voice call | [Voice call is established] | | | | |
| 51 | UICC → ME | PROACTIVE COMMAND | | | | | |
| | | PENDING: PLAY TONE 1.1.1 | | | | | |
| 52 53 | ME → UICC | PROACTIVE COMMAND: DLAY | | | | | |
| 53 | $UICC \to ME$ | PROACTIVE COMMAND: PLAY TONE 1.1.1 | | | | | |
| 54 | $ME \to USER$ | Display "Dial Tone" | | | | | |
| | | Superimpose the standard | | | | | |
| | | supervisory dial tone on the audio | | | | | |
| 55 | ME → UICC | downlink for the duration of 5 s TERMINAL RESPONSE: PLAY | [Command performed successfully] | | | | |
| | WIL / 0100 | TONE 1.1.1 | Le sumana ponomica successiany | | | | |
| 56 | $UICC \to ME$ | PROACTIVE UICC SESSION | | | | | |
| 57 | LICED . ME | ENDED The user ends the call | | | | | |
| 57 58 | $\begin{array}{c} USER \to ME \\ UICC \to ME \end{array}$ | PROACTIVE COMMAND | | | | | |
| | | PENDING: PLAY TONE 1.1.9 | | | | | |
| 59 | $ME \rightarrow UICC$ | FETCH | | | | | |
| 60 | $UICC \to ME$ | PROACTIVE COMMAND: PLAY | | | | | |
| 1 | I | TONE 1.1.9 | | | | | |

| Step | Direction | MESSAGE / Action | Comments | | | | |
|----------|---|--|--|--|--|--|--|
| 61 | ME → USER | Display "This command instructs | Comments | | | | |
| | | the ME to play an audio tone. | | | | | |
| | | Upon receiving this command, the ME shall check if it is currently in, | | | | | |
| | | or in the process of setting up | | | | | |
| | | (SET-UP message sent to the | | | | | |
| | | network, see GSM"04.08"(8)), a | | | | | |
| | | speech call If the ME I" Play a general beep | | | | | |
| 62 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: PLAY | [Command performed successfully] | | | | |
| | | TONE 1.1.9a | or | | | | |
| | | or TERMINAL RESPONSE: PLAY | [Command beyond ME's capabilities] | | | | |
| | | TONE 1.1.9b | | | | | |
| 63 | $UICC \to ME$ | PROACTIVE UICC SESSION | | | | | |
| 64 | $UICC \to ME$ | ENDED PROACTIVE COMMAND | | | | | |
| 04 | | PENDING: PLAY TONE 1.1.10 | | | | | |
| 65 | $ME \rightarrow UICC$ | FETCH | | | | | |
| 66 | $UICC \to ME$ | PROACTIVE COMMAND: PLAY TONE 1.1.10 | | | | | |
| 67 | ME → USER | Display "Beep" | | | | | |
| " | / 55210 | Play a ME proprietary general | | | | | |
| 00 | ME | beep | [Common dispersed common dispersed [1]] | | | | |
| 68 | $ME \to UICC$ | TERMINAL RESPONSE: PLAY TONE 1.1.10a | [Command performed successfully] or | | | | |
| | | Or | [Command beyond ME's capabilities] | | | | |
| | | TERMINAL RESPONSE: PLAY | | | | | |
| 69 | $UICC \to ME$ | TONE 1.1.10b PROACTIVE UICC SESSION | | | | | |
| | | ENDED | | | | | |
| 70 | $UICC \to ME$ | PROACTIVE COMMAND | | | | | |
| 71 | ME → UICC | PENDING: PLAY TONE 1.1.11 FETCH | | | | | |
| 72 | UICC → ME | PROACTIVE COMMAND: PLAY | | | | | |
| | | TONE 1.1.11 | | | | | |
| 73 | $ME \rightarrow USER$ | Display "Positive" Play a ME proprietary positive | | | | | |
| | | acknowledgement tone | | | | | |
| 74 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: PLAY | [Command performed successfully] | | | | |
| | | TONE 1.1.11a or | or [Command beyond ME's capabilities] | | | | |
| | | TERMINAL RESPONSE: PLAY | [Command Doyona ME o dapabilities] | | | | |
| | | TONE 1.1.11b | | | | | |
| 75 | $UICC \to ME$ | PROACTIVE UICC SESSION ENDED | | | | | |
| 76 | $UICC \to ME$ | PROACTIVE COMMAND | | | | | |
| | | PENDING: PLAY TONE 1.1.12 | | | | | |
| 77 78 | $ME \rightarrow UICC$ $UICC \rightarrow ME$ | FETCH PROACTIVE COMMAND: PLAY | | | | | |
| '0 | UICC → IVIE | TONE 1.1.12 | | | | | |
| 79 | $ME \rightarrow USER$ | Display "Negative" | | | | | |
| | | Play a ME proprietary negative acknowledgement tone | | | | | |
| 80 | ME → UICC | TERMINAL RESPONSE: PLAY | [Command performed successfully] | | | | |
| | / 3.00 | TONE 1.1.12a | or | | | | |
| | | OF | [Command beyond ME's capabilities] | | | | |
| | | TERMINAL RESPONSE: PLAY TONE 1.1.12b | | | | | |
| 81 | $UICC \to ME$ | PROACTIVE UICC SESSION | | | | | |
| 00 | | ENDED | | | | | |
| 82 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: PLAY TONE 1.1.13 | | | | | |
| 83 | $ME \rightarrow UICC$ | FETCH | | | | | |
| 84 | $UICC \to ME$ | PROACTIVE COMMAND: PLAY | | | | | |
| 1 | l | TONE 1.1.13 | | | | | |

| Step | Direction | MESSAGE / Action | Comments | | | | |
|------|-----------------------|------------------------------------|---|--|--|--|--|
| 85 | ME → USER | Display "Quick" | | | | | |
| | WIE 7 GOER | Play a ME proprietary general | | | | | |
| | | beep | | | | | |
| 86 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: PLAY | [Command performed successfully] | | | | |
| | | TONE 1.1.13a | or | | | | |
| | | or | [Command beyond ME's capabilities] | | | | |
| | | TERMINAL RESPONSE: PLAY | | | | | |
| | | TONE 1.1.13b | | | | | |
| 87 | $UICC \to ME$ | PROACTIVE UICC SESSION | | | | | |
| | | ENDED | | | | | |
| 88 | $UICC \to ME$ | PROACTIVE COMMAND | | | | | |
| | | PENDING: PLAY TONE 1.1.14 | | | | | |
| 89 | $ME \rightarrow UICC$ | FETCH | | | | | |
| 90 | $UICC \to ME$ | PROACTIVE COMMAND: PLAY | | | | | |
| | | TONE 1.1.14 | | | | | |
| 91 | $ME \rightarrow USER$ | Display " <abort>"</abort> | | | | | |
| | | Play an ME Error / Special | | | | | |
| | | information tone until user aborts | | | | | |
| | | this command (the command shall | | | | | |
| | | be aborted by the user within 1 | | | | | |
| | | minute) | [D | | | | |
| 92 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: PLAY | [Proactive UICC session terminated by the | | | | |
| 00 | | TONE 1.1.14 | user] | | | | |
| 93 | $UICC \to ME$ | PROACTIVE UICC SESSION | | | | | |
| 0.4 | | ENDED | | | | | |
| 94 | $UICC \to ME$ | PROACTIVE COMMAND | | | | | |
| 95 | ME LUCC | PENDING: PLAY TONE 1.1.15 FETCH | | | | | |
| 96 | ME → UICC | PROACTIVE COMMAND: PLAY | [No alpha identifier no tone tag no duration | | | | |
| 90 | $UICC \to ME$ | TONE 1.1.15 | [No alpha identifier, no tone tag, no duration tag] | | | | |
| 97 | ME → User | ME plays general beep, or if not | ME uses default duration defined by | | | | |
| 91 | IVIE → USEI | supported any (defined by ME- | ME-manufacturer] | | | | |
| | | manufacturer) other supported | INIL-IIIalidiacidieij | | | | |
| | | tone | | | | | |
| 98 | ME → UICC | TERMINAL RESPONSE: PLAY | [Command performed successfully], [ME uses | | | | |
| | IVIL 70100 | TONE 1.1.15 | general beep, or if not supported any (defined | | | | |
| | | 10112 111110 | by ME-manufacturer) other supported tone, | | | | |
| | | | uses default duration defined by | | | | |
| | | | ME-manufacturer] | | | | |
| 99 | $UICC \to ME$ | PROACTIVE UICC SESSION | · | | | | |
| | | ENDED | | | | | |

For coding, see ETSI TS 102 384 [26] in subclause 27.22.4.5.1.4.2, Expected Sequence 1.1.

27.22.4.5.1.5 Test requirement

The ME shall operate in the manner defined in expected sequence 1.1.

27.22.4.5.2 PLAY TONE (UCS2 display in Cyrillic)

27.22.4.5.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.5.2.2 Conformance requirement

The ME shall support the PLAY TONE command as defined in:

TS 31.111 [15] clause 5.2, clause 6.4.3, clause 6.6.3, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.2, clause 8.16 and clause 8.8.

Additionally the ME shall support the UCS2 facility for the coding of the Cyrillic alphabet, as defined in ISO/IEC 10646 [17].

27.22.4.5.2.3 Test purpose

To verify that the ME displays the text contained in the PLAY TONE proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that the ME plays the requested audio tone through the earpiece.

27.22.4.5.2.4 Method of test

27.22.4.5.2.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The ME screen shall be in its normal stand-by display.

27.22.4.5.2.4.2 Procedure

Expected Sequence 2.1 (PLAY TONE, character set from UCS2 alphabet in Russian, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.5.2.4.2, Expected Sequence 2.1.

27.22.4.5.2.5 Test requirement

The ME shall operate in the manner defined in expected sequence 2.1.

27.22.4.5.3 PLAY TONE (display of Icon)

27.22.4.5.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.5.3.2 Conformance requirement

The ME shall support the PLAY TONE command as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.5, clause 6.6.5, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.16, clause 8.8 and clause 8.31.

27.22.4.5.3.3 Test purpose

To verify that the ME plays an audio tone of a type and duration contained in the PLAY TONE proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that the ME plays the requested audio tone through the earpiece.

To verify that the ME displays the icon contained in the PLAY TONE proactive UICC command.

27.22.4.5.3.4 Method of test

27.22.4.5.3.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The ME screen shall be in its normal stand-by display.

27.22.4.5.3.4.2 Procedure

Expected Sequence 3.1A (PLAY TONE, Basic icon, self-explanatory, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.5.3.4.2, Expected Sequence 3.1A.

Expected Sequence 3.1B (PLAY TONE, Basic icon, self-explanatory, requested icon could not be displayed)

See ETSI TS 102 384 [26] in subclause 27.22.4.5.3.4.2, Expected Sequence 3.1B.

Expected Sequence 3.2A (PLAY TONE, Basic icon, non self-explanatory, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.5.3.4.2, Expected Sequence 3.2A.

Expected Sequence 3.2B (PLAY TONE, Basic icon, non self-explanatory, requested icon could not be displayed)

See ETSI TS 102 384 [26] in subclause 27.22.4.5.3.4.2, Expected Sequence 3.2B.

Expected Sequence 3.3A (PLAY TONE, Colour icon, self-explanatory, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.5.3.4.2, Expected Sequence 3.3A.

Expected Sequence 3.3B (PLAY TONE, Colour icon, self-explanatory, requested icon could not be displayed)

See ETSI TS 102 384 [26] in subclause 27.22.4.5.3.4.2, Expected Sequence 3.3B.

Expected Sequence 3.4A (PLAY TONE, Colour icon, non self-explanatory, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.5.3.4.2, Expected Sequence 3.4A.

Expected Sequence 3.4B (PLAY TONE, Colour icon, non self-explanatory, requested icon could not be displayed)

See ETSI TS 102 384 [26] in subclause 27.22.4.5.3.4.2, Expected Sequence 3.4B.

27.22.4.5.3.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 3.1A to 3.4B.

27.22.4.5.4 PLAY TONE (Support of Text Attribute)

27.22.4.5.4.1 PLAY TONE (Support of Text Attribute – Left Alignment)

27.22.4.5.4.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.5.4.1.2 Conformance requirement

The ME shall support the PLAY TONE command as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.5, clause 6.6.5, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.16, clause 8.8, clause 8.31 and clause 8.70.

27.22.4.5.4.1.3 Test purpose

To verify that the ME displays the text formatted according to the left alignment text attribute configuration contained in the PLAY TONE proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

27.22.4.5.4.1.4 Method of test

27.22.4.5.4.1.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The ME screen shall be in its normal stand-by display.

27.22.4.5.4.1.4.2 Procedure

Expected Sequence 4.1 (PLAY TONE, Text Attribute – Left Alignment)

See ETSI TS 102 384 [26] in subclause 27.22.4.5.4.1.4.2, Expected Sequence 4.1.

27.22.4.5.4.1.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 4.1.

27.22.4.5.4.2 PLAY TONE (Support of Text Attribute – Center Alignment)

27.22.4.5.4.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.5.4.2.2 Conformance requirement

The ME shall support the PLAY TONE command as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.5, clause 6.6.5, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.16, clause 8.8, clause 8.31 and clause 8.70.

27.22.4.5.4.2.3 Test purpose

To verify that the ME displays the text formatted according to the center alignment text attribute configuration contained in the PLAY TONE proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

27.22.4.5.4.2.4 Method of test

27.22.4.5.4.2.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The ME screen shall be in its normal stand-by display.

27.22.4.5.4.2.4.2 Procedure

Expected Sequence 4.2 (PLAY TONE, Text Attribute – Centre Alignment)

See ETSI TS 102 384 [26] in subclause 27.22.4.5.4.2.4.2, Expected Sequence 4.2.

27.22.4.5.4.2.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 4.2.

27.22.4.5.4.3 PLAY TONE (Support of Text Attribute – Right Alignment)

27.22.4.5.4.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.5.4.3.2 Conformance requirement

The ME shall support the PLAY TONE command as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.5, clause 6.6.5, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.16, clause 8.8, clause 8.31 and clause 8.70.

27.22.4.5.4.3.3 Test purpose

To verify that the ME displays the text formatted according to the right alignment text attribute configuration contained in the PLAY TONE proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

27.22.4.5.4.3.4 Method of test

27.22.4.5.4.3.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The ME screen shall be in its normal stand-by display.

27.22.4.5.4.3.4.2 Procedure

Expected Sequence 4.3 (PLAY TONE, Text Attribute – Right Alignment)

See ETSI TS 102 384 [26] in subclause 27.22.4.5.4.3.4.2, Expected Sequence 4.3.

27.22.4.5.4.3.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 4.3.

27.22.4.5.4.4 PLAY TONE (Support of Text Attribute – Large Font Size)

27.22.4.5.4.4.1 Definition and applicability

See clause 3.2.2.

27.22.4.5.4.4.2 Conformance requirement

The ME shall support the PLAY TONE command as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.5, clause 6.6.5, clause 5.2, clause 8.6, clause 8.7, clause 8.16, clause 8.8, clause 8.31 and clause 8.70.

27.22.4.5.4.4.3 Test purpose

To verify that the ME displays the text formatted according to the large font size text attribute configuration contained in the PLAY TONE proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

27.22.4.5.4.4.4 Method of test

27.22.4.5.4.4.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The ME screen shall be in its normal stand-by display.

27.22.4.5.4.4.4.2 Procedure

Expected Sequence 4.4 (PLAY TONE, Text Attribute – Large Font Size)

See ETSI TS 102 384 [26] in subclause 27.22.4.5.4.4.2, Expected Sequence 4.4.

27.22.4.5.4.4.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 4.4.

27.22.4.5.4.5 PLAY TONE (Support of Text Attribute – Small Font Size)

27.22.4.5.4.5.1 Definition and applicability

See clause 3.2.2.

27.22.4.5.4.5.2 Conformance requirement

The ME shall support the PLAY TONE command as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.5, clause 6.6.5, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.16, clause 8.8, clause 8.31 and clause 8.70.

27.22.4.5.4.5.3 Test purpose

To verify that the ME displays the text formatted according to the small font size text attribute configuration contained in the PLAY TONE proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

27.22.4.5.4.5.4 Method of test

27.22.4.5.4.5.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The ME screen shall be in its normal stand-by display.

27.22.4.5.4.5.4.2 Procedure

Expected Sequence 4.5 (PLAY TONE, Text Attribute – Small Font Size)

See ETSI TS 102 384 [26] in subclause 27.22.4.5.4.2, Expected Sequence 4.5.

27.22.4.5.4.5.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 4.5.

27.22.4.5.4.6 PLAY TONE (Support of Text Attribute – Bold On)

27.22.4.5.4.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.5.4.6.2 Conformance requirement

The ME shall support the PLAY TONE command as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.5, clause 6.6.5, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.16, clause 8.8, clause 8.31 and clause 8.70.

27.22.4.5.4.6.3 Test purpose

To verify that the ME displays the text formatted according to the bold text attribute configuration contained in the PLAY TONE proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

27.22.4.5.4.6.4 Method of test

27.22.4.5.4.6.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The ME screen shall be in its normal stand-by display.

27.22.4.5.4.6.4.2 Procedure

Expected Sequence 4.6 (PLAY TONE, Text Attribute – Bold On)

See ETSI TS 102 384 [26] in subclause 27.22.4.5.4.6.4.2, Expected Sequence 4.6.

27.22.4.5.4.6.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 4.6.

27.22.4.5.4.7 PLAY TONE (Support of Text Attribute – Italic On)

27.22.4.5.4.7.1 Definition and applicability

See clause 3.2.2.

27.22.4.5.4.7.2 Conformance requirement

The ME shall support the PLAY TONE command as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.5, clause 6.6.5, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.16, clause 8.8, clause 8.31 and clause 8.70.

27.22.4.5.4.7.3 Test purpose

To verify that the ME displays the text formatted according to the italic text attribute configuration contained in the PLAY TONE proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

174

27.22.4.5.4.7.4 Method of test

27.22.4.5.4.7.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The ME screen shall be in its normal stand-by display.

27.22.4.5.4.7.4.2 Procedure

Expected Sequence 4.7 (PLAY TONE, Text Attribute – Italic On)

See ETSI TS 102 384 [26] in subclause 27.22.4.5.4.7.4.2, Expected Sequence 4.7.

27.22.4.5.4.7.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 4.7.

27.22.4.5.4.8 PLAY TONE (Support of Text Attribute – Underline On)

27.22.4.5.4.8.1 Definition and applicability

See clause 3.2.2.

27.22.4.5.4.8.2 Conformance requirement

The ME shall support the PLAY TONE command as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.5, clause 6.6.5, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.16, clause 8.8, clause 8.31 and clause 8.70.

27.22.4.5.4.8.3 Test purpose

To verify that the ME displays the text formatted according to the underline text attribute configuration contained in the PLAY TONE proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

27.22.4.5.4.8.4 Method of test

27.22.4.5.4.8.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The ME screen shall be in its normal stand-by display.

27.22.4.5.4.8.4.2 Procedure

Expected Sequence 4.8 (PLAY TONE, Text Attribute – Underline On)

See ETSI TS 102 384 [26] in subclause 27.22.4.5.4.8.4.2, Expected Sequence 4.8.

27.22.4.5.4.8.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 4.8.

27.22.4.5.4.9 PLAY TONE (Support of Text Attribute – Strikethrough On)

27.22.4.5.4.9.1 Definition and applicability

See clause 3.2.2.

27.22.4.5.4.9.2 Conformance requirement

The ME shall support the PLAY TONE command as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.5, clause 6.6.5, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.16, clause 8.8, clause 8.31 and clause 8.70.

27.22.4.5.4.9.3 Test purpose

To verify that the ME displays the text formatted according to the strikethrough text attribute configuration contained in the PLAY TONE proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

27.22.4.5.4.9.4 Method of test

27.22.4.5.4.9.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The ME screen shall be in its normal stand-by display.

27.22.4.5.4.9.4.2 Procedure

Expected Sequence 4.9 (PLAY TONE, Text Attribute – Strikethrough On)

See ETSI TS 102 384 [26] in subclause 27.22.4.5.4.9.4.2, Expected Sequence 4.9.

27.22.4.5.4.9.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 4.9.

27.22.4.5.4.10 PLAY TONE (Support of Text Attribute – Foreground and Background Colour)

27.22.4.5.4.10.1 Definition and applicability

See clause 3.2.2.

27.22.4.5.4.10.2 Conformance requirement

The ME shall support the PLAY TONE command as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.5, clause 6.6.5, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.16, clause 8.8, clause 8.31 and clause 8.70.

27.22.4.5.4.10.3 Test purpose

To verify that the ME displays the text formatted according to the foreground and background colour text attribute configuration contained in the PLAY TONE proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

27.22.4.5.4.10.4 Method of test

27.22.4.5.4.10.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The ME screen shall be in its normal stand-by display.

27.22.4.5.4.10.4.2 Procedure

Expected Sequence 4.10 (PLAY TONE, Text Attribute – Foreground and Background Colour)

See ETSI TS 102 384 [26] in subclause 27.22.4.5.4.10.4.2, Expected Sequence 4.10.

27.22.4.5.4.10.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 4.10.

27.22.4.5.5 PLAY TONE (UCS2 display in Chinese)

27.22.4.5.5.1 Definition and applicability

See clause 3.2.2.

27.22.4.5.5.2 Conformance requirement

The ME shall support the PLAY TONE command as defined in:

- TS 31.111 [15] clause 5.2, clause 6.4.3, clause 6.6.3, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.2, clause 8.16 and clause 8.8.

Additionally the ME shall support the UCS2 facility for the coding of the Chinese characters, as defined in ISO/IEC 10646 [17].

27.22.4.5.5.3 Test purpose

To verify that the ME displays the text contained in the PLAY TONE proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that the ME plays the requested audio tone through the earpiece.

27.22.4.5.5.4 Method of test

27.22.4.5.5.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The ME screen shall be in its normal stand-by display.

27.22.4.5.5.4.2 Procedure

Expected Sequence 5.1 (PLAY TONE, character set from UCS2 alphabet in Chinese, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.5.5.4.2, Expected Sequence 5.1.

27.22.4.5.5.5 Test requirement

The ME shall operate in the manner defined in expected sequence 5.1.

27.22.4.5.6 PLAY TONE (UCS2 display in Katakana)

27.22.4.5.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.5.6.2 Conformance requirement

The ME shall support the PLAY TONE command as defined in:

- TS 31.111 [15] clause 5.2, clause 6.4.3, clause 6.6.3, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.2, clause 8.16 and clause 8.8.

Additionally the ME shall support the UCS2 facility for the coding of the Katakana characters, as defined in ISO/IEC 10646 [17].

27.22.4.5.6.3 Test purpose

To verify that the ME displays the text contained in the PLAY TONE proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that the ME plays the requested audio tone through the earpiece.

27.22.4.5.6.4 Method of test

27.22.4.5.6.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The ME screen shall be in its normal stand-by display.

27.22.4.5.6.4.2 Procedure

Expected Sequence 6.1 (PLAY TONE, with UCS2 in Katakana, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.5.6.4.2, Expected Sequence 6.1.

27.22.4.5.6.5 Test requirement

The ME shall operate in the manner defined in expected sequence 6.1.

27.22.4.6 POLL INTERVAL

27.22.4.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.6.2 Conformance requirement

The ME shall support the POLL INTERVAL command as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.6, clause 6.6.6, clause 5.2, clause 8.6, clause 8.7 and clause 8.8.

27.22.4.6.3 Test purpose

To verify that the ME shall send a TERMINAL RESPONSE (OK) to the UICC after the ME receives the POLL INTERVAL proactive UICC command.

To verify that the ME gives a valid response to the polling interval requested by the UICC.

To verify that the ME sends STATUS commands to the UICC at an interval no longer than the interval negotiated by the UICC.

27.22.4.6.4 Method of test

27.22.4.6.4.1 Initial conditions

The ME is connected to the USIM Simulator.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

27.22.4.6.4.2 Procedure

See ETSI TS 102 384 [26] in subclause 27.22.4.6.4.2, Expected Sequence 1.1.

Note: If the requested poll interval is not supported by the ME, the ME is allowed to use a different one as stated in TS 31.111 [15], subclause 6.4.6.

27.22.4.6.5 Test requirement

The ME shall operate in the manner defined in expected sequence 1.1.

27.22.4.7 REFRESH

27.22.4.7.1 REFRESH (normal)

27.22.4.7.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.7.1.2 Conformance requirement

The ME shall support the REFRESH command as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.7, clause 6.6.13, clause 5.2, clause 8.6, clause 8.7 and clause 8.18.

Consequently the ME shall support the USIM Initialization procedure as defined in:

- TS 31.102 [14] clause 5.1.1.2 and ETSI TS 102 221[13] clause 11.1.2

27.22.4.7.1.3 Test purpose

To verify that the ME performs the Proactive Command – REFRESH in accordance with the Command Qualifier. This shall require the ME to perform:

- the UICC and USIM initialization,
- a re-read of the contents and structure of the EFs on the UICC that have been notified as changed and are either part of initialization or used during the test,
- a restart of the card session,
- a successfull return of the result of the execution of the command in the TERMINAL RESPONSE command send to the UICC.

27.22.4.7.1.4 Method of test

27.22.4.7.1.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table..

The elementary files are coded as Toolkit default except for expected sequence 1.3.

For expected sequence 1.3 the global phonebook shall be present.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

These values might be overwritten with values defined in the expected sequences itself.

Prior to the execution of expected sequence 1.2 the FDN service shall be enabled.

27.22.4.7.1.4.2 Procedure

Expected Sequence 1.1 (REFRESH, USIM Initialization)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--------------------------------------|--|
| 1 | $UICC \rightarrow ME$ | PROACTIVE COMMAND | [To inform the ME that FDN becomes |
| | | PENDING: REFRESH 1.1.1 | enabled] |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: | |
| | | REFRESH 1.1.1 | |
| 4 | UICC | EF EST contents states FDN | [New EF EST value: 01] |
| | | enabled | |
| 5 | $ME \rightarrow UICC$ | USIM Initialization including send | [ME performs USIM initialization in |
| | NAT 11100 | STATUS[P1='01'] | accordance with TS 31.111 [15] clause 6.4.7] |
| 6 | ME → UICC | TERMINAL RESPONSE: REFRESH 1.1.1A | [normal ending] |
| | | Or | |
| | | TERMINAL RESPONSE: | [additional EFs read] |
| | | REFRESH 1.1.1B | [additional Et 3 fead] |
| 7 | $UICC \rightarrow MF$ | PROACTIVE UICC SESSION | |
| | 0.00 / | ENDED | |
| 8 | $USER \to ME$ | Call setup to "321" | |
| 9 | $ME \rightarrow USER$ | Call set up not allowed | |
| 10 | $USER \to ME$ | Call setup to "123" | |
| 11 | $ME \to USS$ | Setup | Called party BCD number shall be "123" |

PROACTIVE COMMAND: REFRESH 1.1.1

Logically:

Command details

Command number:

Command type: REFRESH

Command qualifier: USIM Initialization

Device identities

Source device: UICC Destination device: ME

Coding:

| BER-TLV: | D0 | 09 | 81 | 03 | 01 | 01 | 03 | 82 | 02 | 81 | 82 | |
|----------|----|----|----|----|----|----|----|----|----|----|----|--|

TERMINAL RESPONSE: REFRESH 1.1.1A

Logically:

Command details

Command number: 1

REFRESH Command type: **USIM** Initialization

Command qualifier:

Device identities

Source device: ME Destination device: **UICC**

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 01 | 03 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|------------|----|----|----|----|----|----|----|----|----|----------|----|
| D | O . | 00 | | | 00 | | ~_ | | | | . | |

TERMINAL RESPONSE: REFRESH 1.1.1B

Logically:

Command details

Command number: 1

REFRESH Command type:

Command qualifier: **USIM** Initialization

Device identities

Source device: MEDestination device: UICC

Result

General Result: REFRESH performed with additional EFs read

Coding:

| BER-TLV: | 81 | 03 | 01 | 01 | 03 | 82 | 02 | 82 | 81 | 83 | 01 | 03 |
|-----------|------|----|----------|----------|----|----------|----|----|----|----|----------|----|
| DEIX IEV. | , o. | | . | . | 00 | <u> </u> | | | | | . | |

Expected Sequence 1.2 (REFRESH, File Change Notification)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | [To inform the ME that EF FDN will be in an |
| | | PENDING: REFRESH 1.2.1 | updated state, FDN service already enabled] |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: REFRESH 1.2.1 | |
| 4 | UICC | Update EF FDN RECORD 1 | [EF FDN record 1 updated to contain the dialling string "0123456789"] |
| 5 | ME → UICC | TERMINAL RESPONSE: REFRESH 1.2.1A Or | [normal ending] |
| | | TERMINAL RESPONSE: REFRESH 1.2.1B | [additional EFs read] |
| 6 | $UICC \to ME$ | PROACTIVE UICC SESSION ENDED | |
| 7 | $USER \to ME$ | Call setup to "123" | |
| 8 | $ME \rightarrow USER$ | Call set up not allowed | |
| 9 | $USER \to ME$ | Call setup to "0123456789" | |
| 10 | $ME \rightarrow USS$ | Setup | Called party BCD number shall be "0123456789" |

PROACTIVE COMMAND: REFRESH 1.2.1

Logically:

Command details

Command number: 1

Command type: **REFRESH** Command qualifier: File Change Notification

Device identities

Source device: UICC
Destination device: ME
File List: EF FDN

Coding:

| BER-TLV: | D0 | 12 | 81 | 03 | 01 | 01 | 01 | 82 | 02 | 81 | 82 | 92 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| • | 07 | 01 | 3F | 00 | 7F | FF | 6F | 3B | | | | |

TERMINAL RESPONSE: REFRESH 1.2.1A

Logically:

Command details

Command number: 1

Command type: REFRESH

Command qualifier: File Change Notification

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 01 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

TERMINAL RESPONSE: REFRESH 1.2.1B

Logically:

Command details

Command number: 1

Command type: REFRESH

Command qualifier: File Change Notification

Device identities

Source device: ME
Destination device: UICC

Result

General Result: REFRESH performed with additional EFs read

| BER-TLV: | 81 | 03 | l 01 | l 01 | 01 | 82 | 02 | 82 | l 81 | 83 | 01 | 03 |
|----------|----|----|------|------|----|----|----|----|------|----|----|----|

Expected Sequence 1.3 (REFRESH, USIM Initialization and File Change Notification)

| Step | Direction | MESSAGE / Action | Comments |
|------|------------------|--------------------------------------|--|
| 1 | $UICC \to$ | PROACTIVE COMMAND | |
| | ME | PENDING: REFRESH 1.3.1 | |
| 2 | $ME \to$ | FETCH | |
| | UICC | | |
| 3 | $UICC \to$ | PROACTIVE COMMAND: | |
| | ME | REFRESH 1.3.1 | |
| 4 | UICC | Update EF ADN in the global | [EF ADN entry 1 of the global phonebook to |
| | | phonebook | contain the the new and previously unused |
| | | | alpha identifier "Changed" |
| 5 | $ME \to$ | USIM Initialization including | [ME performs USIM initialization in |
| | UICC | sending STATUS [P1='01'] | accordance with TS 31.111 [15] clause 6.4.7] |
| 6 | $ME \rightarrow$ | TERMINAL RESPONSE: | [normal ending] |
| | UICC | REFRESH 1.3.1A | |
| | | Or TERMINAL RESPONSE: | [additional EEs road] |
| | | REFRESH 1.3.1B | [additional EFs read] |
| 7 | $UICC \to$ | PROACTIVE UICC SESSION | |
| ' | MF | ENDED | |
| 8 | USER → | Use an MMI dependent procedure | [To ensure that EF ADN in the global |
| | ME | to display the entry with the alpha | phonebook has been read after issuing the |
| | | identifier "Changed" stored in | Refresh command] |
| | | record 1 of EF ADN in the global | • |
| | | phonebook | |
| 9 | ME 	o | The ME shall display the alpha | |
| | USER | identifier "Changed" for record 1 of | |
| | | EF ADN in the global phonebook | |

PROACTIVE COMMAND: REFRESH 1.3.1

Logically:

Command details

Command number: 1

Command type: REFRESH

Command qualifier: USIM Initialization and File Change Notification

Device identities

Source device: UICC Destination device: ME

File List: ADN in the global phonebook

Coding:

| BER-TLV: | D0 | 12 | 81 | 03 | 01 | 01 | 02 | 82 | 02 | 81 | 82 | 92 |
|----------|--------|----|----|----|----|----|----|----|----|----|----|----|
| | Note 1 | | | | | | | | | | | |

Note 1: Length and data of the file list TLV depend on the card configuration used in this test. The global phonebook shall be used. The number of changed files shall be set to '01'.

TERMINAL RESPONSE: REFRESH 1.3.1A

Logically:

Command details

Command number: 1

Command type: REFRESH

Command qualifier: USIM Initialization and File Change Notification

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 01 | 02 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | | | | | | | | | | | | |

TERMINAL RESPONSE: REFRESH 1.3.1B

Logically:

Command details

Command number: 1

Command type: REFRESH

Command qualifier: USIM Initialization and File Change Notification

Device identities

Source device: ME
Destination device: UICC

Result

General Result: REFRESH performed with additional EFs read

Coding:

| BER-TLV: | 81 | 03 | 01 | 01 | 02 | 82 | 02 | 82 | 81 | 83 | 01 | 03 | 1 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|---|
|----------|----|----|----|----|----|----|----|----|----|----|----|----|---|

Expected Sequence 1.4 (REFRESH, USIM Initialization and Full File Change Notification)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|------------------------------------|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: REFRESH 1.4.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: | |
| | | REFRESH 1.4.1 | |
| 4 | UICC | EF EST contents states FDN enabled | [New EF EST value: 01] |
| 5 | UICC | Update EF FDN | [EF FDN record 1 updated to contain the |
| _ | | | dialling string "0123456789"] |
| 6 | $ME \rightarrow UICC$ | USIM Initialization including send | [ME performs USIM initialization in |
| _ | | STATUS[P1='01'] | accordance with TS 31.111 [15] clause 6.4.7] |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: | [normal ending] |
| | | REFRESH 1.4.1A | |
| | | Or | foddisional EEs as all |
| | | TERMINAL RESPONSE: | [additional EFs read] |
| | | REFRESH 1.4.1B | |
| 8 | UICC → ME | PROACTIVE UICC SESSION ENDED | |
| 9 | $USER \to ME$ | Call setup to "321" | |
| 10 | $ME \rightarrow USER$ | Call set up not allowed | |
| 11 | $USER \to ME$ | Call setup to "0123456789" | |
| 12 | $ME \rightarrow USS$ | Setup | Called party BCD number shall be |
| | | · | "0123456789" |

PROACTIVE COMMAND: REFRESH 1.4.1

Logically:

Command details

Command number:

Command type: REFRESH

Command qualifier: USIM Initialization and Full File Change Notification

Device identities

Source device: UICC Destination device: ME

| BER-TLV: | D0 | 09 | 81 | 03 | 01 | 01 | 00 | 82 | 02 | 81 | 82 |
|----------|----|----|----|----|----|----|----|----|----|----|----|

TERMINAL RESPONSE: REFRESH 1.4.1A

Logically:

Command details

Command number: 1

Command type: REFRESH

Command qualifier: USIM Initialization and Full file Change Notification

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 01 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|-----------|----|----|-----|-----|----|----|----|----|----|----|-----|----|
| DLIX-ILV. | 01 | 03 | O I | O I | 00 | 02 | 02 | 02 | 01 | 00 | O I | 00 |

TERMINAL RESPONSE: REFRESH 1.4.1B

Logically:

Command details

Command number:

Command type: REFRESH

Command qualifier: USIM Initialization and full File change Notification

Device identities

Source device: ME
Destination device: UICC

Result

General Result: REFRESH performed with additional EFs read

Coding:

| BER-TLV: | 81 | 03 | 01 | 01 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 03 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

Expected Sequence 1.5 (REFRESH, UICC Reset)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|-------------------------------------|---|
| 1 | $UICC \rightarrow ME$ | PROACTIVE COMMAND | |
| | | PENDING: REFRESH 1.5.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: | |
| | | REFRESH 1.5.1 | |
| 4 | $ME \rightarrow UICC$ | STATUS[P1='02'] | ME indicates to USIM that the termination |
| | | | procedure is starting |
| 5 | $ME \rightarrow UICC$ | ME resets the UICC, performs | |
| | | USIM initialisation, including send | |
| | | STATUS[P1='01'] and | |
| | | no TERMINAL RESPONSE shall | |
| | | be sent | |

PROACTIVE COMMAND: REFRESH 1.5.1

Logically:

Command details

Command number: 1

Command type: REFRESH

Command qualifier: UICC Reset

Device identities

Source device: UICC Destination device: ME

Coding:

| BER-TLV: | D0 | 09 | 81 | 03 | 01 | 01 | 04 | 82 | 02 | 81 | 82 | |
|----------|----|----|----|----|----|----|----|----|----|----|----|--|

Expected Sequence 1.6 (REFRESH, USIM Initialization after SMS-PP data download)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--|--|
| 1 | ME | The ME shall be in its normal idle mode | [Start a sequence to verify that the ME returns the RP-ACK message back to the USS, if the |
| | | iniode | UICC responds with '90 00'] |
| 2 | $USS \to ME$ | SMS-PP Data Download Message | |
| | | 1.6.1 | |
| 3 | $ME \rightarrow USER$ | The ME shall not display the | |
| | | message or alert the user of a short message waiting | |
| 4 | $ME \rightarrow UICC$ | ENVELOPE: SMS-PP | |
| | WE 70100 | DOWNLOAD 1.6.1 | |
| 5 | $UICC \to ME$ | SW1/SW2 of '90 00' | |
| 6 | $ME \to USS$ | RP-ACK | |
| 7 | $UICC \to ME$ | PROACTIVE COMMAND | |
| 8 | ME → UICC | PENDING: REFRESH 1.1.1 FETCH | |
| 9 | / 0.00 | PROACTIVE COMMAND: | |
| | | REFRESH 1.1.1 | |
| 10 | UICC | EF EST contents states FDN | [New EF EST value: 01] |
| | | enabled | |
| 11 | $ME \rightarrow UICC$ | USIM Initialization including send STATUS[P1='01'] | [ME performs USIM initialization in accordance with TS 31.111 [15] clause 6.4.7] |
| 12 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: | [normal ending] |
| '- | WL → OICC | REFRESH 1.1.1A | [normal origing] |
| | | Or | |
| | | TERMINAL RESPONSE: | [additional EFs read] |
| 13 | 11100 145 | REFRESH 1.1.1B | |
| 13 | $UICC \to ME$ | PROACTIVE UICC SESSION ENDED | |
| 14 | $USER \to ME$ | Call setup to "321" | |
| 15 | ME → USER | Call set up not allowed | |
| 16 | $USER \to ME$ | Call setup to "123" | |
| 17 | $ME \to USS$ | Setup | Called party BCD number shall be "123" |

SMS-PP (Data Download) Message 1.6.1

Logically:

| SMS TPDU | |
|----------|---|
| TP-MTI | SMS-DELIVER |
| TP-MMS | No more messages waiting for the MS in this SC |
| TP-RP | TP-Reply-Path is not set in this SMS-DELIVER |
| TP-UDHI | TP-UD field contains only the short message |
| TP-SRI | A status report will not be returned to the SME |
| TP-OA | • |
| TON | International number |
| NPI | "ISDN / telephone numbering plan" |

NPI ISDN / telephone numbering plan

Address value "1234"

TP-PID (U)SIM Data download

TP-DCS

Coding Group General Data Coding Compression Text is uncompressed Message Class Class 2 (U)SIM Specific Message

Alphabet 8 bit data

TP-SCTS: 01/01/98 00:00:00 +0

TP-UDL 13

TP-UD "Short Message"

Coding:

| Coding | 04 | 04 | 91 | 21 | 43 | 7F | 16 | 89 | 10 | 10 | 00 | 00 |
|--------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | 00 | 0D | 53 | 68 | 6F | 72 | 74 | 20 | 4D | 65 | 73 |
| | 73 | 61 | 67 | 65 | | | | | | | | |

ENVELOPE: SMS-PP DOWNLOAD 1.6.1

Logically:

SMS-PP Download

Device identities

Source device: Network
Destination device: UICC

Address

TON International number

NPI "ISDN / telephone numbering plan"
Dialling number string "112233445566778"

SMS TPDU

TP-MTI SMS-DELIVER

TP-MMS No more messages waiting for the MS in this SC

TP-RPTP-Reply-Path is not set in this SMS-DELIVER

TP-UDHI TP-UD field contains only the short message TP-SRI A status report will not be returned to the SME

TP-OA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "1234"

TP-PID (U)SIM Data download

TP-DCS

Coding Group General Data Coding Compression Text is uncompressed

Message Class Class 2 (U)SIM Specific Message

Alphabet 8 bit data

TP-SCTS: 01/01/98 00:00:00 +0

TP-UDL 13

TP-UD "Short Message"

| BER-TLV: | D1 | 2D | 82 | 02 | 83 | 81 | 06 | 09 | 91 | 11 | 22 | 33 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 44 | 55 | 66 | 77 | F8 | 8B | 1C | 04 | 04 | 91 | 21 | 43 |
| | 7F | 16 | 89 | 10 | 10 | 00 | 00 | 00 | 00 | 0D | 53 | 68 |
| | 6F | 72 | 74 | 20 | 4D | 65 | 73 | 73 | 61 | 67 | 65 | |

Expected Sequence 1.7 (REFRESH, USIM Application Reset)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|-------------------------------------|---|
| 1 | $UICC \! \to ME$ | PROACTIVE COMMAND | [To inform the ME that FDN becomes |
| | | PENDING: REFRESH 1.7.1 | enabled] |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: | No UICC reset shall be performed between |
| | | REFRESH 1.7.1 | steps 3 and 9. |
| 4 | $ME \rightarrow UICC$ | STATUS[P1='02'] | ME indicates to USIM that the termination |
| | | | procedure is starting |
| 5 | $ME \rightarrow UICC$ | Select AID=USIM | Application termination |
| | | (P2='44') OR (P2='4C') | |
| 6 | UICC | EF EST contents states FDN | [New EF EST value: 01] |
| | | enabled | |
| 7 | $ME \rightarrow UICC$ | USIM Initialization, including send | [ME performs USIM initialization] |
| | | STATUS[P1='01'] | |
| 8 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: | [normal ending] |
| _ | | REFRESH 1.7.1 | |
| 9 | $UICC \to ME$ | PROACTIVE UICC SESSION | |
| 4.0 | | ENDED | |
| 10 | | Call setup to "321" | |
| 11 | | Call set up not allowed | |
| 12 | $USER \to ME$ | Call setup to "123" | |
| 13 | $ME \to USS$ | Setup | Called party BCD number shall be "123" |
| 14 | $USS \to ME$ | The ME receives the CONNECT | |
| | | message from the USS. | |
| 15 | $USER \to ME$ | The user ends the call after a few | |
| | | seconds. | |

PROACTIVE COMMAND: REFRESH 1.7.1

Logically:

Command details

Command number: 1

Command type: REFRESH

Command qualifier: USIM Application Reset

Device identities

Source device: UICC Destination device: ME

Coding:

| BER-TLV: | D0 | 09 | 81 | 03 | 01 | 01 | 05 | 82 | 02 | 81 | 82 | |
|----------|----|----|----|----|----|----|----|----|----|----|----|--|

TERMINAL RESPONSE: REFRESH 1.7.1

Logically:

Command details

Command number: 1

Command type: REFRESH

Command qualifier: USIM Application Reset

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

| BER-TLV: | 01 | 0.2 | Λ1 | Λ1 | ΛE | 0.0 | 0.2 | 0.0 | 01 | 02 | Λ1 | $\cap \cap$ |
|-----------|-------|-----|------|------|-----|-----|------|------|-----|-----|------|-------------|
| IDEK-ILV. | 1 0 1 | เบอ | I UI | ı uı | เบอ | 02 | 1 02 | 1 02 | 101 | ഥരാ | 1 01 | I UU |

27.22.4.7.1.5 Test requirement

The ME shall operate in the manner defined in expected sequences 1.1 to 1.7.

27.22.4.7.2 REFRESH (IMSI changing procedure)

27.22.4.7.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.7.2.2 Conformance requirement

The ME shall support the REFRESH command as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.7, clause 6.4.7.1, clause 6, clause 6.6.13, clause 5.2, clause 8.6, clause 8.7 and clause 8.18.

Additionally the ME shall support the USIM Initialization and USIM application closure procedure as defined in:

- TS 31.102 [14] clause 5.1.2 and Annex I.

27.22.4.7.2.3 Test purpose

To verify that the ME performs the Proactive Command – REFRESH in accordance with the Command Qualifier and the IMSI changing procedure. This may require the ME to perform:

- the USIM initialization
- a re-read of the contents and structure of the IMSI on the USIM
- a restart of the card session
- a successful return of the result of the execution of the command in the TERMINAL RESPONSE command sent to the UICC.

27.22.4.7.2.4 Method of test

27.22.4.7.2.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table..

The elementary files are coded as USIM Application Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The ATT flag broadcast in the SYSTEM INFORMATION BLOCK TYPE 1 on the BCCH is set to "UEs shall apply IMSI attach and detach procedure" for Expected Sequences 2.2.

27.22.4.7.2.4.2 Procedure

Expected Sequence 2.1 (REFRESH, UICC Reset for IMSI Changing procedure)

TBD

Expected Sequence 2.2 (REFRESH, USIM Application Reset for IMSI Changing procedure)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|-------------------------------------|--|
| 1 | $UICC \rightarrow ME$ | PROACTIVE COMMAND | [To inform the ME that IMSI has changed] |
| _ | | PENDING: REFRESH 2.2.1 | |
| 2 | , 0.00 | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: | |
| 4 | ME → UICC | REFRESH 2.2.1 STATUS[P1='02'] | ME indicates to USIM that the termination |
| 4 | INIE → UICC | STATUS[F1=02] | procedure is starting |
| 5 | ME → UICC | | Application termination |
| 6 | ME→USS | IMSI DETACH INDICATION | Indicates IMSI detach and/or GPRS detach, |
| | | and/or DETACH REQUEST | depending on if the ME is CS and/or PS |
| | | | registered according to its capabilities |
| 7 | UICC | Update EF IMSI and EF LOCI | [Update the content of EF IMSI to |
| | | | "001010123456786", Temporary Mobile |
| | | | Subscriber Identity (TMSI) in EF LOCI be set |
| 8 | ME → UICC | SELECT AID=USIM | to "FF FF FF FF"] Application selection |
| 0 | IVIE → UICC | (P2='0x') | Application selection |
| 9 | ME → UICC | USIM Initialization, including send | [ME performs USIM initialization] |
| | | STATUS[P1='01'] | |
| 10 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: | [normal ending] |
| | | REFRESH 2.2.1 | |
| 11 | $UICC \to ME$ | PROACTIVE UICC SESSION | |
| 12 | $ME \rightarrow USS$ | ENDED LOCATION UPDATING | The ME will again register in CS and/or PS |
| 12 | IVIE → USS | REQUEST and/or ATTACH | depending on its capabilities |
| | | REQUEST | doponania on no capabilitico |
| 13 | $USS \to ME$ | LOCATION UPDATING ACCEPT | |
| | | and/or ATTACH ACCEPT | |
| 14 | $ME \rightarrow USS$ | TMSI REALLOCATION | |
| | | COMPLETE and/or ATTACH | |
| | | COMPLETE | |

PROACTIVE COMMAND: REFRESH 2.2.1

Logically:

Command details

Command number: 1

Command type: REFRESH

Command qualifier: USIM Application Reset

Device identities

Source device: UICC Destination device: ME

Coding:

| | BER-TLV: | D0 | 09 | 81 | 03 | 01 | 01 | 05 | 82 | 02 | 81 | 82 |
|--|----------|----|----|----|----|----|----|----|----|----|----|----|
|--|----------|----|----|----|----|----|----|----|----|----|----|----|

TERMINAL RESPONSE: REFRESH 2.2.1

Logically:

Command details

Command number: 1

Command type: REFRESH

Command qualifier: USIM Application Reset

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 01 | 05 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|------------|------|----|----------|----------|----|----|----|----|----------|----|----------|----|
| D_:: :- v: | , o. | | . | . | 00 | | V- | | . | | . | 00 |

Expected Sequence 2.3 (REFRESH, 3G Session Reset for IMSI Changing procedure)

TBD

Expected Sequence 2.4 (REFRESH, reject 3G Session Reset for IMSI Changing procedure during call)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|---|
| 1 | $USER \to ME$ | MO Call setup | |
| 2 | $ME \rightarrow USS$ | Call established and maintained | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: REFRESH 2.4.1 | |
| 4 | $ME \rightarrow UICC$ | FETCH | |
| 5 | $UICC \to ME$ | PROACTIVE COMMAND: | |
| | | REFRESH 2.4.1 | |
| 6 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: | ME rejects REFRESH proactive command |
| | | REFRESH 2.4.1A | |
| | | Or | |
| | | TERMINAL RESPONSE: | |
| | | REFRESH 2.4.1B | |
| 7 | $UICC \to ME$ | PROACTIVE UICC SESSION | Note: EF IMSI and EF LOCI are not updated |
| | | ENDED | by the UICC, see TS 31.111[15], cl. 6.4.7.1 |
| 8 | $USER \to ME$ | The MO call is terminated | |

PROACTIVE COMMAND: REFRESH 2.4.1

Logically:

Command details

Command number: 1

Command type: REFRESH
Command qualifier: 3G Session Reset

Device identities

Source device: UICC Destination device: ME

File list

Number of files: 2
File: EF IMSI
File: EF LOCI

Coding:

| BER-TLV: | D0 | 18 | 81 | 03 | 01 | 01 | 06 | 82 | 02 | 81 | 82 | 92 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0D | 02 | 3F | 00 | 7F | FF | 6F | 07 | 3F | 00 | 7F | FF |
| | 6F | 7E | | | | | | | | | | |

TERMINAL RESPONSE: REFRESH 2.4.1A

Logically:

Command details

Command number: 1

Command type: REFRESH
Command qualifier: 3G Session Reset

Device identities

Source device: ME

Destination device: UICC

Result

General Result: ME currently unable to process command Additional information on result: ME currently busy on call

Coding:

| BER-TLV: | 81 | 03 | 01 | 01 | 06 | 82 | 02 | 82 | 81 | 83 | 02 | 20 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 02 | | | | | | | | | | | |

TERMINAL RESPONSE: REFRESH 2.4.1B

Logically:

Command details

Command number: 1

Command type: REFRESH
Command qualifier: 3G Session Reset

Device identities

Source device: ME
Destination device: UICC

Result

General Result: ME currently unable to process command Additional information on result: Screen is busy

Coding:

| BER-TLV: | 81 | 03 | 01 | 01 | 06 | 82 | 02 | 82 | 81 | 83 | 02 | 20 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 01 | | | | | | | | | | | |

27.22.4.7.2.5 Test requirement

The ME shall operate in the manner defined in expected sequences 2.1 to 2.3.

27.22.4.7.3 REFRESH (Steering of roaming)

27.22.4.7.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.7.3.2 Conformance requirement

The ME shall support the REFRESH command as defined in:

- TS 31.111 [15] clause 6.1, clause 6.47, clause 6.6.13, clause 5.2, clause 8.2, 8.6, clause 8.7 and clause 8.90.

Consequently the Rel-7 or later ME shall support the steering of roaming procedure as defined in:

- TS 23.122 [29] clause 4.4.6.

27.22.4.7.3.3 Test purpose

To verify that the ME performs the Proactive Command – REFRESH in accordance with the Command Qualifier. This shall require the ME to perform:

- the steering of roaming procedure,

- a successfull return of the result of the execution of the command in the TERMINAL RESPONSE command send to the UICC.

27.22.4.7.3.4 Method of test

27.22.4.7.3.4.1 Initial conditions

For sequences 3.1 and 3.2 the ME is connected to the USIM Simulator and connected to the USS/SS.

For sequence 3.3 the ME supporting E-UTRAN is connected to the USIM Simulator and connected to the E-USS.

For sequences 3.1 and 3.2:

The elementary files are coded as Toolkit default with the following exception:

| \mathbf{E} | F_{FPLMN} |
|--------------|-------------|
| | |

| Logica | lly: | PLMN1 PLMN1 PLMN1 PLMN1 PLMN1 | 2: 25 3: 25 4: 23 5: 23 | 64 002 (M 64 003 64 004 64 004 64 005 64 006 | ICC MN | C) | | | | | | |
|----------------|-----------|---|----------------------------------|---|-----------|-----------|----------|----------|----------|-----------|-----------|-----------|
| Coding: Hex | B1 52 | B2 24 | B3 00 | B4 52 | B5 34 | B6 00 | B7 52 | B8 44 | B9 00 | B10 32 | B11 44 | B12 00 |
| | B13 32 | B14 54 | B15 00 | B16 32 | B17 64 | B18 00 | | | | | | |
| EFOR MOVING | CT | | | | | | | | | | | |

EF_{OPLMNwACT}

| Logica | ally: | 1 st PLMN 1 st ACT: 2 nd PLMN 2 nd ACT: 3 rd PLMN 3 rd ACT: 4 th PLMN 4 th ACT: 5 th PLMN 6 th ACT: 6 th PLMN 6 th ACT: 7 th PLMN 7 th ACT: 8 th PLMN 8 th ACT: | UTRA GSM GSM UTRA C: 274 00 UTRA C: 274 00 UTRA C: 274 00 UTRA C: 274 00 UTRA C: 274 00 UTRA | 01 02 AN 03 AN 04 AN 05 AN 06 AN | MNC) | | | | | |
|---------|-------|--|--|--|------|-----|-----|-----|-----|-----|
| Coding: | B01 | B02 | B03 | B04 | B05 | B06 | B07 | B08 | B09 | B10 |
| Hex | 52 | 14 | 00 | 80 | 00 | 52 | 14 | 00 | 00 | 80 |
| | B11 | B12 | B13 | B14 | B15 | B16 | B17 | B18 | B19 | B20 |
| | 72 | 24 | 00 | 80 | 00 | 72 | 34 | 00 | 80 | 00 |
| | B21 | B22 | B23 | B24 | B25 | B26 | B27 | B28 | B29 | B30 |
| | 72 | 44 | 00 | 80 | 00 | 72 | 54 | 00 | 80 | 00 |
| | B31 | B32 | B33 | B34 | B35 | B36 | B37 | B38 | B39 | B40 |
| | 72 | 64 | 00 | 80 | 00 | 72 | 74 | 00 | 80 | 00 |
| _ | | | | | | | | | | |

For sequence 3.3:

The default E-UTRAN UICC, the default E-UTRAN parameters and the following parameters are used:

| EF_{FPLMN} |
|--------------|
|--------------|

| 21 FFLMIN | | | | | | | | | | | |
|------------------------|-----------|--|---|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Logica | ally: | PLMN1 PLMN2 PLMN3 PLMN4 PLMN5 | 2: 254 3: 254 4: 234 5: 234 | 004 004 005 | MNC) | | | | | | |
| Coding: Hex | B1 52 | B2 24 | | B4 B5 | | B7 52 | B8 44 | B9 00 | B10 32 | B11 44 | B12 00 |
| | B13 32 | B14 54 | | B16 B1 B2 64 | | | | | | | |
| EF _{OPLMNw} . | ACT | | | | | | | | | | |
| Logica | ally: | 1st PLM 1st ACT 2nd PLM 2nd ACT 3rd PLM 3rd ACT 4th PLM 4th ACT 5th PLM 6th ACT 7th PLM 7th ACT 8th PLM 8th ACT | C: E-U MN: 254 F: GSM MN: 274 F: E-U MN: 274 F: E-U MN: 274 F: E-U MN: 274 F: E-U MN: 274 F: E-U MN: 274 F: E-U MN: 274 F: E-U MN: 274 F: E-U MN: 274 | M 002 TRAN 003 TRAN 004 TRAN 005 TRAN 006 TRAN 007 | | | | | | | |
| Coding: Hex | B01 52 | B02 14 | B03 00 | B04 C0 | B05 00 | B06 52 | B07 14 | B08 00 | B09 00 | | B10 80 |
| | B11 72 | B12 24 | B13 00 | B14 40 | B15 00 | B16 72 | B17 34 | B18 00 | B19 40 | | B20 00 |
| | B21 72 | B22 44 | B23 00 | B24 40 | B25 00 | B26 72 | B27 54 | B28 00 | B29 40 | | B30 00 |
| | B31 | B32 | B33 | B34 | B35 | B36 | B37 | B38 | B39 | | B40 |

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

27.22.4.7.3.4.2 Procedure

Expected Sequence 3.1 (REFRESH, Steering of roaming, UTRAN)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|---|
| 1 | USS | The first UMTS USS transmits on BCCH, with | |
| | | the following network parameters: | |
| | | - Attach/detach: disabled. | |
| | | - LAI (MCC/MNC/LAC): 254/001/0001. | |
| | | - Access control: unrestricted. | |
| | | The second UMTS USS transmits on BCCH, | |
| | | with the following network parameters: - Attach/detach: disabled. | |
| | | - Attach/detach: disabled. - LAI (MCC/MNC/LAC): 254/002/0001. | |
| | | - Access control: unrestricted. | |
| 2 | $ME \rightarrow USS$ | The ME registers to the first USS. | |
| 3 | UICC → ME | | [Setting up LOCATION STATUS |
| | 0.00 / | EVENT LIST 3.1.1 | Event] |
| 4 | $ME \rightarrow UICC$ | FETCH | 1 |
| 5 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP EVENT | |
| | | LIST 3.1.1 | |
| 6 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SET UP EVENT | |
| | | LIST 3.1.1 | |
| 7 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: | |
| | | REFRESH 3.1.1 | |
| 8 | ME → UICC | FETCH | |
| 9 | UICC → ME | PROACTIVE COMMAND: REFRESH 3.1.1 | |
| 10a | UICC | Update of EF OPLMNwACT | [First entry: PLMN= 254/003, |
| | | | ACT=UTRAN, second entry: PLMN |
| 10b | $ME \rightarrow UICC$ | Update of EF FPLMN | 254/004, ACT=GERAN] [Deletion of the entries with PLMN |
| 100 | INE → DICC | Opuate of EF FPLIVIN | 254/003 and PLMN 254/004] |
| 10c | ME | Update of ME's internal memory | [Not explicitly verified: Deletion of |
| 100 | IVIL | Space of ME of Internal momenty | the FPLMN entries with PLMN |
| | | | 254/003 and PLMN 254/004] |
| 10d | $ME \rightarrow USS$ | From steps 9 -13: | _ |
| | | The ME does not register to another USS | |
| | | than the currently selected and shall not send | |
| | | new LOCATION STATUS event to the UICC. | |
| 11 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: REFRESH 3.1.1 | [normal ending] |
| | | | Note: For a pre-release 11 ME, |
| | | | the UICC simulator does not need to evaluate the response |
| 12 | $UICC \to ME$ | PROACTIVE UICC SESSION ENDED | to evaluate the response |
| 13 | OIOO / WIL | Wait approx. 180 seconds | [The ME does not register to |
| | | Trait approxi 100 000011a0 | another USS than the currently |
| | | | selected.] |
| | | | - |
| 14 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: | |
| | | REFRESH 3.1.2 | |
| 15 | $ME \rightarrow UICC$ | FETCH | |
| 16 | UICC → ME | PROACTIVE COMMAND: REFRESH 3.1.2 | |
| 17a | UICC | Update of EF OPLMNwACT | [First entry: PLMN= 254/002, |
| 1 | | | ACT=UTRAN,GERAN, second |
| | | | entry: PLMN 254/001, |
| 17b | $ME \rightarrow UICC$ | Update of EF FPLMN | ACT=UTRAN,GERAN] [Deletion of the entry with PLMN |
| 170 | IVIE → UICC | Opuate of El Tr Livily | 254/002 |
| 17c | ME | Update of ME's internal memory | [Not explicitly verified: Deletion of |
| | | opacio of the officernal momenty | the FPLMN entry with PLMN |
| | | | 254/002] |
| 18 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: REFRESH 3.1.2 | [normal ending] |
| 19 | $UICC \to ME$ | PROACTIVE UICC SESSION ENDED | |
| 20 | $ME \rightarrow USS$ | The ME registers to the second USS. | Note: The ME might have |
| | | | registered to the second USS also |
| | | | before steps 18/19. |
| | | | |

| 21 | $ME \rightarrow UICC$ | ENVELOPE: EVENT DOWNLOAD - Location Status 3.1.1 | PLMN MCC/MNC: 254/002, Normal service Note: The ME send the Envelope after registration to the second USS, thus might have sent the |
|-----|-----------------------|--|--|
| | | DDO A OTIVE COMMAND DENIBING | Envelope also before steps 18/19. |
| 22 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: REFRESH 3.1.3 | |
| 23 | $ME \rightarrow UICC$ | FETCH | |
| 24 | $UICC \to ME$ | PROACTIVE COMMAND: REFRESH 3.1.3 | |
| 25a | UICC | Update of EF OPLMNwACT | [First entry: PLMN= 254/003, ACT=UTRAN,GERAN, second entry: PLMN 254/001, ACT=UTRAN,GERAN] |
| 25b | UICC | EF FPLMN | [PLMN entries 254/003 and PLMN 254/001 not existent in EF FPLMN] |
| 25c | ME | ME's internal memory | [Not explicitly verified: PLMN entries 254/003 and PLMN 254/001 not existent in FPLMN list] |
| 26 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: REFRESH 3.1.2 | [normal ending] |
| 27 | $UICC \to ME$ | PROACTIVE UICC SESSION ENDED | - |
| 28 | $ME \rightarrow USS$ | The ME registers to the first USS. | Note: The ME might have registered to the first USS also before steps 26/27. |
| 29 | | ENVELOPE: EVENT DOWNLOAD - Location Status 3.1.2 | PLMN MCC/MNC: 254/001 Note: The ME send the Envelope after registration to the first USS, thus might have sent the Envelope also before steps 26/27. |
| 30 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SET UP EVENT LIST 3.2.1 | |
| 31 | $ME \rightarrow UICC$ | | |
| 32 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP EVENT LIST 3.2.1 | [Event LOCATION STATUS download removed] |
| 33 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SET UP EVENT LIST 3.2.1 | The content of the Terminal Response is not part of the evaluation of the test case |
| 34 | $USER \to ME$ | SWITCH OFF ME | |

PROACTIVE COMMAND: SET UP EVENT LIST 3.1.1

Same as PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1 in clause 27.22.7.4.1.4.2.

TERMINAL RESPONSE: SET UP EVENT LIST 3.1.1

Same as TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1 in clause 27.22.7.4.1.4.2.

PROACTIVE COMMAND: SET UP EVENT LIST 3.2.1

Same as PROACTIVE COMMAND: SET UP EVENT LIST 1.3.2 in clause 27.22.4.16.1.4.2.

TERMINAL RESPONSE: SET UP EVENT LIST 3.2.1

Same as TERMINAL RESPONSE: SET UP EVENT LIST 1.3.2 in clause 27.22.4.16.1.4.2.

PROACTIVE COMMAND: REFRESH 3.1.1

Logically:

Command details

Command number: 1

Command type: REFRESH

Command qualifier: Steering of roaming

Device identities

Source device: UICC Destination device: ME

PLMNwACT List

 1stPLMN:
 254/003

 1stACT:
 UTRAN

 2ndPLMN:
 254/004

 2ndACT:
 GERAN

Coding:

| BER-TLV: | D0 | 15 | 81 | 03 | 01 | 01 | 07 | 82 | 02 | 81 | 82 | 72 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0A | 52 | 34 | 00 | 80 | 00 | 52 | 44 | 00 | 00 | 80 | |

TERMINAL RESPONSE: REFRESH 3.1.1

Logically:

Command details

Command number: 1

Command type: REFRESH

Command qualifier: Steering of roaming

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 01 | 07 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|-----------|----|----|----|----|----|----|----|----|----|----|----|----|
| DLIX ILV. | 01 | 00 | 01 | 01 | 01 | 02 | 02 | 02 | 01 | 00 | 01 | 00 |

PROACTIVE COMMAND: REFRESH 3.1.2

Logically:

Command details

Command number: 1

Command type: REFRESH

Command qualifier: Steering of roaming

Device identities

Source device: UICC Destination device: ME

PLMNwACT List

1stPLMN: 254/002

1stACT: UTRAN/GERAN

2ndPLMN: 254/001

2ndACT: UTRAN/GERAN

| BER-TLV: | D0 | 15 | 81 | 03 | 01 | 01 | 07 | 82 | 02 | 81 | 82 | 72 | |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|--|
| | 0A | 52 | 24 | 00 | 80 | 80 | 52 | 14 | 00 | 80 | 80 | | |

TERMINAL RESPONSE: REFRESH 3.1.2

Logically:

Command details

Command number: 1

Command type: REFRESH

Command qualifier: Steering of roaming

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 01 | 07 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

EVENT DOWNLOAD - LOCATION STATUS 3.1.1

Logically:

Event list: Location status

Device identities

Source device: ME
Destination device: UICC

Location status: normal service

Location Information

MCC & MNC the mobile country and network code (254/002)

LAC the location Area Code (0001)
Cell ID Cell Identity Value (0001)

Extended Cell ID RNC-id value, see also Note 1

Coding:

| BER-TLV: | D6 | 15 | 19 | 01 | 03 | 82 | 02 | 82 | 81 | 1B | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|------|----|----|
| · | 13 | 09 | 52 | 24 | 00 | 00 | 01 | 00 | 01 | Note | | |
| | | | | | | | | | | 1 | | |

Note 1: The Extended Cell Identity Value is present. The values of the two bytes shall not be verified.

PROACTIVE COMMAND: REFRESH 3.1.3

Logically:

Command details

Command number: 1

Command type: REFRESH

Command qualifier: Steering of roaming

Device identities

Source device: UICC Destination device: ME

PLMNwACT List

1stPLMN: 254/003

1stACT: UTRAN/GERAN

2ndPLMN: 254/001

2ndACT: UTRAN/GERAN

Coding:

| BER-TLV: | D0 | 15 | 81 | 03 | 01 | 01 | 07 | 82 | 02 | 81 | 82 | 72 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0A | 52 | 34 | 00 | 80 | 80 | 52 | 14 | 00 | 80 | 80 | |

EVENT DOWNLOAD - LOCATION STATUS 3.1.2

Logically:

Event list: Location status

Device identities

Source device: ME
Destination device: UICC

Location status: normal service

Location Information

MCC & MNC the mobile country and network code (254/001)

LAC the location Area Code (0001)
Cell ID Cell Identity Value (0001)
Extended Cell ID RNC-id value, see also Note 1

Coding:

| BER-TLV: | D6 | 15 | 19 | 01 | 03 | 82 | 02 | 82 | 81 | 1B | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|------|----|----|
| | 13 | 09 | 52 | 14 | 00 | 00 | 01 | 00 | 01 | Note | | |
| | | | | | | | | | | 1 | | |

Note 1: The Extended Cell Identity Value is present. The values of the two bytes shall not be verified.

Expected Sequence 3.2 (REFRESH, Steering of roaming, InterRAT)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--|--|
| 1 | USS | The UMTS USS transmits on BCCH, with the | |
| | | following network parameters: | |
| | | - Attach/detach: disabled. - LAI (MCC/MNC/LAC): 254/001/0001. | |
| | | - Access control: unrestricted. | |
| | | The GSM SS transmits on BCCH, with the | |
| | | following network parameters: | |
| | | - Attach/detach: disabled. | |
| | | - LAI (MCC/MNC/LAC): 254/002/0001. | |
| | | - Cell ID: 0001 - Access control: unrestricted. | |
| 2 | ME → USS | The ME registers to the UMTS USS and | |
| _ | WE 7 000 | achieves updated idle mode. | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SET UP | |
| | | EVENT LIST 3.1.1 | Event] |
| 5 | ME → UICC | FETCH | |
| | $UICC \to ME$ | PROACTIVE COMMAND: SET UP EVENT LIST 3.1.1 | |
| 6 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SET UP EVENT LIST 3.1.1 | |
| 7 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: | |
| | 145 | REFRESH 3.2.1 | |
| 8 | ME → UICC | PROACTIVE COMMAND: REFRESH 3.2.1 | |
| 10a | UICC → ME UICC | Update of EF OPLMNwACT | [First entry: PLMN= 254/002, |
| 100 | 0100 | opuate of El Of ElvirowAC1 | ACT= GERAN, second entry: |
| | | | PLMN 254/001, ACT=UTRAN] |
| 10b | $ME \rightarrow UICC$ | Update of EF FPLMN | [Deletion of the entry with PLMN 254/002] |
| 10c | ME | Update of ME's internal memory | [Not explicitly verified: Deletion of the FPLMN entry with PLMN |
| 11 | ME → UICC | TERMINAL RESPONSE: REFRESH 3.1.2 | 254/002] [normal ending] |
| 12 | $UICC \rightarrow ME$ | PROACTIVE UICC SESSION ENDED | [Horman ending] |
| 13 | ME → USS | The ME registers to the GSM SS and is in | Note: The ME might have |
| | , 555 | updated idle mode. | registered to the second USS also before steps 11/12. |
| 14 | $ME \rightarrow UICC$ | ENVELOPE: EVENT DOWNLOAD - Location Status 3.2.1 | PLMN MCC/MNC: 254/002, Normal service |
| | | | Note: The ME send the Envelope after registration to the GSM SS, thus might have sent the Envelope |
| | | | also before steps 11/12. |
| 15 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: REFRESH 3.2.2 | |
| 16 | $ME \rightarrow UICC$ | FETCH | |
| 17 | UICC → ME | PROACTIVE COMMAND: REFRESH 3.2.2 | |
| 18a | UICC | Update of EF OPLMNwACT | [First entry: PLMN= 254/001, ACT= UTRAN, second entry: PLMN 254/002, ACT=GERAN] |
| 18b | UICC | EF FPLMN | [Entries with PLMN 254/002 and PLMN 254/001 not existent in EF |
| 18c | ME | ME's internal memory | FPLMN] [Not explicitly verified: FPLMN |
| 100 | IVIL | internal memory | entries with PLMN 254/002 and PLMN 254/001 not existent in FPLMN list] |
| 19 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: REFRESH 3.1.2 | [normal ending] |
| 20 | UICC → ME | PROACTIVE UICC SESSION ENDED | r |
| 21 | ME → USS | The ME registers to the UMTS USS and is in | Note: The ME might have |
| | | updated idle mode. | registered to the first USS also before steps 19/20. |

| 22 | ME → UICC | | PLMN MCC/MNC: 254/001 Note: The ME send the Envelope after registration to the first USS, thus might have sent the Envelope also before steps 19/20. |
|----|-----------------------|---|--|
| 23 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SET UP EVENT LIST 3.2.1 | |
| 24 | $ME \rightarrow UICC$ | FETCH | |
| 25 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP EVENT LIST 3.2.1 | [Event LOCATION STATUS download removed] |
| 26 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SET UP EVENT LIST 3.2.1 | The content of the Terminal Response is not part of the evaluation of the test case |
| 27 | $USER \to ME$ | SWITCH OFF ME | |

PROACTIVE COMMAND: REFRESH 3.2.1

Logically:

Command details

Command number: 1

Command type: REFRESH

Command qualifier: Steering of roaming

Device identities

Source device: UICC Destination device: ME

PLMNwACT List

 1stPLMN:
 254/002

 1stACT:
 GERAN

 2ndPLMN:
 254/001

 2ndACT:
 UTRAN

Coding:

| BER-TLV: | D0 | 15 | 81 | 03 | 01 | 01 | 07 | 82 | 02 | 81 | 82 | 72 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0A | 52 | 24 | 00 | 00 | 80 | 52 | 14 | 00 | 80 | 00 | |

PROACTIVE COMMAND: REFRESH 3.2.2

Logically:

Command details

Command number: 1

Command type: REFRESH

Command qualifier: Steering of roaming

Device identities

Source device: UICC Destination device: ME

PLMNwACT List

 1stPLMN:
 254/003

 1stACT:
 GERAN

 2ndPLMN:
 254/001

 2ndACT:
 UTRAN

| BER-TLV: | D0 | 15 | 81 | 03 | 01 | 01 | 07 | 82 | 02 | 81 | 82 | 72 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| · | 0A | 52 | 34 | 00 | 00 | 80 | 52 | 14 | 00 | 80 | 00 | |

EVENT DOWNLOAD - LOCATION STATUS 3.2.1

Logically:

Event list: Location status

Device identities

Source device: ME
Destination device: UICC

Location status: normal service

Location Information

MCC & MNC the mobile country and network code (254/002)

LAC the location Area Code (0001)
Cell ID Cell Identity Value (0001)

Coding:

| BER-TLV: | D6 | 13 | 19 | 01 | 03 | 82 | 02 | 82 | 81 | 1B | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 13 | 07 | 52 | 24 | 00 | 00 | 01 | 00 | 01 | | | |

EVENT DOWNLOAD - LOCATION STATUS 3.1.2

Logically:

Event list: Location status

Device identities

Source device: ME
Destination device: UICC

Location status: normal service

Location Information

MCC & MNC the mobile country and network code (254/001)

LAC the location Area Code (0001)
Cell ID Cell Identity Value (0001)
Extended Cell ID: RNC-id value, see also Note 1

| BER-TLV: | D6 | 15 | 19 | 01 | 03 | 82 | 02 | 82 | 81 | 1B | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|------|----|----|
| | 13 | 09 | 52 | 14 | 00 | 00 | 01 | 00 | 01 | Note | | |
| | | | | | | | | | | 1 | | |

Note 1: The Extended Cell Identity Value is present. The values of the two bytes shall not be verified.

Expected Sequence 3.3 (REFRESH, Steering of roaming, E-UTRAN)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--|---|
| 1 | E-USS | The first E-USS transmits on BCCH, with the | |
| | | following network parameters: | |
| | | - Attach/detach: disabled. | |
| | | - TAI (MCC/MNC/TAC): 254/001/0001. | |
| | | - Access control: unrestricted. | |
| | | The second E-USS transmits on BCCH, with | |
| | | the following network parameters: - Attach/detach: disabled. | |
| | | - Attach/detach: disabled. - TAI (MCC/MNC/TAC): 254/002/0001. | |
| | | - Access control: unrestricted. | |
| 2 | MF → F-USS | The ME registers to the first E-USS. | |
| 3 | | PROACTIVE COMMAND PENDING: SET UP | [Setting up I OCATION STATUS |
| | OIOO / IVIL | EVENT LIST 3.1.1 | Event] |
| 4 | $ME \rightarrow UICC$ | FETCH | |
| 5 | $UICC \rightarrow ME$ | PROACTIVE COMMAND: SET UP EVENT | |
| | 0.00 / | LIST 3.1.1 | |
| 6 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SET UP EVENT | |
| | | LIST 3.1.1 | |
| 7 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: | |
| | | REFRESH 3.3.1 | |
| 8 | | FETCH | |
| 9 | $UICC \to ME$ | PROACTIVE COMMAND: REFRESH 3.3.1 | |
| 10a | UICC | Update of EF OPLMNwACT | [First entry: PLMN= 254/003, |
| | | | ACT=E-UTRAN,UTRAN, second |
| | | | entry: PLMN 254/004, |
| 4.01 | | LL L (FF FRI MAL | ACT=GERAN] |
| 10b | $ME \rightarrow UICC$ | Update of EF FPLMN | [Deletion of the entries with PLMN |
| 10c | ME | Update of ME's internal memory | 254/003 and PLMN 254/004] [Not explicitly verified: Deletion of |
| 100 | IVIE | Opuate of ME's internal memory | the FPLMN entries with PLMN |
| | | | 254/003 and PLMN 254/004] |
| 10d | MF → F-USS | From steps 9 -13: | 20 1/000 and 1 2011 20 1/00 1] |
| | / _ 000 | The ME does not register to another E-USS | |
| | | than the currently selected and shall not send | |
| | | new LOCATION STATUS event to the UICC. | |
| 11 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: REFRESH 3.3.1 | [normal ending] |
| | | | Note: For a pre-release 11 ME, |
| | | | the UICC simulator does not need |
| 40 | LUCO ME | DDOACTIVE LUCC CECCION ENDED | to evaluate the response |
| 12 | UICC → ME | PROACTIVE UICC SESSION ENDED | IThe ME deep not register to |
| 13 | | Wait approx. 180 seconds | [The ME does not register to another E-USS than the currently |
| | | | selected.] |
| | | | Selected.] |
| 14 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: | |
| | | REFRESH 3.3.2 | |
| 15 | $ME \rightarrow UICC$ | FETCH | |
| 16 | $UICC \to ME$ | PROACTIVE COMMAND: REFRESH 3.3.2 | |
| 17a | UICC | Update of EF OPLMNwACT | [First entry: PLMN= 254/002, |
| | | | ACT=E-UTRAN,UTRAN,GERAN, |
| | | | second entry: PLMN 254/001, |
| | | | ACT=E-UTRAN,UTRAN,GERAN] |
| 17b | $ME \rightarrow UICC$ | Update of EF FPLMN | [Deletion of the entry with PLMN |
| 47 | | Hadata of MEIn internal | 254/002] |
| 17c | ME | Update of ME's internal memory | [Not explicitly verified: Deletion of |
| | | | the FPLMN entry with PLMN |
| 18 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: REFRESH 3.3.2 | 254/002] [normal ending] |
| 19 | $UICC \to ME$ | PROACTIVE UICC SESSION ENDED | [normal enaily] |
| 20 | | The ME registers to the second E-USS. | Note: The ME might have |
| 20 | IVIE → E-USS | THE ME registers to the second E-033. | registered to the second USS also |
| | | | before steps 18/19. |
| L | L | 1 | |

| 21 | $ME \to UICC$ | ENVELOPE: EVENT DOWNLOAD - Location Status 3.3.2 | PLMN MCC/MNC: 254/002 Note: The ME send the Envelope after registration to the second USS, thus might have sent the Envelope also before steps 18/19. |
|-----|-----------------------|--|---|
| 22 | | PROACTIVE COMMAND PENDING: REFRESH 3.1.3 | |
| 23 | $ME \to UICC$ | FETCH | |
| 24 | $UICC \to ME$ | PROACTIVE COMMAND: REFRESH 3.3.3 | |
| 25a | UICC | Update of EF OPLMNwACT | [First entry: PLMN= 254/003, ACT=E-UTRAN,UTRAN,GERAN, second entry: PLMN 254/001, ACT=E-UTRAN,UTRAN,GERAN] |
| 25b | UICC | EF FPLMN | [PLMN entries 254/003 and PLMN 254/001 not existent in EF FPLMN] |
| 25c | ME | ME's internal memory | [Not explicitly verified: PLMN entries 254/003 and PLMN 254/001 not existent in FPLMN list] |
| 26 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: REFRESH 3.3.2 | [normal ending] |
| 27 | $UICC \to ME$ | PROACTIVE UICC SESSION ENDED | |
| 28 | $ME \to E\text{-USS}$ | The ME registers to the first E-USS. | Note: The ME might have registered to the first USS also before steps 26/27. |
| 29 | ME → UICC | ENVELOPE: EVENT DOWNLOAD - Location Status 3.3.3 | PLMN MCC/MNC: 254/001 Note: The ME send the Envelope after registration to the second USS, thus might have sent the Envelope also before steps 26/27. |
| 30 | | PROACTIVE COMMAND PENDING: SET UP EVENT LIST 3.2.1 | |
| 31 | 1 | FETCH | |
| 32 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP EVENT LIST 3.2.1 | [Event LOCATION STATUS download removed] |
| 33 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SET UP EVENT LIST 3.2.1 | The content of the Terminal Response is not part of the evaluation of the test case |
| 34 | $USER \to ME$ | SWITCH OFF ME | |

PROACTIVE COMMAND: REFRESH 3.3.1

Logically:

Command details

Command number: 1

Command type: REFRESH

Command qualifier: Steering of roaming

Device identities

Source device: UICC Destination device: ME

PLMNwACT List

1stPLMN: 254/003

1stACT: E-UTRAN, UTRAN

2ndPLMN: 254/004 2ndACT: GERAN

| BER-TLV: | D0 | 15 | 81 | 03 | 01 | 01 | 07 | 82 | 02 | 81 | 82 | 72 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0A | 52 | 34 | 00 | C0 | 00 | 52 | 44 | 00 | 00 | 80 | |

TERMINAL RESPONSE: REFRESH 3.3.1

Logically:

Command details

Command number: 1

Command type: REFRESH

Command qualifier: Steering of roaming

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 01 | 07 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|------|
| | 0. | 00 | 0. | 0. | 01 | 02 | 02 | 02 | 0. | 00 | 0. | - 00 |

PROACTIVE COMMAND: REFRESH 3.3.2

Logically:

Command details

Command number: 1

Command type: REFRESH

Command qualifier: Steering of roaming

Device identities

Source device: UICC Destination device: ME

PLMNwACT List

1stPLMN: 254/002

1stACT: E-UTRAN/UTRAN/GERAN

2ndPLMN: 254/001

2ndACT: E-UTRAN/UTRAN/GERAN

Coding:

| BER-TLV: | D0 | 15 | 81 | 03 | 01 | 01 | 07 | 82 | 02 | 81 | 82 | 72 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0A | 52 | 24 | 00 | C0 | 80 | 52 | 14 | 00 | C0 | 80 | |

TERMINAL RESPONSE: REFRESH 3.3.2

Logically:

Command details

Command number: 1

Command type: REFRESH

Command qualifier: Steering of roaming

Device identities

Source device: ME Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 01 | 07 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|-----------------|----------|----|-----|-----|----|----------------|----|----------------|------|----|------|----|
| D = 1 \ 1 = \ 1 | <u> </u> | 00 | , . | U . | 0. | _ _ | | _ _ | , o. | | , o. | |

EVENT DOWNLOAD - LOCATION STATUS 3.3.2

Logically:

Event list: Location status

Device identities

Source device: ME
Destination device: UICC

Location status: normal service

Location Information

MCC & MNC the mobile country and network code (254/002)

TAC 0001

E-UTRAN cell id: 0001 (28bits)

Coding:

| BER-TLV: | D6 | 15 | 19 | 01 | 03 | 82 | 02 | 82 | 81 | 1B | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 13 | 09 | 52 | 24 | 00 | 00 | 01 | 00 | 00 | 00 | 1F | |

PROACTIVE COMMAND: REFRESH 3.3.3

Logically:

Command details

Command number: 1

Command type: REFRESH

Command qualifier: Steering of roaming

Device identities

Source device: UICC Destination device: ME

PLMNwACT List

1stPLMN: 254/003

1stACT: E-UTRAN/UTRAN/GERAN

2ndPLMN: 254/001

2ndACT: E-UTRAN/UTRAN/GERAN

Coding:

| BER-TLV: | D0 | 15 | 81 | 03 | 01 | 01 | 07 | 82 | 02 | 81 | 82 | 72 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0A | 52 | 34 | 00 | C0 | 80 | 52 | 14 | 00 | C0 | 80 | |

EVENT DOWNLOAD - LOCATION STATUS 3.3.3

Logically:

Event list: Location status

Device identities

Source device: ME
Destination device: UICC

Location status: normal service

Location Information

MCC & MNC the mobile country and network code (254/001)

TAC 0001

E-UTRAN cell id: 0001 (28bits)

Coding:

| BER-TLV: | D6 | 15 | 19 | 01 | 03 | 82 | 02 | 82 | 81 | 1B | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 13 | 09 | 52 | 14 | 00 | 00 | 01 | 00 | 00 | 00 | 1F | |

27.22.4.7.3.5 Test requirement

The ME shall operate in the manner defined in expected sequences 3.1 to 3.3.

27.22.4.7.4 REFRESH (AID)

27.22.4.7.4.1 Definition and applicability

See clause 3.2.2.

27.22.4.7.4.2 Conformance requirement

The ME shall support the REFRESH command as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.7, clause 6, clause 6.6.13, clause 5.2, clause 8.6, clause 8.7, clause 8.18 and clause 8.60.

The ME shall support the IMS related requirements as defined and tested in:

- TS 24.229 [38] clause 5.1.1.7 and Annex C.4
- TS 34.229-1 [36] clause 8.15, Annex C.2, C.17 and C.18

The ME shall support the USIM Initialization procedure as defined in:

- TS 31.102 [14] clause 5.1.2 and Annex I.

27.22.4.7.4.3 Test purpose

To verify that the ME performs the Proactive Command – REFRESH in accordance with the Command Qualifier and additionally correctly takes into account the Application Identifier if present in the Refresh command.

 Verification of correct Refresh command execution within the application executed on a any logical channel if the corresponding AID is present in the Refresh command

This may require the ME to perform:

- a USIM or ISIM initialization
- a re-read of the contents and structure of the ISIM on the USIM
- a successful return of the result of the execution of the command in the TERMINAL RESPONSE command sent to the UICC.

27.22.4.7.4.4 Method of test

27.22.4.7.4.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as defined for the E-UTRAN/EPC ISIM-UICC in clause 27.22.2C.

For sequence 4.1 the ME is connected to the E-USS or the USS.

27.22.4.7.4.4.2 Procedure

Expected Sequence 4.1 (REFRESH with AID)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--|--|
| 1 | $USER \to ME$ | The ME is switched on | ME will perform Profile Download, USIM and ISIM initialisation |
| 2 | ME → NWS | ME activates the required bearer, discoveres P-CSCF and registers with the values from the ISIM to IMS services | For E-UTRAN: The EPS bearer context activation according to the procedures defined in TS 34.229-1 [36], Annex C.2 and C.18 is performed |
| | | | For UTRAN: A PDP context activation according to the procedures defined in TS 34.229-1 [36], Annex C.2 and C.17 is performed. |
| 3 | UICC→ ME | PROACTIVE COMMAND PENDING: REFRESH 4.1.1 | To inform the ME that EF_FPLMN shall be reread. |
| 4 | $ME \rightarrow UICC$ | FETCH | |
| 5 | UICC → ME | PROACTIVE COMMAND: REFRESH 4.1.1 | EF_FPLMN shall be read by the UE, but this might occur even after the Terminal Response. An update of EF_FPLMN by the UICC is not required in this test. |
| 6 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: REFRESH 4.1.1A Or | [normal ending] |
| | | TERMINAL RESPONSE: REFRESH 4.1.1B | [additional EFs read] |
| 7 | $UICC \to ME$ | PROACTIVE UICC SESSION ENDED | |
| 8 | | Continue with steps 1 – 4 of the "Expected Sequence" of test 8.15 of TS 34.229-1 with the following parameters: REFRESH command: PROACTIVE COMMAND: Refresh 4.2.1 Initial Home Domain name = Updated Home Domain name New IMPI in EF_IMPI= 00101555666@test.3gpp.com New IMPU in record 1 of EF_IMPU= 00101555666@ims.mnc246.mc c081.3gppnetwork.org | The following requirements shall be verified: 1) After step 1 and before step 4 of the "Expected Sequence" of test 8.15 of TS 34.229-1the ME shall have sent TERMINAL RESPONSE: REFRESH 4.2.1A or TERMINAL RESPONSE: REFRESH 4.2.1B 2) The ME shall have fulfilled the test requieremnts defined in TS 34.229, clause 8.15.5 |

PROACTIVE COMMAND: REFRESH 4.1.1

Logically:

Command details

Command number: 1

Command type: REFRESH

Command qualifier: File Change Notification

Device identities

Source device: UICC Destination device: ME

File List

File 1: EF FPLMN

Application Identifier

Content: The 3GPP USIM AID used in the test system configuration

Coding:

| BER-TLV: | D0 | 24 | 81 | 03 | 01 | 01 | 01 | 82 | 02 | 81 | 82 |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| | 92 | 07 | 01 | 3F | 00 | 7F | FF | 6F | 7B | 2F | 10 |
| | A0 | 00 | 00 | 00 | 87 | 10 | 02 | XX | XX | XX | XX |
| | XX | XX | XX | XX | XX | | | | | | |

PROACTIVE COMMAND: REFRESH 4.2.1

Logically:

Command details

Command number: 1

Command type: REFRESH
Command qualifier: ISIM Initialization

Device identities

Source device: UICC Destination device: ME

Application Identifier

Content: The 3GPP ISIM AID used in the test system configuration

Coding:

| BER-TLV: | D0 | 1B | 81 | 03 | 01 | 01 | 03 | 82 | 02 | 81 | 82 |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| | 2F | 10 | A0 | 00 | 00 | 00 | 87 | 10 | 04 | XX | XX |
| | XX | XX | XX | XX | XX | XX | XX | | | | |

TERMINAL RESPONSE: REFRESH 4.1.1A/4.2.1A

Logically:

Command details

Command number:

Command type: REFRESH

Command qualifier: USIM/ISIM Initialization

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 01 | 03 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

TERMINAL RESPONSE: REFRESH 4.1.1B/ 4.2.1B

Logically:

Command details

Command number: 1

Command type: REFRESH

Command qualifier: USIM/ISIM Initialization

Device identities

Source device: ME

Destination device: UICC

Result

General Result: REFRESH performed with additional EFs read

Coding:

BER-TLV: 81 03 01 01 03 82 02 82 81 83 01 03

27.22.4.7.4.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.1.

27.22.4.8 SET UP MENU and ENVELOPE MENU SELECTION

27.22.4.8.1 SET UP MENU (normal) and ENVELOPE MENU SELECTION

27.22.4.8.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.8.1.2 Conformance requirement

The ME shall support the SET UP MENU command as defined in:

- TS 31.111 [15] clause 5, clause 6.4.8, clause 6.6.7, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.2, clause 8.9 and clause 9.4.

The ME shall support MENU SELECTION as defined in:

- TS 31.111 [15] clause 4.4, clause 5.2, clause 6.4.8, clause 6.9, clause 7.2, clause 8.7 and clause 8.10.

27.22.4.8.1.3 Test purpose

To verify that the ME correctly integrates the menu items contained in the SET UP MENU proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that the ME replaces the current list of menu items with the list of menu items contained in the SET UP MENU command.

To verify that the ME removes the current list of menu items following receipt of a SET UP MENU command with no items.

To verify that the ME correctly passes the identifier of the selected menu item to the UICC using the ENVELOPE (MENU SELECTION) command.

To verify that when the help is available for the command and the user gas indicated the need to get help information on one of the items, the ME informs properly the UICC about an HELP REQUEST, using the MENU SELECTION mechanism.

27.22.4.8.1.4 Method of test

27.22.4.8.1.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

The ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The ME screen shall be in its normal stand-by display.

27.22.4.8.1.4.2 Procedure

Expected Sequence 1.1 (SET UP MENU and MENU SELECTION, without Help Request, Replace and Remove a Toolkit Menu)

See ETSI TS 102 384 [26] in subclause 27.22.4.8.1.4.2, Expected Sequence 1.1.

Expected Sequence 1.2 (SET UP MENU, Large Menu with many items or with large items or with Large Alpha Identifier)

See ETSI TS 102 384 [26] in subclause 27.22.4.8.1.4.2, Expected Sequence 1.2.

The following table details the test requirements with relation to the tested features:

| | Proactive UICC Command Facilities | | | | | | | | |
|-------------------------------|-----------------------------------|-----------------|------------------------|--|--|--|--|--|--|
| Proactive UICC Command Number | Alpha Identifier Length | Number of items | Maximum length of item | | | | | | |
| 1.1.1 | 12 | 4 | 6 | | | | | | |
| 1.1.2 | 12 | 2 | 3 | | | | | | |
| 1.1.3 | 10 | 0 | - | | | | | | |
| 1.2.1 | 10 | 30 | 8 | | | | | | |
| 1.2.2 | 10 | 7 | 37 | | | | | | |
| 1.2.3 | 235 | 1 | 1 | | | | | | |

27.22.4.8.1.5 Test requirement

The ME shall operate in the manner defined in expected sequence 1.1 and in expected sequence 1.2.

27.22.4.8.2 SET UP MENU (help request support) and ENVELOPE MENU SELECTION

27.22.4.8.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.8.2.2 Conformance requirement

Requirements are the same as in clause 27.22.4.8.1.1, with an additional one:

- TS 31.111 [15] clause 8.21.

27.22.4.8.2.3 Test purpose

To verify that the ME correctly integrates the menu items contained in the SET UP MENU proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that when the help is available for the command and the user has indicated the need to get help information on one of the items, the ME informs properly the UICC about an HELP REQUEST, using the MENU SELECTION mechanism.

To verify that the ME correctly passes the identifier of the selected menu item to the UICC using the ENVELOPE (MENU SELECTION) command.

27.22.4.8.2.4 Method of test

27.22.4.8.2.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

The ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The ME screen shall be in its normal stand-by display.

27.22.4.8.2.4.2 Procedure

Expected Sequence 2.1 (SET UP MENU and MENU SELECTION, with Help Request, Replace and Remove a Toolkit Menu)

See ETSI TS 102 384 [26] in subclause 27.22.4.8.2.4.2, Expected Sequence 2.1.

27.22.4.8.2.5 Test requirement

The ME shall operate in the manner defined in expected sequence 2.1.

27.22.4.8.3 SET UP MENU (next action support) and ENVELOPE MENU SELECTION

27.22.4.8.3.1 Definition and applicability

See clause 3.2.2.

If the UICC provides an Items Next Action Indicator data object, the comprehension required flag shall be set to '0'.

27.22.4.8.3.2 Conformance requirement

Requirements are the same as in clause 27.22.4.8.1.1, with an additional one:

- TS 31.111 [15] clause 8.24.

27.22.4.8.3.3 Test purpose

To verify that the ME correctly integrates the menu items contained in the SET UP MENU proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that the next action indicator is supported.

To verify that the ME correctly passes the identifier of the selected menu item to the UICC using the ENVELOPE (MENU SELECTION) command.

27.22.4.8.3.4 Method of test

27.22.4.8.3.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

The ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The ME screen shall be in its normal stand-by display.

27.22.4.8.3.4.2 Procedure

Expected Sequence 3.1 (SET UP MENU, next action indicator "Send SM", "Set Up Call", "Launch Browser", "Provide Local Information", successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.8.3.4.2, Expected Sequence 3.1.

27.22.4.8.3.5 Test requirement

The ME shall operate in the manner defined in expected sequence 3.1.

27.22.4.8.4 SET UP MENU (display of icons) and ENVELOPE MENU SELECTION

27.22.4.8.4.1 Definition and applicability

See clause 3.2.2.

27.22.4.8.4.2 Conformance requirement

Requirements are the same as in clause 27.22.4.8.1.1, with an additional one:

- 3GPP 31.111 [15] clause 6.5.4, 8.31 and 8.32.

27.22.4.8.4.3 Test purpose

To verify that the ME correctly integrates the menu items contained in the SET UP MENU proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that icons are displayed with the command Set Up Menu in the Alpha Identifier and Items Data Objects. To verify that the ME correctly passes the identifier of the selected menu item to the UICC using the ENVELOPE (MENU SELECTION) command.

27.22.4.8.4.4 Method of test

27.22.4.8.4.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

The ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The ME screen shall be in its normal stand-by display.

27.22.4.8.4.4.2 Procedure

Expected Sequence 4.1A (SET UP MENU, BASIC ICON NOT SELF EXPLANATORY in ALPHA ID and ITEMS DATA OBJECTS, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.8.4.2, Expected Sequence 4.1A.

Expected Sequence 4.1B (SET UP MENU, BASIC ICON NOT SELF EXPLANATORY in ALPHA ID and ITEMS DATA OBJECTS, requested icon could not be displayed)

See ETSI TS 102 384 [26] in subclause 27.22.4.8.4.4.2, Expected Sequence 4.1B.

Expected Sequence 4.2A (SET UP MENU, BASIC ICON SELF EXPLANATORY in ALPHA ID and ITEMS DATA OBJECTS, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.8.4.4.2, Expected Sequence 4.2A.

Expected Sequence 4.2B (SET UP MENU, BASIC ICON SELF EXPLANATORY in ALPHA ID and ITEMS DATA OBJECTS, requested icon could not be displayed)

See ETSI TS 102 384 [26] in subclause 27.22.4.8.4.4.2, Expected Sequence 4.2B.

27.22.4.8.4.5 Test requirement

The ME shall operate in the manner defined in expected sequences 4.1A to 4.2B.

27.22.4.8.5 SET UP MENU (soft keys support) and ENVELOPE MENU SELECTION

27.22.4.8.5.1 Definition and applicability

See clause 3.2.2.

27.22.4.8.5.2 Conformance requirement

Requirements are the same as in clause 27.22.4.8.1.1.

27.22.4.8.5.3 Test purpose

To verify that the ME correctly integrates the menu items contained in the SET UP MENU proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that if soft key preferred is indicated in the command details and soft key for SET UP MENU is supported by the ME and the number of icon items does not exceed the number of soft keys available, then the ME displays those icons as soft key.

To verify that the ME correctly passes the identifier of the selected menu item to the UICC using the ENVELOPE (MENU SELECTION) command.

27.22.4.8.5.4 Method of test

27.22.4.8.5.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

The ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The ME screen shall be in its normal stand-by display.

27.22.4.8.5.4.2 Procedure

Expected Sequence 5.1 (SET UP MENU, SOFT KEY PREFERRED, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.8.5.4.2, Expected Sequence 5.1.

27.22.4.8.5.5 Test requirement

The ME shall operate in the manner defined in expected sequence 5.1.

27.22.4.8.6 SET UP MENU (support of Text Attribute) and ENVELOPE MENU SELECTION

27.22.4.8.6.1 SET UP MENU (support of Text Attribute – Left Alignment) and ENVELOPE MENU SELECTION

27.22.4.8.6.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.8.6.1.2 Conformance requirement

Requirements are the same as in clause 27.22.4.8.1.1, with an additional one:

- 3GPP 31.111 [15] clauses 6.5.4, 8.70 and 8.71.

27.22.4.8.6.1.3 Test purpose

To verify that the ME correctly integrates the menu items contained in the SET UP MENU proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that text is displayed according to the left alignment text attribute configuration within the command Set Up Menu and the ME correctly passes the identifier of the selected menu item to the UICC using the ENVELOPE (MENU SELECTION) command.

27.22.4.8.6.1.4 Method of test

27.22.4.8.6.1.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

The ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The ME screen shall be in its normal stand-by display.

27.22.4.8.6.1.4.2 Procedure

Expected Sequence 6.1 (SET UP MENU, Text Attribute - Left Alignment, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.8.6.1.4.2, Expected Sequence 6.1.

27.22.4.8.6.1.5 Test requirement

The ME shall operate in the manner defined in expected sequence 6.1.

27.22.4.8.6.2 SET UP MENU (support of Text Attribute – Center Alignment) and ENVELOPE MENU SELECTION

27.22.4.8.6.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.8.6.2.2 Conformance requirement

Requirements are the same as in clause 27.22.4.8.1.1, with an additional one:

- 3GPP 31.111 [15] clauses 6.5.4, 8.70 and 8.71.

27.22.4.8.6.2.3 Test purpose

To verify that the ME correctly integrates the menu items contained in the SET UP MENU proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that text is displayed according to the center alignment text attribute configuration within the command Set Up Menu and the ME correctly passes the identifier of the selected menu item to the UICC using the ENVELOPE (MENU SELECTION) command.

27.22.4.8.6.2.4 Method of test

27.22.4.8.6.2.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

The ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The ME screen shall be in its normal stand-by display.

27.22.4.8.6.2.4.2 Procedure

Expected Sequence 6.2 (SET UP MENU, Text Attribute - Center Alignment, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.8.6.2.4.2, Expected Sequence 6.2.

27.22.4.8.6.2.5 Test requirement

The ME shall operate in the manner defined in expected sequence 6.2.

27.22.4.8.6.3 SET UP MENU (support of Text Attribute – Right Alignment) and ENVELOPE MENU

SELECTION

27.22.4.8.6.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.8.6.3.2 Conformance requirement

Requirements are the same as in clause 27.22.4.8.1.1, with an additional one:

- 3GPP 31.111 [15] clauses 6.5.4, 8.70 and 8.71.

27.22.4.8.6.3.3 Test purpose

To verify that the ME correctly integrates the menu items contained in the SET UP MENU proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that text is displayed according to the right alignment text attribute configuration within the command Set Up Menu and the ME correctly passes the identifier of the selected menu item to the UICC using the ENVELOPE (MENU SELECTION) command.

27.22.4.8.6.3.4 Method of test

27.22.4.8.6.3.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

The ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The ME screen shall be in its normal stand-by display.

27.22.4.8.6.3.4.2 Procedure

Expected Sequence 6.3 (SET UP MENU, Text Attribute – Right Alignment, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.8.6.3.4.2, Expected Sequence 6.3.

27.22.4.8.6.3.5 Test requirement

The ME shall operate in the manner defined in expected sequence 6.3.

27.22.4.8.6.4 SET UP MENU (support of Text Attribute - Large Font Size) and ENVELOPE MENU

SELECTION

27.22.4.8.6.4.1 Definition and applicability

See clause 3.2.2.

27.22.4.8.6.4.2 Conformance requirement

Requirements are the same as in clause 27.22.4.8.1.1, with an additional one:

3GPP 31.111 [15] clauses 6.5.4, 8.70 and 8.71.

Test purpose 27.22.4.8.6.4.3

To verify that the ME correctly integrates the menu items contained in the SET UP MENU proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that text is displayed according to the large font size text attribute configuration within the command Set Up Menu and the ME correctly passes the identifier of the selected menu item to the UICC using the ENVELOPE (MENU SELECTION) command.

27.22.4.8.6.4.4 Method of test

27.22.4.8.6.4.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

The ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The ME screen shall be in its normal stand-by display.

27.22.4.8.6.4.4.2 Procedure

Expected Sequence 6.4 (SET UP MENU, Text Attribute - Large Font Size, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.8.6.4.4.2, Expected Sequence 6.4.

27.22.4.8.6.4.5 Test requirement

The ME shall operate in the manner defined in expected sequence 6.4.

27.22.4.8.6.5 SET UP MENU (support of Text Attribute - Small Font Size) and ENVELOPE MENU

SELECTION

27.22.4.8.6.5.1 Definition and applicability

See clause 3.2.2.

27.22.4.8.6.5.2 Conformance requirement

Requirements are the same as in clause 27.22.4.8.1.1, with an additional one:

3GPP 31.111 [15] clauses 6.5.4, 8.70 and 8.71.

27.22.4.8.6.5.3 Test purpose

To verify that the ME correctly integrates the menu items contained in the SET UP MENU proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that text is displayed according to the with small font size text attribute configuration within the command Set Up Menu and the ME correctly passes the identifier of the selected menu item to the UICC using the ENVELOPE (MENU SELECTION) command.

27.22.4.8.6.5.4 Method of test

27.22.4.8.6.5.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

The ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The ME screen shall be in its normal stand-by display.

27.22.4.8.6.5.4.2 Procedure

Expected Sequence 6.5 (SET UP MENU, Text Attribute - Small Font Size, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.8.6.5.4.2, Expected Sequence 6.5.

27.22.4.8.6.5.5 Test requirement

The ME shall operate in the manner defined in expected sequence 6.5.

27.22.4.8.6.6 SET UP MENU (support of Text Attribute – Bold On) and ENVELOPE MENU

SELECTION

27.22.4.8.6.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.8.6.6.2 Conformance requirement

Requirements are the same as in clause 27.22.4.8.1.1, with an additional one:

- 3GPP 31.111 [15] clauses 6.5.4, 8.70 and 8.71.

27.22.4.8.6.6.3 Test purpose

To verify that the ME correctly integrates the menu items contained in the SET UP MENU proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that text is displayed according to the text attribute configuration within the command Set Up Menu and the ME correctly passes the identifier of the selected menu item to the UICC using the ENVELOPE (MENU SELECTION) command.

27.22.4.8.6.6.4 Method of test

27.22.4.8.6.6.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

The ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The ME screen shall be in its normal stand-by display.

27.22.4.8.6.6.4.2 Procedure

Expected Sequence 6.6 (SET UP MENU, Text Attribute – Bold On, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.8.6.6.4.2, Expected Sequence 6.6.

27.22.4.8.6.6.5 Test requirement

The ME shall operate in the manner defined in expected sequence 6.6.

27.22.4.8.6.7 SET UP MENU (support of Text Attribute – Italic On) and ENVELOPE MENU

SELECTION

27.22.4.8.6.7.1 Definition and applicability

See clause 3.2.2.

27.22.4.8.6.7.2 Conformance requirement

Requirements are the same as in clause 27.22.4.8.1.1, with an additional one:

- 3GPP 31.111 [15] clauses 6.5.4, 8.70 and 8.71.

27.22.4.8.6.7.3 Test purpose

To verify that the ME correctly integrates the menu items contained in the SET UP MENU proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that text is displayed according to the text attribute configuration within the command Set Up Menu and the ME correctly passes the identifier of the selected menu item to the UICC using the ENVELOPE (MENU SELECTION) command.

27.22.4.8.6.7.4 Method of test

27.22.4.8.6.7.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

The ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The ME screen shall be in its normal stand-by display.

27.22.4.8.6.7.4.2 Procedure

Expected Sequence 6.7 (SET UP MENU, Text Attribute – Italic On, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.8.6.7.4.2, Expected Sequence 6.7.

27.22.4.8.6.7.5 Test requirement

The ME shall operate in the manner defined in expected sequence 6.7.

27.22.4.8.6.8 SET UP MENU (support of Text Attribute – Underline On) and ENVELOPE MENU

SELECTION

27.22.4.8.6.8.1 Definition and applicability

See clause 3.2.2.

27.22.4.8.6.8.2 Conformance requirement

Requirements are the same as in clause 27.22.4.8.1.1, with an additional one:

- 3GPP 31.111 [15] clauses 6.5.4, 8.70 and 8.71.

27.22.4.8.6.8.3 Test purpose

To verify that the ME correctly integrates the menu items contained in the SET UP MENU proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that text is displayed according to the text attribute configuration within the command Set Up Menu and the ME correctly passes the identifier of the selected menu item to the UICC using the ENVELOPE (MENU SELECTION) command.

27.22.4.8.6.8.4 Method of test

27.22.4.8.6.8.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

The ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The ME screen shall be in its normal stand-by display.

27.22.4.8.6.8.4.2 Procedure

Expected Sequence 6.8 (SET UP MENU, Text Attribute - Underline On, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.8.6.8.4.2, Expected Sequence 6.8.

27.22.4.8.6.8.5 Test requirement

The ME shall operate in the manner defined in expected sequence 6.8.

| 27.22.4.8.6.9 | SET UP MENU (support of Text Attribute – Strikethrough On) and ENVELOPE MENU |
|---------------|--|
| | SELECTION |

27.22.4.8.6.9.1 Definition and applicability

See clause 3.2.2.

27.22.4.8.6.9.2 Conformance requirement

Requirements are the same as in clause 27.22.4.8.1.1, with an additional one:

- 3GPP 31.111 [15] clauses 6.5.4, 8.70 and 8.71.

27.22.4.8.6.9.3 Test purpose

To verify that the ME correctly integrates the menu items contained in the SET UP MENU proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that text is displayed according to the text attribute configuration within the command Set Up Menu and the ME correctly passes the identifier of the selected menu item to the UICC using the ENVELOPE (MENU SELECTION) command.

27.22.4.8.6.9.4 Method of test

27.22.4.8.6.9.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

The ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The ME screen shall be in its normal stand-by display.

27.22.4.8.6.9.4.2 Procedure

Expected Sequence 6.9 (SET UP MENU, Text Attribute - Strikethrough On, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.8.6.9.4.2, Expected Sequence 6.9.

27.22.4.8.6.9.5 Test requirement

The ME shall operate in the manner defined in expected sequence 6.9.

27.22.4.8.6.10 SET UP MENU (support of Text Attribute – Foreground and Background Colour) and

ENVELOPE MENU SELECTION

27.22.4.8.6.10.1 Definition and applicability

See clause 3.2.2.

27.22.4.8.6.10.2 Conformance requirement

Requirements are the same as in clause 27.22.4.8.1.1, with an additional one:

- 3GPP 31.111 [15] clauses 6.5.4, 8.70 and 8.71.

27.22.4.8.6.10.3 Test purpose

To verify that the ME correctly integrates the menu items contained in the SET UP MENU proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that text is displayed according to the text attribute configuration within the command Set Up Menu and the ME correctly passes the identifier of the selected menu item to the UICC using the ENVELOPE (MENU SELECTION) command.

27.22.4.8.6.10.4 Method of test

27.22.4.8.6.10.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

The ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The ME screen shall be in its normal stand-by display.

27.22.4.8.6.10.4.2 Procedure

Expected Sequence 6.10 (SET UP MENU, Text Attribute – Foreground and Background Colour, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.8.6.10.4.2, Expected Sequence 6.10.

27.22.4.8.6.10.5 Test requirement

The ME shall operate in the manner defined in expected sequence 6.10.

27.22.4.8.7 SET UP MENU (UCS2 display in Cyrillic) and ENVELOPE MENU SELECTION

27.22.4.8.7.1 Definition and applicability

See clause 3.2.2.

27.22.4.8.7.2 Conformance requirement

The ME shall support the SET UP MENU command as defined in:

- TS 31.111 [15] clause 5, clause 6.4.8, clause 6.6.7, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.2, clause 8.9 and clause 9.4.

The ME shall support MENU SELECTION as defined in:

- TS 31.111 [15] clause 4.4, clause 5.2, clause 6.4.8, clause 6.9, clause 7.2, clause 8.7 and clause 8.10.
- Additionally the ME shall support the UCS2 facility for the coding of the Cyrillic alphabet, as defined in ISO/IEC 10646 [17].

27.22.4.8.7.3 Test purpose

To verify that the ME correctly integrates the menu items in UCS2 coding contained in the SET UP MENU proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that the ME replaces the current list of menu items with the list of menu items contained in the SET UP MENU command.

To verify that the ME removes the current list of menu items following receipt of a SET UP MENU command with no items.

To verify that the ME correctly passes the identifier of the selected menu item to the UICC using the ENVELOPE (MENU SELECTION) command.

To verify that when the help is available for the command and the user gas indicated the need to get help information on one of the items, the ME informs properly the UICC about an HELP REQUEST, using the MENU SELECTION mechanism.

27.22.4.8.7.4 Method of test

27.22.4.8.7.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

The ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The ME screen shall be in its normal stand-by display.

27.22.4.8.7.4.2 Procedure

Expected Sequence 7.1 (SET UP MENU and MENU SELECTION, without Help Request, Replace and Remove a Toolkit Menu, with UCS2 in Cyrillic Characters)

See ETSI TS 102 384 [26] in subclause 27.22.4.8.7.4.2, Expected Sequence 7.1.

27.22.4.8.7.5 Test requirement

The ME shall operate in the manner defined in expected sequence 7.1.

27.22.4.8.8 SET UP MENU (UCS2 display in Chinese) and ENVELOPE MENU SELECTION

27.22.4.8.8.1 Definition and applicability

See clause 3.2.2.

27.22.4.8.8.2 Conformance requirement

The ME shall support the SET UP MENU command as defined in:

- TS 31.111 [15] clause 5, clause 6.4.8, clause 6.6.7, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.2, clause 8.9 and clause 9.4

The ME shall support MENU SELECTION as defined in:

- TS 31.111 [15] clause 4.4, clause 5.2, clause 6.4.8, clause 6.9, clause 7.2, clause 8.7 and clause 8.10.
- Additionally the ME shall support the UCS2 facility for the coding of the Chinese characters, as defined in ISO/IEC 10646 [17].

27.22.4.8.8.3 Test purpose

To verify that the ME correctly integrates the menu items in UCS2 coding contained in the SET UP MENU proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that the ME replaces the current list of menu items with the list of menu items contained in the SET UP MENU command.

To verify that the ME removes the current list of menu items following receipt of a SET UP MENU command with no items.

To verify that the ME correctly passes the identifier of the selected menu item to the UICC using the ENVELOPE (MENU SELECTION) command.

To verify that when the help is available for the command and the user gas indicated the need to get help information on one of the items, the ME informs properly the UICC about an HELP REQUEST, using the MENU SELECTION mechanism.

27.22.4.8.8.4 Method of test

27.22.4.8.8.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

The ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The ME screen shall be in its normal stand-by display.

27.22.4.8.8.4.2 Procedure

Expected Sequence 8.1 (SET UP MENU and MENU SELECTION, without Help Request, Replace and Remove a Toolkit Menu, with UCS2 – Chinese characters)

See ETSI TS 102 384 [26] in subclause 27.22.4.8.8.4.2, Expected Sequence 8.1.

27.22.4.8.8.5 Test requirement

The ME shall operate in the manner defined in expected sequence 8.1.

27.22.4.8.9 SET UP MENU (UCS2 display in Katakana) and ENVELOPE MENU SELECTION

27.22.4.8.9.1 Definition and applicability

See clause 3.2.2.

27.22.4.8.9.2 Conformance requirement

The ME shall support the SET UP MENU command as defined in:

- TS 31.111 [15] clause 5, clause 6.4.8, clause 6.6.7, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.2, clause 8.9 and clause 9.4.

The ME shall support MENU SELECTION as defined in:

- TS 31.111 [15] clause 4.4, clause 5.2, clause 6.4.8, clause 6.9, clause 7.2, clause 8.7 and clause 8.10.
- Additionally the ME shall support the UCS2 facility for the coding of the Katakana characters, as defined in ISO/IEC 10646 [17].

27.22.4.8.9.3 Test purpose

To verify that the ME correctly integrates the menu items in UCS2 coding contained in the SET UP MENU proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that the ME replaces the current list of menu items with the list of menu items contained in the SET UP MENU command.

To verify that the ME removes the current list of menu items following receipt of a SET UP MENU command with no items.

To verify that the ME correctly passes the identifier of the selected menu item to the UICC using the ENVELOPE (MENU SELECTION) command.

To verify that when the help is available for the command and the user gas indicated the need to get help information on one of the items, the ME informs properly the UICC about an HELP REQUEST, using the MENU SELECTION mechanism.

27.22.4.8.9.4 Method of test

27.22.4.8.9.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

The ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The ME screen shall be in its normal stand-by display.

27.22.4.8.9.4.2 Procedure

Expected Sequence 9.1 (SET UP MENU and MENU SELECTION, without Help Request, Replace and Remove a Toolkit Menu, with UCS2 in Katakana Characters)

See ETSI TS 102 384 [26] in subclause 27.22.4.8.9.4.2, Expected Sequence 9.1.

27.22.4.8.9.5 Test requirement

The ME shall operate in the manner defined in expected sequence 9.1.

27.22.4.9 SELECT ITEM

27.22.4.9.1 SELECT ITEM (mandatory features for ME supporting SELECT ITEM)

27.22.4.9.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.9.1.2 Conformance requirement

The ME shall support the Proactive UICC: Select Item facility as defined in the following technical specifications:

TS 31.111 [15] clause 5, clause 6.4.9, clause 6.6.8, clause 8.6, clause 8.7, clause 8.2, clause 8.9, clause 9.4 and clause 10.

27.22.4.9.1.3 Test purpose

To verify that the ME correctly presents the set of items contained in the SELECT ITEM proactive UICC command, and returns a TERMINAL RESPONSE command to the UICC with the identifier of the item chosen.

To verify that the ME allows a SELECT ITEM proactive UICC command within the maximum 255 byte BER-TLV boundary.

To verify that the ME returns a TERMINAL RESPONSE with "Proactive UICC application session terminated by the user", if the user has indicated the need to end the proactive UICC session.

To verify that the ME returns a TERMINAL RESPONSE with "Backwards move in the proactive UICC application session requested by the user", if the user has indicated the need to go backwards in the proactive UICC application session.

27.22.4.9.1.4 Method of test

27.22.4.9.1.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

27.22.4.9.1.4.2 Procedure

Expected Sequence 1.1 (SELECT ITEM, mandatory features, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.9.1.4.2, Expected Sequence 1.1.

Expected Sequence 1.2 (SELECT ITEM, large menu, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.9.1.4.2, Expected Sequence 1.2.

Expected Sequence 1.3 (SELECT ITEM, call options, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.9.1.4.2, Expected Sequence 1.3.

Expected Sequence 1.4 (SELECT ITEM, backward move by user, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.9.1.4.2, Expected Sequence 1.4.

Expected Sequence 1.5 (SELECT ITEM, "Y", successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.9.1.4.2, Expected Sequence 1.5.

Expected Sequence 1.6 (SELECT ITEM, Large menu, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.9.1.4.2, Expected Sequence 1.6.

The following table details the test commands with relation to the tested features:

| | Proactive UICC Command Facilities | | | | | | | | | | |
|---|-----------------------------------|-----------------|---------------------------|--|--|--|--|--|--|--|--|
| Proactive UICC Command SELECT ITEM Number | Alpha Identifier Length | Number of items | Maximum length of item | | | | | | | | |
| 1.1 | 14 | 4 | 6 | | | | | | | | |
| 1.2 | 10 | 30 | 8 | | | | | | | | |
| 1.3 | 10 | 7 | 43 | | | | | | | | |
| 1.4 | 11 | 2 | 3 | | | | | | | | |
| 1.5 | 236 | 1 | 1 | | | | | | | | |
| 1.6 | 10 | 7 | 37 | | | | | | | | |

27.22.4.9.1.5 Test requirement

The ME shall operate in the manner defined in expected sequences 1.1, 1.2, 1.3, 1.4, 1.5 and 1.6 (SELECT ITEM, mandatory features).

27.22.4.9.2 SELECT ITEM (next action support)

27.22.4.9.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.9.2.2 Conformance Requirement

Same as clause 27.22.4.9.1.2.

27.22.4.9.2.3 Test purpose

To verify that the mobile supports next action indicator mode.

27.22.4.9.2.4 Method of test

27.22.4.9.2.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

27.22.4.9.2.4.2 Procedure

Expected Sequence 2.1 (SELECT ITEM, next action indicator, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.9.2.4.2, Expected Sequence 2.1.

27.22.4.9.2.5 Test requirement

The ME shall operate in the manner defined in expected sequence 2.1

27.22.4.9.3 SELECT ITEM (default item support)

27.22.4.9.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.9.3.2 Conformance requirement

Same as clause 27.22.4.9.1.2.

27.22.4.9.3.3 Test purpose

To verify that the mobile supports "default item" mode.

27.22.4.9.3.4 Method of test

27.22.4.9.3.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

27.22.4.9.3.4.2 Procedure

Expected Sequence 3.1 (SELECT ITEM, default item, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.9.3.4.2, Expected Sequence 3.1.

27.22.4.9.3.5 Test requirement

The ME shall operate in the manner defined in expected sequence 3.1

27.22.4.9.4 SELECT ITEM (help request support)

27.22.4.9.4.1 Definition and applicability

See clause 3.2.2.

27.22.4.9.4.2 Conformance requirement

Same as clause 27.22.4.9.1.2.

27.22.4.9.4.3 Test purpose

To verify that the mobile supports "help request" for the command Select Item.

27.22.4.9.4.4 Method of test

27.22.4.9.4.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

27.22.4.9.4.4.2 Procedure

Expected Sequence 4.1 (SELECT ITEM, help request, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.9.4.4.2, Expected Sequence 4.1.

27.22.4.9.4.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.1

27.22.4.9.5 SELECT ITEM (icons support)

27.22.4.9.5.1 Definition and applicability

See clause 3.2.2.

27.22.4.9.5.2 Conformance requirement

Same as clause 27.22.4.9.1.2 and TS 31.111 [15] clause 8.31 and clause 8.32.

27.22.4.9.5.3 Test purpose

To verify that the mobile displays icons with the command Select Item.

27.22.4.9.5.4 Method of test

27.22.4.9.5.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

27.22.4.9.5.4.2 Procedure

Expected Sequence 5.1A (SELECT ITEM, BASIC ICON NOT SELF EXPLANATORY, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.9.5.4.2, Expected Sequence 5.1A.

Expected Sequence 5.1B (SELECT ITEM, BASIC ICON NOT SELF EXPLANATORY, requested icon could not be displayed)

See ETSI TS 102 384 [26] in subclause 27.22.4.9.5.4.2, Expected Sequence 5.1B.

Expected Sequence 5.2A (SELECT ITEM, BASIC ICON SELF EXPLANATORY, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.9.5.4.2, Expected Sequence 5.2A.

Expected Sequence 5.2B (SELECT ITEM, BASIC ICON SELF EXPLANATORY, requested icon could not be displayed)

See ETSI TS 102 384 [26] in subclause 27.22.4.9.5.4.2, Expected Sequence 5.2B.

27.22.4.9.5.5 Test requirement

The ME shall operate in the manner defined in expected sequences 5.1A to 5.2B.

27.22.4.9.6 SELECT ITEM (presentation style)

27.22.4.9.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.9.6.2 Conformance requirement

Same as clause 27.22.4.9.1.2.

27.22.4.9.6.3 Test purpose

To verify that the mobile supports the "presentation style" with the command Select Item.

27.22.4.9.6.4 Method of test

27.22.4.9.6.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

27.22.4.9.6.4.2 Procedure

Expected Sequence 6.1 (SELECT ITEM, PRESENTATION AS A CHOICE OF NAVIGATION OPTIONS, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.9.6.4.2, Expected Sequence 6.1.

Expected Sequence 6.2 (SELECT ITEM, PRESENTATION AS A CHOICE OF DATA VALUES, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.9.6.4.2, Expected Sequence 6.2.

27.22.4.9.6.5 Test requirement

The ME shall operate in the manner defined in expected sequences 6.1 and 6.2.

27.22.4.9.7 SELECT ITEM (soft keys support)

27.22.4.9.7.1 Definition and applicability

See clause 3.2.2.

27.22.4.9.7.2 Conformance requirement

Same as clause 27.22.4.9.1.2.

27.22.4.9.7.3 Test purpose

To verify that the mobile supports the "soft keys" with the command Select Item.

27.22.4.9.7.4 Method of test

27.22.4.9.7.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

27.22.4.9.7.4.2 Procedure

Expected Sequence 7.1 (SELECT ITEM, SELECTING USING SOFT KEYS PREFERRED, successful, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.9.7.4.2, Expected Sequence 7.1.

27.22.4.9.7.5 Test requirement

The ME shall operate in the manner defined in expected sequence 7.1.

27.22.4.9.8 SELECT ITEM (Support of "No response from user")

27.22.4.9.8.1 Definition and applicability

See clause 3.2.2.

27.22.4.9.8.2 Conformance requirement

Same as clause 27.22.4.9.1.2.

27.22.4.9.8.3 Test purpose

To verify that after a period of user inactivity the ME returns a "No response from user" result value in the TERMINAL RESPONSE command sent to the UICC.

27.22.4.9.8.4 Method of test

27.22.4.9.8.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The ME Manufacturer shall have defined the "no response from user" period of time as declared in table A.2/4.

The USIM Simulator shall be set to that period of time.

27.22.4.9.8.4.2 Procedure

Expected Sequence 8.1 (SELECT ITEM, no response from user)

See ETSI TS 102 384 [26] in subclause 27.22.4.9.8.4.2, Expected Sequence 8.1.

27.22.4.9.8.5 Test requirement

The ME shall operate in the manner defined in expected sequence 8.1.

27.22.4.9.9 SELECT ITEM (Support of Text Attribute)

27.22.4.9.9.1 SELECT ITEM (Support of Text Attribute – Left Alignment)

27.22.4.9.9.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.9.9.1.2 Conformance requirement

Requirements are the same as in clause 27.22.4.9.1.2, with an additional one:

- 3GPP 31.111 [15] clauses 6.5.4, 8.70 and 8.71.

27.22.4.9.9.1.3 Test purpose

To verify that the ME displays text formatted according to the left alignment text attribute configuration within the command Select Item.

27.22.4.9.9.1.4 Method of test

27.22.4.9.9.1.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

27.22.4.9.9.1.4.2 Procedure

Expected Sequence 9.1 (SELECT ITEM, Text Attribute – Left Alignment)

See ETSI TS 102 384 [26] in subclause 27.22.4.9.9.1.4.2, Expected Sequence 9.1.

27.22.4.9.9.1.5 Test requirement

The ME shall operate in the manner defined in expected sequence 9.1.

27.22.4.9.9.2 SELECT ITEM (Support of Text Attribute – Center Alignment)

27.22.4.9.9.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.9.9.2.2 Conformance requirement

Requirements are the same as in clause 27.22.4.9.1.2, with an additional one:

- 3GPP 31.111 [15] clauses 6.5.4, 8.70 and 8.71.

27.22.4.9.9.2.3 Test purpose

To verify that the ME displays text formatted according to the center alignment text attribute configuration within the command Select Item.

27.22.4.9.9.2.4 Method of test

27.22.4.9.9.2.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

27.22.4.9.9.2.4.2 Procedure

Expected Sequence 9.2 (SELECT ITEM, Text Attribute - Center Alignment)

See ETSI TS 102 384 [26] in subclause 27.22.4.9.9.2.4.2, Expected Sequence 9.2.

27.22.4.9.9.2.5 Test requirement

The ME shall operate in the manner defined in expected sequence 9.2.

27.22.4.9.9.3 SELECT ITEM (Support of Text Attribute – Right Alignment)

27.22.4.9.9.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.9.9.3.2 Conformance requirement

Requirements are the same as in clause 27.22.4.9.1.2, with an additional one:

- 3GPP 31.111 [15] clauses 6.5.4, 8.70 and 8.71.

27.22.4.9.9.3.3 Test purpose

To verify that the ME displays text formatted according to the right alignment text attribute configuration within the command Select Item.

27.22.4.9.9.3.4 Method of test

27.22.4.9.9.3.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

27.22.4.9.9.3.4.2 Procedure

Expected Sequence 9.3 (SELECT ITEM, Text Attribute – Right Alignment)

See ETSI TS 102 384 [26] in subclause 27.22.4.9.9.3.4.2, Expected Sequence 9.3.

27.22.4.9.9.3.5 Test requirement

The ME shall operate in the manner defined in expected sequence 9.3.

27.22.4.9.9.4 SELECT ITEM (Support of Text Attribute – Large Font Size)

27.22.4.9.9.4.1 Definition and applicability

See clause 3.2.2.

27.22.4.9.9.4.2 Conformance requirement

Requirements are the same as in clause 27.22.4.9.1.2, with an additional one:

- 3GPP 31.111 [15] clauses 6.5.4, 8.70 and 8.71.

27.22.4.9.9.4.3 Test purpose

To verify that the ME displays text formatted according to the large font size text attribute configuration within the command Select Item.

27.22.4.9.9.4.4 Method of test

27.22.4.9.9.4.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

27.22.4.9.9.4.4.2 Procedure

Expected Sequence 9.4 (SELECT ITEM, Text Attribute – Large Font Size)

See ETSI TS 102 384 [26] in subclause 27.22.4.9.9.4.4.2, Expected Sequence 9.4.

27.22.4.9.9.4.5 Test requirement

The ME shall operate in the manner defined in expected sequence 9.4.

27.22.4.9.9.5 SELECT ITEM (Support of Text Attribute – Small Font Size)

27.22.4.9.9.5.1 Definition and applicability

See clause 3.2.2.

27.22.4.9.9.5.2 Conformance requirement

Requirements are the same as in clause 27.22.4.9.1.2, with an additional one:

- 3GPP 31.111 [15] clauses 6.5.4, 8.70 and 8.71.

27.22.4.9.9.5.3 Test purpose

To verify that the ME displays text formatted according to the small font size text attribute configuration within the command Select Item.

27.22.4.9.9.5.4 Method of test

27.22.4.9.9.5.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

27.22.4.9.9.5.4.2 Procedure

Expected Sequence 9.5 (SELECT ITEM, Text Attribute - Small Font Size)

See ETSI TS 102 384 [26] in subclause 27.22.4.9.9.5.4.2, Expected Sequence 9.5.

27.22.4.9.9.5.5 Test requirement

The ME shall operate in the manner defined in expected sequence 9.5.

27.22.4.9.9.6 SELECT ITEM (Support of Text Attribute – Bold On)

27.22.4.9.9.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.9.9.6.2 Conformance requirement

Requirements are the same as in clause 27.22.4.9.1.2, with an additional one:

- 3GPP 31.111 [15] clauses 6.5.4, 8.70 and 8.71.

27.22.4.9.9.6.3 Test purpose

To verify that the ME displays text formatted according to the bold text attribute configuration within the command Select Item.

27.22.4.9.9.6.4 Method of test

27.22.4.9.9.6.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

27.22.4.9.9.6.4.2 Procedure

Expected Sequence 9.6 (SELECT ITEM, Text Attribute - Bold On)

See ETSI TS 102 384 [26] in subclause 27.22.4.9.9.6.4.2, Expected Sequence 9.6.

27.22.4.9.9.6.5 Test requirement

The ME shall operate in the manner defined in expected sequence 9.6.

27.22.4.9.9.7 SELECT ITEM (Support of Text Attribute – Italic On)

27.22.4.9.9.7.1 Definition and applicability

See clause 3.2.2.

27.22.4.9.9.7.2 Conformance requirement

Requirements are the same as in clause 27.22.4.9.1.2, with an additional one:

- 3GPP 31.111 [15] clauses 6.5.4, 8.70 and 8.71.

27.22.4.9.9.7.3 Test purpose

To verify that the ME displays text formatted according to the italic text attribute configuration within the command Select Item.

27.22.4.9.9.7.4 Method of test

27.22.4.9.9.7.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

27.22.4.9.9.7.4.2 Procedure

Expected Sequence 9.7 (SELECT ITEM, Text Attribute – Italic On)

See ETSI TS 102 384 [26] in subclause 27.22.4.9.9.7.4.2, Expected Sequence 9.7.

27.22.4.9.9.7.5 Test requirement

The ME shall operate in the manner defined in expected sequence 9.7.

27.22.4.9.9.8 SELECT ITEM (Support of Text Attribute – Underline On)

27.22.4.9.9.8.1 Definition and applicability

See clause 3.2.2.

27.22.4.9.9.8.2 Conformance requirement

Requirements are the same as in clause 27.22.4.9.1.2, with an additional one:

- 3GPP 31.111 [15] clauses 6.5.4, 8.70 and 8.71.

27.22.4.9.9.8.3 Test purpose

To verify that the ME displays text formatted according to the underline text attribute configuration within the command Select Item.

27.22.4.9.9.8.4 Method of test

27.22.4.9.9.8.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

27.22.4.9.9.8.4.2 Procedure

Expected Sequence 9.8 (SELECT ITEM, Text Attribute - Underline On)

See ETSI TS 102 384 [26] in subclause 27.22.4.9.9.8.4.2, Expected Sequence 9.8.

27.22.4.9.9.8.5 Test requirement

The ME shall operate in the manner defined in expected sequence 9.8.

27.22.4.9.9.9 SELECT ITEM (Support of Text Attribute – Strikethrough On)

27.22.4.9.9.9.1 Definition and applicability

See clause 3.2.2.

27.22.4.9.9.9.2 Conformance requirement

Requirements are the same as in clause 27.22.4.9.1.2, with an additional one:

- 3GPP 31.111 [15] clauses 6.5.4, 8.70 and 8.71.

27.22.4.9.9.9.3 Test purpose

To verify that the ME displays text formatted according to the strikethrough text attribute configuration within the command Select Item.

27.22.4.9.9.9.4 Method of test

27.22.4.9.9.9.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

27.22.4.9.9.9.4.2 Procedure

Expected Sequence 9.9 (SELECT ITEM, Text Attribute – Strikethrough On)

See ETSI TS 102 384 [26] in subclause 27.22.4.9.9.9.4.2, Expected Sequence 9.9.

27.22.4.9.9.5 Test requirement

The ME shall operate in the manner defined in expected sequence 9.9.

27.22.4.9.9.10 SELECT ITEM (Support of Text Attribute – Foreground and Background Colour)

27.22.4.9.9.10.1 Definition and applicability

See clause 3.2.2.

27.22.4.9.9.10.2 Conformance requirement

Requirements are the same as in clause 27.22.4.9.1.2, with an additional one:

- 3GPP 31.111 [15] clauses 6.5.4, 8.70 and 8.71.

27.22.4.9.9.10.3 Test purpose

To verify that the ME displays text formatted according to the foreground and background colour text attribute configuration within the command Select Item.

27.22.4.9.9.10.4 Method of test

27.22.4.9.9.10.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

27.22.4.9.9.10.4.2 Procedure

Expected Sequence 9.10 (SELECT ITEM, Text Attribute – Foreground and Background Colour)

See ETSI TS 102 384 [26] in subclause 27.22.4.9.9.10.4.2, Expected Sequence 9.10.

27.22.4.9.9.10.5 Test requirement

The ME shall operate in the manner defined in expected sequence 9.10.

27.22.4.9.10 SELECT ITEM (UCS2 display in Cyrillic)

27.22.4.9.10.1 Definition and applicability

See clause 3.2.2.

27.22.4.9.10.2 Conformance requirement

The ME shall support the Proactive UICC: Select Item facility as defined in the following technical specifications:

- TS 31.111 [15] clause 5, clause 6.4.9, clause 6.6.8, clause 8.6, clause 8.7, clause 8.2, clause 8.9, clause 9.4 and clause 10.
- Additionally the ME shall support the UCS2 facility for the coding of the Cyrillic characters, as defined in ISO/IEC 10646 [17].

27.22.4.9.10.3 Test purpose

To verify that the ME correctly presents the set of items in UCS2 coding contained in the SELECT ITEM proactive UICC command, and returns a TERMINAL RESPONSE command to the UICC with the identifier of the item chosen.

To verify that the ME allows a SELECT ITEM proactive UICC command within the maximum 255 byte BER-TLV boundary.

To verify that the ME returns a TERMINAL RESPONSE with "Proactive UICC application session terminated by the user", if the user has indicated the need to end the proactive UICC session.

To verify that the ME returns a TERMINAL RESPONSE with "Backwards move in the proactive UICC application session requested by the user", if the user has indicated the need to go backwards in the proactive UICC application session.

27.22.4.9.10.4 Method of test

27.22.4.9.10.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

27.22.4.9.10.4.2 Procedure

Expected Sequence 10.1 (SELECT ITEM with UCS2 in Cyrillic characters, 0x80 UCS2 coding, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.9.10.4.2, Expected Sequence 10.1.

Expected Sequence 10.2 (SELECT ITEM with UCS2 in Cyrillic characters, 0x81 UCS2 coding, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.9.10.4.2, Expected Sequence 10.2.

Expected Sequence 10.3 (SELECT ITEM with UCS2 in Cyrillic characters, 0x82 UCS2 coding, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.9.10.4.2, Expected Sequence 10.3.

27.22.4.9.10.5 Test requirement

The ME shall operate in the manner defined in expected sequences 10.1 to 10.3.

27.22.4.9.11 SELECT ITEM (UCS2 display in Chinese)

27.22.4.9.11.1 Definition and applicability

See clause 3.2.2.

27.22.4.9.11.2 Conformance requirement

The ME shall support the Proactive UICC: Select Item facility as defined in the following technical specifications:

- TS 31.111 [15] clause 5, clause 6.4.9, clause 6.6.8, clause 8.6, clause 8.7, clause 8.2, clause 8.9, clause 9.4 and clause 10.
- Additionally the ME shall support the UCS2 facility for the coding of the Chinese characters, as defined in ISO/IEC 10646 [17].

27.22.4.9.11.3 Test purpose

To verify that the ME correctly presents the set of items in UCS2 coding contained in the SELECT ITEM proactive UICC command, and returns a TERMINAL RESPONSE command to the UICC with the identifier of the item chosen.

To verify that the ME allows a SELECT ITEM proactive UICC command within the maximum 255 byte BER-TLV boundary.

To verify that the ME returns a TERMINAL RESPONSE with "Proactive UICC application session terminated by the user", if the user has indicated the need to end the proactive UICC session.

To verify that the ME returns a TERMINAL RESPONSE with "Backwards move in the proactive UICC application session requested by the user", if the user has indicated the need to go backwards in the proactive UICC application session.

27.22.4.9.11.4 Method of test

27.22.4.9.11.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

27.22.4.9.11.4.2 Procedure

Expected Sequence 11.1 (SELECT ITEM with UCS2 in Chinese characters, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.9.11.4.2, Expected Sequence 11.1.

27.22.4.9.11.5 Test requirement

The ME shall operate in the manner defined in expected sequence 11.1.

27.22.4.9.12 SELECT ITEM (UCS2 display in Katakana)

27.22.4.9.12.1 Definition and applicability

See clause 3.2.2.

27.22.4.9.12.2 Conformance requirement

The ME shall support the Proactive UICC: Select Item facility as defined in the following technical specifications:

- TS 31.111 [15] clause 5, clause 6.4.9, clause 6.6.8, clause 8.6, clause 8.7, clause 8.2, clause 8.9, clause 9.4 and clause 10.
- Additionally the ME shall support the UCS2 facility for the coding of the Katakana characters, as defined in ISO/IEC 10646 [17].

27.22.4.9.12.3 Test purpose

To verify that the ME correctly presents the set of items in UCS2 coding contained in the SELECT ITEM proactive UICC command, and returns a TERMINAL RESPONSE command to the UICC with the identifier of the item chosen.

To verify that the ME allows a SELECT ITEM proactive UICC command within the maximum 255 byte BER-TLV boundary.

To verify that the ME returns a TERMINAL RESPONSE with "Proactive UICC application session terminated by the user", if the user has indicated the need to end the proactive UICC session.

To verify that the ME returns a TERMINAL RESPONSE with "Backwards move in the proactive UICC application session requested by the user", if the user has indicated the need to go backwards in the proactive UICC application session.

27.22.4.9.12.4 Method of test

27.22.4.9.12.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

27.22.4.9.12.4.2 Procedure

Expected Sequence 12.1 (SELECT ITEM with UCS2 in Katakana characters, 0x80 UCS2 coding, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.9.12.4.2, Expected Sequence 12.1.

Expected Sequence 12.2 (SELECT ITEM with UCS2 - Katakana characters, 0x81 UCS2 coding, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.9.12.4.2, Expected Sequence 12.2.

Expected Sequence 12.3 (SELECT ITEM with UCS2 - Katakana characters, 0x82 UCS2 coding, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.9.12.4.2, Expected Sequence 12.3.

27.22.4.9.12.5 Test requirement

The ME shall operate in the manner defined in expected sequences 12.1 to 12.3.

27.22.4.10 SEND SHORT MESSAGE

27.22.4.10.1 SEND SHORT MESSAGE (normal)

27.22.4.10.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.10.1.2 Conformance requirement

The ME shall support the Proactive UICC: SEND SHORT MESSAGE facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.10, clause 6.6.9, clause 8.1, clause 8.2, clause 8.6, clause 8.7, clause 8.13, clause 8.31 and clause 5.2.

27.22.4.10.1.3 Test purpose

To verify that the ME correctly formats and sends a short message to the network (USS) as indicated in the SEND SHORT MESSAGE proactive UICC command, and returns a TERMINAL RESPONSE command to the UICC indicating the status of the transmission of the Short Message.

27.22.4.10.1.4 Method of test

27.22.4.10.1.4.1 Initial conditions

The ME is connected to the USIM Simulator and connected to the USS.

27.22.4.10.1.4.2 Procedure

Expected Sequence 1.1 (Void)

Expected Sequence 1.2 (Void)

Expected Sequence 1.3 (Void)

Expected Sequence 1.4 (Void)

Expected Sequence 1.5 (Void)

Expected Sequence 1.6 (Void)

Expected Sequence 1.7 (Void)

Expected Sequence 1.8 (Void)

Expected Sequence 1.9 (Send Short Message over CS, UTRAN/GERAN)

Perform the "CS related procedure" and continue with "Generic Test Procedure 1 (SEND SHORT MESSAGE)" as defined clause 27.22.4.10.7.4.2 as "Expected Sequence 1.9" with the following parameters:

- Used Network Simulator (NWS): USS (UMTS System Simulator or System Simulator)
- CS is used to send and receive short messages
- ME supports UTRAN or GERAN

CS related procedure:

| Step | Direction | MESSAGE / Action | Comments |
|------|----------------------|------------------------------|---|
| 1 | $USER \to ME$ | The ME is switched on | ME will perform Profile Download and USIM |
| | | | initialisation |
| 2 | $ME \rightarrow NWS$ | ME performs regular network | |
| | | registration. | |
| 3 | | CONTINUE WITH STEP 4 Generic | |
| | | Test Procedure 1 (SEND SHORT | |
| | | MESSAGE) in clause | |
| | | 27.22.4.10.7.4.2 | |

27.22.4.10.1.5 Test requirement

The ME shall operate in the manner defined in expected sequence 1.9.

27.22.4.10.2 SEND SHORT MESSAGE (UCS2 display in Cyrillic)

27.22.4.10.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.10.2.2 Conformance requirement

The ME shall support the Proactive UICC: SEND SHORT MESSAGE facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.10, clause 6.6.9, clause 8.1, clause 8.2, clause 8.6, clause 8.7, clause 8.13, clause 8.31 and clause 5.2.

Additionally, the ME shall support the UCS2 facility for the coding of the Cyrillic alphabet, as defined in the following technical specifications: ISO/IEC 10646 [17].

27.22.4.10.2.3 Test purpose

To verify that the ME correctly formats and sends a short message to the network (USS) as indicated in the SEND SHORT MESSAGE proactive UICC command, and returns a TERMINAL RESPONSE command to the UICC indicating the status of the transmission of the Short Message.

27.22.4.10.2.4 Method of test

27.22.4.10.2.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table. Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

27.22.4.10.2.4.2 Procedure

Expected Sequence 2.1 (SEND SHORT MESSAGE, packing not required, UCS2 (16-bit data in Cyrillic))

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SHORT | |
| | .45 | MESSAGE 2.1.1 | |
| 2 | ME → UICC | FETCH | [naching naturation of AC hit data] |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND SHORT MESSAGE 2.1.1 | [packing not required, 16-bit data] |
| 4 | ME → USER | Display "ЗДРАВСТВУЙТЕ" | [Alpha Identifier] |
| | ML 700LK | Biopidy odi Aborbittie | "Hello" in Russian, 0x80 coding of UCS2 |
| | | | format |
| 5 | $ME \rightarrow USS$ | Send SMS-PP (SEND SHORT | Cyrillic |
| | | MESSAGE) Message 2.1 | |
| 6 | $USS \to ME$ | SMS RP-ACK | |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| 8 | $UICC \to ME$ | SHORT MESSAGE 2.1.1 PROACTIVE UICC SESSION | |
| 0 | | ENDED | |
| 9 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SHORT | |
| | | MESSAGE 2.1.2 | |
| 10 | $ME \rightarrow UICC$ | FETCH | |
| 11 | $UICC \to ME$ | PROACTIVE COMMAND SEND | |
| 12 | ME → USER | SHORT MESSAGE 2.1.2 Display "ЗДРАВСТВУЙТЕ" | [Alpha Identifier] |
| 12 | IVIE → USER | Display SAFABOTBYHTE | "Hello" in Russian, 0x81 coding of UCS2 |
| | | | format |
| 13 | $ME \rightarrow USS$ | Send SMS-PP (SEND SHORT | |
| | | MESSAGE) Message 2.1 | |
| 14 | $USS \to ME$ | SMS RP-ACK | |
| 15 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| 16 | $UICC \to ME$ | SHORT MESSAGE 2.1.1 PROACTIVE UICC SESSION | |
| 10 | OICC → IVIL | ENDED | |
| 17 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SHORT | |
| | | MESSAGE 2.1.3 | |
| 18 | ME → UICC | FETCH | [11000 - lab - last] |
| 19 | $UICC \to ME$ | PROACTIVE COMMAND: SEND SHORT MESSAGE 2.1.3 | [UCS2 alphabet] |
| 20 | ME → USER | Display "ЗДРАВСТВУЙТЕ" | [Alpha Identifier] |
| 20 | WIL -> OOLK | Biopiay od 7801877112 | "Hello" in Russian, 0x82 coding of UCS2 |
| | | | format |
| 21 | $ME \rightarrow USS$ | Send SMS-PP (SEND SHORT | |
| | | MESSAGE) Message 2.1 | |
| 22 | USS → ME | SMS RP-ACK | |
| 23 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND SHORT MESSAGE 2.1.1 | [Command performed successfully] |
| 24 | $UICC \to ME$ | PROACTIVE UICC SESSION | |
| | | ENDED | |
| 1 | 1 | j | ! |

PROACTIVE COMMAND: SEND SHORT MESSAGE: 2.1.1

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "ЗДРАВСТВУЙТЕ"

Address

TON: International number

NPI: "ISDN / telephone numbering plan"

Dialling number string "112233445566778"

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD Instruct the SC to accept an SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-RP TP-Reply-Path is not set in this SMS-SUBMIT TP-UDHI The TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "00"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "012345678"

TP-PID Short message type 0

TP-DCS

Message coding 16-bit data Message class class 0 TP-UDL 24

TP-UD "ЗДРАВСТВУЙТЕ"

Coding:

| BER-TLV: | D0 | 55 | 81 | 03 | 01 | 13 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 19 | 80 | 04 | 17 | 04 | 14 | 04 | 20 | 04 | 10 | 04 | 12 |
| | 04 | 21 | 04 | 22 | 04 | 12 | 04 | 23 | 04 | 19 | 04 | 22 |
| | 04 | 15 | 86 | 09 | 91 | 11 | 22 | 33 | 44 | 55 | 66 | 77 |
| | F8 | 8B | 24 | 01 | 00 | 09 | 91 | 10 | 32 | 54 | 76 | F8 |
| | 40 | 08 | 18 | 04 | 17 | 04 | 14 | 04 | 20 | 04 | 10 | 04 |
| | 12 | 04 | 21 | 04 | 22 | 04 | 12 | 04 | 23 | 04 | 19 | 04 |
| | 22 | 04 | 15 | | | | | | | | | |

SMS-PP (SEND SHORT MESSAGE) Message 2.1

Logically:

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD Instruct the SC to accept an SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-RP TP-Reply-Path is not set in this SMS-SUBMIT TP-UDHI The TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "01"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "012345678"

TP-PID Short message type 0

TP-DCS

Message coding UCS2 (16-bit data)

Message class 0 TP-UDL 24

ТР-UD "ЗДРАВСТВУЙТЕ"

Coding:

| Coding | 01 | 01 | 09 | 91 | 10 | 32 | 54 | 76 | F8 | 40 | 80 | 18 |
|--------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 04 | 17 | 04 | 14 | 04 | 20 | 04 | 10 | 04 | 12 | 04 | 21 |
| | 04 | 22 | 04 | 12 | 04 | 23 | 04 | 19 | 04 | 22 | 04 | 15 |

PROACTIVE COMMAND: SEND SHORT MESSAGE: 2.1.2

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "ЗДРАВСТВУЙТЕ"

Address

TON: International number

NPI: "ISDN / telephone numbering plan"

Dialling number string "112233445566778"

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD Instruct the SC to accept an SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-RP TP-Reply-Path is not set in this SMS-SUBMIT TP-UDHI TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "00"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "012345678"

TP-PID Short message type 0

TP-DCS

Message coding 16-bit data Message class class 0 TP-UDL 24

ТР-UD "ЗДРАВСТВУЙТЕ"

Coding:

| BER-TLV: | D0 | 4B | 81 | 03 | 01 | 13 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0F | 81 | 0C | 08 | 97 | 94 | A0 | 90 | 92 | A1 | A2 | 92 |
| | A3 | 99 | A2 | 95 | 86 | 09 | 91 | 11 | 22 | 33 | 44 | 55 |
| | 66 | 77 | F8 | 8B | 24 | 01 | 00 | 09 | 91 | 10 | 32 | 54 |
| | 76 | F8 | 40 | 08 | 18 | 04 | 17 | 04 | 14 | 04 | 20 | 04 |
| | 10 | 04 | 12 | 04 | 21 | 04 | 22 | 04 | 12 | 04 | 23 | 04 |
| | 19 | 04 | 22 | 04 | 15 | | | | | | | |

PROACTIVE COMMAND: SEND SHORT MESSAGE: 2.1.3

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "ЗДРАВСТВУЙТЕ"

Address

TON: International number

NPI: "ISDN / telephone numbering plan"

Dialling number string "112233445566778"

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD Instruct the SC to accept an SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-RP TP-Reply-Path is not set in this SMS-SUBMIT TP-UDHI The TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "00"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "012345678"

TP-PID Short message type 0

TP-DCS

Message coding 16-bit data Message class class 0 TP-UDL 24

TP-UD "ЗДРАВСТВУЙТЕ"

Coding:

| BER-TLV: | D0 | 4C | 81 | 03 | 01 | 13 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 82 | 0C | 04 | 10 | 87 | 84 | 90 | 80 | 82 | 91 | 92 |
| | 82 | 93 | 89 | 92 | 85 | 86 | 09 | 91 | 11 | 22 | 33 | 44 |
| | 55 | 66 | 77 | F8 | 8B | 24 | 01 | 00 | 09 | 91 | 10 | 32 |
| | 54 | 76 | F8 | 40 | 08 | 18 | 04 | 17 | 04 | 14 | 04 | 20 |
| | 04 | 10 | 04 | 12 | 04 | 21 | 04 | 22 | 04 | 12 | 04 | 23 |
| | 04 | 19 | 04 | 22 | 04 | 15 | | | | | | |

TERMINAL RESPONSE: SEND SHORT MESSAGE 2.1.1

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE

Command qualifier: packing not required

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| | | 00 | | | | 00 | | 0.0 | | | | |
|----------|----|------|------|------|----|------|----|------|------|----|----|----|
| BER-TLV: | 81 | I 03 | l 01 | l 13 | 00 | l 82 | 02 | l 82 | l 81 | 83 | 01 | 00 |

27.22.4.10.2.5 Test requirement

The ME shall operate in the manner defined in expected sequence 2.1.

27.22.4.10.3 SEND SHORT MESSAGE (icon support)

27.22.4.10.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.10.3.2 Conformance requirement

27.22.4.10.3.3 Test purpose

To verify that the ME correctly formats and sends a short message to the network (USS) as indicated in the SEND SHORT MESSAGE proactive UICC command, and returns a TERMINAL RESPONSE command to the UICC indicating the status of the transmission of the Short Message.

27.22.4.10.3.4 Method of test

27.22.4.10.3.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table.

The elementary files are coded as Toolkit default.

The ME screen shall be in its normal stand-by display.

27.22.4.10.3.4.2 Procedure

Expected Sequence 3.1A (SEND SHORT MESSAGE, basic icon self-explanatory, packing not required, 8-bit data, successful)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|-------------------------------------|------------------------------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SHORT | |
| | | MESSAGE 3.1.1 | |
| 2 | $ME \to UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | [packing not required, 8-bit data] |
| | | SHORT MESSAGE 3.1.1 | |
| 4 | $ME \rightarrow USER$ | Displays the icon and not the alpha | [basic icon self-explanatory] |
| | | identifier | |
| 5 | $ME \to USS$ | Send SMS-PP (SEND SHORT | |
| | | MESSAGE) Message 3.1 | |
| 6 | $USS \to ME$ | SMS RP-ACK | |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| | | SHORT MESSAGE 3.1.1A | <u>-</u> |

PROACTIVE COMMAND: SEND SHORT MESSAGE 3.1.1

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE

Command qualifier: packing not required

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: "NO ICON"

Address

TON: International number

NPI: "ISDN / telephone numbering plan"

Dialling number string "112233445566778"

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD Instruct the SC to accept an SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-RP TP-Reply-Path is not set in this SMS-SUBMIT TP-UDHI The TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "00"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "012345678"

TP-PID Short message type 0

TP-DCS

Message coding 8bit-data Message class class 0 TP-UDL 12

TP-UD "Test Message"

Icon Identifier

Icon Qualifier self-explanatory

Icon Identifier 1 (number of record in EF IMG)

Coding:

| BER-TLV: | D0 | 3B | 81 | 03 | 01 | 13 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 07 | 4E | 4F | 20 | 49 | 43 | 4F | 4E | 86 | 09 | 91 | 11 |
| | 22 | 33 | 44 | 55 | 66 | 77 | F8 | 8B | 18 | 01 | 00 | 09 |
| | 91 | 10 | 32 | 54 | 76 | F8 | 40 | F4 | 0C | 54 | 65 | 73 |
| | 74 | 20 | 4D | 65 | 73 | 73 | 61 | 67 | 65 | 9E | 02 | 00 |
| | 01 | | | | | | | | | | | |

SMS-PP (SEND SHORT MESSAGE) Message 3.1

Logically:

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD Instruct the SC to accept an SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-RP TP-Reply-Path is not set in this SMS-SUBMIT TP-UDHI TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "01"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "012345678"

TP-PID Short message type 0

TP-DCS

Message coding 8-bit data
Message class class 0
TP-UDL 12

TP-UD "Test Message"

Coding:

| Coding | 01 | 01 | 09 | 91 | 10 | 32 | 54 | 76 | F8 | 40 | F4 | 0C |
|--------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 54 | 65 | 73 | 74 | 20 | 4D | 65 | 73 | 73 | 61 | 67 | 65 |

TERMINAL RESPONSE: SEND SHORT MESSAGE 3.1.1A

Logically:

Command details

Command number:

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 13 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----------|----|----|-----|----|----|----|----|-----|----|----|----|
| | . | | | . • | | | ~- | | • . | | | |

Expected Sequence 3.1B (SEND SHORT MESSAGE, basic icon self-explanatory, packing not required, 8-bit data, requested icon could not be displayed)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|-------------------------------|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SHORT | |
| | | MESSAGE 3.1.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | [packing not required, 8-bit data, basic icon |
| | | SHORT MESSAGE 3.1.1 | self-explanatory]] |
| 4 | $ME \rightarrow USER$ | Displays the alpha identifier | · |
| | | without the icon | |
| 5 | $ME \rightarrow USS$ | Send SMS-PP (SEND SHORT | |
| | | MESSAGE) Message 3.1 | |
| 6 | $USS \to ME$ | SMS RP-ACK | |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully, but |
| | | SHORT MESSAGE 3.1.1B | requested icon could not be displayed] |

TERMINAL RESPONSE: SEND SHORT MESSAGE 3.1.1B

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully, but requested icon could not be displayed

Coding:

| BER-TLV: | 81 | 03 | 01 | 13 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 04 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

Expected Sequence 3.2A (SEND SHORT MESSAGE, basic icon non-self-explanatory, packing not required, 8-bit data, successful)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--------------------------------|------------------------------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SHORT | |
| | | MESSAGE 3.2.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | [packing not required, 8-bit data] |
| | | SHORT MESSAGE 3.2.1 | |
| 4 | $ME \rightarrow USER$ | display the icon and "Send SM" | [basic icon non-self-explanatory] |
| 5 | $ME \to USS$ | Send SMS-PP (SEND SHORT | |
| | | MESSAGE) Message 3.2 | |
| 6 | $USS \to ME$ | SMS RP-ACK | |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| 1 | | SHORT MESSAGE 3.2.1A | |

PROACTIVE COMMAND: SEND SHORT MESSAGE 3.2.1

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: UICC
Destination device: Network
Alpha Identifier "Send SM"

Address

TON: International number

NPI: "ISDN / telephone numbering plan"

Dialling number string "112233445566778"

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD Instruct the SC to accept an SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-RP TP-Reply-Path is not set in this SMS-SUBMIT TP-UDHI TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "00"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "012345678"

TP-PID Short message type 0

TP-DCS

Message coding 8bit-data Message class class 0 TP-UDL 12

TP-UD "Test Message"

Icon Identifier

Icon Qualifier non-self-explanatory

Icon Identifier 1 (number of record in EF IMG)

Coding:

| BER-TLV: | D0 | 3B | 81 | 03 | 01 | 13 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 07 | 53 | 65 | 6E | 64 | 20 | 53 | 4D | 86 | 09 | 91 | 11 |
| | 22 | 33 | 44 | 55 | 66 | 77 | F8 | 8B | 18 | 01 | 00 | 09 |
| | 91 | 10 | 32 | 54 | 76 | F8 | 40 | F4 | 0C | 54 | 65 | 73 |
| | 74 | 20 | 4D | 65 | 73 | 73 | 61 | 67 | 65 | 1E | 02 | 01 |
| | 01 | | | | | | | | | | | |

SMS-PP (SEND SHORT MESSAGE) Message 3.2

Logically:

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD Instruct the SC to accept an SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-RP TP-Reply-Path is not set in this SMS-SUBMIT TP-UDHI The TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "01"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "012345678"

TP-PID Short message type 0

TP-DCS

Message coding 8-bit data Message class class 0 TP-UDL 12

TP-UD "Test Message"

Coding:

| Coding | 01 | 01 | 09 | 91 | 10 | 32 | 54 | 76 | F8 | 40 | F4 | 0C |
|--------|----|----|----|----|----|----|----|----|----|----|----|----|
| _ | 54 | 65 | 73 | 74 | 20 | 4D | 65 | 73 | 73 | 61 | 67 | 65 |

TERMINAL RESPONSE: SEND SHORT MESSAGE 3.2.1A

Logically:

Command details

Command number:

Command type: SEND SHORT MESSAGE

Command qualifier: packing not required

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

|--|

Expected Sequence 3.2B (SEND SHORT MESSAGE, basic icon non-self-explanatory, packing not required, 8-bit data, requested icon could not be displayed)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|------------------------------------|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SHORT | |
| | | MESSAGE 3.2.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | [packing not required, 8-bit data, basic icon |
| | | SHORT MESSAGE 3.2.1 | non-self-explanatory] |
| 4 | $ME \to USER$ | display "Send SM" without the icon | |
| 5 | $ME \to USS$ | Send SMS-PP (SEND SHORT | |
| | | MESSAGE) Message 3.2 | |
| 6 | $USS \to ME$ | SMS RP-ACK | |
| 7 | $ME \to UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully, but |
| | | SHORT MESSAGE 3.2.1B | requested icon could not be displayed] |

TERMINAL RESPONSE: SEND SHORT MESSAGE 3.2.1B

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully, but requested icon could not be displayed;

Coding:

| BER-TLV: | 81 | 03 | 01 | 13 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 04 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

27.22.4.10.3.5 Test requirement

The ME shall operate in the manner defined in expected sequences 3.1A to 3.2B.

27.22.4.10.4 SEND SHORT MESSAGE (Support of Text Attribute)

27.22.4.10.4.1 SEND SHORT MESSAGE (Support of Text Attribute – Left Alignment)

27.22.4.10.4.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.10.4.1.2 Conformance requirement

The ME shall support the Proactive UICC: SEND SHORT MESSAGE facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.10, clause 6.6.9, clause 8.1, clause 8.2, clause 8.6, clause 8.7, clause 8.13, clause 8.31, 8.67 and clause 5.2.

27.22.4.10.4.1.3 Test purpose

To verify that the ME correctly formats and sends a short message to the network (USS) and display the alpha identifier according to the left alignment text attribute configuration as indicated in the SEND SHORT MESSAGE proactive UICC command, and returns a TERMINAL RESPONSE command to the UICC indicating the status of the transmission of the Short Message.

27.22.4.10.4.1.4 Method of test

27.22.4.10.4.1.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

27.22.4.10.4.1.4.2 Procedure

Expected Sequence 4.1 (SEND SHORT MESSAGE, alpha identifier with Text attribute – Left Alignment, packing not required, SMS default alphabet, successful)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND SHORT MESSAGE 4.1.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND SHORT MESSAGE 4.1.1 | [packing not required, SMS default alphabet] |
| 4 | $ME \rightarrow USER$ | Display "Text Attribute 1" | [Message shall be formatted with left alignment] |
| 5 | $ME \rightarrow USS$ | Send SMS-PP (SEND SHORT MESSAGE) Message 4.1 | |
| 6 | $USS \to ME$ | SMS RP-ACK | |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND SHORT MESSAGE 4.1.1 | [Command performed successfully] |
| 8 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND SHORT MESSAGE 4.1.2 | |
| 9 | $ME \rightarrow UICC$ | FETCH | |
| 10 | $UICC \to ME$ | PROACTIVE COMMAND: SEND SHORT MESSAGE 4.1.2 | [packing not required, SMS default alphabet] |
| 11 | ME → USER | Display "Text Attribute 2" | [Message shall be formatted without left alignment. Remark: If left alignment is the ME"s default alignment as declared in table A.2/11, no alignment change will take place] |
| 12 | $ME \rightarrow USS$ | Send SMS-PP (SEND SHORT MESSAGE) Message 4.1 | |
| 13 | $USS \to ME$ | SMS RP-ACK | |
| 14 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND SHORT MESSAGE 4.1.1 | [Command performed successfully] |

PROACTIVE COMMAND: SEND SHORT MESSAGE 4.1.1

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 1"

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD Instruct the SC to accept an SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-RP TP-Reply-Path is not set in this SMS-SUBMIT TP-UDHI TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "00"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "01"

TP-PID Short message type 0

TP-DCS

Message coding SMS default alphabet

Message class 0 TP-UDL 1 TP-UD " "
Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off, Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 2C | 81 | 03 | 01 | 13 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 31 | 8B | 09 | 01 | 00 | 02 | 91 | 10 |
| | 40 | F0 | 01 | 20 | D0 | 04 | 00 | 10 | 00 | B4 | | |

PROACTIVE COMMAND: SEND SHORT MESSAGE 4.1.2

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 2"

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD Instruct the SC to accept an SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-RP TP-Reply-Path is not set in this SMS-SUBMIT
TP-UDHI The TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "00"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "01"

TP-PID Short message type 0

TP-DCS

Message coding SMS default alphabet

Message class class 0
TP-UDL 1
TP-UD " "

Coding:

| BER-TLV: | D0 | 26 | 81 | 03 | 01 | 13 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 32 | 8B | 09 | 01 | 00 | 02 | 91 | 10 |
| | 40 | F0 | 01 | 20 | | | | | | | | |

SMS-PP (SEND SHORT MESSAGE) Message 4.1

Logically:

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD Instruct the SC to accept an SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-Reply-Path is not set in this SMS-SUBMIT

TP-UDHI The TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "01"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "01"

TP-PID Short message type 0

TP-DCS

Message coding SMS default alphabet

Message class class 0
TP-UDL 1
TP-UD " "

Coding:

| Coding | 01 | 01 | 02 | 91 | 10 | 40 | F0 | 01 | 20 |
|--------|----|----|----|----|----|----|----|----|----|
|--------|----|----|----|----|----|----|----|----|----|

TERMINAL RESPONSE: SEND SHORT MESSAGE 4.1.1

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

27.22.4.10.4.1.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.1.

27.22.4.10.4.2 SEND SHORT MESSAGE (Support of Text Attribute – Center Alignment)

27.22.4.10.4.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.10.4.2.2 Conformance requirement

The ME shall support the Proactive UICC: SEND SHORT MESSAGE facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.10, clause 6.6.9, clause 8.1, clause 8.2, clause 8.6, clause 8.7, clause 8.13, clause 8.31, 8.67 and clause 5.2.

27.22.4.10.4.2.3 Test purpose

To verify that the ME correctly formats and sends a short message to the network (USS) and display the alpha identifier according to the center alignment text attribute configuration as indicated in the SEND SHORT MESSAGE proactive UICC command, and returns a TERMINAL RESPONSE command to the UICC indicating the status of the transmission of the Short Message.

27.22.4.10.4.2.4 Method of test

27.22.4.10.4.2.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

27.22.4.10.4.2.4.2 Procedure

Expected Sequence 4.2 (SEND SHORT MESSAGE, alpha identifier with Text attribute – Center Alignment, packing not required, SMS default alphabet, successful)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SHORT | |
| | | MESSAGE 4.2.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND SHORT MESSAGE 4.2.1 | [packing not required, SMS default alphabet] |
| 4 | $ME \to USER$ | Display "Text Attribute 1" | [Message shall be formatted with center alignment] |
| 5 | $ME \to USS$ | Send SMS-PP (SEND SHORT MESSAGE) Message 4.1 | |
| 6 | $USS \to ME$ | SMS RP-ACK | |
| 7 | $ME \to UICC$ | TERMINAL RESPONSE: SEND SHORT MESSAGE 4.2.1 | [Command performed successfully] |
| 8 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND SHORT MESSAGE 4.2.2 | |
| 9 | $ME \rightarrow UICC$ | FETCH | |
| 10 | $UICC \to ME$ | PROACTIVE COMMAND: SEND SHORT MESSAGE 4.2.2 | [packing not required, SMS default alphabet] |
| 11 | $ME \to USER$ | Display "Text Attribute 2" | [Message shall be formatted without center alignment. Remark: If center alignment is the ME"s default alignment as declared in table A.2/11, no alignment change will take place] |
| 12 | $ME \to USS$ | Send SMS-PP (SEND SHORT MESSAGE) Message 4.1 | |
| 13 | $USS \to ME$ | SMS RP-ACK | |
| 14 | $ME \to UICC$ | TERMINAL RESPONSE: SEND SHORT MESSAGE 4.2.1 | [Command performed successfully] |

PROACTIVE COMMAND: SEND SHORT MESSAGE 4.2.1

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 1"

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD Instruct the SC to accept an SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-RP TP-Reply-Path is not set in this SMS-SUBMIT TP-UDHI TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "00"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "01"

TP-PID Short message type 0

TP-DCS

Message coding SMS default alphabet

Message class 0 TP-UDL 1

TP-UD " "
Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Center Alignment, Normal Font, Bold Off, Italic Off, Underline Off, Strikethrough

Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 2C | 81 | 03 | 01 | 13 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| _ | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 31 | 8B | 09 | 01 | 00 | 02 | 91 | 10 |
| | 40 | F0 | 01 | 20 | D0 | 04 | 00 | 10 | 01 | B4 | | |

PROACTIVE COMMAND: SEND SHORT MESSAGE 4.2.2

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE

Command qualifier: packing not required

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 2"

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD Instruct the SC to accept an SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-RP TP-Reply-Path is not set in this SMS-SUBMIT TP-UDHI The TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "00"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "01"

TP-PID Short message type 0

TP-DCS

Message coding SMS default alphabet

Message class 0
TP-UDL 1
TP-UD " "

Coding:

| BER-TLV: | D0 | 26 | 81 | 03 | 01 | 13 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 32 | 8B | 09 | 01 | 00 | 02 | 91 | 10 |
| | 40 | F0 | 01 | 20 | | | | | | | | |

TERMINAL RESPONSE: SEND SHORT MESSAGE 4.2.1

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 13 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

27.22.4.10.4.2.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.2.

27.22.4.10.4.3 SEND SHORT MESSAGE (Support of Text Attribute – Right Alignment)

27.22.4.10.4.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.10.4.3.2 Conformance requirement

The ME shall support the Proactive UICC: SEND SHORT MESSAGE facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.10, clause 6.6.9, clause 8.1, clause 8.2, clause 8.6, clause 8.7, clause 8.13, clause 8.31, 8.67 and clause 5.2.

27.22.4.10.4.3.3 Test purpose

To verify that the ME correctly formats and sends a short message to the network (USS) and display the alpha identifier according to the right alignment text attribute configuration as indicated in the SEND SHORT MESSAGE proactive UICC command, and returns a TERMINAL RESPONSE command to the UICC indicating the status of the transmission of the Short Message.

27.22.4.10.4.3.4 Method of test

27.22.4.10.4.3.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table.

27.22.4.10.4.3.4.2 Procedure

Expected Sequence 4.3 (SEND SHORT MESSAGE, alpha identifier with Text attribute – Right Alignment, packing not required, SMS default alphabet, successful)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SHORT | |
| | | MESSAGE 4.3.1 | |
| 2 | , | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND SHORT MESSAGE 4.3.1 | [packing not required, SMS default alphabet] |
| 4 | $ME \rightarrow USER$ | Display "Text Attribute 1" | [Message shall be formatted with right alignment] |
| 5 | $ME \rightarrow USS$ | Send SMS-PP (SEND SHORT MESSAGE) Message 4.1 | |
| 6 | $USS \to ME$ | SMS RP-ACK | |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND SHORT MESSAGE 4.3.1 | [Command performed successfully] |
| 8 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND SHORT MESSAGE 4.3.2 | |
| 9 | $ME \rightarrow UICC$ | FETCH | |
| 10 | $UICC \to ME$ | PROACTIVE COMMAND: SEND SHORT MESSAGE 4.3.2 | [packing not required, SMS default alphabet] |
| 11 | ME → USER | Display "Text Attribute 2" | [Message shall be formatted without right alignment. Remark: If right alignment is the ME"s default alignment as declared in table A.2/11, no alignment change will take place] |
| 12 | $ME \rightarrow USS$ | Send SMS-PP (SEND SHORT MESSAGE) Message 4.1 | |
| 13 | $USS \to ME$ | SMS RP-ACK | |
| 14 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND SHORT MESSAGE 4.3.1 | [Command performed successfully] |

PROACTIVE COMMAND: SEND SHORT MESSAGE 4.3.1

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 1"

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD Instruct the SC to accept an SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-RP TP-Reply-Path is not set in this SMS-SUBMIT TP-UDHI TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "00"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "01"

TP-PID Short message type 0

TP-DCS

Message coding SMS default alphabet

Message class 0 TP-UDL 1 TP-UD " "
Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Right Alignment, Normal Font, Bold Off, Italic Off, Underline Off, Strikethrough

Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 2C | 81 | 03 | 01 | 13 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| _ | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 31 | 8B | 09 | 01 | 00 | 02 | 91 | 10 |
| | 40 | F0 | 01 | 20 | D0 | 04 | 00 | 10 | 02 | B4 | | |

PROACTIVE COMMAND: SEND SHORT MESSAGE 4.3.2

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE

Command qualifier: packing not required

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 2"

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD Instruct the SC to accept an SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-RP TP-Reply-Path is not set in this SMS-SUBMIT TP-UDHI TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "00"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "01"

TP-PID Short message type 0

TP-DCS

Message coding SMS default alphabet

Message class 0
TP-UDL 1
TP-UD " "

Coding:

| BER-TLV: | D0 | 26 | 81 | 03 | 01 | 13 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 32 | 8B | 09 | 01 | 00 | 02 | 91 | 10 |
| | 40 | F0 | 01 | 20 | | | | | | | | |

TERMINAL RESPONSE: SEND SHORT MESSAGE 4.3.1

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 13 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | | | | | | | | | | | | |

27.22.4.10.4.3.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.3.

27.22.4.10.4.4 SEND SHORT MESSAGE (Support of Text Attribute – Large Font Size)

27.22.4.10.4.4.1 Definition and applicability

See clause 3.2.2.

27.22.4.10.4.4.2 Conformance requirement

The ME shall support the Proactive UICC: SEND SHORT MESSAGE facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.10, clause 6.6.9, clause 8.1, clause 8.2, clause 8.6, clause 8.7, clause 8.13, clause 8.31, 8.67 and clause 5.2.

27.22.4.10.4.4.3 Test purpose

To verify that the ME correctly formats and sends a short message to the network (USS) and display the alpha identifier according to the large font size text attribute configuration as indicated in the SEND SHORT MESSAGE proactive UICC command, and returns a TERMINAL RESPONSE command to the UICC indicating the status of the transmission of the Short Message.

27.22.4.10.4.4.4 Method of test

27.22.4.10.4.4.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table.

27.22.4.10.4.4.4.2 Procedure

Expected Sequence 4.4 (SEND SHORT MESSAGE, alpha identifier with Text attribute – Large Font Size, packing not required, SMS default alphabet, successful)

| Step | Direction | MESSAGE / Action | Comments |
|----------|---|--|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SHORT | |
| 2 | ME LUCC | MESSAGE 4.4.1 | |
| 2 3 | $ME \rightarrow UICC$ $UICC \rightarrow ME$ | FETCH PROACTIVE COMMAND: SEND | [packing not required, SMS default alphabet] |
| 3 | | SHORT MESSAGE 4.4.1 | [packing not required, Sivio default alphabet] |
| 4 | $ME \rightarrow USER$ | Display "Text Attribute 1" | [Message shall be formatted with large font |
| 5 | ME → USS | Send SMS-PP (SEND SHORT | size] |
| 3 | IVIE → USS | MESSAGE) Message 4.1 | |
| 6 | $USS \to ME$ | SMS RP-ACK | |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| | | SHORT MESSAGE 4.4.1 | |
| 8 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SHORT MESSAGE 4.4.2 | |
| 9 | ME → UICC | FETCH | |
| 10 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | [packing not required, SMS default alphabet] |
| | | SHORT MESSAGE 4.4.2 | |
| 11 | $ME \rightarrow USER$ | Display "Text Attribute 2" | [Message shall be formatted with normal font |
| 12 | ME → USS | Send SMS-PP (SEND SHORT | size] |
| '- | WE 7 000 | MESSAGE) Message 4.1 | |
| 13 | $USS \to ME$ | SMS RP-ACK | |
| 14 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| 15 | LUCC ME | SHORT MESSAGE 4.4.1 PROACTIVE COMMAND | |
| 15 | $UICC \to ME$ | PENDING: SEND SHORT | |
| | | MESSAGE 4.4.1 | |
| 16 | $ME \rightarrow UICC$ | FETCH | |
| 17 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | [packing not required, SMS default alphabet] |
| 18 | ME LICED | SHORT MESSAGE 4.4.1 Display "Text Attribute 1" | [Message shall be formatted with large font |
| 10 | $ME \rightarrow USER$ | Display Text Attribute 1 | size |
| 19 | $ME \rightarrow USS$ | Send SMS-PP (SEND SHORT | 5.25] |
| | | MESSAGE) Message 4.1 | |
| 20 | USS → ME | SMS RP-ACK | |
| 21 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND SHORT MESSAGE 4.4.1 | [Command performed successfully] |
| 22 | UICC → ME | PROACTIVE COMMAND | |
| | Oldo / WIE | PENDING: SEND SHORT | |
| | | MESSAGE 4.4.3 | |
| 23 | ME → UICC | FETCH | |
| 24 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | [packing not required, SMS default alphabet] |
| 25 | $ME \rightarrow USER$ | SHORT MESSAGE 4.4.3 Display "Text Attribute 3" | Message shall be formatted with normal font |
| | IVIL / OOLK | | size] |
| 26 | $ME \to USS$ | Send SMS-PP (SEND SHORT | _ |
| 07 | | MESSAGE) Message 4.1 | |
| 27 28 | USS → ME | SMS RP-ACK TERMINAL RESPONSE: SEND | [Command performed successfully] |
| 20 | $ME \to UICC$ | SHORT MESSAGE 4.4.1 | |

PROACTIVE COMMAND: SEND SHORT MESSAGE 4.4.1

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE

Command qualifier: packing not required

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 1"

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD Instruct the SC to accept an SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-RP TP-Reply-Path is not set in this SMS-SUBMIT TP-UDHI The TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "00"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "01"

TP-PID Short message type 0

TP-DCS

Message coding SMS default alphabet

Message class 0 TP-UDL 1

TP-UD " "
Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Large Font, Bold Off, Italic Off, Underline Off, Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 2C | 81 | 03 | 01 | 13 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 31 | 8B | 09 | 01 | 00 | 02 | 91 | 10 |
| | 40 | F0 | 01 | 20 | D0 | 04 | 00 | 10 | 04 | B4 | | |

PROACTIVE COMMAND: SEND SHORT MESSAGE 4.4.2

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 2"

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD Instruct the SC to accept an SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-RP TP-Reply-Path is not set in this SMS-SUBMIT TP-UDHI The TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "00"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "01"

TP-PID Short message type 0

TP-DCS

Message coding SMS default alphabet

Message class 0 TP-UDL 1

TP-UD "

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off, Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 2C | 81 | 03 | 01 | 13 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 32 | 8B | 09 | 01 | 00 | 02 | 91 | 10 |
| | 40 | F0 | 01 | 20 | D0 | 04 | 00 | 10 | 00 | B4 | | |

PROACTIVE COMMAND: SEND SHORT MESSAGE 4.4.3

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 3"

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD Instruct the SC to accept an SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-RP TP-Reply-Path is not set in this SMS-SUBMIT TP-UDHI The TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "00"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "01"

TP-PID Short message type 0

TP-DCS

Message coding SMS default alphabet

Message class 0
TP-UDL 1
TP-UD " "

Coding:

| BER-TLV: | D0 | 26 | 81 | 03 | 01 | 13 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 33 | 8B | 09 | 01 | 00 | 02 | 91 | 10 |
| | 40 | F0 | 01 | 20 | | | | | | | | |

TERMINAL RESPONSE: SEND SHORT MESSAGE 4.4.1

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

27.22.4.10.4.4.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.4.

27.22.4.10.4.5 SEND SHORT MESSAGE (Support of Text Attribute – Small Font Size)

27.22.4.10.4.5.1 Definition and applicability

See clause 3.2.2.

27.22.4.10.4.5.2 Conformance requirement

The ME shall support the Proactive UICC: SEND SHORT MESSAGE facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.10, clause 6.6.9, clause 8.1, clause 8.2, clause 8.6, clause 8.7, clause 8.13, clause 8.31, 8.67 and clause 5.2.

27.22.4.10.4.5.3 Test purpose

To verify that the ME correctly formats and sends a short message to the network (USS) and display the alpha identifier according to the small font size text attribute configuration as indicated in the SEND SHORT MESSAGE proactive UICC command, and returns a TERMINAL RESPONSE command to the UICC indicating the status of the transmission of the Short Message.

27.22.4.10.4.5.4 Method of test

27.22.4.10.4.5.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table.

27.22.4.10.4.5.4.2 Procedure

Expected Sequence 4.5 (SEND SHORT MESSAGE, alpha identifier with Text attribute – Small Font Size, packing not required, SMS default alphabet, successful)

| Step | Direction | MESSAGE / Action | Comments |
|------|---|--|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SHORT | |
| 2 | ME LUCC | MESSAGE 4.5.1 | |
| 2 3 | $ME \rightarrow UICC$ $UICC \rightarrow ME$ | FETCH PROACTIVE COMMAND: SEND | [packing not required, SMS default alphabet] |
| 3 | | SHORT MESSAGE 4.5.1 | [packing not required, Sivio default alphabet] |
| 4 | $ME \rightarrow USER$ | Display "Text Attribute 1" | [Message shall be formatted with small font |
| _ | | 0 1040 PD (OFND OLIOPT | size] |
| 5 | $ME \rightarrow USS$ | Send SMS-PP (SEND SHORT MESSAGE) Message 4.1 | |
| 6 | $USS \to ME$ | ISMS RP-ACK | |
| 7 | ME → UICC | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| | , 0.00 | SHORT MESSAGE 4.5.1 | [[]] |
| 8 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SHORT | |
| 9 | ME → UICC | MESSAGE 4.5.2 FETCH | |
| 10 | $VICC \rightarrow ME$ | PROACTIVE COMMAND: SEND | [packing not required, SMS default alphabet] |
| 10 | OIOO - IVIL | SHORT MESSAGE 4.5.2 | [pasking not required, Sive detactit diphabet] |
| 11 | $ME \rightarrow USER$ | Display "Text Attribute 2" | [Message shall be formatted with normal font |
| 40 | NATE LIGO | Card CMC DD (CEND CLIODT | size] |
| 12 | $ME \rightarrow USS$ | Send SMS-PP (SEND SHORT MESSAGE) Message 4.1 | |
| 13 | $USS \to ME$ | SMS RP-ACK | |
| 14 | ME → UICC | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| | | SHORT MESSAGE 4.5.1 | |
| 15 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SHORT MESSAGE 4.5.1 | |
| 16 | ME → UICC | FETCH | |
| 17 | UICC → ME | PROACTIVE COMMAND: SEND | [packing not required, SMS default alphabet] |
| | | SHORT MESSAGE 4.5.1 | |
| 18 | $ME \rightarrow USER$ | Display "Text Attribute 1" | [Message shall be formatted with small font |
| 10 | ME LICC | Cond CMC DD (CEND CHODE | size] |
| 19 | $ME \rightarrow USS$ | Send SMS-PP (SEND SHORT MESSAGE) Message 4.1 | |
| 20 | $USS \to ME$ | SMS RP-ACK | |
| 21 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| | | SHORT MESSAGE 4.5.1 | |
| 22 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SHORT MESSAGE 4.5.3 | |
| 23 | ME → UICC | FETCH | |
| 24 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | [packing not required, SMS default alphabet] |
| | | SHORT MESSAGE 4.5.3 | <u></u> |
| 25 | $ME \rightarrow USER$ | Display "Text Attribute 3" | [Message shall be formatted with normal font |
| 26 | $ME \to USS$ | Send SMS-PP (SEND SHORT | size] |
| | IVIL → USS | MESSAGE) Message 4.1 | |
| 27 | $USS \to ME$ | SMS RP-ACK | |
| 28 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| | | SHORT MESSAGE 4.5.1 | |

PROACTIVE COMMAND: SEND SHORT MESSAGE 4.5.1

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE

Command qualifier: packing not required

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 1"

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD Instruct the SC to accept an SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-RP TP-Reply-Path is not set in this SMS-SUBMIT TP-UDHI The TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "00"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "01"

TP-PID Short message type 0

TP-DCS

Message coding SMS default alphabet

Message class 0 TP-UDL 1

TP-UD " "
Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Small Font, Bold Off, Italic Off, Underline Off, Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 2C | 81 | 03 | 01 | 13 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 31 | 8B | 09 | 01 | 00 | 02 | 91 | 10 |
| | 40 | F0 | 01 | 20 | D0 | 04 | 00 | 10 | 08 | B4 | | |

PROACTIVE COMMAND: SEND SHORT MESSAGE 4.5.2

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 2"

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD Instruct the SC to accept an SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-RP TP-Reply-Path is not set in this SMS-SUBMIT TP-UDHI The TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "00"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "01"

TP-PID Short message type 0

TP-DCS

Message coding SMS default alphabet

Message class 0 TP-UDL 1

TP-UD " "
Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off, Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 2C | 81 | 03 | 01 | 13 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 32 | 8B | 09 | 01 | 00 | 02 | 91 | 10 |
| | 40 | F0 | 01 | 20 | D0 | 04 | 00 | 10 | 00 | B4 | | |

PROACTIVE COMMAND: SEND SHORT MESSAGE 4.5.3

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 3"

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD Instruct the SC to accept an SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-RP TP-Reply-Path is not set in this SMS-SUBMIT TP-UDHI TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "00"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "01"

TP-PID Short message type 0

TP-DCS

Message coding SMS default alphabet

Message class 0
TP-UDL 1
TP-UD " "

Coding:

| BER-TLV: | D0 | 26 | 81 | 03 | 01 | 13 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 33 | 8B | 09 | 01 | 00 | 02 | 91 | 10 |
| | 40 | F0 | 01 | 20 | | | | | | | | |

TERMINAL RESPONSE: SEND SHORT MESSAGE 4.5.1

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

27.22.4.10.4.5.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.5.

27.22.4.10.4.6 SEND SHORT MESSAGE (Support of Text Attribute – Bold On)

27.22.4.10.4.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.10.4.6.2 Conformance requirement

The ME shall support the Proactive UICC: SEND SHORT MESSAGE facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.10, clause 6.6.9, clause 8.1, clause 8.2, clause 8.6, clause 8.7, clause 8.13, clause 8.31, 8.67 and clause 5.2.

27.22.4.10.4.6.3 Test purpose

To verify that the ME correctly formats and sends a short message to the network (USS) and display the alpha identifier according to the bold text attribute configuration as indicated in the SEND SHORT MESSAGE proactive UICC command, and returns a TERMINAL RESPONSE command to the UICC indicating the status of the transmission of the Short Message.

27.22.4.10.4.6.4 Method of test

27.22.4.10.4.6.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table.

27.22.4.10.4.6.4.2 Procedure

Expected Sequence 4.6 (SEND SHORT MESSAGE, alpha identifier with Text attribute – Bold On, packing not required, SMS default alphabet, successful)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SHORT | |
| | | MESSAGE 4.6.1 | |
| 2 | ME → UICC | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | [packing not required, SMS default alphabet] |
| 4 | ME → USER | SHORT MESSAGE 4.6.1 Display "Text Attribute 1" | [Message shall be formatted with bold on] |
| 5 | ME → USS | Send SMS-PP (SEND SHORT | [Message shall be formatted with bold on] |
| 3 | IVIE → USS | MESSAGE) Message 4.1 | |
| 6 | $USS \to ME$ | SMS RP-ACK | |
| 7 | ME → UICC | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| | | SHORT MESSAGE 4.6.1 | , |
| 8 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SHORT | |
| | | MESSAGE 4.6.2 | |
| 9 | ME → UICC | FETCH | [|
| 10 | $UICC \to ME$ | PROACTIVE COMMAND: SEND SHORT MESSAGE 4.6.2 | [packing not required, SMS default alphabet] |
| 11 | ME → USER | Display "Text Attribute 2" | [Message shall be formatted with bold off] |
| 12 | ME → USS | Send SMS-PP (SEND SHORT | [weedage shall be formation with bold on] |
| | WIE 7 000 | MESSAGE) Message 4.1 | |
| 13 | $USS \to ME$ | SMS RP-ACK | |
| 14 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| | | SHORT MESSAGE 4.6.1 | |
| 15 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SHORT | |
| 16 | ME → UICC | MESSAGE 4.6.1 FETCH | |
| 17 | $UICC \to DICC$ | PROACTIVE COMMAND: SEND | [packing not required, SMS default alphabet] |
| '' | | SHORT MESSAGE 4.6.1 | [packing not required, Sivio default alphabet] |
| 18 | ME → USER | Display "Text Attribute 1" | [Message shall be formatted with bold on] |
| 19 | $ME \rightarrow USS$ | Send SMS-PP (SEND SHORT | |
| | | MESSAGE) Message 4.1 | |
| 20 | $USS \to ME$ | SMS RP-ACK | |
| 21 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| 00 | | SHORT MESSAGE 4.6.1 | |
| 22 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SHORT MESSAGE 4.6.3 | |
| 23 | ME → UICC | FETCH | |
| 24 | UICC → ME | PROACTIVE COMMAND: SEND | [packing not required, SMS default alphabet] |
| | 3.00 / IIIL | SHORT MESSAGE 4.6.3 | g g as as as as as as as as as as as as as |
| 25 | $ME \rightarrow USER$ | Display "Text Attribute 3" | [Message shall be formatted with bold off] |
| 26 | $ME \to USS$ | Send SMS-PP (SEND SHORT | |
| | | MESSAGE) Message 4.1 | |
| 27 | $USS \to ME$ | SMS RP-ACK | |
| 28 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| | | SHORT MESSAGE 4.6.1 | |

PROACTIVE COMMAND: SEND SHORT MESSAGE 4.6.1

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE Command qualifier: packing not required

Device identities

Source device: UICC

Destination device: Network

Alpha identifier: "Text Attribute 1"

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD Instruct the SC to accept an SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-RP TP-Reply-Path is not set in this SMS-SUBMIT TP-UDHI The TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "00"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "01"

TP-PID Short message type 0

TP-DCS

Message coding SMS default alphabet

Message class 0
TP-UDL 1
TP-UD " "

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold On, Italic Off, Underline Off, Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 2C | 81 | 03 | 01 | 13 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 31 | 8B | 09 | 01 | 00 | 02 | 91 | 10 |
| | 40 | F0 | 01 | 20 | D0 | 04 | 00 | 10 | 10 | B4 | | |

PROACTIVE COMMAND: SEND SHORT MESSAGE 4.6.2

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 2"

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD Instruct the SC to accept an SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-RP TP-Reply-Path is not set in this SMS-SUBMIT TP-UDHI TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "00"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "01"

TP-PID Short message type 0

TP-DCS

Message coding SMS default alphabet

Message class 0 TP-UDL 1 TP-UD ""

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off, Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 2C | 81 | 03 | 01 | 13 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 32 | 8B | 09 | 01 | 00 | 02 | 91 | 10 |
| | 40 | F0 | 01 | 20 | D0 | 04 | 00 | 10 | 00 | B4 | | |

PROACTIVE COMMAND: SEND SHORT MESSAGE 4.6.3

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 3"

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD Instruct the SC to accept an SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-RP TP-Reply-Path is not set in this SMS-SUBMIT TP-UDHI TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "00"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "01"

TP-PID Short message type 0

TP-DCS

Message coding SMS default alphabet

Message class 0 TP-UDL 1 TP-UD " "

Coding:

| BER-TLV: | D0 | 26 | 81 | 03 | 01 | 13 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 33 | 8B | 09 | 01 | 00 | 02 | 91 | 10 |
| | 40 | F0 | 01 | 20 | | | | | | | | |

TERMINAL RESPONSE: SEND SHORT MESSAGE 4.6.1

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 13 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|-----------|----|----|-----|----|----|----|----|----|-----|----|----|----|
| DEIX IEV. | 0. | 00 | 0 1 | 10 | 00 | 02 | 02 | 02 | 0 1 | 00 | 0. | 00 |

27.22.4.10.4.6.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.6.

27.22.4.10.4.7 SEND SHORT MESSAGE (Support of Text Attribute – Italic On)

27.22.4.10.4.7.1 Definition and applicability

See clause 3.2.2.

27.22.4.10.4.7.2 Conformance requirement

The ME shall support the Proactive UICC: SEND SHORT MESSAGE facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.10, clause 6.6.9, clause 8.1, clause 8.2, clause 8.6, clause 8.7, clause 8.13, clause 8.31, 8.67 and clause 5.2.

27.22.4.10.4.7.3 Test purpose

To verify that the ME correctly formats and sends a short message to the network (USS) and display the alpha identifier according to the italic text attribute configuration as indicated in the SEND SHORT MESSAGE proactive UICC command, and returns a TERMINAL RESPONSE command to the UICC indicating the status of the transmission of the Short Message.

27.22.4.10.4.7.4 Method of test

27.22.4.10.4.7.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table.

27.22.4.10.4.7.4.2 Procedure

Expected Sequence 4.7 (SEND SHORT MESSAGE, alpha identifier with Text attribute – Italic On, packing not required, SMS default alphabet, successful)

| Step | Direction | MESSAGE / Action | Comments |
|------|---|--|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SHORT | |
| | | MESSAGE 4.7.1 | |
| 2 | ME → UICC | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | [packing not required, SMS default alphabet] |
| 4 | ME → USER | SHORT MESSAGE 4.7.1 Display "Text Attribute 1" | [Message shall be formatted with italic on] |
| 5 | ME → USS | Send SMS-PP (SEND SHORT | [Message shall be formatted with italic on] |
| 3 | IVIE → USS | MESSAGE) Message 4.1 | |
| 6 | $USS \to ME$ | SMS RP-ACK | |
| 7 | ME → UICC | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| | | SHORT MESSAGE 4.7.1 | , |
| 8 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SHORT | |
| | | MESSAGE 4.7.2 | |
| 9 | ME → UICC | FETCH | [|
| 10 | $UICC \to ME$ | PROACTIVE COMMAND: SEND SHORT MESSAGE 4.7.2 | [packing not required, SMS default alphabet] |
| 11 | ME → USER | Display "Text Attribute 2" | [Message shall be formatted with italic off] |
| 12 | ME → USS | Send SMS-PP (SEND SHORT | [weedage shall be formation with traile on] |
| | WE 7 000 | MESSAGE) Message 4.1 | |
| 13 | $USS \to ME$ | SMS RP-ACK | |
| 14 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| | | SHORT MESSAGE 4.7.1 | |
| 15 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SHORT | |
| 16 | ME → UICC | MESSAGE 4.7.1 FETCH | |
| 17 | $ ME \rightarrow 0 CC $ $ UICC \rightarrow ME $ | PROACTIVE COMMAND: SEND | [packing not required, SMS default alphabet] |
| '' | OICC → IVIL | SHORT MESSAGE 4.7.1 | [packing not required, Sivio default alphabet] |
| 18 | ME → USER | Display "Text Attribute 1" | [Message shall be formatted with italic on] |
| 19 | $ME \rightarrow USS$ | Send SMS-PP (SEND SHORT | |
| | | MESSAGE) Message 4.1 | |
| 20 | $USS \to ME$ | SMS RP-ACK | |
| 21 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| 00 | | SHORT MESSAGE 4.7.1 | |
| 22 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND SHORT | |
| | | MESSAGE 4.7.3 | |
| 23 | ME → UICC | FETCH | |
| 24 | UICC → ME | PROACTIVE COMMAND: SEND | [packing not required, SMS default alphabet] |
| | | SHORT MESSAGE 4.7.3 | |
| 25 | $ME \rightarrow USER$ | Display "Text Attribute 3" | [Message shall be formatted with italic off] |
| 26 | $ME \rightarrow USS$ | Send SMS-PP (SEND SHORT | |
| | | MESSAGE) Message 4.1 | |
| 27 | USS → ME | SMS RP-ACK | |
| 28 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| | | SHORT MESSAGE 4.7.1 | |

PROACTIVE COMMAND: SEND SHORT MESSAGE 4.7.1

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE Command qualifier: packing not required

Device identities

Source device: UICC

Destination device: Network

Alpha identifier: "Text Attribute 1"

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD Instruct the SC to accept an SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-RP TP-Reply-Path is not set in this SMS-SUBMIT TP-UDHI The TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "00"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "01"

TP-PID Short message type 0

TP-DCS

Message coding SMS default alphabet

Message class 0
TP-UDL 1
TP-UD " "

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic On, Underline Off, Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 2C | 81 | 03 | 01 | 13 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 31 | 8B | 09 | 01 | 00 | 02 | 91 | 10 |
| | 40 | F0 | 01 | 20 | D0 | 04 | 00 | 10 | 20 | B4 | | |

PROACTIVE COMMAND: SEND SHORT MESSAGE 4.7.2

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 2"

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD Instruct the SC to accept an SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-RP TP-Reply-Path is not set in this SMS-SUBMIT TP-UDHI The TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "00"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "01"

TP-PID Short message type 0

TP-DCS

Message coding SMS default alphabet

Message class 0 TP-UDL 1 TP-UD ""

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off, Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 2C | 81 | 03 | 01 | 13 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 32 | 8B | 09 | 01 | 00 | 02 | 91 | 10 |
| | 40 | F0 | 01 | 20 | D0 | 04 | 00 | 10 | 00 | B4 | | |

PROACTIVE COMMAND: SEND SHORT MESSAGE 4.7.3

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 3"

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD Instruct the SC to accept an SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-RP TP-Reply-Path is not set in this SMS-SUBMIT TP-UDHI TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "00"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "01"

TP-PID Short message type 0

TP-DCS

Message coding SMS default alphabet

Message class 0
TP-UDL 1
TP-UD " "

Coding:

| BER-TLV: | D0 | 26 | 81 | 03 | 01 | 13 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 33 | 8B | 09 | 01 | 00 | 02 | 91 | 10 |
| | 40 | F0 | 01 | 20 | | | | | | | | |

TERMINAL RESPONSE: SEND SHORT MESSAGE 4.7.1

Logically:

Command details

Command number:

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| DED TILL | 0.4 | 00 | - 4 | 4.0 | | 0.2 | 00 | 0.0 | - 4 | 00 | - 4 | |
|----------|-----|----|-----|-----|----|-----|----|-----|-----|----|-----|----|
| BER-TLV: | 81 | 03 | 01 | 13 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |

27.22.4.10.4.7.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.7.

27.22.4.10.4.8 SEND SHORT MESSAGE (Support of Text Attribute – Underline On)

27.22.4.10.4.8.1 Definition and applicability

See clause 3.2.2.

27.22.4.10.4.8.2 Conformance requirement

The ME shall support the Proactive UICC: SEND SHORT MESSAGE facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.10, clause 6.6.9, clause 8.1, clause 8.2, clause 8.6, clause 8.7, clause 8.13, clause 8.31, 8.67 and clause 5.2.

27.22.4.10.4.8.3 Test purpose

To verify that the ME correctly formats and sends a short message to the network (USS) and display the alpha identifier according to the underline text attribute configuration as indicated in the SEND SHORT MESSAGE proactive UICC command, and returns a TERMINAL RESPONSE command to the UICC indicating the status of the transmission of the Short Message.

27.22.4.10.4.8.4 Method of test

27.22.4.10.4.8.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table.

27.22.4.10.4.8.4.2 Procedure

Expected Sequence 4.8 (SEND SHORT MESSAGE, alpha identifier with Text attribute – Underline On, packing not required, SMS default alphabet, successful)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND SHORT | |
| | | MESSAGE 4.8.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND SHORT MESSAGE 4.8.1 | [packing not required, SMS default alphabet] |
| 4 | $ME \rightarrow USER$ | Display "Text Attribute 1" | [Message shall be formatted with underline on] |
| 5 | $ME \rightarrow USS$ | Send SMS-PP (SEND SHORT MESSAGE) Message 4.1 | |
| 6 | $USS \to ME$ | SMS RP-ACK | |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND SHORT MESSAGE 4.8.1 | [Command performed successfully] |
| 8 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND SHORT MESSAGE 4.8.2 | |
| 9 | $ME \rightarrow UICC$ | FETCH | |
| 10 | $UICC \to ME$ | PROACTIVE COMMAND: SEND SHORT MESSAGE 4.8.2 | [packing not required, SMS default alphabet] |
| 11 | $ME \rightarrow USER$ | Display "Text Attribute 2" | [Message shall be formatted with underline off] |
| 12 | $ME \to USS$ | Send SMS-PP (SEND SHORT MESSAGE) Message 4.1 | |
| 13 | $USS \to ME$ | SMS RP-ACK | |
| 14 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND SHORT MESSAGE 4.8.1 | [Command performed successfully] |
| 15 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND SHORT MESSAGE 4.8.1 | |
| 16 | $ME \rightarrow UICC$ | FETCH | |
| 17 | $UICC \to ME$ | PROACTIVE COMMAND: SEND SHORT MESSAGE 4.8.1 | [packing not required, SMS default alphabet] |
| 18 | $ME \rightarrow USER$ | Display "Text Attribute 1" | [Message shall be formatted with underline on] |
| 19 | $ME \rightarrow USS$ | Send SMS-PP (SEND SHORT MESSAGE) Message 4.1 | |
| 20 | $USS \to ME$ | SMS RP-ACK | |
| 21 | ME → UICC | TERMINAL RESPONSE: SEND SHORT MESSAGE 4.8.1 | [Command performed successfully] |
| 22 | UICC → ME | PROACTIVE COMMAND PENDING: SEND SHORT MESSAGE 4.8.3 | |
| 23 | $ME \rightarrow UICC$ | FETCH | |
| 24 | $UICC \to ME$ | PROACTIVE COMMAND: SEND SHORT MESSAGE 4.8.3 | [packing not required, SMS default alphabet] |
| 25 | $ME \rightarrow USER$ | Display "Text Attribute 3" | [Message shall be formatted with underline off] |
| 26 | $ME \rightarrow USS$ | Send SMS-PP (SEND SHORT MESSAGE) Message 4.1 | |
| 27 | $USS \to ME$ | SMS RP-ACK | |
| 28 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND SHORT MESSAGE 4.8.1 | [Command performed successfully] |

PROACTIVE COMMAND: SEND SHORT MESSAGE 4.8.1

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE

Command qualifier: packing not required

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 1"

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD Instruct the SC to accept an SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-RP TP-Reply-Path is not set in this SMS-SUBMIT TP-UDHI The TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "00"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "01"

TP-PID Short message type 0

TP-DCS

Message coding SMS default alphabet

Message class 0
TP-UDL 1
TP-UD " "

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline On, Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 2C | 81 | 03 | 01 | 13 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 31 | 8B | 09 | 01 | 00 | 02 | 91 | 10 |
| | 40 | F0 | 01 | 20 | D0 | 04 | 00 | 10 | 40 | B4 | | |

PROACTIVE COMMAND: SEND SHORT MESSAGE 4.8.2

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 2"

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD Instruct the SC to accept an SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-RP TP-Reply-Path is not set in this SMS-SUBMIT TP-UDHI The TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "00"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "01"

TP-PID Short message type 0

TP-DCS

Message coding SMS default alphabet

Message class 0
TP-UDL 1
TP-UD " "

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off, Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 2C | 81 | 03 | 01 | 13 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 32 | 8B | 09 | 01 | 00 | 02 | 91 | 10 |
| | 40 | F0 | 01 | 20 | D0 | 04 | 00 | 10 | 00 | B4 | | |

PROACTIVE COMMAND: SEND SHORT MESSAGE 4.8.3

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 3"

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD Instruct the SC to accept an SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-RP TP-Reply-Path is not set in this SMS-SUBMIT TP-UDHI The TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "00"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "01"

TP-PID Short message type 0

TP-DCS

Message coding SMS default alphabet

Message class 0
TP-UDL 1
TP-UD " "

Coding:

| BER-TLV: | D0 | 26 | 81 | 03 | 01 | 13 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 33 | 8B | 09 | 01 | 00 | 02 | 91 | 10 |
| | 40 | F0 | 01 | 20 | | | | | | | | |

TERMINAL RESPONSE: SEND SHORT MESSAGE 4.8.1

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

27.22.4.10.4.8.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.8.

27.22.4.10.4.9 SEND SHORT MESSAGE (Support of Text Attribute – Strikethrough On)

27.22.4.10.4.9.1 Definition and applicability

See clause 3.2.2.

27.22.4.10.4.9.2 Conformance requirement

The ME shall support the Proactive UICC: SEND SHORT MESSAGE facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.10, clause 6.6.9, clause 8.1, clause 8.2, clause 8.6, clause 8.7, clause 8.13, clause 8.31, 8.67 and clause 5.2.

27.22.4.10.4.9.3 Test purpose

To verify that the ME correctly formats and sends a short message to the network (USS) and display the alpha identifier according to the strikethrough text attribute configuration as indicated in the SEND SHORT MESSAGE proactive UICC command, and returns a TERMINAL RESPONSE command to the UICC indicating the status of the transmission of the Short Message.

27.22.4.10.4.9.4 Method of test

27.22.4.10.4.9.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table.

27.22.4.10.4.9.4.2 Procedure

Expected Sequence 4.9 (SEND SHORT MESSAGE, alpha identifier with Text attribute – Strikethrough On, packing not required, SMS default alphabet, successful)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SHORT MESSAGE 4.9.1 | |
| 2 | ME → UICC | FETCH | |
| 3 | UICC → ME | PROACTIVE COMMAND: SEND | [packing not required, SMS default alphabet] |
| | 0.00 / | SHORT MESSAGE 4.9.1 | [[pasiming not required, eme delatin alphaeet] |
| 4 | $ME \rightarrow USER$ | Display "Text Attribute 1" | [Message shall be formatted with |
| _ | | 0 1010 55 (0515 011057 | strikethrough on] |
| 5 | $ME \rightarrow USS$ | Send SMS-PP (SEND SHORT MESSAGE) Message 4.1 | |
| 6 | $USS \to ME$ | SMS RP-ACK | |
| 7 | ME → UICC | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| | | SHORT MESSAGE 4.9.1 | , |
| 8 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SHORT | |
| 9 | ME → UICC | MESSAGE 4.9.2 FETCH | |
| 10 | UICC → ME | PROACTIVE COMMAND: SEND | [packing not required, SMS default alphabet] |
| | Oldo / IVIE | SHORT MESSAGE 4.9.2 | [[pasiming not required, eme delatin alphaeet] |
| 11 | $ME \rightarrow USER$ | Display "Text Attribute 2" | [Message shall be formatted with |
| 40 | | O LONG DD (OFNID OLIODT | strikethrough off] |
| 12 | $ME \rightarrow USS$ | Send SMS-PP (SEND SHORT MESSAGE) Message 4.1 | |
| 13 | $USS \to ME$ | ISMS RP-ACK | |
| 14 | ME → UICC | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| | | SHORT MESSAGE 4.9.1 | |
| 15 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SHORT MESSAGE 4.9.1 | |
| 16 | ME → UICC | FETCH | |
| 17 | UICC → ME | PROACTIVE COMMAND: SEND | [packing not required, SMS default alphabet] |
| | | SHORT MESSAGE 4.9.1 | |
| 18 | $ME \rightarrow USER$ | Display "Text Attribute 1" | [Message shall be formatted with |
| 19 | ME LICC | Send SMS-PP (SEND SHORT | strikethrough on] |
| 19 | $ME \rightarrow USS$ | MESSAGE) Message 4.1 | |
| 20 | $USS \to ME$ | SMS RP-ACK | |
| 21 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| | | SHORT MESSAGE 4.9.1 | |
| 22 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND SHORT | |
| | | MESSAGE 4.9.3 | |
| 23 | $ME \rightarrow UICC$ | FETCH | |
| 24 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | [packing not required, SMS default alphabet] |
| | | SHORT MESSAGE 4.9.3 | |
| 25 | $ME \rightarrow USER$ | Display "Text Attribute 3" | [Message shall be formatted with strikethrough off] |
| 26 | $ME \to USS$ | Send SMS-PP (SEND SHORT | Suikeuilougii olij |
| | IVIL -> 000 | MESSAGE) Message 4.1 | |
| 27 | $USS \to ME$ | SMS RP-ACK | |
| 28 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| | | SHORT MESSAGE 4.9.1 | |

PROACTIVE COMMAND: SEND SHORT MESSAGE 4.9.1

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE

Command qualifier: packing not required

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 1"

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD Instruct the SC to accept an SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-RP TP-Reply-Path is not set in this SMS-SUBMIT TP-UDHI The TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "00"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "01"

TP-PID Short message type 0

TP-DCS

Message coding SMS default alphabet

Message class 0
TP-UDL 1
TP-UD " "

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off, Strikethrough On

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 2C | 81 | 03 | 01 | 13 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 31 | 8B | 09 | 01 | 00 | 02 | 91 | 10 |
| | 40 | F0 | 01 | 20 | D0 | 04 | 00 | 10 | 80 | B4 | | |

PROACTIVE COMMAND: SEND SHORT MESSAGE 4.9.2

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 2"

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD Instruct the SC to accept an SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-RP TP-Reply-Path is not set in this SMS-SUBMIT TP-UDHI The TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "00"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "01"

TP-PID Short message type 0

TP-DCS

Message coding SMS default alphabet

Message class 0
TP-UDL 1
TP-UD " "

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off, Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 2C | 81 | 03 | 01 | 13 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 32 | 8B | 09 | 01 | 00 | 02 | 91 | 10 |
| | 40 | F0 | 01 | 20 | D0 | 04 | 00 | 10 | 00 | B4 | | |

PROACTIVE COMMAND: SEND SHORT MESSAGE 4.9.3

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 3"

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD Instruct the SC to accept an SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-RP TP-Reply-Path is not set in this SMS-SUBMIT TP-UDHI The TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "00"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "01"

TP-PID Short message type 0

TP-DCS

Message coding SMS default alphabet

Message class 0
TP-UDL 1
TP-UD " "

Coding:

| BER-TLV: | D0 | 26 | 81 | 03 | 01 | 13 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 33 | 8B | 09 | 01 | 00 | 02 | 91 | 10 |
| | 40 | F0 | 01 | 20 | | | | | | | | |

TERMINAL RESPONSE: SEND SHORT MESSAGE 4.9.1

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: 81 | 03 01 | 13 00 | 82 02 | 82 | 81 | 83 | 01 | 00 |
|-------------|-------|-------|-------|----|----|----|----|----|
|-------------|-------|-------|-------|----|----|----|----|----|

27.22.4.10.4.9.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.9.

27.22.4.10.4.10 SEND SHORT MESSAGE (Support of Text Attribute – Foreground and Background Colour)

27.22.4.10.4.10.1 Definition and applicability

See clause 3.2.2.

27.22.4.10.4.10.2 Conformance requirement

The ME shall support the Proactive UICC: SEND SHORT MESSAGE facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.10, clause 6.6.9, clause 8.1, clause 8.2, clause 8.6, clause 8.7, clause 8.13, clause 8.31, 8.67 and clause 5.2.

27.22.4.10.4.10.3 Test purpose

To verify that the ME correctly formats and sends a short message to the network (USS) and display the alpha identifier according to the foreground and background colour text attribute configuration as indicated in the SEND SHORT MESSAGE proactive UICC command, and returns a TERMINAL RESPONSE command to the UICC indicating the status of the transmission of the Short Message.

27.22.4.10.4.10.4 Method of test

27.22.4.10.4.10.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table.

27.22.4.10.4.10.4.2 Procedure

Expected Sequence 4.10 (SEND SHORT MESSAGE, alpha identifier with Text attribute – Foreground and Background Colour, packing not required, SMS default alphabet, successful)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SHORT MESSAGE 4.10.1 | |
| | ME 11100 | | |
| 2 | 1112 / 0100 | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND SHORT MESSAGE 4.10.1 | [packing not required, SMS default alphabet] |
| 4 | ME → USER | Display "Text Attribute 1" | [Message shall be formatted with foreground and background colour according to text attribute configuration] |
| 5 | $ME \rightarrow USS$ | Send SMS-PP (SEND SHORT MESSAGE) Message 4.1 | |
| 6 | $USS \to ME$ | SMS RP-ACK | |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| | | SHORT MESSAGE 4.10.1 | |
| 8 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SHORT | |
| | | MESSAGE 4.10.2 | |
| 9 | $ME \rightarrow UICC$ | FETCH | |
| 10 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | [packing not required, SMS default alphabet] |
| | | SHORT MESSAGE 4.10.2 | |
| 11 | $ME \rightarrow USER$ | Display "Text Attribute 2" | [Message shall be formatted with ME"s |
| | | | default foreground and background colour] |
| 12 | $ME \rightarrow USS$ | Send SMS-PP (SEND SHORT | |
| | | MESSAGE) Message 4.1 | |
| 13 | $USS \to ME$ | SMS RP-ACK | |
| 14 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| | | SHORT MESSAGE 4.10.1 | |

PROACTIVE COMMAND: SEND SHORT MESSAGE 4.10.1

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 1"

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD Instruct the SC to accept an SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-RP
TP-Reply-Path is not set in this SMS-SUBMIT
TP-UDHI
The TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "00"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "01"

TP-PID Short message type 0

TP-DCS

Message coding SMS default alphabet

Message class 0
TP-UDL 1
TP-UD " "

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off, Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 2C | 81 | 03 | 01 | 13 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 31 | 8B | 09 | 01 | 00 | 02 | 91 | 10 |
| | 40 | F0 | 01 | 20 | D0 | 04 | 00 | 10 | 00 | B4 | | |

PROACTIVE COMMAND: SEND SHORT MESSAGE 4.10.2

Logically:

Command details

Command number:

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 2"

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD Instruct the SC to accept an SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-RP TP-Reply-Path is not set in this SMS-SUBMIT TP-UDHI TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "00"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "01"

TP-PID Short message type 0

TP-DCS

Message coding SMS default alphabet

Message class 0 TP-UDL 1

TP-UD "'

Coding:

| BER-TLV: | D0 | 26 | 81 | 03 | 01 | 13 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 32 | 8B | 09 | 01 | 00 | 02 | 91 | 10 |
| | 40 | F0 | 01 | 20 | | | | | | | | |

TERMINAL RESPONSE: SEND SHORT MESSAGE 4.10.1

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: ME Destination device: UICC Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 13 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----------|----|----|-----|----|----|----|----|-----|----|----|----|
| | . | | | . • | | | ~- | | • . | | | |

27.22.4.10.4.10.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.10.

27.22.4.10.5 SEND SHORT MESSAGE (UCS2 display in Chinese)

27.22.4.10.5.1 Definition and applicability

See clause 3.2.2.

27.22.4.10.5.2 Conformance requirement

The ME shall support the Proactive UICC: SEND SHORT MESSAGE facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.10, clause 6.6.9, clause 8.1, clause 8.2, clause 8.6, clause 8.7, clause 8.13, clause 8.31 and clause 5.2.

Additionally, the ME shall support the UCS2 facility for the coding of the Chinese characters, as defined in the following technical specifications: ISO/IEC 10646 [17].

27.22.4.10.5.3 Test purpose

To verify that the ME correctly formats and sends a short message to the network (USS) as indicated in the SEND SHORT MESSAGE proactive UICC command, and returns a TERMINAL RESPONSE command to the UICC indicating the status of the transmission of the Short Message.

27.22.4.10.5.4 Method of test

27.22.4.10.5.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table. Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

27.22.4.10.5.4.2 Procedure

Expected Sequence 5.1 (SEND SHORT MESSAGE, packing not required, UCS2 (16-bit data in Chinese))

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SHORT | |
| 2 | ME LUCC | MESSAGE 5.1.1 | |
| 2 3 | ME → UICC | FETCH PROACTIVE COMMAND: SEND | [packing not required, 16-bit data] |
| 3 | $UICC \to ME$ | SHORT MESSAGE 5.1.1 | [packing not required, 16-bit data] |
| 4 | ME → USER | Display "中一" | [Alpha Identifier] |
| | | | "Middle 1" in Chinese, 0x80 coding of UCS2 format |
| 5 | $ME \rightarrow USS$ | Send SMS-PP (SEND SHORT MESSAGE) Message 5.1 | |
| 6 | $USS \to ME$ | SMS RP-ACK | |
| 7 | ME → UICC | TERMINAL RESPONSE: SEND SHORT MESSAGE 5.1.1 | [Command performed successfully] |
| 8 | $UICC \to ME$ | PROACTIVE UICC SESSION ENDED | |
| 9 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND SHORT MESSAGE 5.1.2 | |
| 10 | $ME \rightarrow UICC$ | FETCH | |
| 11 | $UICC \to ME$ | PROACTIVE COMMAND SEND SHORT MESSAGE 5.1.2 | |
| 12 | ME → USER | Display "中一" | [Alpha Identifier] "Middle 1" in Chinese, 0x81 coding of UCS2 format |
| 13 | $ME \rightarrow USS$ | Send SMS-PP (SEND SHORT MESSAGE) Message 5.1 | |
| 14 | $USS \to ME$ | SMS RP-ACK | |
| 15 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND SHORT MESSAGE 5.1.1 | [Command performed successfully] |
| 16 | $UICC \to ME$ | PROACTIVE UICC SESSION ENDED | |
| 17 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND SHORT MESSAGE 5.1.3 | |
| 18 | $ME \rightarrow UICC$ | FETCH | |
| 19 | $UICC \to ME$ | PROACTIVE COMMAND: SEND SHORT MESSAGE 5.1.3 | [UCS2 alphabet] |
| 20 | $ME \rightarrow USER$ | Display "中一" | [Alpha Identifier] "Middle 1" in Chinese, 0x82 coding of UCS2 format |
| 21 | $ME \rightarrow USS$ | Send SMS-PP (SEND SHORT MESSAGE) Message 5.1 | |
| 22 | $USS \to ME$ | SMS RP-ACK | |
| 23 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| 24 | $UICC \to ME$ | SHORT MESSAGE 5.1.1 PROACTIVE UICC SESSION ENDED | |

PROACTIVE COMMAND: SEND SHORT MESSAGE: 5.1.1

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "中一"

Address

TON: International number

NPI: "ISDN / telephone numbering plan"

Dialling number string "112233445566778"

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD Instruct the SC to accept an SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-RP TP-Reply-Path is not set in this SMS-SUBMIT TP-UDHI The TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "00"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "012345678"

TP-PID Short message type 0

TP-DCS

Message coding 16-bit data Message class class 0 TP-UDL 24 TP-UD "中一"

Coding:

| BER-TLV: | D0 | 2D | 81 | 03 | 01 | 13 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 05 | 80 | 4E | 2D | 4E | 00 | 86 | 09 | 91 | 11 | 22 | 33 |
| | 44 | 55 | 66 | 77 | F8 | 8B | 10 | 01 | 00 | 09 | 91 | 10 |
| | 32 | 54 | 76 | F8 | 40 | 08 | 04 | 4E | 2D | 4E | 00 | |

SMS-PP (SEND SHORT MESSAGE) Message 5.1

Logically:

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD Instruct the SC to accept an SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-RP TP-Reply-Path is not set in this SMS-SUBMIT TP-UDHI The TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "01"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "012345678"

TP-PID Short message type 0

TP-DCS

Message coding UCS2 (16-bit data)

Message class 0
TP-UDL 24
TP-UD "中一"

| BER-TLV: | 01 | 01 | 09 | 91 | 10 | 32 | 54 | 76 | F8 | 40 | 08 | 04 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 4E | 2D | 4E | 00 | | | | | | | | |

PROACTIVE COMMAND: SEND SHORT MESSAGE: 5.1.2

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: "中一"

Address

TON: International number

NPI: "ISDN / telephone numbering plan"

Dialling number string "112233445566778"

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD Instruct the SC to accept an SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-RP TP-Reply-Path is not set in this SMS-SUBMIT TP-UDHI The TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "00"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "012345678"

TP-PID Short message type 0

TP-DCS

Message coding 16-bit data
Message class class 0
TP-UDL 24
TP-UD "中一"

Coding:

| BER-TLV: | D0 | 2D | 81 | 03 | 01 | 13 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 05 | 81 | 02 | 9C | AD | 80 | 86 | 09 | 91 | 11 | 22 | 33 |
| | 44 | 55 | 66 | 77 | F8 | 8B | 10 | 01 | 00 | 09 | 91 | 10 |
| | 32 | 54 | 76 | F8 | 40 | 08 | 04 | 4E | 2D | 4E | 00 | |

PROACTIVE COMMAND: SEND SHORT MESSAGE: 5.1.3

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: "中一"

Address

TON: International number

NPI: "ISDN / telephone numbering plan"

Dialling number string "112233445566778"

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD Instruct the SC to accept an SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-RP TP-Reply-Path is not set in this SMS-SUBMIT TP-UDHI The TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "00"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "012345678"

TP-PID Short message type 0

TP-DCS

Message coding 16-bit data
Message class class 0
TP-UDL 24
TP-UD "中一"

Coding:

| BER-TLV: | D0 | 2E | 81 | 03 | 01 | 13 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 06 | 82 | 02 | 4E | 00 | AD | 80 | 86 | 09 | 91 | 11 | 22 |
| | 33 | 44 | 55 | 66 | 77 | F8 | 8B | 10 | 01 | 00 | 09 | 91 |
| | 10 | 32 | 54 | 76 | F8 | 40 | 08 | 04 | 4E | 2D | 4E | 00 |

TERMINAL RESPONSE: SEND SHORT MESSAGE 5.1.1

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 13 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

27.22.4.10.5.5 Test requirement

The ME shall operate in the manner defined in expected sequence 2.1.

27.22.4.10.6 SEND SHORT MESSAGE (UCS2 display in Katakana)

27.22.4.10.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.10.6.2 Conformance requirement

The ME shall support the Proactive UICC: SEND SHORT MESSAGE facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.10, clause 6.6.9, clause 8.1, clause 8.2, clause 8.6, clause 8.7, clause 8.13, clause 8.31 and clause 5.2.

Additionally, the ME shall support the UCS2 facility for the coding of the Katakana characters, as defined in the following technical specifications: ISO/IEC 10646 [17].

27.22.4.10.6.3 Test purpose

To verify that the ME correctly formats and sends a short message to the network (USS) as indicated in the SEND SHORT MESSAGE proactive UICC command, and returns a TERMINAL RESPONSE command to the UICC indicating the status of the transmission of the Short Message.

27.22.4.10.6.4 Method of test

27.22.4.10.6.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table. Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

27.22.4.10.6.4.2 Procedure

Expected Sequence 6.1 (SEND SHORT MESSAGE, packing not required, UCS2 (16-bit data, in Katakana))

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|-------------------------------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SHORT | |
| | | MESSAGE 6.1.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND SHORT MESSAGE 6.1.1 | [packing not required, 16-bit data] |
| 4 | $ME \rightarrow USER$ | Display "80ル0" | [Characters in katakana] |
| 5 | $ME \rightarrow USS$ | Send SMS-PP (SEND SHORT MESSAGE) Message 6.1 | |
| 6 | $USS \to ME$ | SMS RP-ACK | |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND SHORT MESSAGE 6.1.1 | [Command performed successfully] |
| 8 | $UICC \to ME$ | PROACTIVE UICC SESSION ENDED | |
| 9 | UICC → ME | PROACTIVE COMMAND PENDING: SEND SHORT MESSAGE 6.1.2 | |
| 10 | $ME \rightarrow UICC$ | FETCH | |
| 11 | $UICC \to ME$ | PROACTIVE COMMAND: SEND SHORT MESSAGE 6.1.2 | [packing not required, 16-bit data] |
| 12 | $ME \rightarrow USER$ | Display "81./レ1" | [Characters in katakana] |
| 13 | $ME \rightarrow USS$ | Send SMS-PP (SEND SHORT MESSAGE) Message 6.2 | |
| 14 | $USS \to ME$ | SMS RP-ACK | |
| 15 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND SHORT MESSAGE 6.1.1 | [Command performed successfully] |
| 16 | $UICC \to ME$ | PROACTIVE UICC SESSION ENDED | |
| 17 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND SHORT MESSAGE 6.1.3 | |
| 18 | $ME \rightarrow UICC$ | FETCH | |
| 19 | $UICC \to ME$ | PROACTIVE COMMAND: SEND SHORT MESSAGE 6.1.3 | [packing not required, 16-bit data] |
| 20 | $ME \rightarrow USER$ | Display "82ル2" | [Characters in katakana] |
| 21 | $ME \rightarrow USS$ | Send SMS-PP (SEND SHORT MESSAGE) Message 6.3 | |
| 22 | $USS \to ME$ | SMS RP-ACK | |
| 23 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND SHORT MESSAGE 6.1.1 | [Command performed successfully] |
| 24 | $UICC \to ME$ | PROACTIVE UICC SESSION ENDED | |

PROACTIVE COMMAND: SEND SHORT MESSAGE: 6.1.1

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: "80 $/\nu$ 0"

Address

TON: International number

NPI: "ISDN / telephone numbering plan"

Dialling number string "112233445566778"

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD Instruct the SC to accept a SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-RP TP-Reply-Path is not set in this SMS-SUBMIT TP-UDHI TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "00"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "012345678"

TP-PID Short message type 0

TP-DCS

Message coding 16-bit data Message class class 0 TP-UDL 10 TP-UD "80/ ν 1"

Coding:

| BER-TLV: | D0 | 35 | 81 | 03 | 01 | 13 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 09 | 80 | 00 | 38 | 00 | 30 | 30 | EB | 00 | 30 | 86 | 09 |
| | 91 | 11 | 22 | 33 | 44 | 55 | 66 | 77 | F8 | 8B | 14 | 01 |
| | 00 | 09 | 91 | 10 | 32 | 54 | 76 | F8 | 40 | 08 | 08 | 00 |
| | 38 | 00 | 30 | 30 | EB | 00 | 31 | | | | | |

SMS-PP (SEND SHORT MESSAGE) Message 6.1

Logically:

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD Instruct the SC to accept an SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-RP TP-Reply-Path is not set in this SMS-SUBMIT TP-UDHI TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "01"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "012345678"

TP-PID Short message type 0

TP-DCS

Message coding UCS2 (16-bit data)

Message class 0 TP-UDL 10 TP-UD "80/\(\nu\)1"

Coding:

| Coding | 01 | 01 | 09 | 91 | 10 | 32 | 54 | 76 | F8 | 40 | 08 | 80 |
|--------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | 38 | 00 | 30 | 30 | EB | 00 | 31 | | | | |

TERMINAL RESPONSE: SEND SHORT MESSAGE 6.1.1

Logically:

Command details

Command number: 1

SEND SHORT MESSAGE Command type: Command qualifier:

packing not required

Device identities

ME Source device: Destination device: **UICC**

Result

General Result: Command performed successfully

Coding:

PROACTIVE COMMAND: SEND SHORT MESSAGE: 6.1.2

Logically:

Command details

Command number: 1

SEND SHORT MESSAGE Command type: Command qualifier: packing not required

Device identities

Source device: **UICC** Destination device: Network Alpha identifier: "81ル1"

Address

TON: International number

NPI: "ISDN / telephone numbering plan"

Dialling number string "112233445566778"

SMS TPDU

SMS-SUBMIT TP-MTI

TP-RD Instruct the SC to accept a SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-RP TP-Reply-Path is not set in this SMS-SUBMIT TP-UDHI The TP-UD field contains only the short message

TP-SRR A status report is not requested

"00" TP-MR

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

"012345678" Address value

TP-PID Short message type 0

TP-DCS

Message coding 16-bit data class 0 Message class TP-UDL 10 TP-UD "80ル2"

Coding:

| BER-TLV: | D0 | 33 | 81 | 03 | 01 | 13 | 00 | 82 | 02 | 81 | 83 | 85 | |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|--|
| | 07 | 81 | 04 | 61 | 38 | 31 | EB | 31 | 86 | 09 | 91 | 11 | |
| | 22 | 33 | 44 | 55 | 66 | 77 | F8 | 8B | 14 | 01 | 00 | 09 | |
| | 91 | 10 | 32 | 54 | 76 | F8 | 40 | 08 | 08 | 00 | 38 | 00 | |
| | 30 | 30 | EB | 00 | 32 | | | | | | | | |

SMS-PP (SEND SHORT MESSAGE) Message 6.2

Logically:

SMS TPDU

TP-MTI **SMS-SUBMIT** TP-RD Instruct the SC to accept an SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-RP TP-Reply-Path is not set in this SMS-SUBMIT TP-UDHI TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "01"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "012345678"

TP-PID Short message type 0

TP-DCS

Message coding UCS2 (16-bit data)

Coding:

| Coding | 01 | 01 | 09 | 91 | 10 | 32 | 54 | 76 | F8 | 40 | 80 | 80 |
|--------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | 38 | 00 | 30 | 30 | EB | 00 | 32 | | | | |

PROACTIVE COMMAND: SEND SHORT MESSAGE: 6.1.3

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE

Command qualifier: packing not required

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: "82/\(\nu\)2"

Address

TON: International number

NPI: "ISDN / telephone numbering plan"

Dialling number string "112233445566778"

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD Instruct the SC to accept a SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-RP TP-Reply-Path is not set in this SMS-SUBMIT TP-UDHI TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "00"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "012345678"

TP-PID Short message type 0

TP-DCS

Message coding16-bit dataMessage classclass 0TP-UDL10TP-UD"80 / ▶3"

| BER-TLV: | D0 | 34 | 81 | 03 | 01 | 13 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 08 | 82 | 04 | 30 | A0 | 38 | 32 | CB | 32 | 86 | 09 | 91 |
| | 11 | 22 | 33 | 44 | 55 | 66 | 77 | F8 | 8B | 14 | 01 | 00 |
| | 09 | 91 | 10 | 32 | 54 | 76 | F8 | 40 | 08 | 08 | 00 | 38 |
| | 00 | 30 | 30 | EB | 00 | 33 | | | | | | |

SMS-PP (SEND SHORT MESSAGE) Message 6.3

Logically:

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD Instruct the SC to accept an SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-RP TP-Reply-Path is not set in this SMS-SUBMIT TP-UDHI TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "01"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "012345678"

TP-PID Short message type 0

TP-DCS

Message coding UCS2 (16-bit data)

Message class 0
TP-UDL 10
TP-UD "80/\(\bar{\mathcal{B}}\)3"

Coding:

| Coding | 01 | 01 | 09 | 91 | 10 | 32 | 54 | 76 | F8 | 40 | 80 | 08 |
|--------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | 38 | 00 | 30 | 30 | EB | 00 | 33 | | | | |

27.22.4.10.6.5 Test requirement

The ME shall operate in the manner defined in expected sequence 6.1.

27.22.4.10.7 SEND SHORT MESSAGE (IMS)

27.22.4.10.7.1 Definition and applicability

See clause 3.2.2.

That the UE correctly implemented the role of an SMS-over-IP sender is tested in clause 18.1 of TS 34.229-1 [36].

27.22.4.10.7.2 Conformance requirement

The ME shall support the Proactive UICC: SEND SHORT MESSAGE facility for SMS over IP according to:

- TS 31.111 [15] clause 6.1, clause 6.4.10, clause 6.6.9, clause 8.1, clause 8.2, clause 8.6, clause 8.7, clause 8.13, clause 8.31 and clause 5.2.
- TS 31.103 [35].
- TS 34.229-1 [36], Annexes C.2, C.17 and C.18.
- TS 24.341 [37], clause 5.3.1.

27.22.4.10.7.3 Test purpose

- 1) To verify that the ME correctly formats and sends a short message via IMS to the E-USS/USS as indicated in the SEND SHORT MESSAGE proactive UICC command, and returns a TERMINAL RESPONSE command to the UICC indicating the status of the transmission of the Short Message.
- 2) To verify that the ME uses the default service address as indicated in EF SMSP if no service center address is available in the Send Short Message command.
- 3) To verify that a device of Class ND does not reject the Send Short Message command if the proactive Send Short Message command contains an alpha identifier.

27.22.4.10.7.4 Method of test

27.22.4.10.7.4.1 Initial conditions

The ME is connected to the USIM Simulator. The elementary files are coded as defined for the E-UTRAN/EPC ISIM-UICC in clause 27.22.2C.

For sequence 7.1 the ME is additionally connected to the E-USS.

For sequence 7.2 the ME is additionally connected to the USS.

27.22.4.10.7.4.2 Procedure

Expected Sequence 7.1 (SEND SHORT MESSAGE, SMS-over-IP, E-UTRAN)

Perform the "IMS related procedure 1" and continue with "Generic Test Procedure 1 (SEND SHORT MESSAGE)" as defined in this clause as "Expected Sequence 7.1" with the following parameters:

- Used Network Simulator (NWS): E-USS
- SMS-over-IP is used to send and receive short messages
- ME supports eFDD or eTDD and SMS-over-IP

Expected Sequence 7.2 (SEND SHORT MESSAGE, SMS-over-IP, UTRAN)

Perform the "IMS related procedure 1" and continue with "Generic Test Procedure 1 (SEND SHORT MESSAGE)" as defined in this clause as "Expected Sequence 7.2" with the following parameters:

- Used Network Simulator (NWS): USS (UMTS System Simulator only)
- SMS-over-IP is used to send and receive short messages
- ME supports UTRAN and SMS-over-IP

IMS related procedure 1:

| Step | Direction | MESSAGE / Action | Comments |
|------|---------------|--|--|
| 1 | $USER \to ME$ | The ME is switched on | ME will perform Profle Download, USIM and |
| | | | ISIM initialisation |
| 2 | ME → NWS | discoveres P-CSCF and registers | For E-UTRAN: The EPS bearer context activation according to the procedures defined in TS 34.229-1 [36], Annex C.2 and C.18 is performed |
| | | | For UTRAN: For SMS-over-IP a PDP context activation according to the procedures defined in TS 34.229-1 [36], Annex C.2 and C.17 is performed. |
| 3 | | CONTINUE WITH STEP 4 Generic Test Procedure 1 (SEND SHORT MESSAGE) | |

Generic Test Procedure 1 (SEND SHORT MESSAGE)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--|--|
| 4 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SHORT | |
| | | MESSAGE 7.1.1 | |
| 5 | $ME \rightarrow UICC$ | FETCH | |
| 6 | $UICC \to ME$ | PROACTIVE COMMAND: SEND SHORT MESSAGE 7.1.1 | [packing not required, SMS default alphabet] |
| 7 | $ME \rightarrow NWS$ | Send RP-DATA containing SMS-PP (SEND SHORT MESSAGE) | See Note 1. |
| | | Message 7.1 | In case of SMS-over-IP the RP- |
| | | , and the second | Destination Address (SM Service |
| | | | Center Address within the RP- |
| | | | DATA) is taken from the ISIM (EF |
| | | | SMSP) |
| 8 | $NWS \rightarrow ME$ | RP-ACK | See Note 2. |
| 9 | ME → UICC | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| | IVIL → OICC | SHORT MESSAGE 7.1.1 | [Command performed successfully] |
| 10 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SHORT | |
| | | MESSAGE 7.1. 2 | |
| 11 | $ME \rightarrow UICC$ | FETCH | |
| 12 | $UICC \to ME$ | PROACTIVE COMMAND: SEND SHORT MESSAGE 7.1.2 | [packing required, 8 bit data] |
| 13 | $ME \rightarrow USER$ | Display "The address data object | [Alpha Identifier not to be displayed |
| | | holds the RP_Destination_Address | by Terminals of Class_ND] |
| 4.4 | 145 1840 | " | 0 N |
| 14 | $ME \rightarrow NWS$ | Send RP-DATA containing SMS-PP(SEND SHORT MESSAGE) | See Note 1. |
| | | Message 7.2 | |
| 15 | $NWS \rightarrow ME$ | RP-ACK | See Note 2. |
| 16 | ME → UICC | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| | 7 0100 | SHORT MESSAGE 7.1.2 | [|
| 17 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SHORT | |
| 4.0 | | MESSAGE 7.1.3 | |
| 18 | ME → UICC | FETCH | |
| 19 | $UICC \to ME$ | PROACTIVE COMMAND: SEND SHORT MESSAGE 7.1.3 | [packing not required, SMS default alphabet] |
| 20 | ME → USER | Display "The address data object | [Alpha Identifier not to be displayed |
| 20 | IVIL -> USLIK | holds the RP Destination Address " | by Terminals of Class_ND] |
| 21 | $ME \rightarrow NWS$ | Send RP-DATA containing SMS- | See Note 1. |
| | | PP (SEND SHORT MESSAGE) | |
| | | Message 7.3 | |
| 22 | $NWS \rightarrow ME$ | RP-ACK | See Note 2. |
| 23 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND SHORT MESSAGE 7.1.3 | [Command performed successfully] |
| 24 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SHORT | |
| 05 | NAT LUGG | MESSAGE 7.1.4 | |
| 25 | ME → UICC | PROACTIVE COMMAND: SEND | [packing not required, 8-bit data] |
| 26 | UICC → ME | SHORT MESSAGE 7.1.4 | |
| 27 | ME NIMC | No information to user | [Alpha identifier length '00'] |
| 28 | ME → NWS | Send RP-DATA containing SMS- PP (SEND SHORT MESSAGE) | See Note 1. |
| 20 | NIMO NAT | Message 7.4 | Soo Note 2 |
| 29 | NWS → ME | RP-ACK | See Note 2. |
| 30 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND SHORT MESSAGE 7.1.4 | [Command performed successfully] |
| 31 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | J.CC / IVIL | PENDING: SEND SHORT | |
| | | MESSAGE 7.1.5 | |
| 32 | $ME \rightarrow UICC$ | FETCH | |
| | | | |

| 33 | $UICC \to ME$ | PROACTIVE COMMAND: SEND SHORT MESSAGE 7.1.5 | [packing not required, 8-bit data] |
|----|-----------------------|--|------------------------------------|
| 34 | $ME \rightarrow USER$ | May give information to user concerning what is happening | [No Alpha Identifier] |
| 35 | $ME \rightarrow NWS$ | Send RP-DATA containing SMS- PP (SEND SHORT MESSAGE) Message 7.5 | See Note 1. |
| 36 | $NWS \to ME$ | RP-ACK | See Note 2. |
| 37 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND SHORT MESSAGE 7.1.5 | [Command performed successfully] |
| 38 | $USER \to ME$ | The ME is switched off | |

Note 1:

In case of IMS the RP-DATA is contained in the SIP MESSAGE which is built according to TS 24.341 [37], clause 5.3.1.2 including PSI of the SMSC from EF PSISMSC.

Note 2:

In case of IMS the RP-ACK message is contained in the message body of the SIP MESSAGE.

PROACTIVE COMMAND: SEND SHORT MESSAGE 7.1.1

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: UICC
Destination device: Network

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD Instruct the SC to accept an SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-RP TP-Reply-Path is not set in this SMS-SUBMIT TP-UDHI TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "00"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "012345678"

TP-PID Short message type 0

TP-DCS

Message coding SMS default alphabet

Message class 0 TP-UDL 13

TP-UD "Short Message"

Coding:

| BER-TLV: | D0 | 23 | 81 | 03 | 01 | 13 | 00 | 82 | 02 | 81 | 83 | 8B | |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|---|
| | 18 | 01 | 00 | 09 | 91 | 10 | 32 | 54 | 76 | F8 | 40 | F0 | i |
| | 0D | 53 | F4 | 5B | 4E | 07 | 35 | CB | F3 | 79 | F8 | 5C | ı |
| | 06 | | | | | | | | | | | | |

SMS-PP (SEND SHORT MESSAGE) Message 7.1

Logically:

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD Instruct the SC to accept an SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-RP TP-Reply-Path is not set in this SMS-SUBMIT TP-UDHI The TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "01"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "012345678"

TP-PID Short message type 0

TP-DCS

Message coding SMS default alphabet

Message class 0 TP-UDL 13

TP-UD "Short Message"

Coding:

| Coding | 01 | 01 | 09 | 91 | 10 | 32 | 54 | 76 | F8 | 40 | F0 | 0D |
|--------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 53 | F4 | 5B | 4E | 07 | 35 | CB | F3 | 79 | F8 | 5C | 06 |

TERMINAL RESPONSE: SEND SHORT MESSAGE 7.1.1/7.1.3/7.1.4, 7.1.5

Logically:

Command details

Command number:

Command type: SEND SHORT MESSAGE

Command qualifier: packing not required

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 13 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 | |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|--|
|----------|----|----|----|----|----|----|----|----|----|----|----|----|--|

PROACTIVE COMMAND: SEND SHORT MESSAGE 7.1.2

Logically:

Command details

Command number:

Command type: SEND SHORT MESSAGE

Command qualifier: packing required

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "The address data object holds the RP_Destination_Address"

Address

TON: International number

NPI: "ISDN / telephone numbering plan"

Dialling number string "112233445566778"

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD Instruct the SC to accept an SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-RP TP-Reply-Path is not set in this SMS-SUBMIT

TP-UDHI The TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "00"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "012345678"

TP-PID Short message type 0

TP-DCS

Message coding 8 bit data Message class class 0 TP-UDL 160

TP-UD "Two types are defined: - A short message to be sent to the network in an

SMS-SUBMIT message, or an SMS-COMMAND message, where the user data can

be passed transp"

Coding:

| DED TIL | - | | | | | | 4.0 | | | | | |
|----------|----|----|----|----|----|----|-----|----|----------------|----|----|----------------|
| BER-TLV: | D0 | 81 | FD | 81 | 03 | 01 | 13 | 01 | 82 | 02 | 81 | 83 |
| | 85 | 38 | 54 | 68 | 65 | 20 | 61 | 64 | 64 | 72 | 65 | 73 |
| | 73 | 20 | 64 | 61 | 74 | 61 | 20 | 6F | 62 | 6A | 65 | 63 |
| | 74 | 20 | 68 | 6F | 6C | 64 | 73 | 20 | 74 | 68 | 65 | 20 |
| | 52 | 50 | 11 | 44 | 65 | 73 | 74 | 69 | 6E | 61 | 74 | 69 |
| | 6F | 6E | 11 | 41 | 64 | 64 | 72 | 65 | 73 | 73 | 86 | 09 |
| | 91 | 11 | 22 | 33 | 44 | 55 | 66 | 77 | F8 | 8B | 81 | AC |
| | 01 | 00 | 09 | 91 | 10 | 32 | 54 | 76 | F8 | 40 | F4 | A0 |
| | 54 | 77 | 6F | 20 | 74 | 79 | 70 | 65 | 73 | 20 | 61 | 72 |
| | 65 | 20 | 64 | 65 | 66 | 69 | 6E | 65 | 64 | 3A | 20 | 2D |
| | 20 | 41 | 20 | 73 | 68 | 6F | 72 | 74 | 20 | 6D | 65 | 73 |
| | 73 | 61 | 67 | 65 | 20 | 74 | 6F | 20 | 62 | 65 | 20 | 73 |
| | 65 | 6E | 74 | 20 | 74 | 6F | 20 | 74 | 68 | 65 | 20 | 6E |
| | 65 | 74 | 77 | 6F | 72 | 6B | 20 | 69 | 6E | 20 | 61 | 6E |
| | 20 | 53 | 4D | 53 | 2D | 53 | 55 | 42 | 4D | 49 | 54 | 20 |
| | 6D | 65 | 73 | 73 | 61 | 67 | 65 | 2C | 20 | 6F | 72 | 20 |
| | 61 | 6E | 20 | 53 | 4D | 53 | 2D | 43 | 4F | 4D | 4D | ⁴ 1 |
| | 4E | 44 | 20 | 6D | 65 | 73 | 73 | 61 | 67 | 65 | 2C | 20 |
| | 77 | 68 | 65 | 72 | 65 | 20 | 74 | 68 | 65 | 20 | 75 | 73 |
| | 65 | 72 | 20 | 64 | 61 | 74 | 61 | 20 | 6 ³ | 61 | 6E | 20 |
| | 62 | 65 | 20 | 70 | 61 | 73 | 73 | 65 | 64 | 20 | 74 | 72 |
| | 61 | 6E | 73 | 70 | | | | | | | | |

SMS-PP (SEND SHORT MESSAGE) Message 7.2

Logically:

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD Instruct the SC to accept an SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-RP TP-Reply-Path is not set in this SMS-SUBMIT TP-UDHI TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "01"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "012345678"

TP-PID Short message type 0

TP-DCS

Message coding SMS default alphabet

Message class 0 TP-UDL 160 TP-UD "Two types are defined: - A short message to be sent to the network in an

SMS-SUBMIT message, or an SMS-COMMAND message, where the user data can

be passed transp"

Coding:

| Coding | | 01 | 01 | 09 | 91 | 10 | 32 | 54 | 76 | F8 | 40 | F0 |
|--------|----|----|----------------|----|----|----|----|----|----|----|----|----|
| | A0 | D4 | FB | 1B | 44 | CF | C3 | CB | 73 | 50 | 58 | 5E |
| | 06 | 91 | CB | E6 | B4 | BB | 4C | D6 | 81 | 5A | A0 | 20 |
| | 68 | 8E | 7E | СВ | E9 | A0 | 76 | 79 | 3E | 0F | 9F | CB |
| | 20 | FA | 1 ^B | 24 | 2E | 83 | E6 | 65 | 37 | 1D | 44 | 7F |
| | 83 | E8 | E8 | 32 | C8 | 5D | A6 | DF | DF | F2 | 35 | 28 |
| | ED | 06 | 85 | DD | A0 | 69 | 73 | DA | 9A | 56 | 85 | CD |
| | 24 | 15 | D4 | 2E | CF | E7 | E1 | 73 | 99 | 05 | 7A | CB |
| | 41 | 61 | 37 | 68 | DA | 9C | B6 | 86 | CF | 66 | 33 | E8 |
| | 24 | 82 | DA | E5 | F9 | 3C | 7C | 2E | В3 | 40 | 77 | 74 |
| | 59 | 5E | 06 | D1 | D1 | 65 | 50 | 7D | 5E | 96 | 83 | C8 |
| | 61 | 7A | 18 | 34 | 0E | BB | 41 | E2 | 32 | 08 | 1E | 9E |
| | CF | СВ | 64 | 10 | 5D | 1E | 76 | CF | E1 | | | |

TERMINAL RESPONSE: SEND SHORT MESSAGE 7.1.2

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE

Command qualifier: packing required

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: 81 03 01 13 01 82 02 82 81 | 83 | 01 | 00 | |
|-------------------------------------|----|----|----|--|
|-------------------------------------|----|----|----|--|

PROACTIVE COMMAND: SEND SHORT MESSAGE 7.1.3

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "The address data object holds the RP Destination Address"

Address

TON: International number

NPI: "ISDN / telephone numbering plan"

Dialling number string "112233445566778"

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD Instruct the SC to accept an SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-RP TP-Reply-Path is not set in this SMS-SUBMIT TP-UDHI TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "00"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "012345678"

TP-PID Short message type 0

TP-DCS

Message coding SMS default alphabet

Message class 0 TP-UDL 160

TP-UD "Two types are defined: - A short message to be sent to the network in an

SMS-SUBMIT message, or an SMS-COMMAND message, where the user data can

be passed transp"

Coding:

| BER-TLV: | D0 | 81 | E9 | 81 | 03 | 01 | 13 | 00 | 82 | 02 | 81 | 83 |
|----------|----|----------------|----|----|----|----|----|----|----|----|----|----|
| | 85 | 38 | 54 | 68 | 65 | 20 | 61 | 64 | 64 | 72 | 65 | 73 |
| | 73 | 20 | 64 | 61 | 74 | 61 | 20 | 6F | 62 | 6A | 65 | 63 |
| | 74 | 20 | 68 | 6F | 6C | 64 | 73 | 20 | 74 | 68 | 65 | 20 |
| | 52 | 50 | 20 | 44 | 65 | 73 | 74 | 69 | 6E | 61 | 74 | 69 |
| | 6F | 6E | 20 | 41 | 64 | 64 | 72 | 65 | 73 | 73 | 86 | 09 |
| | 91 | 11 | 22 | 33 | 44 | 55 | 66 | 77 | F8 | 8B | 81 | 98 |
| | 01 | 00 | 09 | 91 | 10 | 32 | 54 | 76 | F8 | 40 | F0 | A0 |
| | D4 | FB | 1B | 44 | CF | C3 | CB | 73 | 50 | 58 | 5E | 06 |
| | 91 | СВ | E6 | B4 | BB | 4C | D6 | 81 | 5A | A0 | 20 | 68 |
| | 8E | 7E | СВ | E9 | A0 | 76 | 79 | 3E | 0F | 9F | CB | 20 |
| | FA | 1 ^B | 24 | 2E | 83 | E6 | 65 | 37 | 1D | 44 | 7F | 83 |
| | E8 | E8 | 32 | C8 | 5D | A6 | DF | DF | F2 | 35 | 28 | ED |
| | 06 | 85 | DD | A0 | 69 | 73 | DA | 9A | 56 | 85 | CD | 24 |
| | 15 | D4 | 2E | CF | E7 | E1 | 73 | 99 | 05 | 7A | CB | 41 |
| | 61 | 37 | 68 | DA | 9C | B6 | 86 | CF | 66 | 33 | E8 | 24 |
| | 82 | DA | E5 | F9 | 3C | 7C | 2E | В3 | 40 | 77 | 74 | 59 |
| | 5E | 06 | D1 | D1 | 65 | 50 | 7D | 5E | 96 | 83 | C8 | 61 |
| | 7A | 18 | 34 | 0E | BB | 41 | E2 | 32 | 08 | 1E | 9E | CF |
| | СВ | 64 | 10 | 5D | 1E | 76 | CF | E1 | | | | |

SMS-PP (SEND SHORT MESSAGE) Message 7.3

Logically:

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD Instruct the SC to accept an SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-RP TP-Reply-Path is not set in this SMS-SUBMIT TP-UDHI TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "01"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "012345678"

TP-PID Short message type 0

TP-DCS

Message coding SMS default alphabet

Message class 0 TP-UDL 160

TP-UD "Two types are defined: - A short message to be sent to the network in an SMS-

SUBMIT message, or an SMS-COMMAND message, where the user data can be

passed transp"

| Coding | 01 | 01 | 09 | 91 | 10 | 32 | 54 | 76 | F8 | 40 | F0 | A0 |
|--------|----|----------------|----|----|----|----|----|----|----|----|----|----|
| | D4 | FB | 1B | 44 | CF | C3 | CB | 73 | 50 | 58 | 5E | 06 |
| | 91 | CB | E6 | B4 | BB | 4C | D6 | 81 | 5A | A0 | 20 | 68 |
| | 8E | 7E | CB | E9 | A0 | 76 | 79 | 3E | 0F | 9F | CB | 20 |
| | FA | 1 ^B | 24 | 2E | 83 | E6 | 65 | 37 | 1D | 44 | 7F | 83 |
| | E8 | E8 | 32 | C8 | 5D | A6 | DF | DF | F2 | 35 | 28 | ED |
| | 06 | 85 | DD | A0 | 69 | 73 | DA | 9A | 56 | 85 | CD | 24 |
| | 15 | D4 | 2E | CF | E7 | E1 | 73 | 99 | 05 | 7A | CB | 41 |
| | 61 | 37 | 68 | DA | 9C | В6 | 86 | CF | 66 | 33 | E8 | 24 |
| | 82 | DA | E5 | F9 | 3C | 7C | 2E | В3 | 40 | 77 | 74 | 59 |
| | 5E | 06 | D1 | D1 | 65 | 50 | 7D | 5E | 96 | 83 | C8 | 61 |
| | 7A | 18 | 34 | 0E | BB | 41 | E2 | 32 | 08 | 1E | 9E | CF |
| | СВ | 64 | 10 | 5D | 1E | 76 | CF | E1 | | | | |

PROACTIVE COMMAND: SEND SHORT MESSAGE 7.1.4

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: UICC
Destination device: Network

Alpha identifier:

Address

TON: International number

NPI: "ISDN / telephone numbering plan"

Dialling number string "112233445566778"

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD Instruct the SC to accept an SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-RP TP-Reply-Path is not set in this SMS-SUBMIT TP-UDHI The TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "00"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "012345678"

TP-PID Short message type 0

TP-DCS

Message coding 8-bit data Message class class 0 TP-UDL 12

TP-UD "Test Message"

Coding:

| BER-TLV: | D0 | 30 | 81 | 03 | 01 | 13 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | 86 | 09 | 91 | 11 | 22 | 33 | 44 | 55 | 66 | 77 | F8 |
| | 8B | 18 | 01 | 00 | 09 | 91 | 10 | 32 | 54 | 76 | F8 | 40 |
| | F4 | 0C | 54 | 65 | 73 | 74 | 20 | 4D | 65 | 73 | 73 | 61 |
| | 67 | 65 | | | | | | | | | | |

SMS-PP (SEND SHORT MESSAGE) Message 7.4

Logically:

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD Instruct the SC to accept an SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-RP TP-Reply-Path is not set in this SMS-SUBMIT TP-UDHI The TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "01"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "012345678"

TP-PID Short message type 0

TP-DCS

Message coding8-bit dataMessage classclass 0TP-UDL12

TP-UD "Test Message"

Coding:

| Coding | 01 | 01 | 09 | 91 | 10 | 32 | 54 | 76 | F8 | 40 | F4 | 0C |
|--------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 54 | 65 | 73 | 74 | 20 | 4D | 65 | 73 | 73 | 61 | 67 | 65 |

PROACTIVE COMMAND: SEND SHORT MESSAGE 7.1.5

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE

Command qualifier: packing not required

Device identities

Source device: UICC
Destination device: Network

Address

TON: International number

NPI: "ISDN / telephone numbering plan"

Dialling number string "112233445566778"

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD Instruct the SC to accept an SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-RP TP-Reply-Path is not set in this SMS-SUBMIT TP-UDHI TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "00"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "012345678"

TP-PID Short message type 0

TP-DCS

Message coding 8-bit data
Message class class 0
TP-UDL 12

TP-UD "Test Message"

| BER-TLV: | D0 | 2E | 81 | 03 | 01 | 13 | 00 | 82 | 02 | 81 | 83 | 86 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 09 | 91 | 11 | 22 | 33 | 44 | 55 | 66 | 77 | F8 | 8B | 18 |
| | 01 | 00 | 09 | 91 | 10 | 32 | 54 | 76 | F8 | 40 | F4 | 0C |
| | 54 | 65 | 73 | 74 | 20 | 4D | 65 | 73 | 73 | 61 | 67 | 65 |

SMS-PP (SEND SHORT MESSAGE) Message 7.5

Logically:

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD Instruct the SC to accept an SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-RP TP-Reply-Path is not set in this SMS-SUBMIT
TP-UDHI The TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "01"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "012345678"

TP-PID Short message type 0

TP-DCS

Message coding 8-bit data Message class class 0 TP-UDL 12

TP-UD "Test Message"

Coding:

| Coding | 01 | 01 | 09 | 91 | 10 | 32 | 54 | 76 | F8 | 40 | F4 | 0C |
|--------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 54 | 65 | 73 | 74 | 20 | 4D | 65 | 73 | 73 | 61 | 67 | 65 |

27.22.4.10.7.5 Test requirement

The ME supporting eFDD or eTDD shall operate in the manner defined in expected sequence 7.1.

The ME supporting UTRAN shall operate in the manner defined in expected sequence 7.2.

27.22.4.11 SEND SS

27.22.4.11.1 SEND SS (normal)

27.22.4.11.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.11.1.2 Conformance requirement

The ME shall support the Proactive UICC: Send SS facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.11, clause 6.6.10, clause 8.12.1, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.14, clause 8.31 and clause 6.5.

27.22.4.11.1.3 Test purpose

To verify that the ME correctly translates and sends the supplementary service request indicated in the SEND SS proactive UICC command to the USS.

To verify that the ME returns a TERMINAL RESPONSE command to the UICC indicating the status of the transmission of the SS and any contents of the SS result as additional data.

27.22.4.11.1.4 Method of test

27.22.4.11.1.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table. The elementary files are coded as USIM Application Toolkit default. Prior to this test the ME shall have been powered on, performed the PROFILE DOWNLOAD procedure and be in updated idle mode on the USS.

27.22.4.11.1.4.2 Procedure

Expected Sequence 1.1A (SEND SS, call forward unconditional, all bearers, successful)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|-------------------------|--------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SS 1.1.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | |
| | | SS 1.1.1 | |
| 4 | $ME \rightarrow USER$ | Display "Call Forward" | |
| 5 | $ME \to USS$ | REGISTER 1.1A | |
| 6 | $USS \to ME$ | RELEASE COMPLETE (SS | [Successful] |
| | | RETURN RESULT) 1.1A | |
| 7 | $ME \to UICC$ | TERMINAL RESPONSE: SEND | |
| | | SS 1.1.1A | |

Expected Sequence 1.1B (SEND SS, call forward unconditional, all bearers, successful)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|-------------------------|--------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SS 1.1.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | |
| | | SS 1.1.1 | |
| 4 | $ME \rightarrow USER$ | Display "Call Forward" | |
| 5 | $ME \rightarrow USS$ | REGISTER 1.1B | |
| 6 | $USS \to ME$ | RELEASE COMPLETE (SS | [Successful] |
| | | RETURN RESULT) 1.1B | |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | |
| | | SS 1.1.1B | |

PROACTIVE COMMAND: SEND SS 1.1.1

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: "Call Forward"

SS String

TON: International

NPI: "ISDN / telephone numbering plan" SS string: "**21*01234567890123456789*10#"

| BER-TLV: | D0 | 29 | 81 | 03 | 01 | 11 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0C | 43 | 61 | 6C | 6C | 20 | 46 | 6F | 72 | 77 | 61 | 72 |
| | 64 | 89 | 10 | 91 | AA | 12 | 0A | 21 | 43 | 65 | 87 | 09 |
| | 21 | 43 | 65 | 87 | A9 | 01 | FB | | | | | |

REGISTER 1.1A

Logically (only SS argument):

REGISTER SS ARGUMENT

SS-Code:

- Call Forwarding Unconditional

TeleserviceCode

- All Tele Services

ForwardedToNumber

- nature of address ind.: international

numbering plan ind.: ISDN/Telephony (E.164)
 TBCD String: 01234567890123456789

- longFTN-Supported

Coding:

| BER-TLV | 30 | 15 | 04 | 01 | 21 | 83 | 01 | 00 | 84 | 0B | 91 | 10 |
|---------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 32 | 54 | 76 | 98 | 10 | 32 | 54 | 76 | 98 | 89 | 00 | |

REGISTER 1.1B

Logically (only SS argument):

REGISTER SS ARGUMENT

SS-Code:

- Call Forwarding Unconditional

TeleserviceCode

- All Tele Services

Forwarded To Number

- nature of address ind.: international

numbering plan ind.: ISDN/Telephony (E.164)
 TBCD String: 01234567890123456789

Coding:

| BER-TLV | 30 | 13 | 04 | 01 | 21 | 83 | 01 | 00 | 84 | 0B | 91 | 10 |
|---------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 32 | 54 | 76 | 98 | 10 | 32 | 54 | 76 | 98 | | | |

RELEASE COMPLETE (SS RETURN RESULT) 1.1A

Logically (only from operation code):

REGISTER SS RETURN RESULT

Forwarding Info

SS-Code

- Call Forwarding Unconditional

Forward Feature List

Forwarding Feature

TeleserviceCode

- All Tele Services

SS-Status

- state ind.: operative

provision ind.: provisionedregistration ind.: registered

- activation ind.: active

long Forward ed To Number

- nature of address ind.: international

numbering plan ind.: ISDN/Telephony (E.164)TBCD String: 01234567890123456789

Coding:

| Coding | 0A | A0 | 1A | 04 | 01 | 21 | 30 | 15 | 30 | 13 | 83 | 01 |
|--------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | 84 | 01 | 07 | 89 | 0B | 91 | 10 | 32 | 54 | 76 | 98 |
| | 10 | 32 | 54 | 76 | 98 | | | | | | | |

RELEASE COMPLETE (SS RETURN RESULT) 1.1B

Logically (only from operation code):

REGISTER SS RETURN RESULT

ForwardingInfo

SS-Code

- Call Forwarding Unconditional

Forward Feature List

ForwardingFeature

TeleserviceCode

- All Tele Services

SS-Status

- state ind.: operative

- provision ind.: provisioned

- registration ind.: registered

- activation ind .: active

Coding:

| Coding | 0A | A0 | 0D | 04 | 01 | 21 | 30 | 80 | 30 | 06 | 83 | 01 |
|--------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | 84 | 01 | 07 | | | | | | | | |

TERMINAL RESPONSE: SEND SS 1.1.1A

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully Additional information: Operation Code and SS Parameters

Coding:

| BER-TLV: | 81 | 03 | 01 | 11 | 00 | 82 | 02 | 82 | 81 | 03 | 1E |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | 0A | A0 | 1A | 04 | 01 | 21 | 30 | 15 | 30 | 13 |
| | 83 | 01 | 00 | 84 | 01 | 07 | 89 | 0B | 91 | 10 | 32 |
| | 54 | 76 | 98 | 10 | 32 | 54 | 76 | 98 | | | |

TERMINAL RESPONSE: SEND SS 1.1.1B

Logically:

Command details

Command number:

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully Additional information: Operation Code and SS Parameters

Coding:

| BER-TLV: | 81 | 03 | 01 | 11 | 00 | 82 | 02 | 82 | 81 | 03 | 11 |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| - | 00 | 0A | A0 | 0D | 04 | 01 | 21 | 30 | 80 | 30 | 06 |
| | 83 | 01 | 00 | 84 | 01 | 07 | | | | | |

Expected Sequence 1.2 (SEND SS, call forward unconditional, all bearers, Return Error)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--|----------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND SS 1.1.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND SS 1.1.1 | |
| 4 | $ME \rightarrow USER$ | Display "Call Forward" | |
| 5 | $ME \to USS$ | REGISTER 1.1A | |
| | | Or | |
| | | REGISTER 1.1B | |
| 6 | $USS \to ME$ | RELEASE COMPLETE (SS RETURN ERROR) 1.1 | [Return Error] |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND SS 1.2.1 | |

RELEASE COMPLETE (SS RETURN ERROR) 1.1

Logically (only from error code):

Error Code: Facility not supported

Coding:

| Coding | 02 | 01 | 15 |
|--------|----|----|----|
|--------|----|----|----|

TERMINAL RESPONSE: SEND SS 1.2.1

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: SS Return Error Additional information: Error Code

| BER-TLV: | 81 | 03 | 01 | 11 | 00 | 82 | 02 | 82 | 81 | 03 | 02 |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| _ | 34 | 15 | | | | | | | | | |

Expected Sequence 1.3 (SEND SS, call forward unconditional, all bearers, Reject)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--|----------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND SS 1.1.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND SS 1.1.1 | |
| 4 | $ME \rightarrow USER$ | Display "Call Forward" | |
| 5 | $ME \rightarrow USS$ | REGISTER 1.1A | |
| | | Or | |
| | | REGISTER 1.1B | |
| 6 | $USS \to ME$ | RELEASE COMPLETE (SS REJECT) 1.1. | [Reject] |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND SS 1.3.1 | |

RELEASE COMPLETE (SS REJECT) 1.1

Logically (only from problem code):

Problem Code:

- General problem
- Unrecognized component

Coding:

| Coding | 80 | 01 | 00 |
|--------|----|----|----|
|--------|----|----|----|

TERMINAL RESPONSE: SEND SS 1.3.1

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: ME Destination device: UICC

Result

General Result: SS Return Error

Additional information: No specific cause can be given

Coding:

| BER-TLV: | 81 | 03 | 01 | 11 | 00 | 82 | 02 | 82 | 81 | 03 | 02 |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| | 34 | 00 | | | | | | | | | |

Expected Sequence 1.4A (SEND SS, call forward unconditional, all bearers, successful, SS request size limit)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--|--------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND SS 1.4.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND SS 1.4.1 | |
| 4 | $ME \rightarrow USER$ | Display "Call Forward" | |
| 5 | $ME \rightarrow USS$ | REGISTER 1.2A | |
| 6 | $USS \to ME$ | RELEASE COMPLETE (SS RETURN RESULT) 1.2A | [Successful] |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND SS 1.4.1A | |

Expected Sequence 1.4B (SEND SS, call forward unconditional, all bearers, successful, SS request size limit)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--|--------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND SS 1.4.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND SS 1.4.1 | |
| 4 | $ME \rightarrow USER$ | Display "Call Forward" | |
| 5 | $ME \to USS$ | REGISTER 1.2B | |
| 6 | $USS \to ME$ | RELEASE COMPLETE (SS RETURN RESULT) 1.2B | [Successful] |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND SS 1.4.1B | |

PROACTIVE COMMAND: SEND SS 1.4.1

Logically:

Command details

Command number:

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: "Call Forward"

SS String

TON: International

NPI: "ISDN / telephone numbering plan"

SS string: "**21*0123456789012345678901234567*11#"

Coding:

| BER-TLV: | D0 | 2D | 81 | 03 | 01 | 11 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0C | 43 | 61 | 6C | 6C | 20 | 46 | 6F | 72 | 77 | 61 | 72 |
| | 64 | 89 | 14 | 91 | AA | 12 | 0A | 21 | 43 | 65 | 87 | 09 |
| | 21 | 43 | 65 | 87 | 09 | 21 | 43 | 65 | A7 | 11 | FB | |

REGISTER 1.2A

Logically (only SS argument):

REGISTER SS ARGUMENT

RegisterSSArg

SS-Code

Call Forwarding Unconditional

TeleserviceCode

See Note 1

Forwarded To Number

nature of address ind.: international

numbering plan ind.: ISDN/Telephony (E.164)

TBCD String: 0123456789012345678901234567

longFTN-Supported

Coding:

| BER-TLV | 30 | 19 | 04 | 01 | 21 | 83 | 01 | Note 1 | 84 | 0F | 91 | 10 |
|------------|----|----|----|----|----|----|----|--------|----|----|----|----|
| \ <u>-</u> | 32 | 54 | 76 | 98 | 10 | 32 | 54 | 76 | 98 | 10 | 32 | 54 |
| | 76 | 89 | 00 | | | | | | | | | |

Note 1: TeleserviceCode is '11' for "Telephony" or is '10' for "allSpeechTransmissionServices"

REGISTER 1.2B

Logically (only SS argument):

REGISTER SS ARGUMENT

Register SSArg

SS-Code

Call Forwarding Unconditional

TeleserviceCode

See Note 1

Forwarded To Number

nature of address ind.: international

numbering plan ind.: ISDN/Telephony (E.164)

TBCD String: 0123456789012345678901234567

Coding:

| BER-TLV | 30 | 17 | 04 | 01 | 21 | 83 | 01 | Note 1 | 84 | 0F | 91 | 10 |
|---------|----|----|----|----|----|----|----|--------|----|----|----|----|
| - | 32 | 54 | 76 | 98 | 10 | 32 | 54 | 76 | 98 | 10 | 32 | 54 |
| | 76 | | | | | | | | | | | |

Note 1: TeleserviceCode is '11' for "Telephony" or is '10' for "allSpeechTransmissionServices"

Logically (only from operation code):

REGISTER SS RETURN RESULT

ForwardingInfo

SS-Code

- Call Forwarding Unconditional

Forward Feature List

ForwardingFeature

TeleserviceCode

- See Note 1

SS-Status

- state ind.: operative

- provision ind.: provisioned

- registration ind.: registered

- activation ind.: active

longForwardedToNumber

- nature of address ind .: international

- numbering plan ind.: ISDN/Telephony (E.164)

- TBCD String: 0123456789012345678901234567

Coding:

| Coding | 0A | A0 | 1E | 04 | 01 | 21 | 30 | 19 | 30 | 17 | 83 | 01 |
|--------|--------|----|----|----|----|----|----|----|----|----|----|----|
| | Note 1 | 84 | 01 | 07 | 89 | 0F | 91 | 10 | 32 | 54 | 76 | 98 |
| | 10 | 32 | 54 | 76 | 98 | 10 | 32 | 54 | 76 | | | |

Note 1: TeleserviceCode is '11' for "Telephony" or is '10' for "allSpeechTransmissionServices"

RELEASE COMPLETE (SS RETURN RESULT) 1.2B

Logically (only from operation code):

REGISTER SS RETURN RESULT

ForwardingInfo

SS-Code

- Call Forwarding Unconditional

ForwardFeatureList

ForwardingFeature

TeleserviceCode

- See Note 1

SS-Status

- state ind .: operative

provision ind.: provisionedregistration ind.: registeredactive

Coding:

| Coding | 0A | A0 | 0D | 04 | 01 | 21 | 30 | 80 | 30 | 06 | 83 | 01 |
|--------|--------|----|----|----|----|----|----|----|----|----|----|----|
| | Note 1 | 84 | 01 | 07 | | | | | | | | |

Note 1: TeleserviceCode is '11' for "Telephony" or is '10' for "allSpeechTransmissionServices"

TERMINAL RESPONSE: SEND SS 1.4.1A

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully Additional information: Operation Code and SS Parameters

Coding:

| BER-TLV: | 81 | 03 | 01 | 11 | 00 | 82 | 02 | 82 | 81 | 03 | 22 |
|----------|----|----|--------|----|----|----|----|----|----|----|----|
| | 00 | 0A | A0 | 1E | 04 | 01 | 21 | 30 | 19 | 30 | 17 |
| | 83 | 01 | Note 1 | 84 | 01 | 07 | 89 | 0F | 91 | 10 | 32 |
| | 54 | 76 | 98 | 10 | 32 | 54 | 76 | 98 | 10 | 32 | 54 |
| | 76 | | | | | | | | | | |

Note 1: TeleserviceCode is '11' for "Telephony" or is '10' for "allSpeechTransmissionServices"

TERMINAL RESPONSE: SEND SS 1.4.1B

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully Additional information: Operation Code and SS Parameters

| BER-TLV: | 81 | 03 | 01 | 11 | 00 | 82 | 02 | 82 | 81 | 03 | 11 |
|----------|----|----|--------|----|----|----|----|----|----|----|----|
| | 00 | 0A | A0 | 0D | 04 | 01 | 21 | 30 | 80 | 30 | 06 |
| | 83 | 01 | Note 1 | 84 | 01 | 07 | | | | | |

Note 1: TeleserviceCode is '11' for "Telephony" or is '10' for "allSpeechTransmissionServices"

Expected Sequence 1.5 (SEND SS, interrogate CLIR status, successful, alpha identifier limits)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|--------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND SS 1.5.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND SS 1.5.1 | |
| 4 | $ME \rightarrow USER$ | Display "Even if the Fixed Dialling Number service is | |
| | | enabled, the supplementary service control string | |
| | | included in the SEND SS proactive command shall not | |
| | | be checked against those of the FDN list. Upon | |
| | | receiving this command, the ME shall deci" | |
| 5 | $ME \to USS$ | REGISTER 1.3 | |
| 6 | | RELEASE COMPLETE (SS RETURN RESULT) 1.3 | [Successful] |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND SS 1.5.1 | |

PROACTIVE COMMAND: SEND SS 1.5.1

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Even if the Fixed Dialling Number service is enabled, the supplementary service

control string included in the SEND SS proactive command shall not be checked against those of the FDN list. Upon receiving this command, the ME shall deci"

SS String

TON: Undefined NPI: Undefined SS string: "*#31#"

Coding:

| | 1 | | | | | | | | | | | |
|----------|----|----------------|----------------|----|----|----|----|----|-----------------------|----------------|----|----|
| BER-TLV: | D0 | 81 | FD | 81 | 03 | 01 | 11 | 00 | 82 | 02 | 81 | 83 |
| | 85 | 81 | EB | 45 | 76 | 65 | 6 | 20 | 69 | 66 | 20 | 74 |
| | 68 | 65 | 20 | 46 | 69 | 78 | 65 | 64 | 20 | 44 | 69 | 61 |
| | 6C | 6 ^C | 69 | 6E | 67 | 20 | 4E | 75 | 6D | 62 | 65 | 72 |
| | 20 | 73 | 65 | 72 | 76 | 69 | 63 | 65 | 20 | 69 | 73 | 20 |
| | 65 | 6E | 61 | 62 | 6C | 65 | 64 | 2C | 20 | 74 | 68 | 65 |
| | 20 | 73 | 75 | 70 | 70 | 6C | 65 | 6D | 65 | 6E | 74 | 61 |
| | 72 | 79 | 20 | 73 | 65 | 72 | 76 | 69 | 63 | 65 | 20 | 63 |
| | 6F | 6E | 74 | 72 | 6F | 6C | 20 | 73 | 74 | 7 ² | 69 | 6E |
| | 67 | 2 ⁰ | 69 | 6E | 63 | 6C | 75 | 64 | 65 | 64 | 20 | 69 |
| | 6E | 20 | 74 | 68 | 65 | 20 | 53 | 45 | 4E | 44 | 20 | 53 |
| | 53 | 20 | 70 | 72 | 6F | 61 | 63 | 74 | 69 | 76 | 65 | 20 |
| | 63 | 6F | 6D | 6D | 61 | 6E | 64 | 20 | 73 | 68 | 61 | 6C |
| | 6C | 20 | 6E | 6F | 74 | 20 | 62 | 65 | 20 | 63 | 68 | 65 |
| | 63 | 6B | 65 | 64 | 20 | 61 | 67 | 61 | 69 | 6E | 73 | 74 |
| | 20 | 74 | 68 | 6F | 73 | 65 | 20 | 6F | 66 | 20 | 74 | 68 |
| | 65 | 20 | 4 ⁶ | 44 | 4E | 20 | 6C | 69 | 7 ³ | 74 | 2E | 20 |
| | 55 | 70 | 6F | 6E | 20 | 72 | 65 | 63 | 65 | 69 | 76 | 69 |
| | 6E | 67 | 20 | 74 | 68 | 69 | 73 | 20 | 63 | 6F | 6D | 6D |
| | 61 | 6E | 64 | 2C | 20 | 74 | 68 | 65 | 20 | 4D | 45 | 20 |
| | 73 | 68 | 61 | 6C | 6C | 20 | 64 | 65 | 63 | 69 | 89 | 04 |
| | FF | BA | 13 | FB | | | | | | | | |

REGISTER 1.3

Logically (only SS argument):

INTERROGATE SS ARGUMENT

SS-Code

- Calling Line Id Restriction

Coding:

| BER-TLV | 30 | 03 | 04 | 01 | 12 |
|---------|----|----|----|----|----|

RELEASE COMPLETE (SS RETURN RESULT) 1.3

Logically (only from operation code):

INTERROGATE SS RESULT

CliRestrictionInfo

SS-Status

- state ind .: operative

- provision ind.: provisioned

- registration ind.: registered

- activation ind.: not active

CliRestrictionOption

- Temporary Def Allowed

Coding:

| Coding 0E A4 06 04 01 | 06 | 0A 01 | 02 |
|-----------------------|----|-------|----|
|-----------------------|----|-------|----|

TERMINAL RESPONSE: SEND SS 1.5.1

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Additional information

Operation Code: SS Code

Parameters: SS Return Result

| BER-TLV: | 81 | 03 | 01 | 11 | 00 | 82 | 02 | 82 | 81 | 03 | 0A |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | 0E | A4 | 06 | 04 | 01 | 90 | 0A | 01 | 02 | |

Expected Sequence 1.6A (SEND SS, call forward unconditional, all bearers, successful, null data alpha identifier)

| Step | Direction | MESSAGE / Action | Comments |
|------|--------------|--|--------------|
| 1 | $UICC \to$ | PROACTIVE COMMAND PENDING: SEND SS 1.6.1 | |
| | ME | | |
| 2 | ME 	o | FETCH | |
| | UICC | | |
| 3 | $UICC \to$ | PROACTIVE COMMAND: SEND SS 1.6.1 | |
| | ME | | |
| 4 | ME | Should not give any information to the user on the fact that | |
| | | the ME is sending an SS request | |
| 5 | $ME \to USS$ | REGISTER 1.1A | |
| 6 | $USS \to ME$ | RELEASE COMPLETE (SS RETURN RESULT) 1.1A | [Successful] |
| 7 | ME 	o | TERMINAL RESPONSE: SEND SS 1.1.1A | |
| | UICC | | |

Expected Sequence 1.6B (SEND SS, call forward unconditional, all bearers, successful, null data alpha identifier)

| Step | Direction | MESSAGE / Action | Comments |
|------|--------------|--|--------------|
| 1 | $UICC \to$ | PROACTIVE COMMAND PENDING: SEND SS 1.6.1 | |
| | ME | | |
| 2 | ME 	o | FETCH | |
| | UICC | | |
| 3 | $UICC \to$ | PROACTIVE COMMAND: SEND SS 1.6.1 | |
| | ME | | |
| 4 | ME | Should not give any information to the user on the fact that | |
| | | the ME is sending an SS request | |
| 5 | | REGISTER 1.1B | |
| 6 | $USS \to ME$ | RELEASE COMPLETE (SS RETURN RESULT) 1.1B | [Successful] |
| 7 | ME 	o | TERMINAL RESPONSE: SEND SS 1.1.1B | |
| | UICC | | |

PROACTIVE COMMAND: SEND SS 1.6.1

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: null data object

SS String

TON: International

NPI: "ISDN / telephone numbering plan" SS string: "**21*01234567890123456789*10#"

Coding:

| BER-TLV: | D0 | 1D | 81 | 03 | 01 | 11 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | 89 | 10 | 91 | AA | 12 | 0A | 21 | 43 | 65 | 87 | 09 |
| | 21 | 43 | 65 | 87 | Α9 | 01 | FB | | | | | |

27.22.4.11.1.5 Test requirement

The ME shall operate in the manner defined in expected sequence 1.1 to 1.6.

27.22.4.11.2 SEND SS (Icon support)

27.22.4.11.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.11.2.2 Conformance requirement

27.22.4.11.2.3 Test purpose

To verify that the ME displays the text contained in the SEND SS proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

In addition to verify that if an icon is provided by the UICC, the icon indicated in the command may be used by the ME to inform the user, in addition to, or instead of the alpha identifier, as indicated with the icon qualifier.

27.22.4.11.2.4 Method of test

27.22.4.11.2.4.1 Initial conditions

The ME is connected to the USIM Simulator and to the USS. Prior to this test the ME shall have been powered on, performed the PROFILE DOWNLOAD procedure and be in updated idle mode on the USS.

The elementary files are coded as Toolkit default.

27.22.4.11.2.4.2 Procedure

Expected Sequence 2.1A (SEND SS, call forward unconditional, all bearers, successful, basic icon self explanatory, successful)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND SS 2.1.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND SS 2.1.1 | [BASIC-ICON, self-explanatory] |
| 4 | $ME \rightarrow USER$ | Display the basic icon without the alpha identifier | |
| 5 | $ME \to USS$ | REGISTER 1.1A | Option A applies if A.1/63 is |
| 6 | $USS \to ME$ | Or REGISTER 1.1B RELEASE COMPLETE (SS RETURN RESULT) 1.1A or | supported, Option B applies if A.1/63 is not supported [Successful] Option A applies if A.1/63 is |
| | | RELEASE COMPLETE (SS RETURN RESULT) 1.1B | supported, Option B applies if A.1/63 is not supported |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND SS 2.1.1AA or | [Command performed successfully] Option AA applies if A.1/63 is |
| | | TERMINAL RESPONSE: SEND SS 2.1.1AB | supported, Option AB applies if A.1/63 is not |
| | | | supported |

PROACTIVE COMMAND: SEND SS 2.1.1

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC

Destination device: Network
Alpha identifier: "Basic Icon"

SS String

TON: International

NPI: "ISDN / telephone numbering plan" SS string: "**21*01234567890123456789*10#"

Icon Identifier:

Icon qualifier: icon is self-explanatory Icon Identifier: record 1 in $EF_{(IMG)}$

Coding:

| BER-TLV: | D0 | 2B | 81 | 03 | 01 | 11 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0A | 42 | 61 | 73 | 69 | 63 | 20 | 49 | 63 | 6F | 6E | 89 |
| | 10 | 91 | AA | 12 | 0A | 21 | 43 | 65 | 87 | 09 | 21 | 43 |
| | 65 | 87 | A9 | 01 | FB | 9E | 02 | 00 | 01 | | | |

TERMINAL RESPONSE: SEND SS 2.1.1AA

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully Additional information: Operation Code and SS Parameters

Coding:

| BER-TLV: | 81 | 03 | 01 | 11 | 00 | 82 | 02 | 82 | 81 | 03 | 1E |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | 0A | A0 | 1A | 04 | 01 | 21 | 30 | 15 | 30 | 13 |
| | 83 | 01 | 00 | 84 | 01 | 07 | 89 | 0B | 91 | 10 | 32 |
| | 54 | 76 | 98 | 10 | 32 | 54 | 76 | 98 | | | |

TERMINAL RESPONSE: SEND SS 2.1.1AB

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully Additional information: Operation Code and SS Parameters

| BER-TLV: | 81 | 03 | 01 | 11 | 00 | 82 | 02 | 82 | 81 | 03 | 11 |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | 0A | A0 | 0D | 04 | 01 | 21 | 30 | 80 | 30 | 06 |
| | 83 | 01 | 00 | 84 | 01 | 07 | | | | | |

Expected Sequence 2.1B (SEND SS, call forward unconditional, all bearers, successful, basic icon self explanatory, requested icon could not be displayed)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|----------------------------------|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SS 2.1.1 | |
| 2 | / 0.00 | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | [BASIC-ICON, self-explanatory] |
| | | SS 2.1.1 | |
| 4 | $ME \rightarrow USER$ | Display "Basic Icon" without the | |
| | | icon | |
| 5 | $ME \rightarrow USS$ | REGISTER 1.1A | Option A applies if A.1/63 is supported, |
| | | Or | Option B applies if A.1/63 is not supported |
| | | REGISTER 1.1B | |
| 6 | $USS \to ME$ | RELEASE COMPLETE (SS | [Successful] |
| | | RETURN RESULT) 1.1A or | Option A applies if A.1/63 is supported, |
| | | RELEASE COMPLETE (SS | Option B applies if A.1/63 is not supported |
| _ | | RETURN RESULT) 1.1B | |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully, but |
| | | SS 2.1.1BA or | requested icon could not be displayed] |
| | | TERMINAL RESPONSE: SEND | Option BA applies if A.1/63 is supported, |
| | | SS 2.1.1BB | Option BB applies if A.1/63 is not supported |

TERMINAL RESPONSE: SEND SS 2.1.1BA

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully, but requested icon could not be displayed

Additional information: Operation Code and SS Parameters

Coding:

BER-TLV:

| 81 | 03 | 01 | 11 | 00 | 82 | 02 | 82 | 81 | 03 | 1E |
|----|----|----|----|----|----|----|----|----|----|----|
| 04 | 0A | A0 | 1A | 04 | 01 | 21 | 30 | 15 | 30 | 13 |
| 83 | 01 | 00 | 84 | 01 | 07 | 89 | 0B | 91 | 10 | 32 |
| 54 | 76 | 98 | 10 | 32 | 54 | 76 | 98 | | | |

TERMINAL RESPONSE: SEND SS 2.1.1BB

Logically:

Command details

Command number: 1 Command type: SEND SS

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully, but requested icon could not be displayed

Additional information: Operation Code and SS Parameters

BER-TLV:

| 81 | 03 | 01 | 11 | 00 | 82 | 02 | 82 | 81 | 03 | 11 | |
|----|----|----|----|----|----|----|----|----|----|----|--|
| 04 | 0A | A0 | 0D | 04 | 01 | 21 | 30 | 80 | 30 | 06 | |
| 83 | 01 | 00 | 84 | 01 | 07 | | | | | | |

Expected Sequence 2.2A (SEND SS, call forward unconditional, all bearers, successful, colour icon self explanatory, successful)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---------------------------------|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SS 2.2.1 | |
| 2 | / 0.00 | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | [COLOUR-ICON, self-explanatory] |
| | | SS 2.2.1 | |
| 4 | | Display the colour icon without | |
| | | thealpha identifier | |
| 5 | $ME \to USS$ | REGISTER 1.1A | Option A applies if A.1/63 is supported, |
| | | Or | Option B applies if A.1/63 is not supported |
| | | REGISTER 1.1B | |
| 6 | $USS \to ME$ | RELEASE COMPLETE (SS | [Successful] |
| | | RETURN RESULT) 1.1A or | Option A applies if A.1/63 is supported, |
| | | RELEASE COMPLETE (SS | Option B applies if A.1/63 is not supported |
| | | RETURN RESULT) 1.1B | |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| | | SS 2.1.1AA or | Option AA applies if A.1/63 is supported, |
| | | TERMINAL RESPONSE: SEND | Option AB applies if A.1/63 is not supported |
| | | SS 2.1.1AB | |

PROACTIVE COMMAND: SEND SS 2.2.1

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: "Colour Icon"

SS String

TON: International

NPI: "ISDN / telephone numbering plan" SS string: "**21*01234567890123456789*10#"

Icon Identifier:

Icon qualifier: icon is self-explanatory Icon Identifier: record 2 in $EF_{(IMG)}$

| BER-TLV: | D0 | 2C | 81 | 03 | 01 | 11 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0B | 43 | 6F | 6C | 6F | 75 | 72 | 20 | 49 | 63 | 6F | 6E |
| | 89 | 10 | 91 | AA | 12 | 0A | 21 | 43 | 65 | 87 | 09 | 21 |
| | 43 | 65 | 87 | Α9 | 01 | FB | 9F | 02 | 00 | 02 | | |

Expected Sequence 2.2B (SEND SS, call forward unconditional, all bearers, successful, colour icon self explanatory, requested icon could not be displayed)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|-----------------------------------|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SS 2.2.1 | |
| 2 | $ME \rightarrow UICC$ | _ | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | [COLOUR-ICON, self-explanatory] |
| | | SS 2.2.1 | |
| 4 | $ME \rightarrow USER$ | Display "Colour Icon" without the | |
| | | icon | |
| 5 | $ME \to USS$ | REGISTER 1.1A | Option A applies if A.1/63 is supported, |
| | | Or | Option B applies if A.1/63 is not supported |
| _ | | REGISTER 1.1B | |
| 6 | $USS \to ME$ | RELEASE COMPLETE (SS | [Successful] |
| | | RETURN RESULT) 1.1A or | Option A applies if A.1/63 is supported, |
| | | RELEASE COMPLETE (SS | Option B applies if A.1/63 is not supported |
| | | RETURN RESULT) 1.1B | |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | [Command performed but requested icon |
| | | SS 2.1.1BA or | could not be displayed] |
| | | TERMINAL RESPONSE: SEND | Option BA applies if A.1/63 is supported, |
| | | SS 2.1.1BB | Option BB applies if A.1/63 is not supported |

Expected Sequence 2.3A (SEND SS, call forward unconditional, all bearers, successful, basic icon non self-explanatory, successful)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|------------------------------------|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SS 2.3.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | [BASIC-ICON, non self-explanatory] |
| | | SS 2.3.1 | |
| 4 | $ME \rightarrow USER$ | Display "Basic Icon" and the basic | |
| | | icon | |
| 5 | $ME \rightarrow USS$ | REGISTER 1.1A | Option A applies if A.1/63 is supported, |
| | | Or | Option B applies if A.1/63 is not supported |
| _ | | REGISTER 1.1B | |
| 6 | $USS \to ME$ | RELEASE COMPLETE (SS | [Successful] |
| | | RETURN RESULT) 1.1A or | Option A applies if A.1/63 is supported, |
| | | RELEASE COMPLETE (SS | Option B applies if A.1/63 is not supported |
| | | RETURN RESULT) 1.1B | |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| | | SS 2.1.1AA or | Option AA applies if A.1/63 is supported, |
| | | TERMINAL RESPONSE: SEND | Option AB applies if A.1/63 is not supported |
| | | SS 2.1.1AB | |

PROACTIVE COMMAND: SEND SS 2.3.1

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha Identifier

Text: "Basic Icon"

SS String

TON: International

NPI: "ISDN / telephone numbering plan" SS string: "**21*01234567890123456789*10#"

Icon Identifier

Icon qualifier: icon is non self-explanatory

Icon Identifier: record 1 in $EF_{(IMG)}$

Coding:

| BER-TLV: | D0 | 2B | 81 | 03 | 01 | 11 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0A | 42 | 61 | 73 | 69 | 63 | 20 | 49 | 63 | 6F | 6E | 89 |
| | 10 | 91 | AA | 12 | 0A | 21 | 43 | 65 | 87 | 09 | 21 | 43 |
| | 65 | 87 | A9 | 01 | FB | 9E | 02 | 01 | 01 | | | |

Expected Sequence 2.3B (SEND SS, call forward unconditional, all bearers, successful, basic icon non self-explanatory)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|----------------------------------|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SS 2.3.1 | |
| 2 | / 0.00 | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | [BASIC-ICON, non self-explanatory] |
| | | SS 2.3.1 | |
| 4 | $ME \rightarrow USER$ | Display "Basic Icon" without the | |
| | | icon | |
| 5 | $ME \rightarrow USS$ | REGISTER 1.1A | Option A applies if A.1/63 is supported, |
| | | Or | Option B applies if A.1/63 is not supported |
| | | REGISTER 1.1B | 10 (1) |
| 6 | $USS \to ME$ | RELEASE COMPLETE (SS | [Successful] |
| | | RETURN RESULT) 1.1A or | Option A applies if A.1/63 is supported, |
| | | RELEASE COMPLETE (SS | Option B applies if A.1/63 is not supported |
| _ | ME 11100 | RETURN RESULT) 1.1B | [O |
| 7 | ME → UICC | TERMINAL RESPONSE: SEND | [Command performed but requested icon |
| | | SS 2.1.1BA or | could not be displayed] |
| | | TERMINAL RESPONSE: SEND | Option BA applies if A.1/63 is supported, |
| | | SS 2.1.1BB | Option BB applies if A.1/63 is not supported |

Expected Sequence 2.4 (SEND SS, call forward unconditional, all bearers, successful, basic icon non self-explanatory, no alpha identifier presented)

| Step | Direction | MESSAGE / Action | Comments |
|------|------------|----------------------------------|-------------------------------------|
| 1 | $UICC \to$ | PROACTIVE COMMAND PENDING: | |
| | ME | SEND SS 2.4.1 | |
| 2 | ME 	o | FETCH | |
| | UICC | | |
| 3 | $UICC \to$ | PROACTIVE COMMAND: SEND SS 2.4.1 | [BASIC-ICON, non self-explanatory] |
| | ME | | |
| 4 | ME 	o | TERMINAL RESPONSE: SEND SS 2.4.1 | [Command data not understood by ME] |
| | UICC | | |

PROACTIVE COMMAND: SEND SS 2.4.1

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

SS String

TON: International

NPI: "ISDN / telephone numbering plan" SS string: "**21*01234567890123456789#"

Icon Identifier

Icon qualifier: icon is non self-explanatory

Icon Identifier: record 1 in $EF_{(IMG)}$

Coding:

| BER-TLV: | D0 | 1D | 81 | 03 | 01 | 11 | 00 | 82 | 02 | 81 | 83 | 89 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0E | 91 | AA | 12 | 0A | 21 | 43 | 65 | 87 | 09 | 21 | 43 |
| | 65 | 87 | B9 | 9E | 02 | 01 | 01 | | | | | |

TERMINAL RESPONSE: SEND SS 2.4.1

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command data not understood by ME

Coding:

| BER-TLV: |
|----------|
|----------|

27.22.4.11.2.5 Test requirement

The ME shall operate in the manner defined in expected sequences 2.1A to 2.4.

27.22.4.11.3 SEND SS (UCS2 display in Cyrillic)

27.22.4.11.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.11.3.2 Conformance requirement

The ME shall support the Proactive UICC: SEND SHORT MESSAGE facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.11, clause 6.6.10, clause 8.12.1, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.14, clause 8.31 and clause 6.5

Additionnally, the ME shall support the UCS2 facility for the coding of the Cyrillic alphabet, as defined in: ISO/IEC 10646 [17].

27.22.4.11.3.3 Test purpose

To verify that the ME displays the UCS2 text contained in the SEND SS proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.11.3.4 Method of test

27.22.4.11.3.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table. The elementary files are coded as USIM Application Toolkit default. Prior to this test the ME shall have been powered on, performed the PROFILE DOWNLOAD procedure and be in updated idle mode on the USS.

27.22.4.11.3.4.2 Procedure

Expected Sequence 3.1 (SEND SS, call forward unconditional, all bearers, successful, UCS2 text in Cyrillic)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|-------------------------|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SS 3.1.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | |
| | | SS 3.1.1 | |
| 4 | $ME \rightarrow USER$ | Display "ЗДРАВСТВУЙТЕ" | ["Hello" in Russian] |
| 5 | $ME \rightarrow USS$ | REGISTER 1.1A | Option A applies if A.1/63 is supported, |
| | | Or | Option B applies if A.1/63 is not supported |
| | | REGISTER 1.1B | |
| 6 | $USS \to ME$ | RELEASE COMPLETE (SS | [Successful] |
| | | RETURN RESULT) 1.1A or | Option A applies if A.1/63 is supported, |
| | | RELEASE COMPLETE (SS | Option B applies if A.1/63 is not supported |
| | | RETURN RESULT) 1.1B | |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| | | SS 1.1.1A or | Option A applies if A.1/63 is supported, |
| | | TERMINAL RESPONSE: SEND | Option B applies if A.1/63 is not supported |
| | | SS 1.1.1B | |

PROACTIVE COMMAND: SEND SS 3.1.1

Logically:

Command details

Command number:

SEND SS

Command type: Command qualifier:

"00"

Device identities

UICC

Source device: Destination device:

Network

Alpha Identifier

Data coding scheme:

UCS2 (16bit)

Text:

"ЗДРАВСТВУЙТЕ"

SS String

TON:

International

NPI: SS string:

"ISDN / telephone numbering plan"
"**21*01234567890123456789*10#"

Coding:

| BER-TLV: | D0 | 36 | 81 | 03 | 01 | 11 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| _ | 19 | 80 | 04 | 17 | 04 | 14 | 04 | 20 | 04 | 10 | 04 | 12 |
| | 04 | 21 | 04 | 22 | 04 | 12 | 04 | 23 | 04 | 19 | 04 | 22 |
| | 04 | 15 | 89 | 10 | 91 | AA | 12 | 0A | 21 | 43 | 65 | 87 |
| | 09 | 21 | 43 | 65 | 87 | A9 | 01 | FB | | | | |

27.22.4.11.3.5 Test requirement

The ME shall operate in the manner defined in expected sequence 3.1.

27.22.4.11.4 SEND SS (support of Text Attribute)

27.22.4.11.4.1 SEND SS (support of Text Attribute – Left Alignment)

27.22.4.11.4.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.11.4.1.2 Conformance requirement

The ME shall support the Proactive UICC: Send SS facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.11, clause 6.6.10, clause 8.12.1, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.14, clause 8.31 and clause 6.5.

27.22.4.11.4.1.3 Test purpose

To verify that the ME displays the alpha identifier according to the left alignment text attribute configuration in the SEND SS proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.11.4.1.4 Method of test

27.22.4.11.4.1.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table.

27.22.4.11.4.1.4.2 Procedure

Expected Sequence 4.1A (SEND SS, call forward unconditional, all bearers, successful, alpha identifier with Text attribute – Left Alignment)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--------------------------------------|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SS 4.1.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | |
| | | SS 4.1.1 | |
| 4 | | Display "Text Attribute 1" | [Message shall be formatted with left alignment] |
| 5 | $ME \rightarrow USS$ | REGISTER 4.1A | |
| 6 | $USS \to ME$ | RELEASE COMPLETE (SS | [Successful] |
| | | RETURN RESULT) 4.1A | |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | |
| | | SS 4.1.1A | |
| 8 | $UICC \to ME$ | PROACTIVE COMMAND | |
| 9 | ME LUCC | PENDING: SEND SS 4.1.2 | |
| _ | ME → UICC | | |
| 10 | UICC → ME | PROACTIVE COMMAND: SEND ISS 4.1.2 | |
| 11 | ME → USER | | [Message shall be formatted with left |
| '' | IVIE → USER | Display Text Attribute 2 | alignment. Remark: If left alignment is the |
| | | | ME"s default alignment as declared in table |
| | | | A.2/12, no alignment change will take place] |
| 12 | $ME \rightarrow USS$ | REGISTER 4.1A | |
| 13 | $USS \to ME$ | RELEASE COMPLETE (SS | [Successful] |
| | | RETURN RESULT) 4.1A | , |
| 14 | $ME \rightarrow UICC$ | TERMINAL RESPÓNSE: SEND | |
| | | SS 4.1.1A | |

Expected Sequence 4.1B (SEND SS, call forward unconditional, all bearers, successful, alpha identifier with Text attribute – Left Alignment)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SS 4.1.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND SS 4.1.1 | |
| 4 | $ME \rightarrow USER$ | Display "Text Attribute 1" | [Message shall be formatted with left alignment] |
| 5 | $ME \rightarrow USS$ | REGISTER 4.1B | |
| 6 | $USS \to ME$ | RELEASE COMPLETE (SS RETURN RESULT) 4.1B | [Successful] |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND SS 4.1.1B | |
| 8 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND SS 4.1.2 | |
| 9 | $ME \rightarrow UICC$ | | |
| 10 | $UICC \to ME$ | PROACTIVE COMMAND: SEND SS 4.1.2 | |
| 11 | ME → USER | Display "Text Attribute 2" | [Message shall be formatted with left alignment. Remark: If left alignment is the ME"s default alignment as declared in table A.2/12, no alignment change will take place] |
| 12 | $ME \rightarrow USS$ | REGISTER 4.1B | |
| 13 | $USS \to ME$ | RELEASE COMPLETE (SS RETURN RESULT) 4.1B | [Successful] |
| 14 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND SS 4.1.1B | |

PROACTIVE COMMAND: SEND SS 4.1.1

Logically:

Command details

Command number: 1

Command type: SEND SS
Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 1"

SS String

TON: International

NPI: "ISDN / telephone numbering plan" SS string: "**21*01234567890123456789*10#"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off, Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 33 | 81 | 03 | 01 | 11 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 31 | 89 | 10 | 91 | AA | 12 | 0A | 21 |
| | 43 | 65 | 87 | 09 | 21 | 43 | 65 | 87 | A9 | 01 | FB | D0 |
| | 04 | 00 | 10 | 00 | B4 | | | | | | | |

PROACTIVE COMMAND: SEND SS 4.1.2

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 2"

SS String

TON: International

NPI: "ISDN / telephone numbering plan" SS string: "**21*01234567890123456789*10#"

Coding:

| BER-TLV: | D0 | 2D | 81 | 03 | 01 | 11 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 32 | 89 | 10 | 91 | AA | 12 | 0A | 21 |
| | 43 | 65 | 87 | 09 | 21 | 43 | 65 | 87 | A9 | 01 | FB | |

REGISTER 4.1A

Same as cl 27.22.4.11.1.4.2 REGISTER 1.1A

REGISTER 4.1B

Same as cl 27.22.4.11.1.4.2 REGISTER 1.1B

RELEASE COMPLETE (SS RETURN RESULT) 4.1A

Same as cl 27.22.4.11.1.4.2 RELEASE COMPLETE (SS RETURN RESULT) 1.1A

RELEASE COMPLETE (SS RETURN RESULT) 4.1B

Same as cl 27.22.4.11.1.4.2 RELEASE COMPLETE (SS RETURN RESULT) 1.1B

TERMINAL RESPONSE: SEND SS 4.1.1A

Same as cl 27.22.4.11.1.4.2 TERMINAL RESPONSE: SEND SS 1.1.1A

TERMINAL RESPONSE: SEND SS 4.1.1B

Same as cl 27.22.4.11.1.4.2 TERMINAL RESPONSE: SEND SS 1.1.1B

27.22.4.11.4.1.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.1.

27.22.4.11.4.2 SEND SS (support of Text Attribute – Center Alignment)

27.22.4.11.4.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.11.4.2.2 Conformance requirement

The ME shall support the Proactive UICC: Send SS facility as defined in:

TS 31.111 [15] clause 6.1, clause 6.4.11, clause 6.6.10, clause 8.12.1, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.14, clause 8.31 and clause 6.5.

27.22.4.11.4.2.3 Test purpose

To verify that the ME displays the alpha identifier according to the center alignment text attribute configuration in the SEND SS proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.11.4.2.4 Method of test

27.22.4.11.4.2.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table.

27.22.4.11.4.2.4.2 Procedure

Expected Sequence 4.2A (SEND SS, call forward unconditional, all bearers, successful, alpha identifier with Text attribute – Center Alignment)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SS 4.2.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | |
| | | SS 4.2.1 | |
| 4 | | Display "Text Attribute 1" | [Message shall be formatted with center alignment] |
| 5 | $ME \rightarrow USS$ | REGISTER 4.1A | |
| 6 | $USS \to ME$ | RELEASE COMPLETE (SS | [Successful] |
| _ | | RETURN RESULT) 4.1A | |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | |
| | | SS 4.1.1A | |
| 8 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND SS 4.2.2 | |
| 9 | $ME \rightarrow UICC$ | | |
| 10 | | PROACTIVE COMMAND: SEND | |
| 10 | | ISS 4.2.2 | |
| 11 | ME → USER | | [Message shall be formatted with center alignment. Remark: If center alignment is the ME"s default alignment as declared in table A.2/12, no alignment change will take place] |
| 12 | $ME \rightarrow USS$ | REGISTER 4.1A | |
| 13 | $USS \to ME$ | RELEASE COMPLETE (SS RETURN RESULT) 4.1A | [Successful] |
| 14 | $ME \rightarrow UICC$ | TERMINAL RESPÓNSE: SEND SS 4.1.1A | |

Expected Sequence 4.2B (SEND SS, call forward unconditional, all bearers, successful, alpha identifier with Text attribute – Center Alignment)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SS 4.2.1 | |
| 2 | WIL / 0100 | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND SS 4.2.1 | |
| 4 | $ME \to USER$ | Display "Text Attribute 1" | [Message shall be formatted with center alignment] |
| 5 | $ME \to USS$ | REGISTER 4.1B | |
| 6 | $USS \to ME$ | RELEASE COMPLETE (SS RETURN RESULT) 4.1B | [Successful] |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND SS 4.1.1B | |
| 8 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND SS 4.2.2 | |
| 9 | $ME \rightarrow UICC$ | | |
| 10 | $UICC \to ME$ | PROACTIVE COMMAND: SEND SS 4.2.2 | |
| 11 | $ME \to USER$ | Display "Text Attribute 2" | [Message shall be formatted with center alignment. Remark: If center alignment is the ME"s default alignment as declared in table A.2/12, no alignment change will take place] |
| 12 | $ME \to USS$ | REGISTER 4.1B | |
| 13 | $USS \to ME$ | RELEASE COMPLETE (SS RETURN RESULT) 4.1B | [Successful] |
| 14 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND SS 4.1.1B | |

PROACTIVE COMMAND: SEND SS 4.2.1

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 1"

SS String

TON: International

NPI: "ISDN / telephone numbering plan" SS string: "**21*01234567890123456789*10#"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Center Alignment, Normal Font, Bold Off, Italic Off, Underline Off, Strikethrough

Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 33 | 81 | 03 | 01 | 11 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 31 | 89 | 10 | 91 | AA | 12 | 0A | 21 |
| | 43 | 65 | 87 | 09 | 21 | 43 | 65 | 87 | A9 | 01 | FB | D0 |
| | 04 | 00 | 10 | 01 | B4 | | | | | | | |

PROACTIVE COMMAND: SEND SS 4.2.2

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 2"

SS String

TON: International

NPI: "ISDN / telephone numbering plan" SS string: "**21*01234567890123456789*10#"

Coding:

| BER-TLV: | D0 | 2D | 81 | 03 | 01 | 11 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 32 | 89 | 10 | 91 | AA | 12 | 0A | 21 |
| | 43 | 65 | 87 | 09 | 21 | 43 | 65 | 87 | A9 | 01 | FB | |

27.22.4.11.4.2.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.2.

27.22.4.11.4.3 SEND SS (support of Text Attribute – Right Alignment)

27.22.4.11.4.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.11.4.3.2 Conformance requirement

The ME shall support the Proactive UICC: Send SS facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.11, clause 6.6.10, clause 8.12.1, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.14, clause 8.31 and clause 6.5.

27.22.4.11.4.3.3 Test purpose

To verify that the ME displays the alpha identifier according to the right alignment text attribute configuration in the SEND SS proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.11.4.3.4 Method of test

27.22.4.11.4.3.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table.

The elementary files are coded as UICC default. Prior to this test the ME shall have been powered on, performed the PROFILE DOWNLOAD procedure and be in updated idle mode on the USS.

27.22.4.11.4.3.4.2 Procedure

Expected Sequence 4.3A (SEND SS, call forward unconditional, all bearers, successful, alpha identifier with Text attribute – Right Alignment)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|----------------------------|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SS 4.3.1 | |
| 2 | L / 0.00 | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | |
| | | SS 4.3.1 | |
| 4 | $ME \rightarrow USER$ | Display "Text Attribute 1" | [Message shall be formatted with right alignment] |
| 5 | $ME \rightarrow USS$ | REGISTER 4.1A | |
| 6 | $USS \to ME$ | RELEASE COMPLETE (SS | [Successful] |
| | | RETURN RESULT) 4.1A | |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | |
| | | SS 4.1.1A | |
| 8 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SS 4.3.2 | |
| 9 | ME → UICC | | |
| 10 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | |
| | | SS 4.3.2 | |
| 11 | $ME \rightarrow USER$ | Display "Text Attribute 2" | [Message shall be formatted with right |
| | | | alignment. Remark: If right alignment is the |
| | | | ME"s default alignment as declared in table A.2/12, no alignment change will take place] |
| 12 | $ME \rightarrow USS$ | REGISTER 4.1A | [A.2/12, 110 alignment change will take place] |
| 13 | USS → ME | RELEASE COMPLETE (SS | [Successful] |
| 13 | | RETURN RESULT) 4.1A | [Ouccessiui] |
| 14 | ME → UICC | TERMINAL RESPONSE: SEND | |
| '¬ | | SS 4.1.1A | |
| L | I | 00 | |

Expected Sequence 4.3B (SEND SS, call forward unconditional, all bearers, successful, alpha identifier with Text attribute – Right Alignment)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SS 4.3.1 | |
| 2 | / 0.00 | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | |
| | | SS 4.3.1 | |
| 4 | | Display "Text Attribute 1" | [Message shall be formatted with right alignment] |
| 5 | $ME \rightarrow USS$ | REGISTER 4.1B | |
| 6 | $USS \to ME$ | RELEASE COMPLETE (SS RETURN RESULT) 4.1B | [Successful] |
| 7 | ME → UICC | TERMINAL RESPONSE: SEND | |
| | | SS 4.1.1B | |
| 8 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SS 4.3.2 | |
| 9 | $ME \rightarrow UICC$ | | |
| 10 | $UICC \to ME$ | PROACTIVE COMMAND: SEND SS 4.3.2 | |
| 11 | ME → USER | | Message shall be formatted with right |
| '' | IVIE → USER | Display Text Attribute 2 | alignment. Remark: If right alignment is the |
| | | | ME"s default alignment as declared in table |
| | | | A.2/12, no alignment change will take place] |
| 12 | $ME \rightarrow USS$ | REGISTER 4.1B | , and 3 is a second control of |
| 13 | $USS \to ME$ | RELEASE COMPLETE (SS | [Successful] |
| | | RETURN RESULT) 4.1B | - |
| 14 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | |
| | | SS 4.1.1B | |

PROACTIVE COMMAND: SEND SS 4.3.1

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 1"

SS String

TON: International

NPI: "ISDN / telephone numbering plan" SS string: "**21*01234567890123456789*10#"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Right Alignment, Normal Font, Bold Off, Italic Off, Underline Off, Strikethrough

Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 33 | 81 | 03 | 01 | 11 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 31 | 89 | 10 | 91 | AA | 12 | 0A | 21 |
| | 43 | 65 | 87 | 09 | 21 | 43 | 65 | 87 | A9 | 01 | FB | D0 |
| | 04 | 00 | 10 | 02 | B4 | | | | | | | |

PROACTIVE COMMAND: SEND SS 4.3.2

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 2"

SS String

TON: International

NPI: "ISDN / telephone numbering plan" SS string: "**21*01234567890123456789*10#"

Coding:

| BER-TLV: | D0 | 2D | 81 | 03 | 01 | 11 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 32 | 89 | 10 | 91 | AA | 12 | 0A | 21 |
| | 43 | 65 | 87 | 09 | 21 | 43 | 65 | 87 | A9 | 01 | FB | |

27.22.4.11.4.3.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.3.

27.22.4.11.4.4 SEND SS (support of Text Attribute – Large Font Size)

27.22.4.11.4.4.1 Definition and applicability

See clause 3.2.2.

27.22.4.11.4.4.2 Conformance requirement

The ME shall support the Proactive UICC: Send SS facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.11, clause 6.6.10, clause 8.12.1, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.14, clause 8.31 and clause 6.5.

27.22.4.11.4.4.3 Test purpose

To verify that the ME displays the alpha identifier according to the large font size text attribute configuration in the SEND SS proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.11.4.4.4 Method of test

27.22.4.11.4.4.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table.

27.22.4.11.4.4.4.2 Procedure

Expected Sequence 4.4A (SEND SS, call forward unconditional, all bearers, successful, alpha identifier with Text attribute – Large Font Size)

| Step | Direction | MESSAGE / Action | Comments |
|------|-------------------------------------|--|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SS 4.4.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND SS 4.4.1 | |
| 4 | $ME \rightarrow USER$ | Display "Text Attribute 1" | [Message shall be formatted with large font size] |
| 5 | $ME \rightarrow USS$ | REGISTER 4.1A | - |
| 6 | $USS \to ME$ | RELEASE COMPLETE (SS RETURN RESULT) 4.1A | [Successful] |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND SS 4.1.1A | |
| 8 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND SS 4.4.2 | |
| 9 | $ME \rightarrow UICC$ | FETCH | |
| 10 | $UICC \to ME$ | PROACTIVE COMMAND: SEND SS 4.4.2 | |
| 11 | $ME \rightarrow USER$ | Display "Text Attribute 2" | [Message shall be formatted with normal font size] |
| 12 | $ME \to USS$ | REGISTER 4.1A | |
| 13 | $USS \to ME$ | RELEASE COMPLETE (SS | [Successful] |
| 14 | ME → UICC | RETURN RESULT) 4.1A TERMINAL RESPONSE: SEND | |
| 15 | $UICC \to ME$ | SS 4.1.1A PROACTIVE COMMAND | |
| 16 | ME → UICC | PENDING: SEND SS 4.4.1 | |
| 17 | $ ME \to OICC $ $ UICC \to ME $ | PROACTIVE COMMAND: SEND | |
| 17 | | ISS 4.4.1 | |
| 18 | $ME \rightarrow USER$ | Display "Text Attribute 1" | [Message shall be formatted with large font size] |
| 19 | $ME \to USS$ | REGISTER 4.1A | - |
| 20 | $USS \to ME$ | RELEASE COMPLETE (SS RETURN RESULT) 4.1A | [Successful] |
| 21 | $ME \rightarrow UICC$ | TERMINAL RESPÓNSE: SEND SS 4.1.1A | |
| 22 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND SS 4.4.3 | |
| 23 | ME → UICC | FETCH | |
| 24 | UICC → ME | PROACTIVE COMMAND: SEND | |
| | 3.00 / | SS 4.4.3 | |
| 25 | $ME \rightarrow USER$ | Display "Text Attribute 3" | [Message shall be formatted with normal font size] |
| 26 | $ME \rightarrow USS$ | REGISTER 4.1A | |
| 27 | $USS \to ME$ | RELEASE COMPLETE (SS RETURN RESULT) 4.1A | [Successful] |
| 28 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND SS 4.1.1A | |

Expected Sequence 4.4B (SEND SS, call forward unconditional, all bearers, successful, alpha identifier with Text attribute – Large Font Size)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| _ | | PENDING: SEND SS 4.4.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND SS 4.4.1 | |
| 4 | $ME \rightarrow USER$ | Display "Text Attribute 1" | [Message shall be formatted with large font size] |
| 5 | $ME \rightarrow USS$ | REGISTER 4.1B | |
| 6 | $USS \to ME$ | RELEASE COMPLETE (SS RETURN RESULT) 4.1B | [Successful] |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND ISS 4.1.1B | |
| 8 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND SS 4.4.2 | |
| 9 | $ME \rightarrow UICC$ | FETCH | |
| 10 | $UICC \to ME$ | PROACTIVE COMMAND: SEND SS 4.4.2 | |
| 11 | $ME \rightarrow USER$ | Display "Text Attribute 2" | [Message shall be formatted with normal font size] |
| 12 | $ME \rightarrow USS$ | REGISTER 4.1B | |
| 13 | $USS \to ME$ | RELEASE COMPLETE (SS RETURN RESULT) 4.1B | [Successful] |
| 14 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND SS 4.1.1B | |
| 15 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND SS 4.4.1 | |
| 16 | $ME \rightarrow UICC$ | FETCH | |
| 17 | $UICC \to ME$ | PROACTIVE COMMAND: SEND SS 4.4.1 | |
| 18 | $ME \rightarrow USER$ | Display "Text Attribute 1" | [Message shall be formatted with large font size] |
| 19 | $ME \rightarrow USS$ | REGISTER 4.1B | |
| 20 | $USS \to ME$ | RELEASE COMPLETE (SS RETURN RESULT) 4.1B | [Successful] |
| 21 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND SS 4.1.1B | |
| 22 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND SS 4.4.3 | |
| 23 | $ME \rightarrow UICC$ | FETCH | |
| 24 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | |
| 25 | $ME \rightarrow USER$ | SS 4.4.3 Display "Text Attribute 3" | [Message shall be formatted with normal font size] |
| 26 | $ME \rightarrow USS$ | REGISTER 4.1B | • |
| 27 | $USS \to ME$ | RELEASE COMPLETE (SS RETURN RESULT) 4.1B | [Successful] |
| 28 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND SS 4.1.1B | |

PROACTIVE COMMAND: SEND SS 4.4.1

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 1"

SS String

TON: International

NPI: "ISDN / telephone numbering plan" SS string: "**21*01234567890123456789*10#"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Large Font, Bold Off, Italic Off, Underline Off, Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 33 | 81 | 03 | 01 | 11 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 31 | 89 | 10 | 91 | AA | 12 | 0A | 21 |
| | 43 | 65 | 87 | 09 | 21 | 43 | 65 | 87 | A9 | 01 | FB | D0 |
| | 04 | 00 | 10 | 04 | B4 | | | | | | | |

PROACTIVE COMMAND: SEND SS 4.4.2

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 2"

SS String

TON: International

NPI: "ISDN / telephone numbering plan" SS string: "**21*01234567890123456789*10#"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off, Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 33 | 81 | 03 | 01 | 11 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 32 | 89 | 10 | 91 | AA | 12 | 0A | 21 |
| | 43 | 65 | 87 | 09 | 21 | 43 | 65 | 87 | A9 | 01 | FB | D0 |
| | 04 | 00 | 10 | 00 | B4 | | | | | | | |

PROACTIVE COMMAND: SEND SS 4.4.3

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 3"

SS String

TON: International

NPI: "ISDN / telephone numbering plan" SS string: "**21*01234567890123456789*10#"

Coding:

| BER-TLV: | D0 | 2D | 81 | 03 | 01 | 11 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 33 | 89 | 10 | 91 | AA | 12 | 0A | 21 |
| | 43 | 65 | 87 | 09 | 21 | 43 | 65 | 87 | A9 | 01 | FB | |

27.22.4.11.4.4.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.4.

27.22.4.11.4.5 SEND SS (support of Text Attribute – Small Font Size)

27.22.4.11.4.5.1 Definition and applicability

See clause 3.2.2.

27.22.4.11.4.5.2 Conformance requirement

The ME shall support the Proactive UICC: Send SS facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.11, clause 6.6.10, clause 8.12.1, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.14, clause 8.31 and clause 6.5.

27.22.4.11.4.5.3 Test purpose

To verify that the ME displays the alpha identifier according to the small font size text attribute configuration in the SEND SS proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.11.4.5.4 Method of test

27.22.4.11.4.5.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table.

27.22.4.11.4.5.4.2 Procedure

Expected Sequence 4.5A (SEND SS, call forward unconditional, all bearers, successful, alpha identifier with Text attribute – Small Font Size)

| Step | Direction | MESSAGE / Action | Comments |
|------|---|--|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SS 4.5.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND SS 4.5.1 | |
| 4 | $ME \rightarrow USER$ | Display "Text Attribute 1" | [Message shall be formatted with small font size] |
| 5 | $ME \rightarrow USS$ | REGISTER 4.1A | |
| 6 | $USS \to ME$ | RELEASE COMPLETE (SS RETURN RESULT) 4.1A | [Successful] |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND SS 4.1.1A | |
| 8 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND SS 4.5.2 | |
| 9 | $ME \rightarrow UICC$ | FETCH | |
| 10 | $UICC \to ME$ | PROACTIVE COMMAND: SEND SS 4.5.2 | |
| 11 | $ME \rightarrow USER$ | Display "Text Attribute 2" | [Message shall be formatted with normal font size] |
| 12 | $ME \rightarrow USS$ | REGISTER 4.1A | |
| 13 | $USS \to ME$ | RELEASE COMPLETE (SS | [Successful] |
| 14 | $ME \rightarrow UICC$ | RETURN RESULT) 4.1A TERMINAL RESPONSE: SEND | |
| 15 | $UICC \to ME$ | SS 4.1.1A PROACTIVE COMMAND | |
| 16 | ME THOO | PENDING: SEND SS 4.5.1 FETCH | |
| 17 | $ME \rightarrow UICC$ $UICC \rightarrow ME$ | PROACTIVE COMMAND: SEND | |
| '' | | ISS 4.5.1 | |
| 18 | $ME \rightarrow USER$ | Display "Text Attribute 1" | [Message shall be formatted with small font size] |
| 19 | $ME \rightarrow USS$ | REGISTER 4.1A | - |
| 20 | $USS \to ME$ | RELEASE COMPLETE (SS RETURN RESULT) 4.1A | [Successful] |
| 21 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND SS 4.1.1A | |
| 22 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND SS 4.5.3 | |
| 23 | $ME \rightarrow UICC$ | FETCH | |
| 24 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | |
| | | SS 4.5.3 | |
| 25 | $ME \rightarrow USER$ | Display "Text Attribute 3" | [Message shall be formatted with normal font size] |
| 26 | $ME \rightarrow USS$ | REGISTER 4.1A | |
| 27 | $USS \to ME$ | RELEASE COMPLETE (SS RETURN RESULT) 4.1A | [Successful] |
| 28 | $ME \rightarrow UICC$ | TERMINAL RESPÓNSE: SEND SS 4.1.1A | |

Expected Sequence 4.5B (SEND SS, call forward unconditional, all bearers, successful, alpha identifier with Text attribute – Small Font Size)

| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
|----|-----------------------|---|--|
| | | | |
| | | PENDING: SEND SS 4.5.1 | |
| 2 | ME → UICC | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND SS 4.5.1 | |
| 4 | $ME \rightarrow USER$ | Display "Text Attribute 1" | [Message shall be formatted with small font size] |
| 5 | $ME \to USS$ | REGISTER 4.1B | _ |
| 6 | $USS \to ME$ | RELEASE COMPLETE (SS | [Successful] |
| 7 | $ME \to UICC$ | RETURN RESULT) 4.1B TERMINAL RESPONSE: SEND SS 4.1.1B | |
| 8 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND SS 4.5.2 | |
| 9 | $ME \rightarrow UICC$ | FETCH | |
| | UICC → ME | PROACTIVE COMMAND: SEND SS 4.5.2 | |
| 11 | $ME \rightarrow USER$ | Display "Text Attribute 2" | [Message shall be formatted with normal font size] |
| 12 | $ME \to USS$ | REGISTER 4.1B | |
| 13 | $USS \to ME$ | RELEASE COMPLETE (SS | [Successful] |
| 14 | $ME \to UICC$ | RETURN RESULT) 4.1B TERMINAL RESPONSE: SEND | |
| 15 | $UICC \to ME$ | SS 4.1.1B PROACTIVE COMMAND PENDING: SEND SS 4.5.1 | |
| 16 | $ME \rightarrow UICC$ | FETCH | |
| 17 | $UICC \to ME$ | PROACTIVE COMMAND: SEND SS 4.5.1 | |
| 18 | $ME \rightarrow USER$ | Display "Text Attribute 1" | [Message shall be formatted with small font size] |
| 19 | $ME \to USS$ | REGISTER 4.1B | |
| 20 | $USS \to ME$ | RELEASE COMPLETE (SS RETURN RESULT) 4.1B | [Successful] |
| 21 | $ME \to UICC$ | TERMINAL RESPONSE: SEND SS 4.1.1B | |
| 22 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND SS 4.5.3 | |
| 23 | $ME \to UICC$ | FETCH | |
| 24 | $UICC \to ME$ | PROACTIVE COMMAND: SEND SS 4.5.3 | |
| 25 | $ME \rightarrow USER$ | Display "Text Attribute 3" | [Message shall be formatted with normal font size] |
| 26 | $ME \to USS$ | REGISTER 4.1B | |
| 27 | $USS \to ME$ | RELEASE COMPLETE (SS | [Successful] |
| 28 | $ME \to UICC$ | RETURN RESULT) 4.1B TERMINAL RESPONSE: SEND SS 4.1.1B | |

PROACTIVE COMMAND: SEND SS 4.5.1

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 1"

SS String

TON: International

NPI: "ISDN / telephone numbering plan" SS string: "**21*01234567890123456789*10#"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Small Font, Bold Off, Italic Off, Underline Off, Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 33 | 81 | 03 | 01 | 11 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 31 | 89 | 10 | 91 | AA | 12 | 0A | 21 |
| | 43 | 65 | 87 | 09 | 21 | 43 | 65 | 87 | A9 | 01 | FB | D0 |
| | 04 | 00 | 10 | 08 | B4 | | | | | | | |

PROACTIVE COMMAND: SEND SS 4.5.2

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 2"

SS String

TON: International

NPI: "ISDN / telephone numbering plan" SS string: "**21*01234567890123456789*10#"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off, Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 33 | 81 | 03 | 01 | 11 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 32 | 89 | 10 | 91 | AA | 12 | 0A | 21 |
| | 43 | 65 | 87 | 09 | 21 | 43 | 65 | 87 | A9 | 01 | FB | D0 |
| | 04 | 00 | 10 | 00 | B4 | | | | | | | |

PROACTIVE COMMAND: SEND SS 4.5.3

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 3"

SS String

TON: International

NPI: "ISDN / telephone numbering plan" SS string: "**21*01234567890123456789*10#"

Coding:

| BER-TLV: | D0 | 2D | 81 | 03 | 01 | 11 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| - | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 33 | 89 | 10 | 91 | AA | 12 | 0A | 21 |
| | 43 | 65 | 87 | 09 | 21 | 43 | 65 | 87 | A9 | 01 | FB | |

27.22.4.11.4.5.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.5.

27.22.4.11.4.6 SEND SS (support of Text Attribute – Bold On)

27.22.4.11.4.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.11.4.6.2 Conformance requirement

The ME shall support the Proactive UICC: Send SS facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.11, clause 6.6.10, clause 8.12.1, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.14, clause 8.31 and clause 6.5.

27.22.4.11.4.6.3 Test purpose

To verify that the ME displays the alpha identifier according to the bold text attribute configuration in the SEND SS proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.11.4.6.4 Method of test

27.22.4.11.4.6.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table.

27.22.4.11.4.6.4.2 Procedure

Expected Sequence 4.6A (SEND SS, call forward unconditional, all bearers, successful, alpha identifier with Text attribute – Bold On)

| Step | Direction | MESSAGE / Action | Comments |
|------|--|--|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SS 4.6.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | |
| | | SS 4.6.1 | |
| 4 | $ME \rightarrow USER$ | Display "Text Attribute 1" | [Message shall be formatted with bold on] |
| 5 | $ME \rightarrow USS$ | REGISTER 4.1A | |
| 6 | $USS \to ME$ | RELEASE COMPLETE (SS | [Successful] |
| _ | | RETURN RESULT) 4.1A | |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | |
| | | SS 4.1.1A | |
| 8 | $UICC \to ME$ | PROACTIVE COMMAND | |
| 9 | ME THEC | PENDING: SEND SS 4.6.2 FETCH | |
| 10 | $ ME \rightarrow UICC $ $ UICC \rightarrow ME$ | PROACTIVE COMMAND: SEND | |
| 10 | | ISS 4.6.2 | |
| 11 | $ME \rightarrow USER$ | Display "Text Attribute 2" | [Message shall be formatted with bold off] |
| 12 | $ME \rightarrow USS$ | REGISTER 4.1A | |
| 13 | $USS \to ME$ | RELEASE COMPLETE (SS | [Successful] |
| | | RETURN RESULT) 4.1À | |
| 14 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | |
| | | SS 4.1.1A | |
| 15 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SS 4.6.1 | |
| 16 | $ME \rightarrow UICC$ | FETCH | |
| 17 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | |
| 40 | | SS 4.6.1 | [Manager and all has former than design had a mail |
| 18 | ME → USER | Display "Text Attribute 1" | [Message shall be formatted with bold on] |
| 19 | ME → USS | REGISTER 4.1A | [0 |
| 20 | $USS \to ME$ | RELEASE COMPLETE (SS | [Successful] |
| 21 | ME LUCC | RETURN RESULT) 4.1A TERMINAL RESPONSE: SEND | |
| 21 | $ME \rightarrow UICC$ | ISS 4.1.1A | |
| 22 | UICC → ME | PROACTIVE COMMAND | |
| | OICC → IVIL | PENDING: SEND SS 4.6.3 | |
| 23 | $ME \rightarrow UICC$ | FETCH | |
| 24 | UICC → ME | PROACTIVE COMMAND: SEND | |
|] | 3.33 / WL | SS 4.6.3 | |
| 25 | $ME \rightarrow USER$ | Display "Text Attribute 3" | [Message shall be formatted with bold off] |
| 26 | $ME \rightarrow USS$ | REGISTER 4.1A | · |
| 27 | $USS \to ME$ | RELEASE COMPLETE (SS | [Successful] |
| | | RETURN RESULT) 4.1A | - |
| 28 | $ME \rightarrow UICC$ | TERMINAL RESPÓNSE: SEND | |
| | | SS 4.1.1A | |

Expected Sequence 4.6B (SEND SS, call forward unconditional, all bearers, successful, alpha identifier with Text attribute – Bold On)

| Step | Direction | MESSAGE / Action | Comments |
|------|---|---------------------------------|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SS 4.6.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | |
| | | SS 4.6.1 | |
| 4 | $ME \rightarrow USER$ | Display "Text Attribute 1" | [Message shall be formatted with bold on] |
| 5 | $ME \rightarrow USS$ | REGISTER 4.1B | |
| 6 | $USS \to ME$ | RELEASE COMPLETE (SS | [Successful] |
| _ | | RETURN RESULT) 4.1B | |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | |
| | 11100 145 | SS 4.1.1B | |
| 8 | $UICC \to ME$ | PROACTIVE COMMAND | |
| 9 | ME LUCC | PENDING: SEND SS 4.6.2 FETCH | |
| 10 | $\begin{array}{c} ME \to UICC \\ UICC \to ME \end{array}$ | PROACTIVE COMMAND: SEND | |
| 10 | OICC → IVIE | SS 4.6.2 | |
| 11 | ME → USER | Display "Text Attribute 2" | [Message shall be formatted with bold off] |
| 12 | ME → USS | REGISTER 4.1B | [|
| 13 | USS → ME | RELEASE COMPLETE (SS | [Successful] |
| | OCC / IVIE | RETURN RESULT) 4.1B | [Cussessia.] |
| 14 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | |
| | | SS 4.1.1B | |
| 15 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SS 4.6.1 | |
| 16 | $ME \rightarrow UICC$ | FETCH | |
| 17 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | |
| | | SS 4.6.1 | |
| 18 | $ME \rightarrow USER$ | Display "Text Attribute 1" | [Message shall be formatted with bold on] |
| 19 | $ME \rightarrow USS$ | REGISTER 4.1B | |
| 20 | $USS \to ME$ | RELEASE COMPLETE (SS | [Successful] |
| 0.4 | | RETURN RESULT) 4.1B | |
| 21 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | |
| 22 | LUCC ME | SS 4.1.1B PROACTIVE COMMAND | |
| 22 | $UICC \to ME$ | PENDING: SEND SS 4.6.3 | |
| 23 | ME → UICC | FETCH | |
| 24 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | |
| | | ISS 4.6.3 | |
| 25 | $ME \rightarrow USER$ | Display "Text Attribute 3" | [Message shall be formatted with bold off] |
| 26 | ME → USS | REGISTER 4.1B | |
| 27 | USS → ME | RELEASE COMPLETE (SS | [Successful] |
|] | 500 / WIL | RETURN RESULT) 4.1B | |
| 28 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | |
| | | SS 4.1.1B | |

PROACTIVE COMMAND: SEND SS 4.6.1

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 1"

SS String

TON: International

NPI: "ISDN / telephone numbering plan" SS string: "**21*01234567890123456789*10#"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold On, Italic Off, Underline Off, Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 33 | 81 | 03 | 01 | 11 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 31 | 89 | 10 | 91 | AA | 12 | 0A | 21 |
| | 43 | 65 | 87 | 09 | 21 | 43 | 65 | 87 | A9 | 01 | FB | D0 |
| | 04 | 00 | 10 | 10 | B4 | | | | | | | |

PROACTIVE COMMAND: SEND SS 4.6.2

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 2"

SS String

TON: International

NPI: "ISDN / telephone numbering plan" SS string: "**21*01234567890123456789*10#"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off, Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 33 | 81 | 03 | 01 | 11 | 00 | 82 | 02 | 21 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| DER-ILV. | טט | SS | 01 | 03 | UI | 11 | UU | 02 | 02 | 01 | 03 | ဝ၁ |
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 32 | 89 | 10 | 91 | AA | 12 | 0A | 21 |
| | 43 | 65 | 87 | 09 | 21 | 43 | 65 | 87 | A9 | 01 | FB | D0 |
| | 04 | 00 | 10 | 00 | B4 | | | | | | | |

PROACTIVE COMMAND: SEND SS 4.6.3

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 3"

SS String

TON: International

NPI: "ISDN / telephone numbering plan" SS string: "**21*01234567890123456789*10#"

Coding:

| BER-TLV: | D0 | 2D | 81 | 03 | 01 | 11 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 33 | 89 | 10 | 91 | AA | 12 | 0A | 21 |
| | 43 | 65 | 87 | 09 | 21 | 43 | 65 | 87 | Α9 | 01 | FB | |

27.22.4.11.4.6.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.6.

27.22.4.11.4.7 SEND SS (support of Text Attribute – Italic On)

27.22.4.11.4.7.1 Definition and applicability

See clause 3.2.2.

27.22.4.11.4.7.2 Conformance requirement

The ME shall support the Proactive UICC: Send SS facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.11, clause 6.6.10, clause 8.12.1, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.14, clause 8.31 and clause 6.5.

27.22.4.11.4.7.3 Test purpose

To verify that the ME displays the alpha identifier according to the italic text attribute configuration in the SEND SS proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.11.4.7.4 Method of test

27.22.4.11.4.7.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table.

27.22.4.11.4.7.4.2 Procedure

Expected Sequence 4.7A (SEND SS, call forward unconditional, all bearers, successful, alpha identifier with Text attribute – Italic On)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SS 4.7.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | |
| | | SS 4.7.1 | |
| 4 | $ME \rightarrow USER$ | Display "Text Attribute 1" | [Message shall be formatted with italic on] |
| 5 | $ME \rightarrow USS$ | REGISTER 4.1A | |
| 6 | $USS \to ME$ | RELEASE COMPLETE (SS | [Successful] |
| _ | | RETURN RESULT) 4.1A | |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | |
| 8 | LUCC ME | SS 4.1.1A PROACTIVE COMMAND | |
| ° | $UICC \to ME$ | PENDING: SEND SS 4.7.2 | |
| 9 | ME → UICC | FETCH | |
| 10 | $UICC \rightarrow ME$ | PROACTIVE COMMAND: SEND | |
| 10 | | ISS 4.7.2 | |
| 11 | $ME \rightarrow USER$ | Display "Text Attribute 2" | [Message shall be formatted with italic off] |
| 12 | ME → USS | REGISTER 4.1A | [|
| 13 | $USS \to ME$ | RELEASE COMPLETE (SS | [Successful] |
| | 7 | RETURN RESULT) 4.1A | |
| 14 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | |
| | | SS 4.1.1A | |
| 15 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SS 4.7.1 | |
| 16 | $ME \rightarrow UICC$ | FETCH | |
| 17 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | |
| 40 | | SS 4.7.1 | FA |
| 18 | ME → USER | Display "Text Attribute 1" | [Message shall be formatted with italic on] |
| 19 | ME → USS | REGISTER 4.1A | 10 (1) |
| 20 | $USS \to ME$ | RELEASE COMPLETE (SS | [Successful] |
| 21 | ME LUCC | RETURN RESULT) 4.1A TERMINAL RESPONSE: SEND | |
| 21 | $ME \rightarrow UICC$ | ISS 4.1.1A | |
| 22 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SS 4.7.3 | |
| 23 | $ME \rightarrow UICC$ | FETCH | |
| 24 | UICC → ME | PROACTIVE COMMAND: SEND | |
| | 5.55 / ME | SS 4.7.3 | |
| 25 | $ME \rightarrow USER$ | Display "Text Attribute 3" | [Message shall be formatted with italic off] |
| 26 | $ME \to USS$ | REGISTER 4.1A | - |
| 27 | $USS \to ME$ | RELEASE COMPLETE (SS | [Successful] |
| | | RETURN RESULT) 4.1A | - |
| 28 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | |
| | | SS 4.1.1A | |

Expected Sequence 4.7B (SEND SS, call forward unconditional, all bearers, successful, alpha identifier with Text attribute – Italic On)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SS 4.7.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | |
| | | SS 4.7.1 | |
| 4 | $ME \rightarrow USER$ | Display "Text Attribute 1" | [Message shall be formatted with italic on] |
| 5 | $ME \rightarrow USS$ | REGISTER 4.1B | |
| 6 | $USS \to ME$ | RELEASE COMPLETE (SS | [Successful] |
| _ | | RETURN RESULT) 4.1B | |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | |
| | | SS 4.1.1B | |
| 8 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | ME 11100 | PENDING: SEND SS 4.7.2 | |
| 9 | ME → UICC | FETCH | |
| 10 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | |
| 11 | ME LICED | SS 4.7.2 | [Message shall be formatted with italic off] |
| 12 | ME → USER | Display "Text Attribute 2" REGISTER 4.1B | [Message shall be formatted with Italic on] |
| 13 | ME → USS | RELEASE COMPLETE (SS | [Successful] |
| 13 | $USS \to ME$ | RETURN RESULT) 4.1B | [Successiui] |
| 14 | ME → UICC | TERMINAL RESPONSE: SEND | |
| 14 | INIE - DICC | ISS 4.1.1B | |
| 15 | $UICC \to ME$ | PROACTIVE COMMAND | |
| 10 | OICC IVIL | PENDING: SEND SS 4.7.1 | |
| 16 | $ME \rightarrow UICC$ | FETCH | |
| 17 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | |
| | 0.00 / | SS 4.7.1 | |
| 18 | $ME \rightarrow USER$ | Display "Text Attribute 1" | [Message shall be formatted with italic on] |
| 19 | $ME \rightarrow USS$ | REGISTER 4.1B | |
| 20 | $USS \to ME$ | RELEASE COMPLETE (SS | [Successful] |
| | | RETURN RESULT) 4.1B | |
| 21 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | |
| | | SS 4.1.1B | |
| 22 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SS 4.7.3 | |
| 23 | $ME \rightarrow UICC$ | FETCH | |
| 24 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | |
| 0.5 | | SS 4.7.3 | |
| 25 | ME → USER | Display "Text Attribute 3" | [Message shall be formatted with italic off] |
| 26 | $ME \rightarrow USS$ | REGISTER 4.1B | |
| 27 | $USS \to ME$ | RELEASE COMPLETE (SS | [Successful] |
| | | RETURN RESULT) 4.1B | |
| 28 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | |
| | | SS 4.1.1B | |

PROACTIVE COMMAND: SEND SS 4.7.1

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 1"

SS String

TON: International

NPI: "ISDN / telephone numbering plan" SS string: "**21*01234567890123456789*10#"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic On, Underline Off, Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 33 | 81 | 03 | 01 | 11 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 31 | 89 | 10 | 91 | AA | 12 | 0A | 21 |
| | 43 | 65 | 87 | 09 | 21 | 43 | 65 | 87 | A9 | 01 | FB | D0 |
| | 04 | 00 | 10 | 20 | B4 | | | | | | | |

PROACTIVE COMMAND: SEND SS 4.7.2

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 2"

SS String

TON: International

NPI: "ISDN / telephone numbering plan" SS string: "**21*01234567890123456789*10#"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off, Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 33 | 81 | 03 | 01 | 11 | 00 | 82 | 02 | 21 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| DER-ILV. | טט | SS | 01 | 03 | UI | 11 | UU | 02 | 02 | 01 | 03 | ဝ၁ |
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 32 | 89 | 10 | 91 | AA | 12 | 0A | 21 |
| | 43 | 65 | 87 | 09 | 21 | 43 | 65 | 87 | A9 | 01 | FB | D0 |
| | 04 | 00 | 10 | 00 | B4 | | | | | | | |

PROACTIVE COMMAND: SEND SS 4.7.3

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 3"

SS String

TON: International

NPI: "ISDN / telephone numbering plan" SS string: "**21*01234567890123456789*10#"

Coding:

| BER-TLV: | D0 | 2D | 81 | 03 | 01 | 11 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 33 | 89 | 10 | 91 | AA | 12 | 0A | 21 |
| | 43 | 65 | 87 | 09 | 21 | 43 | 65 | 87 | Α9 | 01 | FB | |

27.22.4.11.4.7.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.7.

27.22.4.11.4.8 SEND SS (support of Text Attribute – Underline On)

27.22.4.11.4.8.1 Definition and applicability

See clause 3.2.2.

27.22.4.11.4.8.2 Conformance requirement

The ME shall support the Proactive UICC: Send SS facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.11, clause 6.6.10, clause 8.12.1, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.14, clause 8.31 and clause 6.5.

27.22.4.11.4.8.3 Test purpose

To verify that the ME displays the alpha identifier according to the underline text attribute configuration in the SEND SS proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.11.4.8.4 Method of test

27.22.4.11.4.8.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table.

27.22.4.11.4.8.4.2 Procedure

Expected Sequence 4.8A (SEND SS, call forward unconditional, all bearers, successful, alpha identifier with Text attribute – Underline On)

| Step | Direction | MESSAGE / Action | Comments |
|----------|-----------------------|---|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SS 4.8.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | |
| | | SS 4.8.1 | |
| 4 | $ME \rightarrow USER$ | Display "Text Attribute 1" | [Message shall be formatted with underline |
| _ | | DECICTED 4.4A | on] |
| 5 | ME → USS | REGISTER 4.1A | |
| 6 | $USS \to ME$ | RELEASE COMPLETE (SS | [Successful] |
| 7 | ME LUCC | RETURN RESULT) 4.1A | |
| ′ | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND ISS 4.1.1A | |
| 8 | UICC → ME | PROACTIVE COMMAND | |
| | OICC IVIL | PENDING: SEND SS 4.8.2 | |
| 9 | $ME \rightarrow UICC$ | FETCH | |
| 10 | UICC → ME | PROACTIVE COMMAND: SEND | |
| | | SS 4.8.2 | |
| 11 | $ME \rightarrow USER$ | Display "Text Attribute 2" | [Message shall be formatted with underline |
| | | | off] |
| 12 | $ME \rightarrow USS$ | REGISTER 4.1A | |
| 13 | $USS \to ME$ | RELEASE COMPLETE (SS | [Successful] |
| 14 | ME | RETURN RESULT) 4.1A | |
| 14 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND ISS 4.1.1A | |
| 15 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | OICC - WIL | PENDING: SEND SS 4.8.1 | |
| 16 | $ME \rightarrow UICC$ | FETCH | |
| 17 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | |
| | | SS 4.8.1 | |
| 18 | $ME \rightarrow USER$ | Display "Text Attribute 1" | [Message shall be formatted with underline |
| 4.0 | | DE01075D 4.44 | on] |
| 19 | ME → USS | REGISTER 4.1A | 10 (1) |
| 20 | $USS \to ME$ | RELEASE COMPLETE (SS RETURN RESULT) 4.1A | [Successful] |
| 21 | ME → UICC | TERMINAL RESPONSE: SEND | |
| 21 | INIE → DICC | ISS 4.1.1A | |
| 22 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | 0.00 /2 | PENDING: SEND SS 4.8.3 | |
| 23 | $ME \rightarrow UICC$ | FETCH | |
| 24 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | |
| | | SS 4.8.3 | |
| 25 | $ME \rightarrow USER$ | Display "Text Attribute 3" | [Message shall be formatted with underline |
| 26 | ME | DECISTED 4.1A | off] |
| 26 27 | ME → USS | REGISTER 4.1A | [Successful] |
| 21 | $USS \to ME$ | RELEASE COMPLETE (SS RETURN RESULT) 4.1A | [Successful] |
| 28 | ME → UICC | TERMINAL RESPONSE: SEND | |
| | / 0.00 | SS 4.1.1A | |

Expected Sequence 4.8B (SEND SS, call forward unconditional, all bearers, successful, alpha identifier with Text attribute – Underline On)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SS 4.8.1 | |
| 2 | ME → UICC | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND SS 4.8.1 | |
| 4 | $ME \rightarrow USER$ | Display "Text Attribute 1" | [Message shall be formatted with underline on] |
| 5 | $ME \to USS$ | REGISTER 4.1B | |
| 6 | $USS \to ME$ | RELEASE COMPLETE (SS RETURN RESULT) 4.1B | [Successful] |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND SS 4.1.1B | |
| 8 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND SS 4.8.2 | |
| 9 | $ME \rightarrow UICC$ | FETCH | |
| 10 | $UICC \to ME$ | PROACTIVE COMMAND: SEND SS 4.8.2 | |
| 11 | $ME \rightarrow USER$ | Display "Text Attribute 2" | [Message shall be formatted with underline off] |
| 12 | $ME \rightarrow USS$ | REGISTER 4.1B | 1 |
| 13 | $USS \to ME$ | RELEASE COMPLETE (SS RETURN RESULT) 4.1B | [Successful] |
| 14 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND SS 4.1.1B | |
| 15 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND SS 4.8.1 | |
| 16 | $ME \rightarrow UICC$ | FETCH | |
| 17 | $UICC \to ME$ | PROACTIVE COMMAND: SEND SS 4.8.1 | |
| 18 | $ME \rightarrow USER$ | Display "Text Attribute 1" | [Message shall be formatted with underline on] |
| 19 | $ME \rightarrow USS$ | REGISTER 4.1B | |
| 20 | $USS \to ME$ | RELEASE COMPLETE (SS RETURN RESULT) 4.1B | [Successful] |
| 21 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND SS 4.1.1B | |
| 22 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND SS 4.8.3 | |
| 23 | $ME \rightarrow UICC$ | FETCH | |
| 24 | $UICC \to ME$ | PROACTIVE COMMAND: SEND SS 4.8.3 | |
| 25 | $ME \rightarrow USER$ | Display "Text Attribute 3" | [Message shall be formatted with underline off] |
| 26 | $ME \rightarrow USS$ | REGISTER 4.1B | _ |
| 27 | $USS \to ME$ | RELEASE COMPLETE (SS | [Successful] |
| 28 | $ME \rightarrow UICC$ | RETURN RESULT) 4.1B TERMINAL RESPONSE: SEND SS 4.1.1B | |

PROACTIVE COMMAND: SEND SS 4.8.1

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 1"

SS String

TON: International

NPI: "ISDN / telephone numbering plan" SS string: "**21*01234567890123456789*10#"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline On, Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 33 | 81 | 03 | 01 | 11 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 31 | 89 | 10 | 91 | AA | 12 | 0A | 21 |
| | 43 | 65 | 87 | 09 | 21 | 43 | 65 | 87 | A9 | 01 | FB | D0 |
| | 04 | 00 | 10 | 40 | B4 | | | | | | | |

PROACTIVE COMMAND: SEND SS 4.8.2

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 2"

SS String

TON: International

NPI: "ISDN / telephone numbering plan" SS string: "**21*01234567890123456789*10#"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off, Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 33 | 81 | 03 | 01 | 11 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 32 | 89 | 10 | 91 | AA | 12 | 0A | 21 |
| | 43 | 65 | 87 | 09 | 21 | 43 | 65 | 87 | A9 | 01 | FB | D0 |
| | 04 | 00 | 10 | 00 | B4 | | | | | | | |

PROACTIVE COMMAND: SEND SS 4.8.3

Logically:

Command details

Command number:

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 3"

SS String

TON: International

NPI: "ISDN / telephone numbering plan" SS string: "**21*01234567890123456789*10#"

Coding:

| BER-TLV: | D0 | 2D | 81 | 03 | 01 | 11 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 33 | 89 | 10 | 91 | AA | 12 | 0A | 21 |
| | 43 | 65 | 87 | 09 | 21 | 43 | 65 | 87 | A9 | 01 | FB | |

27.22.4.11.4.8.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.8.

27.22.4.11.4.9 SEND SS (support of Text Attribute – Strikethrough On)

27.22.4.11.4.9.1 Definition and applicability

See clause 3.2.2.

27.22.4.11.4.9.2 Conformance requirement

The ME shall support the Proactive UICC: Send SS facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.11, clause 6.6.10, clause 8.12.1, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.14, clause 8.31 and clause 6.5.

27.22.4.11.4.9.3 Test purpose

To verify that the ME displays the alpha identifier according to the strikethrough text attribute configuration in the SEND SS proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.11.4.9.4 Method of test

27.22.4.11.4.9.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table.

27.22.4.11.4.9.4.2 Procedure

Expected Sequence 4.9A (SEND SS, call forward unconditional, all bearers, successful, alpha identifier with Text attribute – Strikethrough On)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SS 4.9.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | |
| | | SS 4.9.1 | |
| 4 | $ME \rightarrow USER$ | Display "Text Attribute 1" | [Message shall be formatted with |
| | | | strikethrough on] |
| 5 | $ME \to USS$ | REGISTER 4.1A | |
| 6 | $USS \to ME$ | RELEASE COMPLETE (SS | [Successful] |
| | | RETURN RESULT) 4.1A | |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | |
| | | SS 4.1.1A | |
| 8 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SS 4.9.2 | |
| 9 | ME → UICC | FETCH | |
| 10 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | |
| 11 | ME LICED | SS 4.9.2 Display "Text Attribute 2" | [Massage shall be formatted with |
| '' | $ME \rightarrow USER$ | Display Text Attribute 2 | [Message shall be formatted with strikethrough off] |
| 12 | ME → USS | REGISTER 4.1A | Striketiriougirionj |
| 13 | USS → ME | RELEASE COMPLETE (SS | [Successful] |
| 13 | 033 → IVIL | RETURN RESULT) 4.1A | [Odocessiai] |
| 14 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | |
| '' | WE 70100 | SS 4.1.1A | |
| 15 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SS 4.9.1 | |
| 16 | $ME \rightarrow UICC$ | FETCH | |
| 17 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | |
| | | SS 4.9.1 | |
| 18 | $ME \rightarrow USER$ | Display "Text Attribute 1" | [Message shall be formatted with |
| | | | strikethrough on] |
| 19 | $ME \rightarrow USS$ | REGISTER 4.1A | |
| 20 | $USS \to ME$ | RELEASE COMPLETE (SS | [Successful] |
| 0.4 | | RETURN RESULT) 4.1A | |
| 21 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | |
| 22 | LUCC ME | SS 4.1.1A | |
| | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND SS 4.9.3 | |
| 23 | ME → UICC | FETCH | |
| 24 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | |
| | | ISS 4.9.3 | |
| 25 | ME → USER | Display "Text Attribute 3" | Message shall be formatted with |
| | WIL / OOLK | | strikethrough off] |
| 26 | $ME \to USS$ | REGISTER 4.1A | |
| 27 | USS → ME | RELEASE COMPLETE (SS | [Successful] |
| | | RETURN RESULT) 4.1A | j |
| 28 | $ME \rightarrow UICC$ | TERMINAL RESPÓNSE: SEND | |
| | | SS 4.1.1A | |

Expected Sequence 4.9B (SEND SS, call forward unconditional, all bearers, successful, alpha identifier with Text attribute – Strikethrough On)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| _ | | PENDING: SEND SS 4.9.1 | |
| 2 | ME → UICC | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND SS 4.9.1 | |
| 4 | $ME \rightarrow USER$ | Display "Text Attribute 1" | [Message shall be formatted with strikethrough on] |
| 5 | $ME \to USS$ | REGISTER 4.1B | |
| 6 | $USS \to ME$ | RELEASE COMPLETE (SS | [Successful] |
| _ | | RETURN RESULT) 4.1B | |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND ISS 4.1.1B | |
| 8 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SS 4.9.2 | |
| 9 | $ME \rightarrow UICC$ | FETCH | |
| 10 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | |
| | | SS 4.9.2 | |
| 11 | $ME \rightarrow USER$ | Display "Text Attribute 2" | [Message shall be formatted with |
| 40 | ME LIGO | DECICIED 44D | strikethrough off] |
| 12 | ME → USS | REGISTER 4.1B | [Cupposeful] |
| 13 | $USS \to ME$ | RELEASE COMPLETE (SS RETURN RESULT) 4.1B | [Successful] |
| 14 | ME → UICC | TERMINAL RESPONSE: SEND | |
| | / 0100 | SS 4.1.1B | |
| 15 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SS 4.9.1 | |
| 16 | ME → UICC | FETCH | |
| 17 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | |
| 18 | $ME \rightarrow USER$ | SS 4.9.1 Display "Text Attribute 1" | [Message shall be formatted with |
| 10 | IVIE → USEK | Display Text Attribute 1 | strikethrough on] |
| 19 | $ME \rightarrow USS$ | REGISTER 4.1B | ooug o |
| 20 | $USS \to ME$ | RELEASE COMPLETE (SS | [Successful] |
| | | RETURN RESULT) 4.1B | |
| 21 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | |
| 22 | LUCO ME | SS 4.1.1B | |
| 22 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND SS 4.9.3 | |
| 23 | ME → UICC | FETCH | |
| 24 | UICC → ME | PROACTIVE COMMAND: SEND | |
| | 3.00 / WL | SS 4.9.3 | |
| 25 | $ME \rightarrow USER$ | Display "Text Attribute 3" | [Message shall be formatted with |
| | | | strikethrough off] |
| 26 | $ME \rightarrow USS$ | REGISTER 4.1B | |
| 27 | $USS \to ME$ | RELEASE COMPLETE (SS | [Successful] |
| 28 | ME LUCC | RETURN RESULT) 4.1B TERMINAL RESPONSE: SEND | |
| 20 | $ME \rightarrow UICC$ | SS 4.1.1B | |
| | 1 | 00 | |

PROACTIVE COMMAND: SEND SS 4.9.1

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 1"

SS String

TON: International

NPI: "ISDN / telephone numbering plan" SS string: "**21*01234567890123456789*10#"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off, Strikethrough On

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 33 | 81 | 03 | 01 | 11 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 31 | 89 | 10 | 91 | AA | 12 | 0A | 21 |
| | 43 | 65 | 87 | 09 | 21 | 43 | 65 | 87 | A9 | 01 | FB | D0 |
| | 04 | 00 | 10 | 80 | B4 | | | | | | | |

PROACTIVE COMMAND: SEND SS 4.9.2

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 2"

SS String

TON: International

NPI: "ISDN / telephone numbering plan" SS string: "**21*01234567890123456789*10#"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 33 | 81 | 03 | 01 | 11 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| '- | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 32 | 89 | 10 | 91 | AA | 12 | 0A | 21 |
| | 43 | 65 | 87 | 09 | 21 | 43 | 65 | 87 | A9 | 01 | FB | D0 |
| | 04 | 00 | 10 | 00 | B4 | | | | | | | |

PROACTIVE COMMAND: SEND SS 4.9.3

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 3"

SS String

TON: International

NPI: "ISDN / telephone numbering plan" SS string: "**21*01234567890123456789*10#"

Coding:

| BER-TLV: | D0 | 2D | 81 | 03 | 01 | 11 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 33 | 89 | 10 | 91 | AA | 12 | 0A | 21 |
| | 43 | 65 | 87 | 09 | 21 | 43 | 65 | 87 | A9 | 01 | FB | |

27.22.4.11.4.9.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.9.

27.22.4.11.4.10 SEND SS (support of Text Attribute – Foreground and Background Colour)

27.22.4.11.4.10.1 Definition and applicability

See clause 3.2.2.

27.22.4.11.4.10.2 Conformance requirement

The ME shall support the Proactive UICC: Send SS facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.11, clause 6.6.10, clause 8.12.1, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.14, clause 8.31 and clause 6.5.

27.22.4.11.4.10.3 Test purpose

To verify that the ME displays the alpha identifier according to the foreground and background colour text attribute configuration in the SEND SS proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.11.4.10.4 Method of test

27.22.4.11.4.10.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table.

27.22.4.11.4.10.4.2 Procedure

Expected Sequence 4.10A (SEND SS, call forward unconditional, all bearers, successful, alpha identifier with Text attribute – Foreground and Background Colour)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND SS 4.10.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND SS 4.10.1 | |
| 4 | ME → USER | Display "Text Attribute 1" | [Message shall be formatted with foreground and background colour according to text attribute configuration] |
| 5 | $ME \to USS$ | REGISTER 4.1A | |
| 6 | $USS \to ME$ | RELEASE COMPLETE (SS RETURN RESULT) 4.1A | [Successful] |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND SS 4.1.1A | |
| 8 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND SS 4.10.2 | |
| 9 | $ME \rightarrow UICC$ | FETCH | |
| 10 | $UICC \to ME$ | PROACTIVE COMMAND: SEND SS 4.10.2 | |
| 11 | $ME \rightarrow USER$ | Display "Text Attribute 2" | [Message shall be formatted with ME"s default foreground and background colour] |
| 12 | $ME \to USS$ | REGISTER 4.1A | |
| 13 | $USS \to ME$ | RELEASE COMPLETE (SS RETURN RESULT) 4.1A | [Successful] |
| 14 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND SS 4.1.1A | |

Expected Sequence 4.10B (SEND SS, call forward unconditional, all bearers, successful, alpha identifier with Text attribute – Foreground and Background Colour)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|----------------------------|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SS 4.10.1 | |
| 2 | $ME \rightarrow UICC$ | | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | |
| | | SS 4.10.1 | |
| 4 | $ME \rightarrow USER$ | Display "Text Attribute 1" | [Message shall be formatted with foreground |
| | | | and background colour according to text |
| _ | ME | DECICTED 4 4D | attribute configuration] |
| 5 | | REGISTER 4.1B | |
| 6 | $USS \to ME$ | RELEASE COMPLETE (SS | [Successful] |
| _ | | RETURN RESULT) 4.1B | |
| 7 | $ME \rightarrow UICC$ | | |
| | 11100 145 | SS 4.1.1B | |
| 8 | $UICC \to ME$ | PROACTIVE COMMAND | |
| 0 | ME LUCC | PENDING: SEND SS 4.10.2 | |
| 9 | ME → UICC | | |
| 10 | $DICC \to ME$ | PROACTIVE COMMAND: SEND | |
| | | SS 4.10.2 | [58.4 |
| 11 | ME → USER | Display "Text Attribute 2" | [Message shall be formatted with ME"s |
| 40 | ME LIGO | DECICTED 4 4D | default foreground and background colour] |
| 12 | | REGISTER 4.1B | 10 (1) |
| 13 | $USS \to ME$ | RELEASE COMPLETE (SS | [Successful] |
| 4.4 | | RETURN RESULT) 4.1B | |
| 14 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | |
| | | SS 4.1.1B | |

PROACTIVE COMMAND: SEND SS 4.10.1

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 1"

SS String

TON: International

NPI: "ISDN / telephone numbering plan" SS string: "**21*01234567890123456789*10#"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 33 | 81 | 03 | 01 | 11 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 31 | 89 | 10 | 91 | AA | 12 | 0A | 21 |
| | 43 | 65 | 87 | 09 | 21 | 43 | 65 | 87 | A9 | 01 | FB | D0 |
| | 04 | 00 | 10 | 00 | B4 | | | | | | | |

PROACTIVE COMMAND: SEND SS 4.10.2

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 2"

SS String

TON: International

NPI: "ISDN / telephone numbering plan" SS string: "**21*01234567890123456789*10#"

Coding:

| BER-TLV: | D0 | 2D | 81 | 03 | 01 | 11 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 32 | 89 | 10 | 91 | AA | 12 | 0A | 21 |
| | 43 | 65 | 87 | 09 | 21 | 43 | 65 | 87 | A9 | 01 | FB | |

27.22.4.11.4.10.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.10.

27.22.4.11.5 SEND SS (UCS2 display in Chinese)

27.22.4.11.5.1 Definition and applicability

See clause 3.2.2.

27.22.4.11.5.2 Conformance requirement

The ME shall support the Proactive UICC: SEND SHORT MESSAGE facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.11, clause 6.6.10, clause 8.12.1, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.14, clause 8.31 and clause 6.5

Additionnally, the ME shall support the UCS2 facility for the coding of the Chinese characters, as defined in: ISO/IEC 10646 [17].

27.22.4.11.5.3 Test purpose

To verify that the ME displays the UCS2 text contained in the SEND SS proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.11.5.4 Method of test

27.22.4.11.5.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table. The elementary files are coded as USIM Application Toolkit default. Prior to this test the ME shall have been powered on, performed the PROFILE DOWNLOAD procedure and be in updated idle mode on the USS.

27.22.4.11.5.4.2 Procedure

Expected Sequence 5.1A (SEND SS, call forward unconditional, all bearers, successful, UCS2 text in Chinese)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|-------------------------|----------------------------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SS 5.1.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | |
| | | SS 5.1.1 | |
| 4 | $ME \to USER$ | Display "你好" | ["Hello" in Chinese] |
| 5 | $ME \to USS$ | REGISTER 5.1A | |
| 6 | $USS \to ME$ | RELEASE COMPLETE (SS | [Successful] |
| | | RETURN RESULT) 5.1A | - |
| 7 | $ME \to UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| | | SS 5.1.1A | |

Expected Sequence 5.1B (SEND SS, call forward unconditional, all bearers, successful, UCS2 text in Chinese)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|-------------------------|----------------------------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SS 5.1.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | |
| | | SS 5.1.1 | |
| 4 | $ME \rightarrow USER$ | Display "你好" | ["Hello" in Chinese] |
| 5 | $ME \to USS$ | REGISTER 5.1B | |
| 6 | $USS \to ME$ | RELEASE COMPLETE (SS | [Successful] |
| | | RETURN RESULT) 5.1B | - |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| | | SS 5.1.1B | |

PROACTIVE COMMAND: SEND SS 5.1.1

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha Identifier

Data coding scheme: UCS2 (16bit)

Text: "你好"

SS String

TON: International

NPI: "ISDN / telephone numbering plan" SS string: "**21*01234567890123456789*10#"

Coding:

| BER-TLV: | D0 | 22 | 81 | 03 | 01 | 11 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 05 | 80 | 4F | 60 | 59 | 7D | 89 | 10 | 91 | AA | 12 | 0A |
| | 21 | 43 | 65 | 87 | 09 | 21 | 43 | 65 | 87 | A9 | 01 | FB |

REGISTER 5.1A

Same as cl 27.22.4.11.1.4.2 REGISTER 1.1A

REGISTER 5.1B

Same as cl 27.22.4.11.1.4.2 REGISTER 1.1B

RELEASE COMPLETE (SS RETURN RESULT) 5.1A

Same as cl 27.22.4.11.1.4.2 RELEASE COMPLETE (SS RETURN RESULT) 1.1A

RELEASE COMPLETE (SS RETURN RESULT) 5.1B

Same as cl 27.22.4.11.1.4.2 RELEASE COMPLETE (SS RETURN RESULT) 1.1B

TERMINAL RESPONSE: SEND SS 5.1.1A

Same as cl 27.22.4.11.1.4.2 TERMINAL RESPONSE: SEND SS 1.1.1A

TERMINAL RESPONSE: SEND SS 5.1.1B

Same as cl 27.22.4.11.1.4.2 TERMINAL RESPONSE: SEND SS 1.1.1B

27.22.4.11.5.5 Test requirement

The ME shall operate in the manner defined in expected sequence 5.1.

27.22.4.11.6 SEND SS (UCS2 display in Katakana)

27.22.4.11.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.11.6.2 Conformance requirement

The ME shall support the Proactive UICC: SEND SHORT MESSAGE facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.11, clause 6.6.10, clause 8.12.1, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.14, clause 8.31 and clause 6.5

Additionnally, the ME shall support the UCS2 facility for the coding of the Katakana characters, as defined in: ISO/IEC 10646 [17].

27.22.4.11.6.3 Test purpose

To verify that the ME displays the UCS2 text contained in the SEND SS proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.11.6.4 Method of test

27.22.4.11.6.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table. The elementary files are coded as USIM Application Toolkit default. Prior to this test the ME shall have been powered on, performed the PROFILE DOWNLOAD procedure and be in updated idle mode on the USS.

27.22.4.11.6.4.2 Procedure

Expected Sequence 6.1A (SEND SS, call forward unconditional, all bearers, successful, UCS2 text in Katakana)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|-------------------------|----------------------------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SS 6.1.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | |
| | | SS 6.1.1 | |
| 4 | $ME \rightarrow USER$ | Display "ル" | [Character in Katakana] |
| 5 | $ME \to USS$ | REGISTER 6.1A | |
| 6 | $USS \to ME$ | RELEASE COMPLETE (SS | [Successful] |
| | | RETURN RESULT) 6.1A | |
| 7 | $ME \to UICC$ | TERMINAL RESPÓNSE: SEND | [Command performed successfully] |
| | | SS 6.1.1A | |

Expected Sequence 6.1B (SEND SS, call forward unconditional, all bearers, successful, UCS2 text in Katakana)

| Step | Direction | MESSAGE / Action | Comments |
|------|---------------|-------------------------|----------------------------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND SS 6.1.1 | |
| 2 | $ME \to UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | |
| | | SS 6.1.1 | |
| 4 | $ME \to USER$ | Display "ル" | [Character in Katakana] |
| 5 | $ME \to USS$ | REGISTER 6.1B | |
| 6 | $USS \to ME$ | RELEASE COMPLETE (SS | [Successful] |
| | | RETURN RESULT) 6.1B | |
| 7 | $ME \to UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| | | SS 6.1.1B | |

PROACTIVE COMMAND: SEND SS 6.1.1

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha Identifier

Data coding scheme: UCS2 (16bit)

Text: "ル"

SS String

TON: International

NPI: "ISDN / telephone numbering plan" SS string: "**21*01234567890123456789*10#"

Coding:

| BER-TLV: | D0 | 20 | 81 | 03 | 01 | 11 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 03 | 80 | 30 | EB | 89 | 10 | 91 | AA | 12 | 0A | 21 | 43 |
| | 65 | 87 | 09 | 21 | 43 | 65 | 87 | A9 | 01 | FB | | |

REGISTER 6.1A

Same as cl 27.22.4.11.1.4.2 REGISTER 1.1A

REGISTER 6.1B

Same as cl 27.22.4.11.1.4.2 REGISTER 1.1B

RELEASE COMPLETE (SS RETURN RESULT) 6.1A

Same as cl 27.22.4.11.1.4.2 RELEASE COMPLETE (SS RETURN RESULT) 1.1A

RELEASE COMPLETE (SS RETURN RESULT) 6.1B

Same as cl 27.22.4.11.1.4.2 RELEASE COMPLETE (SS RETURN RESULT) 1.1B

TERMINAL RESPONSE: SEND SS 6.1.1A

Same as cl 27.22.4.11.1.4.2 TERMINAL RESPONSE: SEND SS 1.1.1A

TERMINAL RESPONSE: SEND SS 6.1.1B

Same as cl 27.22.4.11.1.4.2 TERMINAL RESPONSE: SEND SS 1.1.1B

27.22.4.11.6.5 Test requirement

The ME shall operate in the manner defined in expected sequence 6.1.

27.22.4.12 SEND USSD

27.22.4.12.1 SEND USSD (normal)

27.22.4.12.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.12.1.2 Conformance requirement

The ME shall support the Proactive UICC: Send USSD facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.12, clause 6.6.11, clause 8.12.7, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.17, clause 8.31 and clause 6.5.

- TS 23.038 [7] clause 5

Additionally the ME shall support the UCS2 facility for the coding of the Cyrillic alphabet, as defined in: ISO/IEC 10646 [17].

27.22.4.12.1.3 Test purpose

To verify that the ME correctly translates and sends the unstructured supplementary service request indicated in the SEND USSD proactive UICC command to the USS.

To verify that the ME returns a TERMINAL RESPONSE command to the UICC indicating the status of the transmission of the USSD request and including a USSD result as a text string in the TERMINAL RESPONSE.

27.22.4.12.1.4 Method of test

27.22.4.12.1.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table. The elementary files are coded as USIM Application Toolkit default. Prior to this test the ME shall have been powered on, performed the PROFILE DOWNLOAD procedure and be in updated idle mode on the USS.

27.22.4.12.1.4.2 Procedure

Expected Sequence 1.1 (SEND USSD, 7-bit data, successful)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--------------------------|----------------------------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND USSD 1.1.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | |
| | | USSD 1.1.1 | |
| 4 | $ME \rightarrow USER$ | Display "7-bit USSD" | |
| 5 | $ME \to USS$ | REGISTER 1.1 | |
| 6 | $USS \to ME$ | RELEASE COMPLETE (SS | ["USSD string received from SS"] |
| | | RETURN RESULT) 1.1 | |
| 7 | $ME \to UICC$ | TERMINAL RESPONSE: SEND | |
| | | USSD 1.1.1 | |

PROACTIVE COMMAND: SEND USSD 1.1.1

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: "7-bit USSD"

USSD String

Data coding scheme: 7-bit default, no message class

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

Coding:

| BER-TLV: | D0 | 50 | 81 | 03 | 01 | 12 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----------------|----|----|----|----|----|----|
| | 0A | 37 | 2D | 62 | 69 | 74 | 20 | 55 | 53 | 53 | 44 | 8A |
| | 39 | F0 | 41 | E1 | 90 | 5 ⁸ | 34 | 1E | 91 | 49 | E5 | 92 |
| | D9 | 74 | 3E | A1 | 51 | E9 | 94 | 5A | B5 | 5E | B1 | 59 |
| | 6D | 2B | 2C | 1E | 93 | CB | E6 | 33 | 3A | AD | 5E | B3 |
| | DB | EE | 37 | 3C | 2E | 9F | D3 | EB | F6 | 3B | 3E | AF |
| | 6F | C5 | 64 | 33 | 5A | CD | 76 | C3 | E5 | 60 | | |

REGISTER 1.1

Logically (only USSD argument)

ProcessUnstructuredSS-Request ARGUMENT

USSD-DataCodingScheme:

- 7-bit default, no message class

USSD string:

- "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-1234567890"

Coding:

| BER-TLV | 30 | 3D | 04 | 01 | F0 | 04 | 38 | 41 | E1 | 90 | 58 | ³ 4 |
|---------|----|----|----|----|----|----|----|----|----|----|----|----------------|
| | 1E | 91 | 49 | E5 | 92 | D9 | 74 | 3E | A1 | 51 | E9 | 94 |
| | 5A | B5 | 5E | B1 | 59 | 6D | 2B | 2C | 1E | 93 | CB | E6 |
| | 33 | 3A | AD | 5E | В3 | DB | EE | 37 | 3C | 2E | 9F | D3 |
| | EB | F6 | 3B | 3E | AF | 6F | C5 | 64 | 33 | 5A | CD | 76 |
| | C3 | E5 | 60 | | | | | | | | | |

RELEASE COMPLETE (SS RETURN RESULT) 1.1

Logically (only from USSD result):

ProcessUnstructuredSS-Request RETURN RESULT

USSD-DataCodingScheme:

- 7-bit default, no message class

USSD string:

- "USSD string received from SS"

Coding:

| BER-TL ^V | 30 | 1E | 04 | 01 | F0 | 04 | 19 | D5 | E9 | 94 | 80 | 9A |
|---------------------|----|----|----|----|----|----|----|----|----|----|----|----|
| | D3 | E5 | 69 | F7 | 19 | 24 | 2F | 8F | CB | 69 | 7B | 99 |
| | 0C | 32 | СВ | DF | 6D | D0 | 74 | 0A | | | | |

TERMINAL RESPONSE: SEND USSD 1.1.1

Logically:

Command details

Command number:

Command type: SEND USSD

Command qualifier:

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

"00"

Text String

Data coding scheme: 7-bit default, no message class String: "USSD string received from SS"

| BER-TLV: | 81 | 03 | 01 | 12 | 00 | 82 | 02 | 82 | 81 | 83 | 01 |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | 8D | 1A | 00 | D5 | E9 | 94 | 80 | 9A | D3 | E5 |
| | 69 | F7 | 19 | 24 | 2F | 8F | CB | 69 | 7B | 99 | 0C |
| | 32 | СВ | DF | 6D | D0 | 74 | 0A | | | | |

Expected Sequence 1.2 (SEND USSD, 8-bit data, successful)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--------------------------|----------------------------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND USSD 1.2.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | |
| | | USSD 1.2.1 | |
| 4 | $ME \rightarrow USER$ | Display "8-bit USSD" | |
| 5 | $ME \to USS$ | REGISTER 1.2 | |
| 6 | $USS \to ME$ | RELEASE COMPLETE (SS | ["USSD string received from SS"] |
| | | RETURN RESULT) 1.2 | |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | |
| | | USSD 1.2.1 | |

PROACTIVE COMMAND: SEND USSD 1.2.1

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: "8-bit USSD"

USSD String

Data coding scheme: Uncompressed, no message class meaning, 8-bit data

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

Coding:

| BER-TLV: | D0 | 58 | 81 | 03 | 01 | 12 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| _ | 0A | 38 | 2D | 62 | 69 | 74 | 20 | 55 | 53 | 53 | 44 | 8A |
| | 41 | 44 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 4A |
| | 4B | 4C | 4D | 4E | 4F | 50 | 51 | 52 | 53 | 54 | 55 | 56 |
| | 57 | 58 | 59 | 5A | 2D | 61 | 62 | 63 | 64 | 65 | 66 | 67 |
| | 68 | 69 | 6A | 6B | 6C | 6D | 6E | 6F | 70 | 71 | 72 | 73 |
| | 74 | 75 | 76 | 77 | 78 | 79 | 7A | 2D | 31 | 32 | 33 | 34 |
| | 35 | 36 | 37 | 38 | 39 | 30 | | | | | | |

REGISTER 1.2

Logically (only USSD argument):

ProcessUnstructuredSS-Request ARGUMENT

USSD-DataCodingScheme:

- Uncompressed, no message class meaning, 8-bit data

USSD string:

- "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-1234567890"

| BER-TLV | 30 | 45 | 04 | 01 | 44 | 04 | 40 | 41 | 42 | 43 | 44 | 45 |
|---------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 46 | 47 | 48 | 49 | 4A | 4B | 4C | 4D | 4E | 4F | 50 | 51 |
| | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 5A | 2D | 61 | 62 |
| | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 6A | 6B | 6C | 6D | 6E |
| | 6F | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 7A |
| | 2D | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 30 | |

RELEASE COMPLETE (SS RETURN RESULT) 1.2

Logically (only from USSD result):

ProcessUnstructuredSS-Request RETURN RESULT

USSD-DataCodingScheme:

- Uncompressed, no message class meaning, 8-bit data

USSD string:

- "USSD string received from SS"

Coding:

| BER-TLV | 30 | 21 | 04 | 01 | 44 | 04 | 1C | 55 | 53 | 53 | 44 | 20 |
|---------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 73 | 74 | 72 | 69 | 6E | 67 | 20 | 72 | 65 | 63 | 65 | 69 |
| | 76 | 65 | 64 | 20 | 66 | 72 | 6F | 6D | 20 | 53 | 53 | |

TERMINAL RESPONSE: SEND USSD 1.2.1

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Text String

Data coding scheme: Uncompressed, no message class meaning, 8-bit data

String: "USSD string received from SS"

Coding:

| BER-TLV: | 81 | 03 | 01 | 12 | 00 | 82 | 02 | 82 | 81 | 83 | 01 |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | 8D | 1D | 04 | 55 | 53 | 53 | 44 | 20 | 73 | 74 |
| | 72 | 69 | 6E | 67 | 20 | 72 | 65 | 63 | 65 | 69 | 76 |
| | 65 | 64 | 20 | 66 | 72 | 6F | 6D | 20 | 53 | 53 | |

Expected Sequence 1.3 (SEND USSD, UCS2 data, successful)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|-------------------------------------|----------------------------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND | |
| | | USSD 1.3.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND USSD 1.3.1 | |
| 4 | $ME \to USER$ | Display "UCS2 USSD" | |
| 5 | $ME \to USS$ | REGISTER 1.3 | |
| 6 | $USS \to ME$ | RELEASE COMPLETE (SS RETURN RESULT) | ["USSD string received from SS"] |
| | | 1.3 | |
| 7 | $ME \to UICC$ | TERMINAL RESPONSE: SEND USSD 1.3.1 | |

PROACTIVE COMMAND: SEND USSD 1.3.1

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: "UCS2 USSD"

USSD String

Data coding scheme: Uncompressed, no message class meaning, UCS2 (16 bit)

USSD string: "ЗДРАВСТВУЙТЕ" ("Hello" in Russian)

Coding:

| BER-TLV: | D0 | 2F | 81 | 03 | 01 | 12 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| _ | 09 | 55 | 43 | 53 | 32 | 20 | 55 | 53 | 53 | 44 | 8A | 19 |
| | 48 | 04 | 17 | 04 | 14 | 04 | 20 | 04 | 10 | 04 | 12 | 04 |
| | 21 | 04 | 22 | 04 | 12 | 04 | 23 | 04 | 19 | 04 | 22 | 04 |
| | 15 | | | | | | | | | | | |

REGISTER 1.3

Logically (only USSD argument):

ProcessUnstructuredSS-Request ARGUMENT

USSD-DataCodingScheme:

- Uncompressed, no message class meaning, UCS2 (16 bit)

USSD string:

- "ЗДРАВСТВУЙТЕ" ("Hello" in Russian)

Coding:

| BER-TLV | 30 | 1D | 04 | 01 | 48 | 04 | 18 | 04 | 17 | 04 | 14 | 04 |
|---------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 20 | 04 | 10 | 04 | 12 | 04 | 21 | 04 | 22 | 04 | 12 | 04 |
| | 23 | 04 | 19 | 04 | 22 | 04 | 15 | | | | | |

RELEASE COMPLETE (SS RETURN RESULT) 1.3

Logically (only from USSD result):

ProcessUnstructuredSS-Request RETURN RESULT

USSD-DataCodingScheme:

- Uncompressed, no message class meaning, UCS2 (16 bit) USSD string:

- "USSD string received from SS"

Coding:

| BER-TLV | 30 | 3D | 04 | 01 | 48 | 04 | 38 | 00 | 55 | 00 | 53 | 00 |
|---------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 53 | 00 | 44 | 00 | 20 | 00 | 73 | 00 | 74 | 00 | 72 | 00 |
| | 69 | 00 | 6E | 00 | 67 | 00 | 20 | 00 | 72 | 00 | 65 | 00 |
| | 63 | 00 | 65 | 00 | 69 | 00 | 76 | 00 | 65 | 00 | 64 | 00 |
| | 20 | 00 | 66 | 00 | 72 | 00 | 6F | 00 | 6D | 00 | 20 | 00 |
| | 53 | 00 | 53 | | | | | | | | | |

TERMINAL RESPONSE: SEND USSD 1.3.1

Logically:

Command details

Command number:

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: ME

Destination device: UICC

Result

General Result: Command performed successfully

Text String

Data coding scheme: Uncompressed, no message class meaning, UCS2 (16 bit)

String: "USSD string received from SS"

Coding:

| BER-TLV: | 81 | 03 | 01 | 12 | 00 | 82 | 02 | 82 | 81 | 83 | 01 |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | 8D | 39 | 08 | 00 | 55 | 00 | 53 | 00 | 53 | 00 |
| | 44 | 00 | 20 | 00 | 73 | 00 | 74 | 00 | 72 | 00 | 69 |
| | 00 | 6E | 00 | 67 | 00 | 20 | 00 | 72 | 00 | 65 | 00 |
| | 63 | 00 | 65 | 00 | 69 | 00 | 76 | 00 | 65 | 00 | 64 |
| | 00 | 20 | 00 | 66 | 00 | 72 | 00 | 6F | 00 | 6D | 00 |
| | 20 | 00 | 53 | 00 | 53 | | | | | | |

Expected Sequence 1.4 (SEND USSD, 7-bit data, unsuccessful (Return Error))

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--|--------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND USSD 1.1.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND USSD 1.1.1 | |
| 4 | $ME \rightarrow USER$ | Display "7-bit USSD" | |
| 5 | $ME \to USS$ | REGISTER 1.1 | |
| 6 | $USS \to ME$ | RELEASE COMPLETE (SS RETURN ERROR) 1.1 | Return Error |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND USSD 1.4.1 | |

RELEASE COMPLETE (SS RETURN ERROR) 1.1

Logically (only from Return Error code):

ProcessUnstructuredSS-Request RETURN ERROR

Return Error code:

- Unknown alphabet

Coding:

TERMINAL RESPONSE: SEND USSD 1.4.1

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: USSD Return Error Additional information: "Unknown alphabet"

| BER-TLV: | 81 | 03 | 01 | 12 | 00 | 82 | 02 | 82 | 81 | 83 | 02 |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| | 37 | 47 | | | | | | | | | |

Expected Sequence 1.5 (SEND USSD, 7-bit data, unsuccessful (Reject))

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--|----------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND USSD 1.1.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND USSD 1.1.1 | |
| 4 | $ME \rightarrow USER$ | Display "7-bit USSD" | |
| 5 | $ME \rightarrow USS$ | REGISTER 1.1 | |
| 6 | $USS \to ME$ | RELEASE COMPLETE (SS REJECT) 1.1 | Reject |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND USSD 1.5.1 | |

RELEASE COMPLETE (SS REJECT) 1.1

Logically (only from Problem code):

ProcessUnstructuredSS-Request REJECT

Invoke Problem code:

- Mistyped parameter

Coding:

| Codina | 81 | 01 | 02 |
|--------|----|----|----|
| | | | |

TERMINAL RESPONSE: SEND <u>U</u>SSD 1.5.1

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: USSD Return Error

Additional information: "No specific cause can be given"

Coding:

| BER-TLV: | 81 | 03 | 01 | 12 | 00 | 82 | 02 | 82 | 81 | 83 | 02 |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| · | 37 | 00 | | | | | | | | | |

Expected Sequence 1.6 (SEND USSD, 256 octets, 7-bit data, successful, long alpha identifier)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|----------------------------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND | |
| | | USSD 1.6.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND USSD 1.6.1 | |
| 4 | $ME \rightarrow USER$ | Display "once a RELEASE COMPLETE | |
| | | message containing the USSD Return Result | |
| | | message not containing an error has been | |
| | | received from the network, the ME shall | |
| | | inform the SIM that the command has" | |
| 5 | $ME \to USS$ | REGISTER 1.1 | |
| 6 | $USS \to ME$ | RELEASE COMPLETE (SS RETURN | ["USSD string received from SS"] |
| | | RESULT) 1.1 | _ |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND USSD 1.1.1 | |

PROACTIVE COMMAND: SEND USSD 1.6.1

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "once a RELEASE COMPLETE message containing the USSD Return Result

message not containing an error has been received from the network, the ME shall

inform the SIM that the command has"

USSD String

Data coding scheme: 7-bit default, no message class

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

Coding:

| BER-TLV: | D0 | 81 | FD | 81 | 03 | 01 | 12 | 00 | 82 | 02 | 81 | 83 |
|----------|----|----|----|----------------|----|----------------|----|----|----|----|----|----------------|
| | 85 | 81 | B6 | 6F | 6E | 63 | 65 | 20 | 61 | 20 | 52 | 45 |
| | 4C | 45 | 41 | 53 | 45 | 20 | 43 | 4F | 4D | 50 | 4C | 45 |
| | 54 | 45 | 20 | 6D | 65 | 73 | 73 | 61 | 67 | 65 | 20 | 63 |
| | 6F | 6E | 74 | 6 ¹ | 69 | 6 ^E | 69 | 6E | 67 | 20 | 74 | 68 |
| | 65 | 20 | 55 | 53 | 53 | 44 | 20 | 52 | 65 | 74 | 75 | ⁷ 2 |
| | 6E | 20 | 52 | 65 | 73 | 75 | 6C | 74 | 20 | 6D | 65 | 73 |
| | 73 | 61 | 67 | 65 | 20 | 6E | 6F | 74 | 20 | 63 | 6F | 6E |
| | 74 | 61 | 69 | 6E | 69 | 6E | 67 | 20 | 61 | 6E | 20 | 65 |
| | 72 | 72 | 6F | 72 | 20 | 68 | 61 | 73 | 20 | 62 | 65 | 65 |
| | 6E | 20 | 72 | 65 | 63 | 65 | 69 | 76 | 65 | 64 | 20 | 66 |
| | 72 | 6F | 6D | 20 | 74 | 68 | 65 | 20 | 6E | 65 | 74 | 77 |
| | 6F | 72 | 6B | 2C | 20 | 74 | 68 | 65 | 20 | 4D | 45 | 20 |
| | 73 | 68 | 61 | 6C | 6C | 20 | 69 | 6E | 66 | 6F | 72 | 6D |
| | 20 | 74 | 68 | 65 | 20 | 53 | 49 | 4D | 20 | 74 | 68 | 61 |
| | 74 | 20 | 74 | 68 | 65 | 20 | 63 | 6F | 6D | 6D | 61 | 6E |
| | 64 | 20 | 68 | 61 | 73 | 8A | 39 | F0 | 41 | E1 | 90 | 58 |
| | 34 | 1E | 91 | 49 | E5 | 92 | D9 | 74 | 3E | A1 | 51 | E9 |
| | 94 | 5A | B5 | 5E | B1 | 59 | 6D | 2B | 2C | 1E | 93 | CB |
| | E6 | 33 | 3A | AD | 5E | В3 | DB | EE | 37 | 3C | 2E | 9F |
| | D3 | EB | F6 | 3B | 3E | AF | 6F | C5 | 64 | 33 | 5A | CD |
| | 76 | C3 | E5 | 60 | | | | | | | | |

Expected Sequence 1.7 (SEND USSD, 7-bit data, successful, no alpha identifier)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|----------------------------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND | |
| | | USSD 1.7.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND USSD 1.7.1 | |
| 4 | $ME \rightarrow USER$ | Optionally display an informative message | |
| 5 | $ME \to USS$ | REGISTER 1.1 | |
| 6 | $USS \to ME$ | RELEASE COMPLETE (SS RETURN RESULT) | ["USSD string received from SS"] |
| | | 1.1 | |
| 7 | $ME \to UICC$ | TERMINAL RESPONSE: SEND USSD 1.1.1 | |

PROACTIVE COMMAND: SEND USSD 1.7.1

Logically:

Command details

Command number:

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

USSD String

Data coding scheme: 7-bit default, no message class

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

Coding:

| BER-TLV: | D0 | 44 | 81 | 03 | 01 | 12 | 00 | 82 | 02 | 81 | 83 | 8A |
|----------|----|----|----|----|----|----------------|----|----|----|----|----|----|
| | 39 | F0 | 41 | E1 | 90 | 5 ⁸ | 34 | 1E | 91 | 49 | E5 | 92 |
| | D9 | 74 | 3E | A1 | 51 | E9 | 94 | 5A | B5 | 5E | B1 | 59 |
| | 6D | 2B | 2C | 1E | 93 | CB | E6 | 33 | 3A | AD | 5E | В3 |
| | DB | EE | 37 | 3C | 2E | 9F | D3 | EB | F6 | 3B | 3E | AF |
| | 6F | C5 | 64 | 33 | 5A | CD | 76 | C3 | E5 | 60 | | |

Expected Sequence 1.8 (SEND USSD, 7-bit data, successful, null length alpha identifier)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--|----------------------------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND | |
| | | USSD 1.8.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND USSD 1.8.1 | |
| 4 | $ME \rightarrow USER$ | the ME should not give any information to the | |
| | | user on the fact that the ME is sending a USSD | |
| | | request | |
| 5 | $ME \to USS$ | REGISTER 1.1 | |
| 6 | $USS \to ME$ | RELEASE COMPLETE (SS RETURN RESULT) | ["USSD string received from SS"] |
| | | 1.1 | |
| 7 | $ME \to UICC$ | TERMINAL RESPONSE: SEND USSD 1.1.1 | |

PROACTIVE COMMAND: SEND USSD 1.8.1

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: ""

Aipiia i

USSD String

Data coding scheme: 7-bit default, no message class

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

| BER-TLV: | D0 | 46 | 81 | 03 | 01 | 12 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----------------|----|----|----|----|
| | 00 | 8A | 39 | F0 | 41 | E1 | 90 | 5 ⁸ | 34 | 1E | 91 | 49 |
| | E5 | 92 | D9 | 74 | 3E | A1 | 51 | E9 | 94 | 5A | B5 | 5E |
| | B1 | 59 | 6D | 2B | 2C | 1E | 93 | CB | E6 | 33 | 3A | AD |
| | 5E | В3 | DB | EE | 37 | 3C | 2E | 9F | D3 | EB | F6 | 3B |
| | 3E | AF | 6F | C5 | 64 | 33 | 5A | CD | 76 | C3 | E5 | 60 |

27.22.4.12.1.5 Test requirement

The ME shall operate in the manner defined in expected sequences 1.1 - 1.8.

27.22.4.12.2 SEND USSD (Icon support)

27.22.4.12.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.12.2.2 Conformance requirement

27.22.4.12.2.3 Test purpose

To verify that the ME displays the text contained in the SEND USSD proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

In addition to verify that if an icon is provided by the UICC, the icon indicated in the command may be used by the ME to inform the user, in addition to, or instead of the alpha identifier, as indicated with the icon qualifier.

27.22.4.12.2.4 Method of test

27.22.4.12.2.4.1 Initial conditions

The ME is connected to the USIM Simulator and to the USS. Prior to this test the ME shall have been powered on, performed the PROFILE DOWNLOAD procedure and be in updated idle mode on the USS

The elementary files are coded as Toolkit default.

27.22.4.12.2.4.2 Procedure

Expected Sequence 2.1A (SEND USSD, 7-bit data, successful, basic icon self explanatory, successful)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|-------------------------------------|----------------------------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND | |
| | | USSD 2.1.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND USSD 2.1.1 | [BASIC-ICON, self-explanatory] |
| 4 | $ME \rightarrow USER$ | Display BASIC ICON | |
| 5 | $ME \rightarrow USS$ | REGISTER 2.1 | |
| 6 | $USS \to ME$ | RELEASE COMPLETE (SS RETURN | ["USSD string received from SS"] |
| | | RESULT) 2.1 | |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND USSD 2.1.1A | [Command performed successfully] |

PROACTIVE COMMAND: SEND USSD 2.1.1

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: "Basic Icon"

USSD String

Data coding scheme: 7-bit default, no message class

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

Icon Identifier:

Icon qualifier: icon is self-explanatory Icon Identifier: record 1 in $EF_{(IMG)}$

Coding:

| BER-TLV: | D0 | 54 | 81 | 03 | 01 | 12 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----------------|----|----|----|----|----|----|
| | 0A | 42 | 61 | 73 | 69 | 63 | 20 | 49 | 63 | 6F | 6E | 8A |
| | 39 | F0 | 41 | E1 | 90 | 5 ⁸ | 34 | 1E | 91 | 49 | E5 | 92 |
| | D9 | 74 | 3E | A1 | 51 | E9 | 94 | 5A | B5 | 5E | B1 | 59 |
| | 6D | 2B | 2C | 1E | 93 | CB | E6 | 33 | 3A | AD | 5E | В3 |
| | DB | EE | 37 | 3C | 2E | 9F | D3 | EB | F6 | 3B | 3E | AF |
| | 6F | C5 | 64 | 33 | 5A | CD | 76 | C3 | E⁵ | 60 | 9E | 02 |
| | 00 | 01 | | | | | | | | | | |

REGISTER 2.1

Logically (only USSD argument)

ProcessUnstructuredSS-Request ARGUMENT

USSD-DataCodingScheme:

- 7-bit default, no message class

USSD string:

- "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-1234567890"

Coding:

| BER-TLV | 30 | 3D | 04 | 01 | F0 | 04 | 38 | 41 | E1 | 90 | 58 | ³ 4 |
|---------|----|----|----|----|----|----|----|----|----|----|----|----------------|
| | 1E | 91 | 49 | E5 | 92 | D9 | 74 | 3E | A1 | 51 | E9 | 94 |
| | 5A | B5 | 5E | B1 | 59 | 6D | 2B | 2C | 1E | 93 | CB | E6 |
| | 33 | 3A | AD | 5E | B3 | DB | EE | 37 | 3C | 2E | 9F | D3 |
| | EB | F6 | 3B | 3E | AF | 6F | C5 | 64 | 33 | 5A | CD | 76 |
| | C3 | E5 | 60 | | | | | | | | | |

RELEASE COMPLETE (SS RETURN RESULT) 2.1

Logically (only from USSD result):

ProcessUnstructuredSS-Request RETURN RESULT

USSD-DataCodingScheme:

- 7-bit default, no message class

USSD string:

- "USSD string received from SS"

Coding:

| BER-TLV | 30 | 1E | 04 | 01 | F0 | 04 | 19 | D5 | E9 | 94 | 80 | 9A |
|---------|----|----|----|----|----|----|----|----|----|----|----|----|
| | D3 | E5 | 69 | F7 | 19 | 24 | 2F | 8F | CB | 69 | 7B | 99 |
| | 0C | 32 | CB | DF | 6D | D0 | 74 | 0A | | | | |

TERMINAL RESPONSE: SEND USSD 2.1.1A

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Text String

Data coding scheme: 7-bit default, no message class String: "USSD string received from SS"

Coding:

| BER-TLV: | 81 | 03 | 01 | 12 | 00 | 82 | 02 | 82 | 81 | 83 | 01 |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | 8D | 1A | 00 | D5 | E9 | 94 | 80 | 9A | D3 | E5 |
| | 69 | F7 | 19 | 24 | 2F | 8F | CB | 69 | 7B | 99 | 0C |
| | 32 | CB | DF | 6D | D0 | 74 | 0A | | | | |

Expected Sequence 2.1B (SEND USSD, 7-bit data, successful, basic icon self explanatory, requested icon could not be displayed)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|----------------------------------|---------------------------------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND USSD 2.1.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | [BASIC-ICON, self-explanatory] |
| | | USSD 2.1.1 | |
| 4 | $ME \rightarrow USER$ | Display "Basic Icon" without the | |
| | | icon | |
| 5 | $ME \to USS$ | REGISTER 2.1 | |
| 6 | $USS \to ME$ | RELEASE COMPLETE (SS | ["USSD string received from SS"] |
| | | RETURN RESULT) 2.1 | |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | [Command performed but requested icon |
| | | USSD 2.1.1B | could not be displayed] |

TERMINAL RESPONSE: SEND USSD 2.1.1B

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully, but requested icon could not be displayed

Text String

Data coding scheme: 7-bit default, no message class String: "USSD string received from SS"

| BER-TLV: | 81 | 03 | 01 | 12 | 00 | 82 | 02 | 82 | 81 | 83 | 01 |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| | 04 | 8D | 1A | 00 | D5 | E9 | 94 | 80 | 9A | D3 | E5 |
| | 69 | F7 | 19 | 24 | 2F | 8F | CB | 69 | 7B | 99 | 0C |
| | 32 | CB | DF | 6D | D0 | 74 | 0A | | | | |

Expected Sequence 2.2 (SEND USSD, 7-bit data, successful, colour icon self explanatory)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|------------------------------|---------------------------------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND USSD 2.2.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | [COLOUR-ICON, self-explanatory] |
| | | USSD 2.2.1 | |
| 4 | $ME \rightarrow USER$ | Display COLOUR-ICON | |
| | | or | |
| | | May give information to user | |
| | | concerning what is happening | |
| 5 | $ME \to USS$ | REGISTER 2.1 | |
| 6 | $USS \to ME$ | RELEASE COMPLETE (SS | ["USSD string received from SS"] |
| | | RETURN RESULT) 2.1 | |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| | | USSD 2.1.1A | or |
| | | or | [Command performed but requested icon |
| | | TERMINAL RESPONSE: SEND | could not be displayed] |
| | | USSD 2.1.1B | |

PROACTIVE COMMAND: SEND USSD 2.2.1

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: "Color Icon"

USSD String

Data coding scheme: 7-bit default, no message class

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

Icon Identifier:

Icon qualifier: icon is self-explanatory Icon Identifier: record 2 in $EF_{(IMG)}$

| BER-TLV: | D0 | 54 | 81 | 03 | 01 | 12 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----------------|----|----|----------------|----|----|----|
| | 0A | 43 | 6F | 6C | 6F | 72 | 20 | 49 | 63 | 6F | 6E | 8A |
| | 39 | F0 | 41 | E1 | 90 | 5 ⁸ | 34 | 1E | 91 | 49 | E5 | 92 |
| | D9 | 74 | 3E | A1 | 51 | E9 | 94 | 5A | B5 | 5E | B1 | 59 |
| | 6D | 2B | 2C | 1E | 93 | CB | E6 | 33 | 3A | AD | 5E | В3 |
| | DB | EE | 37 | 3C | 2E | 9F | D3 | EB | F6 | 3B | 3E | AF |
| | 6F | C5 | 64 | 33 | 5A | CD | 76 | C3 | E ⁵ | 60 | 9E | 02 |
| | 00 | 02 | | | | | | | | | | |

Expected Sequence 2.3A (SEND USSD, 7-bit data, successful, basic icon non self-explanatory, successful)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---------------------------------|------------------------------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND USSD 2.3.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | [BASIC-ICON, non self-explanatory] |
| | | USSD 2.3.1 | |
| 4 | $ME \rightarrow USER$ | Display "Basic Icon" and BASIC- | |
| | | ICON | |
| _ | | | |
| 5 | L / 000 | REGISTER 2.1 | |
| 6 | $USS \to ME$ | RELEASE COMPLETE (SS | ["USSD string received from SS"] |
| | | RETURN RESULT) 2.1 | |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| | | USSD 2.1.1A | |

PROACTIVE COMMAND: SEND USSD 2.3.1

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: "Basic Icon"

USSD String

Data coding scheme: 7-bit default, no message class

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

Icon Identifier

Icon qualifier: icon is non self-explanatory

Icon Identifier: record 1 in $EF_{(IMG)}$

| BER-TLV: | D0 | 54 | 81 | 03 | 01 | 12 | 00 | 82 | 02 | 81 | 83 | 85 |
|------------|----|----|----|----|----|----|----|----|----------------|----|----|----|
| \ <u>-</u> | 0A | 42 | 61 | 73 | 69 | 63 | 20 | 49 | 63 | 6F | 6E | 8A |
| | 39 | F0 | 41 | E1 | 90 | 58 | 34 | 1E | 91 | 49 | E5 | 92 |
| | D9 | 74 | 3E | A1 | 51 | E9 | 94 | 5A | B5 | 5E | B1 | 59 |
| | 6D | 2B | 2C | 1E | 93 | СВ | E6 | 33 | 3A | AD | 5E | В3 |
| | DB | EE | 37 | 3C | 2E | 9F | D3 | EB | F6 | 3B | 3E | AF |
| | 6F | C5 | 64 | 33 | 5A | CD | 76 | C3 | E ⁵ | 60 | 9E | 02 |
| | 01 | Ω1 | | | | | | | | | | |

Expected Sequence 2.3B (SEND USSD, 7-bit data, successful, basic icon non self-explanatory, requested icon could not be displayed)

| Step | Direction | MESSAGE / Action | Comments |
|------|----------------------|----------------------------------|---------------------------------------|
| 1 | $UICC \to$ | PROACTIVE COMMAND | |
| | ME | PENDING: SEND USSD 2.3.1 | |
| 2 | ME 	o | FETCH | |
| | UICC | | |
| 3 | $UICC \to$ | PROACTIVE COMMAND: SEND | [BASIC-ICON, non self-explanatory] |
| | ME | USSD 2.3.1 | |
| 4 | ME 	o | Display "Basic Icon" without the | |
| | USER | icon | |
| 5 | $ME \rightarrow USS$ | REGISTER 2.1 | |
| 6 | $USS \to ME$ | RELEASE COMPLETE (SS | ["USSD string received from SS"] |
| | | RETURN RESULT) 2.1 | |
| 7 | ME 	o | TERMINAL RESPONSE: SEND | [Command performed but requested icon |
| | UICC | USSD 2.1.1B | could not be displayed] |

Expected Sequence 2.4 (SEND USSD, 7-bit data, basic icon non self-explanatory, no alpha identifier presented)

| Step | Direction | MESSAGE / Action | Comments |
|------|------------|--------------------------|-------------------------------------|
| 1 | $UICC \to$ | PROACTIVE COMMAND | |
| | ME | PENDING: SEND USSD 2.4.1 | |
| 2 | ME 	o | FETCH | |
| | UICC | | |
| 3 | $UICC \to$ | PROACTIVE COMMAND: SEND | [BASIC-ICON, non self-explanatory] |
| | ME | USSD 2.4.1 | |
| 4 | ME 	o | TERMINAL RESPONSE: SEND | [Command data not understood by ME] |
| | UICC | USSD 2.4.1 | |

PROACTIVE COMMAND: SEND USSD 2.4.1

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

USSD String

Data coding scheme: 7-bit default, no message class

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

Icon Identifier

Icon qualifier: icon is non self-explanatory

Icon Identifier: record 1 in $EF_{(IMG)}$

Coding:

| BER-TLV: | D0 | 48 | 81 | 03 | 01 | 12 | 00 | 82 | 02 | 81 | 83 | 8A |
|----------|----|----|----|----|----|----|----|----|----------------|----|----|----|
| | 39 | F0 | 41 | E1 | 90 | 58 | 34 | 1E | 91 | 49 | E5 | 92 |
| | D9 | 74 | 3E | A1 | 51 | E9 | 94 | 5A | B5 | 5E | B1 | 59 |
| | 6D | 2B | 2C | 1E | 93 | CB | E6 | 33 | 3A | AD | 5E | B3 |
| | DB | EE | 37 | 3C | 2E | 9F | D3 | EB | F6 | 3B | 3E | AF |
| | 6F | C5 | 64 | 33 | 5A | CD | 76 | C3 | E ⁵ | 60 | 9E | 02 |
| | 01 | 01 | | | | | | | | | | |

TERMINAL RESPONSE: SEND USSD 2.4.1

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command data not understood by ME

Coding:

| BER-TLV: | 81 | 03 | 01 | 12 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 32 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | | | | | | | | | | | | İ |

27.22.4.12.2.5 Test requirement

The ME shall operate in the manner defined in expected sequences 2.1 - 2.4.

27.22.4.12.3 SEND USSD (UCS2 display in Cyrillic)

27.22.4.12.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.12.3.2 Conformance requirement

The ME shall support the Proactive UICC: Send USSD facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.12, clause 6.6.11, clause 8.12.7, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.17, clause 8.31 and clause 6.5.
- TS 23.038 [7] clause 5

Additionally the ME shall support the UCS2 facility for the coding of the Cyrillic alphabet, as defined in: ISO/IEC 10646 [17].

27.22.4.12.3.3 Test purpose

To verify that the ME displays the UCS2 text contained in the SEND USSD proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.12.3.4 Method of test

27.22.4.12.3.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table. The elementary files are coded as USIM Application Toolkit default. Prior to this test the ME shall have been powered on, performed the PROFILE DOWNLOAD procedure and be in updated idle mode on the USS.

27.22.4.12.3.4.2 Procedure

Expected Sequence 3.1 (SEND USSD, 7-bit data, successful, UCS2 text in Cyrillic)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|------------------------------------|----------------------------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND | |
| | | USSD 3.1.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND USSD 3.1.1 | |
| 4 | $ME \rightarrow USER$ | Display "ЗДРАВСТВУЙТЕ" | ["Hello" in Russian] |
| 5 | $ME \to USS$ | REGISTER 3.1 | |
| 6 | $USS \to ME$ | RELEASE COMPLETE (SS RETURN | [Successful] |
| | | RESULT) 3.1 | |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND USSD 3.1.1 | [Command performed successfully] |

PROACTIVE COMMAND: SEND USSD 3.1.1

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha Identifier

Data coding scheme: UCS2 (16bit)
Text: "ЗДРАВСТВУЙТЕ"

USSD String

Data coding scheme: 7-bit default, no message class

USSD String: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

Coding:

| BER-TLV: | D0 | 5F | 81 | 03 | 01 | 12 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 19 | 80 | 04 | 17 | 04 | 14 | 04 | 20 | 04 | 10 | 04 | 12 |
| | 04 | 21 | 04 | 22 | 04 | 12 | 04 | 23 | 04 | 19 | 04 | 22 |
| | 04 | 15 | 8A | 39 | F0 | 41 | E1 | 90 | 58 | 34 | 1E | 91 |
| | 49 | E5 | 92 | D9 | 74 | 3E | A1 | 51 | E9 | 94 | 5A | B5 |
| | 5E | B1 | 59 | 6D | 2B | 2C | 1E | 93 | CB | E6 | 33 | 3A |
| | AD | 5E | В3 | DB | EE | 37 | 3C | 2E | 9F | D3 | EB | F6 |
| | 3B | 3E | AF | 6F | C5 | 64 | 33 | 5A | CD | 76 | C3 | E5 |
| | 60 | | | | | | | | | | | |

REGISTER 3.1

Logically (only USSD argument)

ProcessUnstructuredSS-Request ARGUMENT

USSD-Data Coding Scheme:

- 7-bit default, no message class

USSD String:

- "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-1234567890"

Coding:

| BER-TLV | 30 | 3D | 04 | 01 | F0 | 04 | 38 | 41 | E1 | 90 | 58 | ³ 4 |
|---------|----|----|----|----|----|----|----|----|----|----|----|----------------|
| | 1E | 91 | 49 | E5 | 92 | D9 | 74 | 3E | A1 | 51 | E9 | 94 |
| | 5A | B5 | 5E | B1 | 59 | 6D | 2B | 2C | 1E | 93 | CB | E6 |
| | 33 | 3A | AD | 5E | В3 | DB | EE | 37 | 3C | 2E | 9F | D3 |
| | EB | F6 | 3B | 3E | AF | 6F | C5 | 64 | 33 | 5A | CD | 76 |
| | C3 | E5 | 60 | | | | | | | | | |

RELEASE COMPLETE (SS RETURN RESULT) 3.1

Logically (only from USSD result):

ProcessUnstructuredSS-Request RETURN RESULT

USSD-DataCodingScheme:

- 7-bit default, no message class

USSD String:

- "USSD string received from SS"

Coding:

| BER-TL ^V | 30 | 1E | 04 | 01 | F0 | 04 | 19 | D5 | E9 | 94 | 08 | 9A |
|---------------------|----|----|----|----|----|----|----|----|----|----|----|----|
| | D3 | E5 | 69 | F7 | 19 | 24 | 2F | 8F | CB | 69 | 7B | 99 |
| | 0C | 32 | CB | DF | 6D | D0 | 74 | 0A | | | | |

TERMINAL RESPONSE: SEND USSD 3.1.1

Logically:

Command details

Command number:

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Text String

Data coding scheme: 7-bit default, no message class String: "USSD string received from SS"

Coding:

| BER-TLV: | 81 | 03 | 01 | 12 | 00 | 82 | 02 | 82 | 81 | 83 | 01 |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | 8D | 1A | 00 | D5 | E9 | 94 | 08 | 9A | D3 | E5 |
| | 69 | F7 | 19 | 24 | 2F | 8F | CB | 69 | 7B | 99 | 0C |
| | 32 | CB | DF | 6D | D0 | 74 | 0A | | | | |

27.22.4.12.3.5 Test requirement

The ME shall operate in the manner defined in expected sequence 3.1.

27.22.4.12.4 SEND USSD (support of Text Attribute)

27.22.4.12.4.1 SEND USSD (support of Text Attribute – Left Alignment)

27.22.4.12.4.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.12.4.1.2 Conformance requirement

The terminal shall support the Proactive UICC: Send USSD facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.12, clause 6.6.11, clause 8.12.7, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.17, clause 8.31 and clause 6.5.

27.22.4.12.4.1.3 Test purpose

To verify that the ME displays the alpha identifier according to the left alignment text attribute configuration in the SEND USSD proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.12.4.1.4 Method of test

27.22.4.12.4.1.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table.

The elementary files are coded as UICC default. Prior to this test the terminal shall have been powered on, performed the PROFILE DOWNLOAD procedure and be in updated idle mode on the USS.

27.22.4.12.4.1.4.2 Procedure

Expected Sequence 4.1 (SEND USSD, 7-bit data, successful, with Text Attribute – Left Alignment)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND USSD 4.1.1 | |
| 2 | $ME \rightarrow UICC$ | | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | |
| | | USSD 4.1.1 | |
| 4 | | Display "Text Attribute 1" | [Alpha identifier is displayed with left alignment] |
| 5 | $ME \rightarrow USS$ | REGISTER 4.1 | |
| 6 | $USS \to ME$ | RELEASE COMPLETE (SS RETURN RESULT) 4.1 | ["USSD string received from SS"] |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | |
| | | USSD 4.1.1 | |
| 8 | $UICC \to ME$ | PROACTIVE COMMAND | |
| _ | | PENDING: SEND USSD 4.1.2 | |
| 9 | ME → UICC | | |
| 10 | $\bigcup UICC \to ME$ | PROACTIVE COMMAND: SEND USSD 4.1.2 | |
| 11 | ME → USER | Display "Text Attribute 2" | [Alpha identifier is displayed without left alignment. Remark: If left alignment is the ME"s default alignment as declared in table A.2/13, no alignment change will take place] |
| 12 | $ME \rightarrow USS$ | REGISTER 4.1 | |
| 13 | $USS \to ME$ | RELEASE COMPLETE (SS | ["USSD string received from SS"] |
| | | RETURN RESULT) 4.1 | |
| 14 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | |
| | | USSD 4.1.1 | |

PROACTIVE COMMAND: SEND USSD 4.1.1

Logically:

Command details

Command number:

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 1"

USSD String

Data coding scheme: 7-bit default, no message class

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 5C | 81 | 03 | 01 | 12 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 31 | 8A | 39 | F0 | 41 | E1 | 90 | 58 |
| | 34 | 1E | 91 | 49 | E5 | 92 | D9 | 74 | 3E | A1 | 51 | E9 |
| | 94 | 5A | B5 | 5E | B1 | 59 | 6D | 2B | 2C | 1E | 93 | CB |
| | E6 | 33 | 3A | AD | 5E | В3 | DB | EE | 37 | 3C | 2E | 9F |
| | D3 | EB | F6 | 3B | 3E | AF | 6F | C5 | 64 | 33 | 5A | CD |
| | 76 | C3 | E5 | 60 | D0 | 04 | 00 | 10 | 00 | B4 | | |

PROACTIVE COMMAND: SEND USSD 4.1.2

Logically:

Command details

Command number:

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 2"

USSD String

Data coding scheme: 7-bit default, no message class

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

Coding:

| BER-TLV: | D0 | 56 | 81 | 03 | 01 | 12 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 32 | 8A | 39 | F0 | 41 | E1 | 90 | 58 |
| | 34 | 1E | 91 | 49 | E5 | 92 | D9 | 74 | 3E | A1 | 51 | E9 |
| | 94 | 5A | B5 | 5E | B1 | 59 | 6D | 2B | 2C | 1E | 93 | CB |
| | E6 | 33 | 3A | AD | 5E | В3 | DB | EE | 37 | 3C | 2E | 9F |
| | D3 | EB | F6 | 3B | 3E | AF | 6F | C5 | 64 | 33 | 5A | CD |
| | 76 | C3 | E5 | 60 | | | | | | | | |

REGISTER 4.1

Logically (only USSD argument)

ProcessUnstructuredSS-Request ARGUMENT

USSD-DataCodingScheme:

- 7-bit default, no message class

USSD string:

- "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-1234567890"

Coding:

| Coding | 30 | 3D | 04 | 01 | F0 | 04 | 40 | 41 | E1 | 90 | 58 | ³ 4 |
|--------|----|----|----|----|----|----|----|----|----|----|----|----------------|
| | 1E | 91 | 49 | E5 | 92 | D9 | 74 | 3E | A1 | 51 | E9 | 94 |
| | 5A | B5 | 5E | B1 | 59 | 6D | 2B | 2C | 1E | 93 | CB | E6 |
| | 33 | 3A | AD | 5E | В3 | DB | EE | 37 | 3C | 2E | 9F | D3 |
| | EB | F6 | 3B | 3E | AF | 6F | C5 | 64 | 33 | 5A | CD | 76 |
| | C3 | E5 | 60 | | | | | | | | | |

RELEASE COMPLETE (SS RETURN RESULT) 4.1

Logically (only from USSD result):

ProcessUnstructuredSS-Request RETURN RESULT

USSD-DataCodingScheme:

- 7-bit default, no message class

USSD string:

- "USSD string received from SS"

Coding:

| BER-TLV | 30 | 1E | 04 | 01 | F0 | 04 | 19 | D5 | E9 | 94 | 08 | 9A |
|---------|----|----|----|----|----|----|----|----|----|----|----|----|
| | D3 | E5 | 69 | F7 | 19 | 24 | 2F | 8F | CB | 69 | 7B | 99 |
| | 0C | 32 | СВ | DF | 6D | D0 | 74 | 0A | | | | |

TERMINAL RESPONSE: SEND USSD 4.1.1

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Text String

Data coding scheme: 7-bit default, no message class String: "USSD string received from SS"

Coding:

| BER-TLV: | 81 | 03 | 01 | 12 | 00 | 82 | 02 | 82 | 81 | 83 | 01 |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | 8D | 1A | 00 | D5 | E9 | 94 | 80 | 9A | D3 | E5 |
| | 69 | F7 | 19 | 24 | 2F | 8F | CB | 69 | 7B | 99 | 0C |
| | 32 | СВ | DF | 6D | D0 | 74 | 0A | | | | |

27.22.4.12.4.1.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.1.

27.22.4.12.4.2 SEND USSD (support of Text Attribute – Center Alignment)

27.22.4.12.4.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.12.4.2.2 Conformance requirement

The terminal shall support the Proactive UICC: Send USSD facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.12, clause 6.6.11, clause 8.12.7, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.17, clause 8.31 and clause 6.5.

27.22.4.12.4.2.3 Test purpose

To verify that the ME displays the alpha identifier according to the center alignment text attribute configuration in the SEND USSD proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.12.4.2.4 Method of test

27.22.4.12.4.2.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table.

The elementary files are coded as UICC default. Prior to this test the terminal shall have been powered on, performed the PROFILE DOWNLOAD procedure and be in updated idle mode on the USS.

27.22.4.12.4.2.4.2 Procedure

Expected Sequence 4.2 (SEND USSD, 7-bit data, successful, with Text Attribute – Center Alignment)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND USSD 4.2.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | |
| | | USSD 4.2.1 | |
| 4 | $ME \rightarrow USER$ | Display "Text Attribute 1" | [Alpha identifier is displayed with center alignment] |
| 5 | $ME \rightarrow USS$ | REGISTER 4.1 | |
| 6 | $USS \to ME$ | RELEASE COMPLETE (SS | ["USSD string received from SS"] |
| _ | | RETURN RESULT) 4.1 | |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | |
| | | USSD 4.2.1 | |
| 8 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND USSD 4.2.2 | |
| 9 | $ME \rightarrow UICC$ | | |
| 10 | | PROACTIVE COMMAND: SEND | |
| 10 | | USSD 4.2.2 | |
| 11 | ME → USER | | [Alpha identifier is displayed without center |
| | | | alignment. Remark: If center alignment is the |
| | | | ME"s default alignment as declared in table |
| | | | A.2/13, no alignment change will take place] |
| 12 | , | REGISTER 4.1 | |
| 13 | $USS \to ME$ | RELEASE COMPLETE (SS | ["USSD string received from SS"] |
| | | RETURN RESULT) 4.1 | |
| 14 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | |
| | | USSD 4.2.1 | |

PROACTIVE COMMAND: SEND USSD 4.2.1

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 1"

USSD String

Data coding scheme: 7-bit default, no message class

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Center Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 5C | 81 | 03 | 01 | 12 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 31 | 8A | 39 | F0 | 41 | E1 | 90 | 58 |
| | 34 | 1E | 91 | 49 | E5 | 92 | D9 | 74 | 3E | A1 | 51 | E9 |
| | 94 | 5A | B5 | 5E | B1 | 59 | 6D | 2B | 2C | 1E | 93 | CB |
| | E6 | 33 | 3A | AD | 5E | В3 | DB | EE | 37 | 3C | 2E | 9F |
| | D3 | EB | F6 | 3B | 3E | AF | 6F | C5 | 64 | 33 | 5A | CD |
| | 76 | C3 | E5 | 60 | D0 | 04 | 00 | 10 | 01 | B4 | | |

PROACTIVE COMMAND: SEND USSD 4.2.2

Logically:

Command details

Command number:

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 2"

USSD String

Data coding scheme: 7-bit default, no message class

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

Coding:

| BER-TLV: | D0 | 56 | 81 | 03 | 01 | 12 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 32 | 8A | 39 | F0 | 41 | E1 | 90 | 58 |
| | 34 | 1E | 91 | 49 | E5 | 92 | D9 | 74 | 3E | A1 | 51 | E9 |
| | 94 | 5A | B5 | 5E | B1 | 59 | 6D | 2B | 2C | 1E | 93 | CB |
| | E6 | 33 | 3A | AD | 5E | В3 | DB | EE | 37 | 3C | 2E | 9F |
| | D3 | EB | F6 | 3B | 3E | AF | 6F | C5 | 64 | 33 | 5A | CD |
| | 76 | C3 | E5 | 60 | | | | | | | | |

TERMINAL RESPONSE: SEND USSD 4.2.1

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Text String

Data coding scheme: 7-bit default, no message class String: "USSD string received from SS"

Coding:

| BER-TLV: | 81 | 03 | 01 | 12 | 00 | 82 | 02 | 82 | 81 | 83 | 01 |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | 8D | 1A | 00 | D5 | E9 | 94 | 80 | 9A | D3 | E5 |
| | 69 | F7 | 19 | 24 | 2F | 8F | CB | 69 | 7B | 99 | 0C |
| | 32 | CB | DF | 6D | D0 | 74 | 0A | | | | |

27.22.4.12.4.2.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.2.

27.22.4.12.4.3 SEND USSD (support of Text Attribute – Right Alignment)

27.22.4.12.4.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.12.4.3.2 Conformance requirement

The terminal shall support the Proactive UICC: Send USSD facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.12, clause 6.6.11, clause 8.12.7, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.17, clause 8.31 and clause 6.5.

27.22.4.12.4.3.3 Test purpose

To verify that the ME displays the alpha identifier according to the right alignment text attribute configuration in the SEND USSD proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.12.4.3.4 Method of test

27.22.4.12.4.3.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table.

The elementary files are coded as UICC default. Prior to this test the terminal shall have been powered on, performed the PROFILE DOWNLOAD procedure and be in updated idle mode on the USS.

27.22.4.12.4.3.4.2 Procedure

Expected Sequence 4.3 (SEND USSD, 7-bit data, successful, with Text Attribute – Right Alignment)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|----------------------------|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND USSD 4.3.1 | |
| 2 | | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | |
| | | USSD 4.3.1 | |
| 4 | $ME \rightarrow USER$ | Display "Text Attribute 1" | [Alpha identifier is displayed with right alignment] |
| 5 | $ME \to USS$ | REGISTER 4.1 | |
| 6 | $USS \to ME$ | RELEASE COMPLETE (SS | ["USSD string received from SS"] |
| | | RETURN RESULT) 4.1 | |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | |
| | | USSD 4.3.1 | |
| 8 | $UICC \to ME$ | PROACTIVE COMMAND | |
| 9 | ME | PENDING: SEND USSD 4.3.2 | |
| _ | ME → UICC | | |
| 10 | UICC → ME | PROACTIVE COMMAND: SEND | |
| 11 | ME LIGED | USSD 4.3.2 | [Alpha identifier is displayed without right |
| 111 | ME → USER | Display "Text Attribute 2" | [Alpha identifier is displayed without right alignment. Remark: If right alignment is the |
| | | | ME's default alignment as declared in table |
| | | | A.2/13, no alignment change will take place] |
| 12 | $ME \to USS$ | REGISTER 4.1 | 7.27 13, 113 alignment change will take place] |
| 13 | USS → ME | RELEASE COMPLETE (SS | ["USSD string received from SS"] |
| 13 | | RETURN RESULT) 4.1 | [COOD String received from CO] |
| 14 | ME → LIICC | TERMINAL RESPONSE: SEND | |
| 1 | W.E | USSD 4.3.1 | |

PROACTIVE COMMAND: SEND USSD 4.3.1

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 1"

USSD String

Data coding scheme: 7-bit default, no message class

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Right Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

| BER-TLV: | D0 | 5C | 81 | 03 | 01 | 12 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 31 | 8A | 39 | F0 | 41 | E1 | 90 | 58 |
| | 34 | 1E | 91 | 49 | E5 | 92 | D9 | 74 | 3E | A1 | 51 | E9 |
| | 94 | 5A | B5 | 5E | B1 | 59 | 6D | 2B | 2C | 1E | 93 | CB |
| | E6 | 33 | 3A | AD | 5E | В3 | DB | EE | 37 | 3C | 2E | 9F |
| | D3 | EB | F6 | 3B | 3E | AF | 6F | C5 | 64 | 33 | 5A | CD |
| | 76 | C3 | E5 | 60 | D0 | 04 | 00 | 10 | 02 | B4 | | |

PROACTIVE COMMAND: SEND USSD 4.3.2

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 2"

USSD String

Data coding scheme: 7-bit default, no message class

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

Coding:

| BER-TLV: | D0 | 56 | 81 | 03 | 01 | 12 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 32 | 8A | 39 | F0 | 41 | E1 | 90 | 58 |
| | 34 | 1E | 91 | 49 | E5 | 92 | D9 | 74 | 3E | A1 | 51 | E9 |
| | 94 | 5A | B5 | 5E | B1 | 59 | 6D | 2B | 2C | 1E | 93 | CB |
| | E6 | 33 | 3A | AD | 5E | В3 | DB | EE | 37 | 3C | 2E | 9F |
| | D3 | EB | F6 | 3B | 3E | AF | 6F | C5 | 64 | 33 | 5A | CD |
| | 76 | C3 | F5 | 60 | | | | | | | | |

TERMINAL RESPONSE: SEND USSD 4.3.1

Logically:

Command details

Command number:

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Text String

Data coding scheme: 7-bit default, no message class String: "USSD string received from SS"

| BER-TLV: | 81 | 03 | 01 | 12 | 00 | 82 | 02 | 82 | 81 | 83 | 01 |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | 8D | 1A | 00 | D5 | E9 | 94 | 80 | 9A | D3 | E5 |
| | 69 | F7 | 19 | 24 | 2F | 8F | CB | 69 | 7B | 99 | 0C |
| | 32 | СВ | DF | 6D | D0 | 74 | 0A | | | | |

27.22.4.12.4.3.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.3.

27.22.4.12.4.4 SEND USSD (support of Text Attribute – Large Font Size)

27.22.4.12.4.4.1 Definition and applicability

See clause 3.2.2.

27.22.4.12.4.4.2 Conformance requirement

The terminal shall support the Proactive UICC: Send USSD facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.12, clause 6.6.11, clause 8.12.7, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.17, clause 8.31 and clause 6.5.

27.22.4.12.4.4.3 Test purpose

To verify that the ME displays the alpha identifier according to the large font size text attribute configuration in the SEND USSD proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.12.4.4.4 Method of test

27.22.4.12.4.4.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table.

The elementary files are coded as UICC default. Prior to this test the terminal shall have been powered on, performed the PROFILE DOWNLOAD procedure and be in updated idle mode on the USS.

27.22.4.12.4.4.4.2 Procedure

Expected Sequence 4.4 (SEND USSD, 7-bit data, successful, with Text Attribute – Large Font Size)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | ME 11100 | PENDING: SEND USSD 4.4.1 | |
| 2 3 | ME → UICC | PROACTIVE COMMAND: SEND | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND USSD 4.4.1 | |
| 4 | $ME \rightarrow USER$ | Display "Text Attribute 1" | [Alpha identifier is displayed with large font size] |
| 5 | $ME \rightarrow USS$ | REGISTER 4.1 | |
| 6 | $USS \to ME$ | RELEASE COMPLETE (SS RETURN RESULT) 4.1 | ["USSD string received from SS"] |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND USSD 4.4.1 | |
| 8 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND USSD 4.4.2 | |
| 9 | $ME \rightarrow UICC$ | FETCH | |
| 10 | $UICC \to ME$ | PROACTIVE COMMAND: SEND USSD 4.4.2 | |
| 11 | $ME \rightarrow USER$ | Display "Text Attribute 2" | [Alpha identifier is displayed with normal font size] |
| 12 | $ME \rightarrow USS$ | REGISTER 4.1 | |
| 13 | $USS \to ME$ | RELEASE COMPLETE (SS | ["USSD string received from SS"] |
| 14 | $ME \rightarrow UICC$ | RETURN RESULT) 4.1 TERMINAL RESPONSE: SEND | |
| 15 | $UICC \to ME$ | USSD 4.4.1 PROACTIVE COMMAND PENDING: SEND USSD 4.4.1 | |
| 16 | $ME \rightarrow UICC$ | FETCH | |
| 17 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | |
| 18 | ME → USER | USSD 4.4.1 Display "Text Attribute 1" | [Alpha identifier is displayed with large font size] |
| 19 | $ME \rightarrow USS$ | REGISTER 4.1 | 5125] |
| 20 | USS → ME | RELEASE COMPLETE (SS RETURN RESULT) 4.1 | ["USSD string received from SS"] |
| 21 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND USSD 4.4.1 | |
| 22 | $UICC \to ME$ | PROACTIVE COMMAND | |
| 23 | ME → UICC | PENDING: SEND USSD 4.4.3 FETCH | |
| 24 | $VICC \rightarrow ME$ | PROACTIVE COMMAND: SEND | |
| | 3.00 / WIL | USSD 4.4.3 | |
| 25 | | Display "Text Attribute 3" | [Alpha identifier is displayed with normal font size] |
| 26 | $ME \rightarrow USS$ | REGISTER 4.1 | |
| 27 | $USS \to ME$ | RELEASE COMPLETE (SS RETURN RESULT) 4.1 | ["USSD string received from SS"] |
| 28 | $ME \rightarrow UICC$ | TERMINAL RESPÓNSE: SEND USSD 4.4.1 | |

PROACTIVE COMMAND: SEND USSD 4.4.1

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 1"

USSD String

Data coding scheme: 7-bit default, no message class

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Large Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 5C | 81 | 03 | 01 | 12 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 31 | 8A | 39 | F0 | 41 | E1 | 90 | 58 |
| | 34 | 1E | 91 | 49 | E5 | 92 | D9 | 74 | 3E | A1 | 51 | E9 |
| | 94 | 5A | B5 | 5E | B1 | 59 | 6D | 2B | 2C | 1E | 93 | CB |
| | E6 | 33 | 3A | AD | 5E | В3 | DB | EE | 37 | 3C | 2E | 9F |
| | D3 | EB | F6 | 3B | 3E | AF | 6F | C5 | 64 | 33 | 5A | CD |
| | 76 | C3 | E5 | 60 | D0 | 04 | 00 | 10 | 04 | B4 | | |

PROACTIVE COMMAND: SEND USSD 4.4.2

Logically:

Command details

Command number:

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 2"

USSD String

Data coding scheme: 7-bit default, no message class

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 5C | 81 | 03 | 01 | 12 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 32 | 8A | 39 | F0 | 41 | E1 | 90 | 58 |
| | 34 | 1E | 91 | 49 | E5 | 92 | D9 | 74 | 3E | A1 | 51 | E9 |
| | 94 | 5A | B5 | 5E | B1 | 59 | 6D | 2B | 2C | 1E | 93 | CB |
| | E6 | 33 | 3A | AD | 5E | В3 | DB | EE | 37 | 3C | 2E | 9F |
| | D3 | EB | F6 | 3B | 3E | AF | 6F | C5 | 64 | 33 | 5A | CD |
| | 76 | C3 | F5 | 60 | D0 | 04 | 00 | 10 | 00 | B4 | | |

PROACTIVE COMMAND: SEND USSD 4.4.3

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 3"

USSD String

Data coding scheme: 7-bit default, no message class

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

Coding:

| BER-TLV: | D0 | 56 | 81 | 03 | 01 | 12 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 33 | 8A | 39 | F0 | 41 | E1 | 90 | 58 |
| | 34 | 1E | 91 | 49 | E5 | 92 | D9 | 74 | 3E | A1 | 51 | E9 |
| | 94 | 5A | B5 | 5E | B1 | 59 | 6D | 2B | 2C | 1E | 93 | СВ |
| | E6 | 33 | 3A | AD | 5E | В3 | DB | EE | 37 | 3C | 2E | 9F |
| | D3 | EB | F6 | 3B | 3E | AF | 6F | C5 | 64 | 33 | 5A | CD |
| | 76 | C3 | E5 | 60 | | | | | | | | |

TERMINAL RESPONSE: SEND USSD 4.4.1

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Text String

Data coding scheme: 7-bit default, no message class String: "USSD string received from SS"

Coding:

| BER-TLV: | 81 | 03 | 01 | 12 | 00 | 82 | 02 | 82 | 81 | 83 | 01 |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | 8D | 1A | 00 | D5 | E9 | 94 | 08 | 9A | D3 | E5 |
| | 69 | F7 | 19 | 24 | 2F | 8F | CB | 69 | 7B | 99 | 0C |
| | 32 | СВ | DF | 6D | D0 | 74 | 0A | | | | |

27.22.4.12.4.4.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.4.

27.22.4.12.4.5 SEND USSD (support of Text Attribute – Small Font Size)

27.22.4.12.4.5.1 Definition and applicability

See clause 3.2.2.

27.22.4.12.4.5.2 Conformance requirement

The terminal shall support the Proactive UICC: Send USSD facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.12, clause 6.6.11, clause 8.12.7, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.17, clause 8.31 and clause 6.5.

27.22.4.12.4.5.3 Test purpose

To verify that the ME displays the alpha identifier according to the small font size text attribute configuration in the SEND USSD proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.12.4.5.4 Method of test

27.22.4.12.4.5.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table.

The elementary files are coded as UICC default. Prior to this test the terminal shall have been powered on, performed the PROFILE DOWNLOAD procedure and be in updated idle mode on the USS.

27.22.4.12.4.5.4.2 Procedure

Expected Sequence 4.5 (SEND USSD, 7-bit data, successful, with Text Attribute – Small Font Size)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND USSD 4.5.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND USSD 4.5.1 | |
| 4 | $ME \rightarrow USER$ | Display "Text Attribute 1" | [Alpha identifier is displayed with small font size] |
| 5 | $ME \to USS$ | REGISTER 4.1 | _ |
| 6 | $USS \to ME$ | RELEASE COMPLETE (SS RETURN RESULT) 4.1 | ["USSD string received from SS"] |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPÓNSE: SEND USSD 4.5.1 | |
| 8 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND USSD 4.5.2 | |
| 9 | $ME \rightarrow UICC$ | FETCH | |
| 10 | $UICC \to ME$ | PROACTIVE COMMAND: SEND USSD 4.5.2 | |
| 11 | $ME \rightarrow USER$ | Display "Text Attribute 2" | [Alpha identifier is displayed with normal font size] |
| 12 | $ME \to USS$ | REGISTER 4.1 | |
| 13 | $USS \to ME$ | RELEASE COMPLETE (SS RETURN RESULT) 4.1 | ["USSD string received from SS"] |
| 14 | $ME \rightarrow UICC$ | TERMINAL RESPÓNSE: SEND | |
| 15 | $UICC \to ME$ | USSD 4.5.1 PROACTIVE COMMAND PENDING: SEND USSD 4.5.1 | |
| 16 | $ME \rightarrow UICC$ | FETCH | |
| 17 | $UICC \to ME$ | PROACTIVE COMMAND: SEND USSD 4.5.1 | |
| 18 | $ME \rightarrow USER$ | Display "Text Attribute 1" | [Alpha identifier is displayed with small font size] |
| 19 | $ME \to USS$ | REGISTER 4.1 | |
| 20 | $USS \to ME$ | RELEASE COMPLETE (SS RETURN RESULT) 4.1 | ["USSD string received from SS"] |
| 21 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND USSD 4.5.1 | |
| 22 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND USSD 4.5.3 | |
| 23 | $ME \rightarrow UICC$ | FETCH | |
| 24 | $UICC \to ME$ | PROACTIVE COMMAND: SEND USSD 4.5.3 | |
| 25 | $ME \rightarrow USER$ | Display "Text Attribute 3" | [Alpha identifier is displayed with normal font size] |
| 26 | $ME \to USS$ | REGISTER 4.1 | • |
| 27 | $USS \to ME$ | RELEASE COMPLETE (SS | ["USSD string received from SS"] |
| 28 | $ME \to UICC$ | RETURN RESULT) 4.1 TERMINAL RESPONSE: SEND USSD 4.5.1 | |
| | l | 10000 1.0.1 | |

PROACTIVE COMMAND: SEND USSD 4.5.1

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 1"

USSD String

Data coding scheme: 7-bit default, no message class

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Small Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 5C | 81 | 03 | 01 | 12 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 31 | 8A | 39 | F0 | 41 | E1 | 90 | 58 |
| | 34 | 1E | 91 | 49 | E5 | 92 | D9 | 74 | 3E | A1 | 51 | E9 |
| | 94 | 5A | B5 | 5E | B1 | 59 | 6D | 2B | 2C | 1E | 93 | СВ |
| | E6 | 33 | 3A | AD | 5E | В3 | DB | EE | 37 | 3C | 2E | 9F |
| | D3 | EB | F6 | 3B | 3E | AF | 6F | C5 | 64 | 33 | 5A | CD |
| | 76 | C3 | E5 | 60 | D0 | 04 | 00 | 10 | 08 | B4 | | |

PROACTIVE COMMAND: SEND USSD 4.5.2

Logically:

Command details

Command number:

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 2"

USSD String

Data coding scheme: 7-bit default, no message class

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 5C | 81 | 03 | 01 | 12 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 32 | 8A | 39 | F0 | 41 | E1 | 90 | 58 |
| | 34 | 1E | 91 | 49 | E5 | 92 | D9 | 74 | 3E | A1 | 51 | E9 |
| | 94 | 5A | B5 | 5E | B1 | 59 | 6D | 2B | 2C | 1E | 93 | CB |
| | E6 | 33 | 3A | AD | 5E | В3 | DB | EE | 37 | 3C | 2E | 9F |
| | D3 | EB | F6 | 3B | 3E | AF | 6F | C5 | 64 | 33 | 5A | CD |
| | 76 | C3 | F5 | 60 | D0 | 04 | 00 | 10 | 00 | B4 | | |

PROACTIVE COMMAND: SEND USSD 4.5.3

Logically:

Command details

Command number:

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 3"

USSD String

Data coding scheme: 7-bit default, no message class

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

Coding:

| BER-TLV: | D0 | 56 | 81 | 03 | 01 | 12 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 33 | 8A | 39 | F0 | 41 | E1 | 90 | 58 |
| | 34 | 1E | 91 | 49 | E5 | 92 | D9 | 74 | 3E | A1 | 51 | E9 |
| | 94 | 5A | B5 | 5E | B1 | 59 | 6D | 2B | 2C | 1E | 93 | CB |
| | E6 | 33 | 3A | AD | 5E | В3 | DB | EE | 37 | 3C | 2E | 9F |
| | D3 | EB | F6 | 3B | 3E | AF | 6F | C5 | 64 | 33 | 5A | CD |
| | 76 | C3 | E5 | 60 | | | | | | | | |

TERMINAL RESPONSE: SEND USSD 4.5.1

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Text String

Data coding scheme: 7-bit default, no message class String: "USSD string received from SS"

Coding:

| BER-TLV: | 81 | 03 | 01 | 12 | 00 | 82 | 02 | 82 | 81 | 83 | 01 |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | 8D | 1A | 00 | D5 | E9 | 94 | 80 | 9A | D3 | E5 |
| | 69 | F7 | 19 | 24 | 2F | 8F | CB | 69 | 7B | 99 | 0C |
| | 32 | СВ | DF | 6D | D0 | 74 | 0A | | | | _ |

27.22.4.12.4.5.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.5.

27.22.4.12.4.6 SEND USSD (support of Text Attribute – Bold On)

27.22.4.12.4.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.12.4.6.2 Conformance requirement

The terminal shall support the Proactive UICC: Send USSD facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.12, clause 6.6.11, clause 8.12.7, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.17, clause 8.31 and clause 6.5.

27.22.4.12.4.6.3 Test purpose

To verify that the ME displays the alpha identifier according to the bold text attribute configuration in the SEND USSD proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.12.4.6.4 Method of test

27.22.4.12.4.6.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table.

The elementary files are coded as UICC default. Prior to this test the terminal shall have been powered on, performed the PROFILE DOWNLOAD procedure and be in updated idle mode on the USS.

27.22.4.12.4.6.4.2 Procedure

Expected Sequence 4.6 (SEND USSD, 7-bit data, successful, with Text Attribute – Bold On)

| Step | Direction | MESSAGE / Action | Comments |
|----------|-----------------------|------------------------------------|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND USSD 4.6.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | |
| | | USSD 4.6.1 | |
| 4 | $ME \rightarrow USER$ | Display "Text Attribute 1" | [Alpha identifier is displayed with bold on] |
| 5 | $ME \rightarrow USS$ | REGISTER 4.1 | |
| 6 | $USS \to ME$ | RELEASE COMPLETE (SS | ["USSD string received from SS"] |
| _ | | RETURN RESULT) 4.1 | |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | |
| | | USSD 4.6.1 | |
| 8 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | ME | PENDING: SEND USSD 4.6.2 | |
| 9 | ME → UICC | FETCH | |
| 10 | $UICC \to ME$ | PROACTIVE COMMAND: SEND USSD 4.6.2 | |
| 11 | ME → USER | Display "Text Attribute 2" | [Alpha identifier is displayed with bold off] |
| 12 | ME → USS | REGISTER 4.1 | [/ hpria lacritilicr is displayed with bold oil] |
| 13 | USS → ME | RELEASE COMPLETE (SS | ["USSD string received from SS"] |
| 10 | 000 - IVIL | RETURN RESULT) 4.1 | [COOD string received from GO] |
| 14 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | |
| | | USSD 4.6.1 | |
| 15 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND USSD 4.6.1 | |
| 16 | $ME \rightarrow UICC$ | FETCH | |
| 17 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | |
| | | USSD 4.6.1 | |
| 18 | $ME \rightarrow USER$ | Display "Text Attribute 1" | [Alpha identifier is displayed with bold on] |
| 19 | $ME \rightarrow USS$ | REGISTER 4.1 | |
| 20 | $USS \to ME$ | RELEASE COMPLETE (SS | ["USSD string received from SS"] |
| | | RETURN RESULT) 4.1 | |
| 21 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | |
| 00 | | USSD 4.6.1 | |
| 22 | $UICC \to ME$ | PROACTIVE COMMAND | |
| 22 | ME | PENDING: SEND USSD 4.6.3 | |
| 23 24 | ME → UICC | FETCH | |
| Z4 | $UICC \to ME$ | PROACTIVE COMMAND: SEND USSD 4.6.3 | |
| 25 | ME → USER | Display "Text Attribute 3" | [Alpha identifier is displayed with bold off] |
| 26 | ME → USS | REGISTER 4.1 | ir inplica identified is displayed with bold on |
| 27 | USS → ME | RELEASE COMPLETE (SS | ["USSD string received from SS"] |
| | | RETURN RESULT) 4.1 | [COOD String received from CO] |
| 28 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | |
| | / 2.30 | USSD 4.6.1 | |

PROACTIVE COMMAND: SEND USSD 4.6.1

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 1"

USSD String

Data coding scheme: 7-bit default, no message class

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold On, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 5C | 81 | 03 | 01 | 12 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 31 | 8A | 39 | F0 | 41 | E1 | 90 | 58 |
| | 34 | 1E | 91 | 49 | E5 | 92 | D9 | 74 | 3E | A1 | 51 | E9 |
| | 94 | 5A | B5 | 5E | B1 | 59 | 6D | 2B | 2C | 1E | 93 | СВ |
| | E6 | 33 | 3A | AD | 5E | В3 | DB | EE | 37 | 3C | 2E | 9F |
| | D3 | EB | F6 | 3B | 3E | AF | 6F | C5 | 64 | 33 | 5A | CD |
| | 76 | C3 | E5 | 60 | D0 | 04 | 00 | 10 | 10 | B4 | | |

PROACTIVE COMMAND: SEND USSD 4.6.2

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 2"

USSD String

Data coding scheme: 7-bit default, no message class

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 5C | 81 | 03 | 01 | 12 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 32 | 8A | 39 | F0 | 41 | E1 | 90 | 58 |
| | 34 | 1E | 91 | 49 | E5 | 92 | D9 | 74 | 3E | A1 | 51 | E9 |
| | 94 | 5A | B5 | 5E | B1 | 59 | 6D | 2B | 2C | 1E | 93 | CB |
| | E6 | 33 | 3A | AD | 5E | В3 | DB | EE | 37 | 3C | 2E | 9F |
| | D3 | EB | F6 | 3B | 3E | AF | 6F | C5 | 64 | 33 | 5A | CD |
| | 76 | C3 | E5 | 60 | D0 | 04 | 00 | 10 | 00 | B4 | | |

PROACTIVE COMMAND: SEND USSD 4.6.3

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 3"

USSD String

Data coding scheme: 7-bit default, no message class

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

Coding:

| BER-TLV: | D0 | 56 | 81 | 03 | 01 | 12 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 33 | 8A | 39 | F0 | 41 | E1 | 90 | 58 |
| | 34 | 1E | 91 | 49 | E5 | 92 | D9 | 74 | 3E | A1 | 51 | E9 |
| | 94 | 5A | B5 | 5E | B1 | 59 | 6D | 2B | 2C | 1E | 93 | CB |
| | E6 | 33 | 3A | AD | 5E | В3 | DB | EE | 37 | 3C | 2E | 9F |
| | D3 | EB | F6 | 3B | 3E | AF | 6F | C5 | 64 | 33 | 5A | CD |
| | 76 | C3 | E5 | 60 | | | | | | | | |

TERMINAL RESPONSE: SEND USSD 4.6.1

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: ME Destination device: UICC

Result

General Result: Command performed successfully

Text String

Data coding scheme: 7-bit default, no message class String: "USSD string received from SS"

Coding:

| BER-TLV: | 81 | 03 | 01 | 12 | 00 | 82 | 02 | 82 | 81 | 83 | 01 |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | 8D | 1A | 00 | D5 | E9 | 94 | 08 | 9A | D3 | E5 |
| | 69 | F7 | 19 | 24 | 2F | 8F | СВ | 69 | 7B | 99 | 0C |
| | 32 | СВ | DF | 6D | D0 | 74 | 0A | | | | |

27.22.4.12.4.6.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.6.

27.22.4.12.4.7 SEND USSD (support of Text Attribute – Italic On)

27.22.4.12.4.7.1 Definition and applicability

See clause 3.2.2.

27.22.4.12.4.7.2 Conformance requirement

The terminal shall support the Proactive UICC: Send USSD facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.12, clause 6.6.11, clause 8.12.7, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.17, clause 8.31 and clause 6.5.

27.22.4.12.4.7.3 Test purpose

To verify that the ME displays the alpha identifier according to the italic text attribute configuration in the SEND USSD proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.12.4.7.4 Method of test

27.22.4.12.4.7.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table.

The elementary files are coded as UICC default. Prior to this test the terminal shall have been powered on, performed the PROFILE DOWNLOAD procedure and be in updated idle mode on the USS.

27.22.4.12.4.7.4.2 Procedure

Expected Sequence 4.7 (SEND USSD, 7-bit data, successful, with Text Attribute – Italic On)

| Step | Direction | MESSAGE / Action | Comments |
|----------|---|--|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND USSD 4.7.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | |
| | | USSD 4.7.1 | |
| 4 | $ME \rightarrow USER$ | Display "Text Attribute 1" | [Alpha identifier is displayed with italic on] |
| 5 | $ME \rightarrow USS$ | REGISTER 4.1 | |
| 6 | $USS \to ME$ | RELEASE COMPLETE (SS | ["USSD string received from SS"] |
| _ | | RETURN RESULT) 4.1 | |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | |
| 8 | LUCC ME | USSD 4.7.1 PROACTIVE COMMAND | |
| 0 | $UICC \to ME$ | PENDING: SEND USSD 4.7.2 | |
| 9 | ME → UICC | FETCH | |
| 10 | UICC → ME | PROACTIVE COMMAND: SEND | |
| | OICC - WIL | USSD 4.7.2 | |
| 11 | $ME \rightarrow USER$ | Display "Text Attribute 2" | [Alpha identifier is displayed with italic off] |
| 12 | ME → USS | REGISTER 4.1 | |
| 13 | $USS \to ME$ | RELEASE COMPLETE (SS | ["USSD string received from SS"] |
| | | RETURN RESULT) 4.1 | |
| 14 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | |
| | | USSD 4.7.1 | |
| 15 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND USSD 4.7.1 | |
| 16 | ME → UICC | FETCH | |
| 17 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | |
| 10 | ME LICED | USSD 4.7.1 Display "Text Attribute 1" | [Alpha identifier is displayed with italic on] |
| 18 19 | ME → USER | REGISTER 4.1 | [Alpha identifier is displayed with Italic on] |
| 20 | $\begin{array}{c} ME \to USS \\ USS \to ME \end{array}$ | RELEASE COMPLETE (SS | ["USSD string received from SS"] |
| 20 | USS → IVIE | RETURN RESULT) 4.1 | [033D string received from 33] |
| 21 | ME → UICC | TERMINAL RESPONSE: SEND | |
| | IVIL -> 0100 | USSD 4.7.1 | |
| 22 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | 0.00 / | PENDING: SEND USSD 4.7.3 | |
| 23 | $ME \rightarrow UICC$ | FETCH | |
| 24 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | |
| 1 | | USSD 4.7.3 | |
| 25 | $ME \rightarrow USER$ | Display "Text Attribute 3" | [Alpha identifier is displayed with italic off] |
| 26 | $ME \rightarrow USS$ | REGISTER 4.1 | |
| 27 | $USS \to ME$ | RELEASE COMPLETE (SS | ["USSD string received from SS"] |
| | | RETURN RESULT) 4.1 | |
| 28 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | |
| | | USSD 4.7.1 | |

PROACTIVE COMMAND: SEND USSD 4.7.1

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 1"

USSD String

Data coding scheme: 7-bit default, no message class

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic On, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 5C | 81 | 03 | 01 | 12 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| · | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 31 | 8A | 39 | F0 | 41 | E1 | 90 | 58 |
| | 34 | 1E | 91 | 49 | E5 | 92 | D9 | 74 | 3E | A1 | 51 | E9 |
| | 94 | 5A | B5 | 5E | B1 | 59 | 6D | 2B | 2C | 1E | 93 | CB |
| | E6 | 33 | 3A | AD | 5E | В3 | DB | EE | 37 | 3C | 2E | 9F |
| | D3 | EB | F6 | 3B | 3E | AF | 6F | C5 | 64 | 33 | 5A | CD |
| | 76 | C3 | E5 | 60 | D0 | 04 | 00 | 10 | 20 | B4 | | |

PROACTIVE COMMAND: SEND USSD 4.7.2

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 2"

USSD String

Data coding scheme: 7-bit default, no message class

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 5C | 81 | 03 | 01 | 12 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 32 | 8A | 39 | F0 | 41 | E1 | 90 | 58 |
| | 34 | 1E | 91 | 49 | E5 | 92 | D9 | 74 | 3E | A1 | 51 | E9 |
| | 94 | 5A | B5 | 5E | B1 | 59 | 6D | 2B | 2C | 1E | 93 | CB |
| | E6 | 33 | 3A | AD | 5E | В3 | DB | EE | 37 | 3C | 2E | 9F |
| | D3 | EB | F6 | 3B | 3E | AF | 6F | C5 | 64 | 33 | 5A | CD |
| | 76 | C3 | E5 | 60 | D0 | 04 | 00 | 10 | 00 | B4 | | |

PROACTIVE COMMAND: SEND USSD 4.7.3

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 3"

USSD String

Data coding scheme: 7-bit default, no message class

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

Coding:

| BER-TLV: | D0 | 56 | 81 | 03 | 01 | 12 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 33 | 8A | 39 | F0 | 41 | E1 | 90 | 58 |
| | 34 | 1E | 91 | 49 | E5 | 92 | D9 | 74 | 3E | A1 | 51 | E9 |
| | 94 | 5A | B5 | 5E | B1 | 59 | 6D | 2B | 2C | 1E | 93 | CB |
| | E6 | 33 | 3A | AD | 5E | В3 | DB | EE | 37 | 3C | 2E | 9F |
| | D3 | EB | F6 | 3B | 3E | AF | 6F | C5 | 64 | 33 | 5A | CD |
| | 76 | C3 | E5 | 60 | | | | | | | | _ |

TERMINAL RESPONSE: SEND USSD 4.7.1

Logically:

Command details

Command number:

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Text String

Data coding scheme: 7-bit default, no message class String: "USSD string received from SS"

Coding:

| BER-TLV: | 81 | 03 | 01 | 12 | 00 | 82 | 02 | 82 | 81 | 83 | 01 |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | 8D | 1A | 00 | D5 | E9 | 94 | 80 | 9A | D3 | E5 |
| | 69 | F7 | 19 | 24 | 2F | 8F | CB | 69 | 7B | 99 | 0C |
| | 32 | СВ | DF | 6D | D0 | 74 | 0A | | | | |

27.22.4.12.4.7.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.7.

27.22.4.12.4.8 SEND USSD (support of Text Attribute – Underline On)

27.22.4.12.4.8.1 Definition and applicability

See clause 3.2.2.

27.22.4.12.4.8.2 Conformance requirement

The terminal shall support the Proactive UICC: Send USSD facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.12, clause 6.6.11, clause 8.12.7, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.17, clause 8.31 and clause 6.5.

27.22.4.12.4.8.3 Test purpose

To verify that the ME displays the alpha identifier according to the underline text attribute configuration in the SEND USSD proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.12.4.8.4 Method of test

27.22.4.12.4.8.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table.

The elementary files are coded as UICC default. Prior to this test the terminal shall have been powered on, performed the PROFILE DOWNLOAD procedure and be in updated idle mode on the USS.

27.22.4.12.4.8.4.2 Procedure

Expected Sequence 4.8 (SEND USSD, 7-bit data, successful, with Text Attribute – Underline On)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND USSD 4.8.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND USSD 4.8.1 | |
| 4 | $ME \rightarrow USER$ | Display "Text Attribute 1" | [Alpha identifier is displayed with underline on] |
| 5 | $ME \to USS$ | REGISTER 4.1 | , |
| 6 | $USS \to ME$ | RELEASE COMPLETE (SS RETURN RESULT) 4.1 | ["USSD string received from SS"] |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPÓNSE: SEND USSD 4.8.1 | |
| 8 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND USSD 4.8.2 | |
| 9 | ME → UICC | FETCH | |
| 10 | $UICC \to ME$ | PROACTIVE COMMAND: SEND USSD 4.8.2 | |
| 11 | $ME \rightarrow USER$ | Display "Text Attribute 2" | [Alpha identifier is displayed with underline off] |
| 12 | $ME \rightarrow USS$ | REGISTER 4.1 | |
| 13 | $USS \to ME$ | RELEASE COMPLETE (SS | ["USSD string received from SS"] |
| 14 | $ME \rightarrow UICC$ | RETURN RESULT) 4.1 TERMINAL RESPONSE: SEND | |
| 15 | $UICC \to ME$ | USSD 4.8.1 PROACTIVE COMMAND PENDING: SEND USSD 4.8.1 | |
| 16 | $ME \rightarrow UICC$ | FETCH | |
| 17 | $UICC \to ME$ | PROACTIVE COMMAND: SEND USSD 4.8.1 | |
| 18 | $ME \rightarrow USER$ | Display "Text Attribute 1" | [Alpha identifier is displayed with underline on] |
| 19 | $ME \to USS$ | REGISTER 4.1 | - |
| 20 | $USS \to ME$ | RELEASE COMPLETE (SS RETURN RESULT) 4.1 | ["USSD string received from SS"] |
| 21 | $ME \rightarrow UICC$ | TERMINAL RESPÓNSE: SEND USSD 4.8.1 | |
| 22 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND USSD 4.8.3 | |
| 23 | $ME \rightarrow UICC$ | FETCH | |
| 24 | $UICC \to ME$ | PROACTIVE COMMAND: SEND USSD 4.8.3 | |
| 25 | $ME \rightarrow USER$ | Display "Text Attribute 3" | [Alpha identifier is displayed with underline off] |
| 26 | $ME \to USS$ | REGISTER 4.1 | 1 |
| 27 | $USS \to ME$ | RELEASE COMPLETE (SS | ["USSD string received from SS"] |
| 28 | $ME \to UICC$ | RETURN RESULT) 4.1 TERMINAL RESPONSE: SEND USSD 4.8.1 | |
| | l . | 0000 11011 | 1 |

PROACTIVE COMMAND: SEND USSD 4.8.1

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 1"

USSD String

Data coding scheme: 7-bit default, no message class

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline On,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 5C | 81 | 03 | 01 | 12 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 31 | 8A | 39 | F0 | 41 | E1 | 90 | 58 |
| | 34 | 1E | 91 | 49 | E5 | 92 | D9 | 74 | 3E | A1 | 51 | E9 |
| | 94 | 5A | B5 | 5E | B1 | 59 | 6D | 2B | 2C | 1E | 93 | CB |
| | E6 | 33 | 3A | AD | 5E | В3 | DB | EE | 37 | 3C | 2E | 9F |
| | D3 | EB | F6 | 3B | 3E | AF | 6F | C5 | 64 | 33 | 5A | CD |
| | 76 | C3 | E5 | 60 | D0 | 04 | 00 | 10 | 40 | B4 | | |

PROACTIVE COMMAND: SEND USSD 4.8.2

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 2"

USSD String

Data coding scheme: 7-bit default, no message class

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 5C | 81 | 03 | 01 | 12 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 32 | 8A | 39 | F0 | 41 | E1 | 90 | 58 |
| | 34 | 1E | 91 | 49 | E5 | 92 | D9 | 74 | 3E | A1 | 51 | E9 |
| | 94 | 5A | B5 | 5E | B1 | 59 | 6D | 2B | 2C | 1E | 93 | CB |
| | E6 | 33 | 3A | AD | 5E | В3 | DB | EE | 37 | 3C | 2E | 9F |
| | D3 | EB | F6 | 3B | 3E | AF | 6F | C5 | 64 | 33 | 5A | CD |
| | 76 | C3 | F5 | 60 | D0 | 04 | 00 | 10 | 00 | B4 | | |

PROACTIVE COMMAND: SEND USSD 4.8.3

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 3"

USSD String

Data coding scheme: 7-bit default, no message class

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

Coding:

| BER-TLV: | D0 | 56 | 81 | 03 | 01 | 12 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 33 | 8A | 39 | F0 | 41 | E1 | 90 | 58 |
| | 34 | 1E | 91 | 49 | E5 | 92 | D9 | 74 | 3E | A1 | 51 | E9 |
| | 94 | 5A | B5 | 5E | B1 | 59 | 6D | 2B | 2C | 1E | 93 | CB |
| | E6 | 33 | 3A | AD | 5E | В3 | DB | EE | 37 | 3C | 2E | 9F |
| | D3 | EB | F6 | 3B | 3E | AF | 6F | C5 | 64 | 33 | 5A | CD |
| | 76 | C3 | E5 | 60 | | | | | | | | |

TERMINAL RESPONSE: SEND USSD 4.8.1

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Text String

Data coding scheme: 7-bit default, no message class String: "USSD string received from SS"

Coding:

| BER-TLV: | 81 | 03 | 01 | 12 | 00 | 82 | 02 | 82 | 81 | 83 | 01 |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | 8D | 1A | 00 | D5 | E9 | 94 | 80 | 9A | D3 | E5 |
| | 69 | F7 | 19 | 24 | 2F | 8F | СВ | 69 | 7B | 99 | 0C |
| | 32 | СВ | DF | 6D | D0 | 74 | 0A | | | | _ |

27.22.4.12.4.8.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.8.

27.22.4.12.4.9 SEND USSD (support of Text Attribute – Strikethrough On)

27.22.4.12.4.9.1 Definition and applicability

See clause 3.2.2.

27.22.4.12.4.9.2 Conformance requirement

The terminal shall support the Proactive UICC: Send USSD facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.12, clause 6.6.11, clause 8.12.7, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.17, clause 8.31 and clause 6.5.

27.22.4.12.4.9.3 Test purpose

To verify that the ME displays the alpha identifier according to the strikethrough text attribute configuration in the SEND USSD proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.12.4.9.4 Method of test

27.22.4.12.4.9.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table.

The elementary files are coded as UICC default. Prior to this test the terminal shall have been powered on, performed the PROFILE DOWNLOAD procedure and be in updated idle mode on the USS.

27.22.4.12.4.9.4.2 Procedure

Expected Sequence 4.9 (SEND USSD, 7-bit data, successful, with Text Attribute – Strikethrough On)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|------------------------------------|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND USSD 4.9.1 | |
| 2 | ME → UICC | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND USSD 4.9.1 | |
| 4 | $ME \rightarrow USER$ | Display "Text Attribute 1" | [Alpha identifier is displayed with strikethrough on] |
| 5 | $ME \rightarrow USS$ | REGISTER 4.1 | |
| 6 | $USS \to ME$ | RELEASE COMPLETE (SS | ["USSD string received from SS"] |
| _ | | RETURN RESULT) 4.1 | |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | |
| 8 | LUCC ME | USSD 4.9.1 PROACTIVE COMMAND | |
| 0 | UICC → ME | PENDING: SEND USSD 4.9.2 | |
| 9 | $ME \rightarrow UICC$ | FETCH | |
| 10 | UICC → ME | PROACTIVE COMMAND: SEND | |
| | | USSD 4.9.2 | |
| 11 | $ME \rightarrow USER$ | Display "Text Attribute 2" | [Alpha identifier is displayed with strikethrough |
| 12 | ME → USS | REGISTER 4.1 | off] |
| 13 | USS → ME | RELEASE COMPLETE (SS | ["USSD string received from SS"] |
| | | RETURN RESULT) 4.1 | |
| 14 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | |
| | | USSD 4.9.1 | |
| 15 | $UICC \to ME$ | PROACTIVE COMMAND | |
| 40 | | PENDING: SEND USSD 4.9.1 | |
| 16 | ME → UICC | FETCH | |
| 17 | $UICC \to ME$ | PROACTIVE COMMAND: SEND USSD 4.9.1 | |
| 18 | ME → USER | Display "Text Attribute 1" | [Alpha identifier is displayed with strikethrough |
| . | ML 700LK | Display Toxe / Millioute T | on] |
| 19 | $ME \to USS$ | REGISTER 4.1 | , |
| 20 | $USS \to ME$ | RELEASE COMPLETE (SS | ["USSD string received from SS"] |
| | | RETURN RESULT) 4.1 | |
| 21 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | |
| 22 | LUCO ME | USSD 4.9.1 PROACTIVE COMMAND | |
| 22 | $UICC \to ME$ | PENDING: SEND USSD 4.9.3 | |
| 23 | ME → UICC | FETCH | |
| 24 | UICC → ME | PROACTIVE COMMAND: SEND | |
| | J.CC / IVIL | USSD 4.9.3 | |
| 25 | $ME \rightarrow USER$ | | [Alpha identifier is displayed with strikethrough |
| 1 | | | off] |
| 26 | $ME \rightarrow USS$ | REGISTER 4.1 | |
| 27 | $USS \to ME$ | RELEASE COMPLETE (SS | ["USSD string received from SS"] |
| 20 | ME LUCC | RETURN RESULT) 4.1 | |
| 28 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND USSD 4.9.1 | |
| | | ויפיד סססס | |

PROACTIVE COMMAND: SEND USSD 4.9.1

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 1"

USSD String

Data coding scheme: 7-bit default, no message class

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough On

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 5C | 81 | 03 | 01 | 12 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| · | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 31 | 8A | 39 | F0 | 41 | E1 | 90 | 58 |
| | 34 | 1E | 91 | 49 | E5 | 92 | D9 | 74 | 3E | A1 | 51 | E9 |
| | 94 | 5A | B5 | 5E | B1 | 59 | 6D | 2B | 2C | 1E | 93 | CB |
| | E6 | 33 | 3A | AD | 5E | В3 | DB | EE | 37 | 3C | 2E | 9F |
| | D3 | EB | F6 | 3B | 3E | AF | 6F | C5 | 64 | 33 | 5A | CD |
| | 76 | C3 | E5 | 60 | D0 | 04 | 00 | 10 | 80 | B4 | | |

PROACTIVE COMMAND: SEND USSD 4.9.2

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 2"

USSD String

Data coding scheme: 7-bit default, no message class

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 5C | 81 | 03 | 01 | 12 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 32 | 8A | 39 | F0 | 41 | E1 | 90 | 58 |
| | 34 | 1E | 91 | 49 | E5 | 92 | D9 | 74 | 3E | A1 | 51 | E9 |
| | 94 | 5A | B5 | 5E | B1 | 59 | 6D | 2B | 2C | 1E | 93 | CB |
| | E6 | 33 | 3A | AD | 5E | В3 | DB | EE | 37 | 3C | 2E | 9F |
| | D3 | EB | F6 | 3B | 3E | AF | 6F | C5 | 64 | 33 | 5A | CD |
| | 76 | C3 | F5 | 60 | D0 | 04 | 00 | 10 | 00 | B4 | | |

PROACTIVE COMMAND: SEND USSD 4.9.3

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 3"

USSD String

Data coding scheme: 7-bit default, no message class

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

Coding:

| BER-TLV: | D0 | 56 | 81 | 03 | 01 | 12 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 33 | 8A | 39 | F0 | 41 | E1 | 90 | 58 |
| | 34 | 1E | 91 | 49 | E5 | 92 | D9 | 74 | 3E | A1 | 51 | E9 |
| | 94 | 5A | B5 | 5E | B1 | 59 | 6D | 2B | 2C | 1E | 93 | CB |
| | E6 | 33 | 3A | AD | 5E | В3 | DB | EE | 37 | 3C | 2E | 9F |
| | D3 | EB | F6 | 3B | 3E | AF | 6F | C5 | 64 | 33 | 5A | CD |
| | 76 | C3 | E5 | 60 | | | | | | | | |

TERMINAL RESPONSE: SEND USSD 4.9.1

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Text String

Data coding scheme: 7-bit default, no message class String: "USSD string received from SS"

Coding:

| BER-TLV: | 81 | 03 | 01 | 12 | 00 | 82 | 02 | 82 | 81 | 83 | 01 |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | 8D | 1A | 00 | D5 | E9 | 94 | 80 | 9A | D3 | E5 |
| | 69 | F7 | 19 | 24 | 2F | 8F | СВ | 69 | 7B | 99 | 0C |
| | 32 | СВ | DF | 6D | D0 | 74 | 0A | | | | _ |

27.22.4.12.4.9.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.9.

27.22.4.12.4.10 SEND USSD (support of Text Attribute – Foreground and Background Colour)

27.22.4.12.4.10.1 Definition and applicability

See clause 3.2.2.

27.22.4.12.4.10.2 Conformance requirement

The terminal shall support the Proactive UICC: Send USSD facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.12, clause 6.6.11, clause 8.12.7, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.17, clause 8.31 and clause 6.5.

27.22.4.12.4.10.3 Test purpose

To verify that the ME displays the alpha identifier according to the foreground and background colour text attribute configuration in the SEND USSD proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.12.4.10.4 Method of test

27.22.4.12.4.10.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table.

The elementary files are coded as UICC default. Prior to this test the terminal shall have been powered on, performed the PROFILE DOWNLOAD procedure and be in updated idle mode on the USS.

27.22.4.12.4.10.4.2 Procedure

Expected Sequence 4.10 (SEND USSD, 7-bit data, successful, with Text Attribute – Foreground and Background Colour)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND USSD 4.10.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | |
| | | USSD 4.10.1 | |
| 4 | $ME \rightarrow USER$ | Display "Text Attribute 1" | [Message shall be formatted with foreground |
| | | | and background colour according to text |
| 5 | ME → USS | REGISTER 4.1 | attribute configuration] |
| 6 | WIL 7 000 | | ["LICCD string resolved from CC"] |
| 0 | $USS \to ME$ | RELEASE COMPLETE (SS RETURN RESULT) 4.1 | ["USSD string received from SS"] |
| 7 | ME -> LIICC | TERMINAL RESPONSE: SEND | |
| , | IVIL 70100 | USSD 4.10.1 | |
| 8 | UICC → ME | PROACTIVE COMMAND | |
| | | PENDING: SEND USSD 4.10.2 | |
| 9 | $ME \rightarrow UICC$ | FETCH | |
| 10 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | |
| | | USSD 4.10.2 | |
| 11 | $ME \rightarrow USER$ | Display "Text Attribute 2" | [Message shall be formatted with ME"s |
| | | | default foreground and background colour] |
| 12 | IVIL | REGISTER 4.1 | |
| 13 | $USS \to ME$ | RELEASE COMPLETE (SS | ["USSD string received from SS"] |
| | | RETURN RESULT) 4.1 | |
| 14 | $ME \rightarrow UICC$ | | |
| | | USSD 4.10.1 | |

PROACTIVE COMMAND: SEND USSD 4.10.1

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 1"

USSD String

Data coding scheme: 7-bit default, no message class

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 5C | 81 | 03 | 01 | 12 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 31 | 8A | 39 | F0 | 41 | E1 | 90 | 58 |
| | 34 | 1E | 91 | 49 | E5 | 92 | D9 | 74 | 3E | A1 | 51 | E9 |
| | 94 | 5A | B5 | 5E | B1 | 59 | 6D | 2B | 2C | 1E | 93 | CB |
| | E6 | 33 | 3A | AD | 5E | В3 | DB | EE | 37 | 3C | 2E | 9F |
| | D3 | EB | F6 | 3B | 3E | AF | 6F | C5 | 64 | 33 | 5A | CD |
| | 76 | C3 | E5 | 60 | D0 | 04 | 00 | 10 | 00 | B4 | | |

PROACTIVE COMMAND: SEND USSD 4.10.2

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 2"

USSD String

Data coding scheme: 7-bit default, no message class

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

Coding:

| BER-TLV: | D0 | 56 | 81 | 03 | 01 | 12 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| '- | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
| | 75 | 74 | 65 | 20 | 32 | 8A | 39 | F0 | 41 | E1 | 90 | 58 |
| | 34 | 1E | 91 | 49 | E5 | 92 | D9 | 74 | 3E | A1 | 51 | E9 |
| | 94 | 5A | B5 | 5E | B1 | 59 | 6D | 2B | 2C | 1E | 93 | СВ |
| | E6 | 33 | 3A | AD | 5E | В3 | DB | EE | 37 | 3C | 2E | 9F |
| | D3 | EB | F6 | 3B | 3E | AF | 6F | C5 | 64 | 33 | 5A | CD |
| | 76 | C3 | E5 | 60 | | | | | | | | |

TERMINAL RESPONSE: SEND USSD 4.10.1

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Text String

Data coding scheme: 7-bit default, no message class
String: "USSD string received from SS"

Coding:

| BER-TLV: | 81 | 03 | 01 | 12 | 00 | 82 | 02 | 82 | 81 | 83 | 01 |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | 8D | 1A | 00 | D5 | E9 | 94 | 80 | 9A | D3 | E5 |
| | 69 | F7 | 19 | 24 | 2F | 8F | CB | 69 | 7B | 99 | 0C |
| | 32 | СВ | DF | 6D | D0 | 74 | 0A | | | | |

27.22.4.12.4.10.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.10.

27.22.4.12.5 SEND USSD (UCS2 display in Chinese)

27.22.4.12.5.1 Definition and applicability

See clause 3.2.2.

27.22.4.12.5.2 Conformance requirement

The ME shall support the Proactive UICC: Send USSD facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.12, clause 6.6.11, clause 8.12.7, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.17, clause 8.31 and clause 6.5.
- TS 23.038 [7] clause 5

Additionally the ME shall support the UCS2 facility for the coding of the Chinese characters, as defined in: ISO/IEC 10646 [17].

27.22.4.12.5.3 Test purpose

To verify that the ME displays the UCS2 text contained in the SEND USSD proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.12.5.4 Method of test

27.22.4.12.5.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table. The elementary files are coded as USIM Application Toolkit default. Prior to this test the ME shall have been powered on, performed the PROFILE DOWNLOAD procedure and be in updated idle mode on the USS.

27.22.4.12.5.4.2 Procedure

Expected Sequence 5.1 (SEND USSD, 7-bit data, successful, UCS2 text in Chinese)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|------------------------------------|----------------------------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND | |
| | | USSD 5.1.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND USSD 5.1.1 | |
| 4 | $ME \to USER$ | Display "你好" | ["Hello" in Chinese] |
| 5 | $ME \to USS$ | REGISTER 5.1 | |
| 6 | $USS \to ME$ | RELEASE COMPLETE (SS RETURN | [Successful] |
| | | RESULT) 5.1 | - |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND USSD 5.1.1 | [Command performed successfully] |

PROACTIVE COMMAND: SEND USSD 5.1.1

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha Identifier

Data coding scheme: UCS2 (16bit) Text: "你好"

USSD String

Data coding scheme: 7-bit default, no message class

USSD String: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

Coding:

| BER-TLV: | D0 | 4B | 81 | 03 | 01 | 12 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 05 | 80 | 4F | 60 | 59 | 7D | 8A | 39 | F0 | 41 | E1 | 90 |
| | 58 | 34 | 1E | 91 | 49 | E5 | 92 | D9 | 74 | 3E | A1 | 51 |
| | E9 | 94 | 5A | B5 | 5E | B1 | 59 | 6D | 2B | 2C | 1E | 93 |
| | CB | E6 | 33 | 3A | AD | 5E | B3 | DB | EE | 37 | 3C | 2E |
| | 9F | D3 | EB | F6 | 3B | 3E | AF | 6F | C5 | 64 | 33 | 5A |
| | CD | 76 | C3 | E5 | 60 | | | | | | | |

REGISTER 5.1

Logically (only USSD argument)

ProcessUnstructuredSS-Request ARGUMENT

USSD-Data Coding Scheme:

- 7-bit default, no message class

USSD String:

- "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-1234567890"

Coding:

| Coding | 30 | 3D | 04 | 01 | F0 | 04 | 38 | 41 | E1 | 90 | 58 | 34 |
|--------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 1E | 91 | 49 | E5 | 92 | D9 | 74 | 3E | A1 | 51 | E9 | 94 |
| | 5A | B5 | 5E | B1 | 59 | 6D | 2B | 2C | 1E | 93 | CB | E6 |
| | 33 | 3A | AD | 5E | В3 | DB | EE | 37 | 3C | 2E | 9F | D3 |
| | EB | F6 | 3B | 3E | AF | 6F | C5 | 64 | 33 | 5A | CD | 76 |
| | C3 | E5 | 60 | | | | | | | | | |

RELEASE COMPLETE (SS RETURN RESULT) 5.1

Logically (only from USSD result):

ProcessUnstructuredSS-Request RETURN RESULT

USSD-DataCodingScheme:

- 7-bit default, no message class

USSD String:

- "USSD string received from SS"

Coding:

| Coding | 30 | 1E | 04 | 01 | 00 | 04 | 19 | D5 | E9 | 94 | 08 | 9A |
|--------|----|----|----|----|----|----|----|----|----|----|----|----|
| | D3 | E5 | 69 | F7 | 19 | 24 | 2F | 8F | CB | 69 | 7B | 99 |
| | 0C | 32 | CB | DF | 6D | D0 | 74 | 0A | | | | |

TERMINAL RESPONSE: SEND USSD 5.1.1

Logically:

Command details

Command number:

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Text String

Data coding scheme: 7-bit default, no message class String: "USSD string received from SS"

Coding:

| BER-TLV: | 81 | 03 | 01 | 12 | 00 | 82 | 02 | 82 | 81 | 83 | 01 |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | 8D | 1A | 00 | D5 | E9 | 94 | 08 | 9A | D3 | E5 |
| | 69 | F7 | 19 | 24 | 2F | 8F | CB | 69 | 7B | 99 | 0C |
| | 32 | CB | DF | 6D | D0 | 74 | 0A | | | | |

27.22.4.12.5.5 Test requirement

The ME shall operate in the manner defined in expected sequence 5.1.

27.22.4.12.6 SEND USSD (UCS2 display in Katakana)

27.22.4.12.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.12.6.2 Conformance requirement

The ME shall support the Proactive UICC: Send USSD facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.12, clause 6.6.11, clause 8.12.7, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.17, clause 8.31 and clause 6.5.
- TS 23.038 [7] clause 5

Additionally the ME shall support the UCS2 facility for the coding of the Katakana characters, as defined in: ISO/IEC 10646 [17].

27.22.4.12.6.3 Test purpose

To verify that the ME displays the UCS2 text contained in the SEND USSD proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.12.6.4 Method of test

27.22.4.12.6.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table. The elementary files are coded as USIM Application Toolkit default. Prior to this test the ME shall have been powered on, performed the PROFILE DOWNLOAD procedure and be in updated idle mode on the USS.

27.22.4.12.6.4.2 Procedure

Expected Sequence 6.1 (SEND USSD, 7-bit data, successful, UCS2 text in Katakana)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|------------------------------------|----------------------------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND | |
| | | USSD 6.1.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND USSD 6.1.1 | |
| 4 | $ME \rightarrow USER$ | Display "ル" | [Character " in Katakana] |
| 5 | $ME \to USS$ | REGISTER 6.1 | |
| 6 | $USS \to ME$ | RELEASE COMPLETE (SS RETURN | [Successful] |
| | | RESULT) 6.1 | |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND USSD 6.1.1 | [Command performed successfully] |

PROACTIVE COMMAND: SEND USSD 6.1.1

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha Identifier

Data coding scheme: UCS2 (16bit)

Text: ")\(\mu\'

USSD String

Data coding scheme: 7-bit default, no message class

USSD String: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

Coding:

| BER-TLV: | D0 | 49 | 81 | 03 | 01 | 12 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 03 | 80 | 30 | EB | 8A | 39 | F0 | 41 | E1 | 90 | 58 | 34 |
| | 1E | 91 | 49 | E5 | 92 | D9 | 74 | 3E | A1 | 51 | E9 | 94 |
| | 5A | B5 | 5E | B1 | 59 | 6D | 2B | 2C | 1E | 93 | CB | E6 |
| | 33 | 3A | AD | 5E | В3 | DB | EE | 37 | 3C | 2E | 9F | D3 |
| | EB | F6 | 3B | 3E | AF | 6F | C5 | 64 | 33 | 5A | CD | 76 |
| | C3 | E5 | 60 | | | | | | | | | |

REGISTER 6.1

Logically (only USSD argument)

ProcessUnstructuredSS-Request ARGUMENT

USSD-DataCodingScheme:

- 7-bit default, no message class

USSD String:

- "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-1234567890"

Coding:

| Coding | 30 | 3D | 04 | 01 | F0 | 04 | 38 | 41 | E1 | 90 | 58 | 34 |
|--------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 1E | 91 | 49 | E5 | 92 | D9 | 74 | 3E | A1 | 51 | E9 | 94 |
| | 5A | B5 | 5E | B1 | 59 | 6D | 2B | 2C | 1E | 93 | CB | E6 |
| | 33 | 3A | AD | 5E | B3 | DB | EE | 37 | 3C | 2E | 9F | D3 |
| | EB | F6 | 3B | 3E | AF | 6F | C5 | 64 | 33 | 5A | CD | 76 |
| | C3 | E5 | 60 | | | | | | | | | |

RELEASE COMPLETE (SS RETURN RESULT) 6.1

Logically (only from USSD result):

ProcessUnstructuredSS-Request RETURN RESULT

USSD-DataCodingScheme:

- 7-bit default, no message class

USSD String:

- "USSD string received from SS"

Coding:

| Coding | 30 | 1E | 04 | 01 | 00 | 04 | 19 | D5 | E9 | 94 | 08 | 9A |
|--------|----|----|----|----|----|----|----|----|----|----|----|----|
| | D3 | E5 | 69 | F7 | 19 | 24 | 2F | 8F | СВ | 69 | 7B | 99 |
| | 0C | 32 | CB | DF | 6D | D0 | 74 | 0A | | | | |

TERMINAL RESPONSE: SEND USSD 6.1.1

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Text String

Data coding scheme: 7-bit default, no message class String: "USSD string received from SS"

Coding:

| BER-TLV: | 81 | 03 | 01 | 12 | 00 | 82 | 02 | 82 | 81 | 83 | 01 |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | 8D | 1A | 00 | D5 | E9 | 94 | 08 | 9A | D3 | E5 |
| | 69 | F7 | 19 | 24 | 2F | 8F | СВ | 69 | 7B | 99 | 0C |
| | 32 | CB | DF | 6D | D0 | 74 | OΑ | | | | |

27.22.4.12.6.5 Test requirement

The ME shall operate in the manner defined in expected sequence 6.1.

27.22.4.13 SET UP CALL

27.22.4.13.1 SET UP CALL (normal)

27.22.4.13.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.13.1.2 Conformance requirement

The ME shall support the Proactive UICC: Set Up Call facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.13, clause 6.6.12, clause 8.6, clause 8.7, clause 8.12, clause 8.12.3 and clause 5.2.

27.22.4.13.1.3 Test purpose

To verify that the ME accepts the Proactive Command - Set Up Call, displays the alpha identifier to the user, attempts to set up a call to the address and returns the result in the TERMINAL RESPONSE.

27.22.4.13.1.4 Method of test

27.22.4.13.1.4.1 Initial conditions

The ME is connected to both the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default, with the following exceptions for sequence 1.1 only:

- The Outgoing Call Information (OCI and OCT) service is available in the USIM Service Table.
- ${\rm EF}_{\rm OCI}$ (Outgoing Call Information) is present with the following content:

Logically: Invalid

Byte: B01 B41 **B42 B43 B44** B45 **B46 B47** ... Coding: FF FF 00 00 00 01

- EF_{OCT} (Outgoing Call Timer) is present with the following content:

Logically: Accumulated call timer value: 0

Byte: B01 B02 B03 Coding: 00 00 00

Prior to this test the ME shall have been powered on, performed the PROFILE DOWNLOAD procedure and be in updated idle mode on the USS.

27.22.4.13.1.4.2 Procedure

Expected Sequence 1.1 (SET UP CALL, call confirmed by the user and connected)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|----------------------------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SET | |
| | | UP CALL 1.1.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP CALL | |
| | | 1.1.1 | |
| 4 | $ME \rightarrow USER$ | ME displays "Not busy" during user | |
| | | confirmation phase. | |
| 5 | $USER \to ME$ | The user confirms the call set up | [user confirmation] |
| 6 | $ME \to USS$ | The ME attempts to set up a call to | |
| | | "+012340123456" | |
| 7 | $USS \to ME$ | 9 | [The USS also has to handle the |
| | | from the USS. | START DTMF and STOP DTMF |
| | | | messages sent by the ME in an |
| | | TERMINAL RESPONSE 4.4.4 | appropriate way] |
| 8 | W.E / 0.00 | TERMINAL RESPONSE 1.1.1 | [Command performed successfully] |
| 9 | $USER \to ME$ | The user ends the call after 10 s. | |
| | | The ME returns to idle mode. | |
| 10 | ME → UICC | The ME shall not have updated EF OCI or | |
| | | EF OCT with the call set-up details. | |

PROACTIVE COMMAND: SET UP CALL 1.1.1

Logically:

Command details

Command number: 1

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: "Not busy"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456p1p2"

Coding:

| BER-TLV [:] | D0 | 1E | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------------------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 08 | 4E | 6F | 74 | 20 | 62 | 75 | 73 | 79 | 86 | 09 | 91 |
| | 10 | 32 | 04 | 21 | 43 | 65 | 1C | 2C | | | | |

TERMINAL RESPONSE: SET UP CALL 1.1.1

Logically:

Command details

Command number: 1

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

424

| BER-TLV: | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

Expected Sequence 1.2 (SET UP CALL, call rejected by the user)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|-----------------------------------|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SET UP CALL 1.1.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP | |
| | | CALL 1.1.1 | |
| 4 | $ME \rightarrow USER$ | ME displays "Not busy" during the | |
| | | user confirmation phase | |
| 5 | $USER \to ME$ | The user rejects the set up call | [user rejects the call] |
| 6 | $ME \to UICC$ | TERMINAL RESPONSE 1.2.1 | [User did not accept call set-up request] |
| | | | |
| 7 | $ME \rightarrow USER$ | The ME returns in idle mode. | |

TERMINAL RESPONSE: SET UP CALL 1.2.1

Logically:

Command details

Command number: 1

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: ME
Destination device: UICC

Result

General Result: User did not accept the proactive command

Coding:

Expected Sequence 1.3void

Expected Sequence 1.4 (SET UP CALL, putting all other calls on hold, ME busy)

ME is busy on a call

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SET | |
| | | UP CALL 1.4.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP CALL 1.4.1 | [putting all other calls on hold] |
| 4 | $ME \rightarrow USER$ | ME displays "On hold" during the user confirmation phase | |
| 5 | $USER \rightarrow ME$ | The user confirms the set up call | [user confirms the call] |
| 6 | $ME \rightarrow USS$ | The active call is put on hold | |
| 7 | ME→USS | The ME attempts to set up a call to "+012340123456" | |
| 8 | USS → ME | | [The USS also has to handle the START DTMF and STOP DTMF messages sent by the ME in an appropriate way] |
| 9 | $ME \rightarrow UICC$ | | [Command performed successfully] |
| 10 | $USER \to ME$ | The user ends the call after 10 s. The ME retrieves the previous call | |

automatically or on request of the user.

425

PROACTIVE COMMAND: SET UP CALL 1.4.1

Logically:

Command details

Command number: 1

Command type: SET UP CALL

Command qualifier: putting all other calls on hold

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: "On hold"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456p1p2"

Coding:

| BER-TLV: | D0 | 1D | 81 | 03 | 01 | 10 | 02 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 07 | 4F | 6E | 20 | 68 | 6F | 6C | 64 | 86 | 09 | 91 | 10 |
| | 32 | 04 | 21 | 43 | 65 | 1C | 2C | | | | | |

TERMINAL RESPONSE: SET UP CALL 1.4.1

Logically:

Command details

Command number: 1

Command type: SET UP CALL

Command qualifier: putting all other calls on hold

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 10 | 02 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|---------------|----------|----|----|----|----------------|-----|----|----|----------|----|-----|----|
| D-1 (1 - V) | <u> </u> | 00 | | | _ _ | - U | | U_ | . | | , . | |

Expected Sequence 1.5 (SET UP CALL, disconnecting all other calls, ME busy)

ME is busy on a call

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--|----------------------------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SET | |
| | | UP CALL 1.5.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP CALL | [disconnecting all other calls] |
| | | 1.5.1 | |
| 4 | $ME \rightarrow USER$ | ME displays "Disconnect" during the user | |
| | | confirmation phase | |
| 5 | | The user confirms the set up call | [user confirms the call] |
| 6 | $ME \to USS$ | The ME disconnects the active call | |
| 7 | $ME { ightarrow} USS$ | The ME attempts to set up a call to | |
| | | "+012340123456" | |
| 8 | $USS \to ME$ | The ME receives the CONNECT message | [The USS also has to handle the |
| | | from the USS. | START DTMF and STOP DTMF |
| | | | messages sent by the ME in an |
| | | TERMINIAL RESPONSE 4.5.4 | appropriate way] |
| 9 | $ME \rightarrow UICC$ | TERMINAL RESPONSE 1.5.1 | [Command performed successfully] |
| 10 | $USER \to ME$ | The user ends the call after 10 s. | |

PROACTIVE COMMAND: SET UP CALL 1.5.1

Logically:

Command details

Command number: 1

Command type: SET UP CALL

Command qualifier: disconnecting all other calls

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: "Disconnect"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456p1p2"

Coding:

| BER-TLV: | D0 | 20 | 81 | 03 | 01 | 10 | 04 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----------------|----|----|----|----|----|----|----|
| | 0A | 44 | 69 | 73 | 6 ³ | 6⁻ | 6E | 6E | 65 | 63 | 74 | 86 |
| | 09 | 91 | 10 | 32 | 04 | 21 | 43 | 65 | 1C | 2C | | |

TERMINAL RESPONSE: SET UP CALL 1.5.1

Logically:

Command details

Command number: 1

Command type: SET UP CALL

Command qualifier: putting all other calls on hold

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 10 | 04 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|-----|----|----|-----|----------|----|----|----|----------|----|----------|----|
| | • . | | | . • | . | | ~- | | . | | . | |

Expected Sequence 1.6 (SET UP CALL, only if not currently busy on another call, ME busy)

ME is busy on a call

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|----------------------------|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SET UP CALL 1.1.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP | [only if not currently busy on another call] |
| | | CALL 1.1.1 | |
| 4 | $ME \rightarrow UICC$ | TERMINAL RESPONSE 1.6.1 | [ME currently unable to process command] |

TERMINAL RESPONSE: SET UP CALL 1.6.1

Logically:

Command details

Command number:

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: ME
Destination device: UICC

Result

General Result: ME currently unable to process command

Additional Information: ME currently busy on call

Coding:

| BER-TLV: | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 82 | 81 | 83 | 02 | 20 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 02 | | | | | | | | | | | |

Expected Sequence 1.7 (SET UP CALL, putting all other calls on hold, call hold is not allowed)

ME is busy on a call. The USS shall be configured to not allow Call Hold.

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|-----------------------------------|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SET UP CALL 1.4.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP | [putting all other calls on hold] |
| | | CALL 1.4.1 | |
| 4 | $ME \to USER$ | ME displays "On hold" during the | |
| | | user confirmation phase | |
| 5 | $USER \to ME$ | The user confirms the set up call | [user confirms the call] |
| 6 | $ME \to USS$ | The ME attempts to put the active | |
| | | call on hold. | |
| 7 | USS->ME | The ME receives the HOLD | [USS sends 'Facility Rejected' as cause value] |
| _ | | REJECT message from the USS. | |
| 8 | $ME \rightarrow UICC$ | | [Network currently unable to process command] |
| | | OR | |
| | | TERMINAL RESPONSE 1.7.1B | [Option A shall apply only from R99 to Rel-6, |
| | | | whereas option B is applicable in all releases] |

TERMINAL RESPONSE: SET UP CALL 1.7.1A

Logically:

Command details

Command number: 1

Command type: SET UP CALL

Command qualifier: putting all other calls on hold

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Network currently unable to process command

Additional Information: No specific cause can be given

Coding:

| BER-TLV: | 81 | 03 | 01 | 10 | 02 | 82 | 02 | 82 | 81 | 83 | 02 | 21 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | | | | | | | | | | | |

TERMINAL RESPONSE: SET UP CALL 1.7.1B

Logically:

Command details

Command number: 1

Command type: SET UP CALL

Command qualifier: putting all other calls on hold

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Network currently unable to process command

Additional Information: Facility Rejected

Coding:

| BER-TLV: | 81 | 03 | 01 | 10 | 02 | 82 | 02 | 82 | 81 | 83 | 02 | 21 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 9D | | | | | | | | | | | |

Expected Sequence 1.8 (SET UP CALL, Capability configuration)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|-------------------------------------|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SET UP CALL 1.8.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP | [Capability configuration parameters: full rate |
| | | CALL 1.8.1 | support] |
| 4 | $ME \rightarrow USER$ | ME displays "Capability config" | |
| _ | | during the user confirmation phase | |
| 5 | $USER \to ME$ | The user confirms the set up call | [user confirmation] |
| 6 | $ME \rightarrow USS$ | The ME attempts to set up a call to | |
| | | "+012340123456" using the | |
| | | capability configuration parameters | |
| _ | | supplied by UICC | |
| 7 | $USS \to ME$ | The ME receives the CONNECT | [The USS also has to handle the START |
| | | message from the USS. | DTMF and STOP DTMF messages sent by |
| 8 | ME LUCC | TERMINAL RESPONSE 1.8.1 | the ME in an appropriate way] [Command performed successfully] |
| 0 | I IVIE → UICC | I ENWINAL RESPONSE 1.8.1 | [Command performed successibility] |
| 9 | LISER → ME | The user ends the call after 10 s | |
| | OOLIN - IVIL | The ME returns in idle mode. | |

PROACTIVE COMMAND: SET UP CALL 1.8.1

Logically:

Command details

Command number: 1

Command type: SET UP CALL

Command qualifier: if not busy on another call

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Capability config"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456p1p2"

Capability configuration parameters

Information transfer cap: full rate support only MS

Coding:

| BER-TLV: | D0 | 2B | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 11 | 43 | 61 | 70 | 61 | 62 | 69 | 6C | 69 | 74 | 79 | 20 |
| | 63 | 6F | 6E | 66 | 69 | 67 | 86 | 09 | 91 | 10 | 32 | 04 |
| | 21 | 43 | 65 | 1C | 2C | 87 | 02 | 01 | A0 | | | |

TERMINAL RESPONSE: SET UP CALL 1.8.1

Logically:

Command details

Command number:

Command type: SET UP CALL

Command qualifier: if not busy on another call

Device identities

Source device: ME Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

Expected Sequence 1.9 (SET UP CALL, max dialling number string, no alpha identifier)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|-------------------------------------|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SET UP CALL 1.9.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND SET UP | [dialling number string, no alpha identifier] |
| | | CALL 1.9.1 | |
| 4 | $USER \to ME$ | The user confirms the set up call | [user confirmation] |
| 5 | $ME { ightarrow} USS$ | The ME attempts to set up a call to | |
| | | "+01234567890123456789012345 | |
| | | 678901" | |
| 6 | $USS \to ME$ | The ME receives the CONNECT | |
| | | message from the USS. | |
| 7 | $ME \to UICC$ | TERMINAL RESPONSE 1.9.1 | [Command performed successfully] |
| 8 | $USER \to ME$ | The user ends the call | |
| | | The ME returns in idle mode. | |

PROACTIVE COMMAND: SET UP CALL 1.9.1

Logically:

Command details

Command number: 1

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call with redial

Device identities

Source device: UICC
Destination device: Network

Address

TON: International

NPI: ISDN / telephone numbering plan
Dialling number string: "0123456789012345678901"

Coding:

| BER-TLV: | D0 | 1C | 81 | 03 | 01 | 10 | 01 | 82 | 02 | 81 | 83 | 86 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 11 | 91 | 10 | 32 | 54 | 76 | 98 | 10 | 32 | 54 | 76 | 98 |
| | 10 | 32 | 54 | 76 | 98 | 10 | | | | | | |

TERMINAL RESPONSE: SET UP CALL 1.9.1

Logically:

Command details

Command number: 1

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call with redial

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 10 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|-----------|----|----|----|----|----|----|----|----|----|----|-----|----|
| DEIX-IEV. | 01 | 00 | 01 | 10 | 01 | 02 | 02 | 02 | 01 | 00 | O I | 00 |

Expected Sequence 1.10 (SET UP CALL,256 octets length, long first alpha identifier)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|----------------------------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SET UP | |
| | | CALL 1.10.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP CALL | [alpha identifier] |
| | | 1.10.1 | |
| 4 | $ME \rightarrow USER$ | ME displays "Three types are defined: - set up | |
| | | a call, but only if not currently busy on another | |
| | | call; - set up a call, putting all other calls (if any) | |
| | | on hold; - set up a call, disconnecting all other | |
| | | calls (if any) first. For each of these types, " | |
| _ | | during the user confirmation phase. | |
| 5 | USER → ME | · • | [user confirmation] |
| 6 | ME→USS | The ME attempts to set up a call to "+01" | |
| 7 | $USS \to ME$ | The ME receives the CONNECT message from | |
| _ | | the USS. | |
| 8 | , 0.00 | | [Command performed successfully] |
| 9 | $USER \to ME$ | The user ends the call | |
| | | The ME returns in idle mode. | |

PROACTIVE COMMAND: SET UP CALL 1.10.1

Logically:

Command details

Command number: 1

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call with redial

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Three types are defined: - set up a call, but only if not currently busy on another

call; - set up a call, putting all other calls (if any) on hold; - set up a call, disconnecting all other calls (if any) first. For each of these types, "

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string: "01"

Coding:

| BER-TLV: | D0 | 81 | FD | 81 | 03 | 01 | 10 | 01 | 82 | 02 | 81 | 83 |
|----------|----|----|----|----|----------------|----|----|----------------|----|----|----|----------------|
| | 85 | 81 | ED | 54 | 68 | 72 | 65 | 65 | 20 | 74 | 79 | 70 |
| | 65 | 73 | 20 | 61 | 72 | 65 | 20 | 64 | 65 | 66 | 69 | 6E |
| | 65 | 64 | 3A | 20 | 2D | 20 | 73 | 65 | 74 | 20 | 75 | 70 |
| | 20 | 61 | 20 | 63 | 61 | 6C | 6C | 2C | 20 | 62 | 75 | 74 |
| | 20 | 6F | 6E | 6C | 79 | 20 | 69 | 66 | 20 | 6E | 6F | 74 |
| | 20 | 63 | 75 | 72 | 72 | 65 | 6E | 74 | 6C | 79 | 20 | 62 |
| | 75 | 73 | 79 | 20 | 6F | 6E | 20 | 61 | 6E | 6F | 74 | 68 |
| | 65 | 72 | 20 | 63 | 61 | 6C | 6C | 3B | 20 | 2D | 20 | 73 |
| | 65 | 74 | 20 | 75 | 70 | 20 | 61 | 20 | 63 | 61 | 6C | 6C |
| | 2C | 20 | 70 | 75 | 74 | 74 | 69 | 6E | 67 | 20 | 61 | 6C |
| | 6C | 20 | 6F | 74 | 68 | 65 | 72 | 20 | 63 | 61 | 6C | 6C |
| | 73 | 20 | 28 | 69 | 66 | 20 | 61 | 6E | 79 | 29 | 20 | 6F |
| | 6E | 20 | 68 | 6F | 6C | 64 | 3B | 20 | 2D | 20 | 73 | 65 |
| | 74 | 20 | 75 | 70 | 20 | 61 | 20 | 63 | 61 | 6C | 6C | 2C |
| | 20 | 64 | 69 | 73 | 6 ³ | 6⁻ | 6E | 6E | 65 | 63 | 74 | 69 |
| | 6E | 67 | 20 | 61 | 6C | 6C | 20 | 6F | 74 | 68 | 65 | 72 |
| | 20 | 63 | 61 | 6C | 6C | 73 | 20 | 28 | 69 | 66 | 20 | ⁶ 1 |
| | 6E | 79 | 29 | 20 | 66 | 69 | 72 | 7 ³ | 74 | 2E | 20 | 46 |
| | 6F | 72 | 20 | 65 | 61 | 63 | 68 | 20 | 6F | 66 | 20 | 74 |
| | 68 | 65 | 73 | 65 | 20 | 74 | 79 | 70 | 65 | 73 | 2C | 20 |
| | 86 | 02 | 91 | 10 | | | | | | | | |

TERMINAL RESPONSE: SET UP CALL 1.10.1

Logically:

Command details

Command number: 1

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call with redial

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | Λ1 | 10 | Λ1 | 82 | 02 | 82 | 81 | 83 | 01 | NΛ |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| DEN-ILV. | 01 | US | UI | 10 | 01 | 02 | UZ | 02 | 01 | ೦೦ | UI | 00 |

Expected Sequence 1.11A (SET UP CALL, Called party subaddress, command performed successfully)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|-------------------------------------|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SET UP CALL 1.11.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP | [set up a call with called party subaddress] |
| | | CALL 1.11.1 | |
| 4 | $ME \rightarrow USER$ | ME displays "Called party" during | |
| | | the user confirmation phase | |
| 5 | $USER \to ME$ | The user confirms the set up call | [user confirmation] |
| 6 | $ME { ightarrow} USS$ | The ME attempts to set up a call to | |
| | | "+012340123456" with the called | |
| | | party subaddress information | |
| 7 | $USS \to ME$ | The ME receives the CONNECT | [The USS also has to handle the START |
| | | message from the USS. | DTMF and STOP DTMF messages sent by |
| | | | the ME in an appropriate way] |
| 8 | $ME \rightarrow UICC$ | TERMINAL RESPONSE 1.11.1A | [Command performed successfully] |
| 9 | $USER \to ME$ | The user ends the call after 10 s | |
| | | The ME returns in idle mode. | |

Expected Sequence 1.11B (SET UP CALL, Called party subaddress, ME not supporting the called party subaddress)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|-----------------------------|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SET UP CALL 1.11.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP | [set up a call with called party subaddress] |
| | | CALL 1.11.1 | |
| 4 | $ME \rightarrow UICC$ | TERMINAL RESPONSE 1.11.1B | [beyond ME's capabilities] |

PROACTIVE COMMAND: SET UP CALL 1.11.1

Logically:

Command details

Command number: 1

Command type: SET UP CALL

Command qualifier: if not busy on another call

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: "Called party"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string: "012340123456p1p2"

Called party subaddress

Type of subaddress: NSAP (X.213 / ISO 8348 AD2) Odd / even indicator: even number of address signals Subaddress information: AFI, 95, 95, 95, 95

Coding:

| BER-TLV: | D0 | 2B | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0C | 43 | 61 | 6C | 6C | 65 | 64 | 20 | 70 | 61 | 72 | 74 |
| | 79 | 86 | 09 | 91 | 10 | 32 | 04 | 21 | 43 | 65 | 1C | 2C |
| | 88 | 07 | 80 | 50 | 95 | 95 | 95 | 95 | 95 | | | |

TERMINAL RESPONSE: SET UP CALL 1.11.1A

Logically:

Command details

Command number: 1

Command type: SET UP CALL

Command qualifier: if not busy on another call

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

TERMINAL RESPONSE: SET UP CALL 1.11.1B

Logically:

Command details

Command number: 1

Command type: SET UP CALL

Command qualifier: if not busy on another call

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Beyond ME's capabilities

Coding:

| DED TILL | ~ 4 | | | 4.0 | | | 02 | 0.0 | 0.4 | | 04 | 20 |
|----------|-----|----|----|-----|----|----|----|-----|-----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 30 |

Expected Sequence 1.12 (SET UP CALL, maximum duration for the redial mechanism)

The USS shall be configured such that call set up requests will be rejected with cause "User Busy".

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|-----------------------------------|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SET UP CALL 1.12.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP | [only if not currently busy on another call with |
| | | CALL 1.12.1 | redial] |
| 4 | $ME \to USER$ | ME displays "Duration" during the | |
| | | user confirmation phase | |
| 5 | $USER \to ME$ | The user confirms the set up call | [user confirms the call] |
| 6 | $ME \to USS$ | ME attempts to set up a call to | [redial mechanism with maximum duration of |
| | | "+012340123456" . It stops its | 10 seconds]] |
| | | attempts after 10 seconds. | |
| 7 | $ME \to UICC$ | TERMINAL RESPONSE 1.12.1 | [network currently unable to process |
| | | | command] |
| 8 | $ME \rightarrow USER$ | The ME returns in idle mode. | |

PROACTIVE COMMAND: SET UP CALL 1.12.1

Logically:

Command details

Command number: 1

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call with redial

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: "Duration"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string: "012340123456p1p2"

Duration

Unit: Seconds Interval: 10

Coding:

| BER-TLV: | D0 | 22 | 81 | 03 | 01 | 10 | 01 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 08 | 44 | 75 | 72 | 61 | 74 | 69 | 6F | 6E | 86 | 09 | 91 |
| | 10 | 32 | 04 | 21 | 43 | 65 | 1C | 2C | 84 | 02 | 01 | 0A |

TERMINAL RESPONSE: SET UP CALL 1.12.1

Logically:

Command details

Command number:

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call with redial

Device identities

Source device: ME
Destination device: UICC

Result

General Result: network currently unable to process command

Additional Information: User Busy

Coding:

| BER-TLV: | 81 | 03 | 01 | 10 | 01 | 82 | 02 | 82 | 81 | 83 | 02 | 21 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 91 | | | | | | | | | | | |

27.22.4.13.1.5 Test requirement

The ME shall operate in the manner defined in expected sequences 1.1 to 1.12.

27.22.4.13.2 SET UP CALL (second alpha identifier)

27.22.4.13.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.13.2.2 Conformance requirement

Same as clause 27.22.4.13.2.1.

27.22.4.13.2.3 Test purpose

To verify that the ME accepts a Proactive Command - Set Up Call, displays the alpha identifiers to the user, attempts to set up a call to the address and returns the result in the TERMINAL RESPONSE.

27.22.4.13.2.4 Method of test

27.22.4.13.2.4.1 Initial conditions

The ME is connected to both the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

Prior to this test the ME shall have been powered on, performed the PROFILE DOWNLOAD procedure and is in updated idle mode on the USS.

27.22.4.13.2.4.2 Procedure

Expected Sequence 2.1 (SET UP CALL, two alpha identifiers)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|-------------------------------------|---------------------------------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: | |
| | | SET UP CALL 2.1.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP | |
| | | CALL 2.1.1 | |
| 4 | $ME \rightarrow USER$ | ME displays "CONFIRMATION" during | |
| | | the user confirmation phase | |
| 5 | $USER \to ME$ | The user confirms the set up call | [user confirmation] |
| 6 | $ME \rightarrow USS$ | The ME attempts to set up a call to | [second alpha identifier] |
| | | "+012340123456". | |
| | | The ME displays "CALL" | |
| 7 | $USS \to ME$ | The ME receives the CONNECT | [The USS also has to handle the START |
| | | message from the USS. | DTMF and STOP DTMF messages sent |
| | | | by the ME in an appropriate way] |
| 8 | $ME \rightarrow UICC$ | TERMINAL RESPONSE 2.1.1 | [Command performed successfully] |
| | | The ME shall not update EF LND with | |
| | | the called party address. | |
| 9 | $USER \to ME$ | The user ends the call after 10 s. | |
| | | The ME returns in idle mode. | |

PROACTIVE COMMAND: SET UP CALL 2.1.1

Logically:

Command details

Command number:

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "CONFIRMATION"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456p1p2"

Alpha Identifier (call set up phase): "CALL"

Coding:

| BER-TLV: | D0 | 28 | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0C | 43 | 4F | 4E | 46 | 49 | 52 | 4D | 41 | 54 | 49 | 4F |
| | 4E | 86 | 09 | 91 | 10 | 32 | 04 | 21 | 43 | 65 | 1C | 2C |
| | 85 | 04 | 43 | 41 | 4C | 4C | | | | | | Į. |

TERMINAL RESPONSE: SET UP CALL 2.1.1

Logically:

Command details

Command number: 1

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

27.22.4.13.2.5 Test requirement

The ME shall operate in the manner defined in expected sequence 2.1.

27.22.4.13.3 SET UP CALL (display of icons)

27.22.4.13.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.13.3.2 Conformance requirement

27.22.4.13.3.3 Test purpose

To verify that the ME accepts a Proactive Set Up Call , displays the message or icon to the user ,attempts to set up a call to the address, returns the result in the TERMINAL response.

27.22.4.13.3.4 Method of test

27.22.4.13.3.4.1 Initial conditions

The ME is connected to both the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

Prior to this test the ME shall have been powered on, performed the PROFILE DOWNLOAD procedure and is in updated idle mode on the USS.

27.22.4.13.3.4.2 Procedure

Expected Sequence 3.1A (SET UP CALL, display of basic icon during confirmation phase, not selfexplanatory, successful)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SET UP CALL 3.1.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP CALL 3.1.1 | Including icon identifier, icon shall be displayed in addition of the first alpha identifier |
| 4 | $ME \rightarrow USER$ | ME displays "Set up call Icon 3.1.1" and the basic icon during a user confirmation phase. | |
| 5 | $USER \to ME$ | The user confirms the set up call | [user confirmation] |
| 6 | ME→USS | The ME attempts to set up a call to "+012340123456" | |
| 7 | $USS \to ME$ | The ME receives the CONNECT message from the USS. | [The USS also has to handle the START DTMF and STOP DTMF messages sent by the ME in an appropriate way] |
| 8 | $ME \to UICC$ | TERMINAL RESPONSE 3.1.1A | [Command performed successfully] |
| 9 | $USER \to ME$ | The user ends the call after 10 s. The ME returns in idle mode. | |

PROACTIVE COMMAND: SET UP CALL 3.1.1

Logically:

Command details

Command number:

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Set up call Icon 3.1.1"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456p1p2"

Icon identifier

Icon qualifier: icon is not self-explanatory
Icon identifier: <record 1 in EF IMG>

Coding:

| BER-TLV: | D0 | 30 | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 16 | 53 | 65 | 74 | 20 | 75 | 70 | 20 | 63 | 61 | 6C | 6C |
| | 20 | 49 | 63 | 6F | 6E | 20 | 33 | 2E | 31 | 2E | 31 | 86 |
| | 09 | 91 | 10 | 32 | 04 | 21 | 43 | 65 | 1C | 2C | 9E | 02 |
| | 01 | 01 | | | | | | | | | | |

TERMINAL RESPONSE: SET UP CALL 3.1.1A

Logically:

Command details

Command number:

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: 81 03 01 | 10 00 82 | 02 82 81 | 83 01 00 |
|-------------------|----------|----------|----------|
|-------------------|----------|----------|----------|

Expected Sequence 3.1B (SET UP CALL, display of basic icon during confirmation phase, not selfexplanatory, requested icon could not be displayed)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--------------------------------------|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SET UP CALL 3.1.1 | |
| 2 | $ME \to UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP | Including icon identifier, icon shall be |
| | | CALL 3.1.1 | displayed in addition of the first alpha |
| | | | identifier |
| 4 | $ME \rightarrow USER$ | ME displays "Set up call Icon | |
| | | 3.1.1" without the basic icon during | |
| | | a user confirmation phase. | |
| 5 | | · · | [user confirmation] |
| 6 | ME→USS | The ME attempts to set up a call to | |
| | | "+012340123456" | |
| 7 | $USS \to ME$ | The ME receives the CONNECT | [The USS also has to handle the START |
| | | message from the USS. | DTMF and STOP DTMF messages sent by |
| | | TERMINAL RESPONSES 4 4B | the ME in an appropriate way] |
| 8 | $ME \rightarrow UICC$ | TERMINAL RESPONSE 3.1.1B | [Command performed successfully, but |
| | | | requested icon could not be displayed]. |
| 9 | $USER \to ME$ | The user ends the call after 10 s. | |
| | OOLK - WIL | The ME returns in idle mode. | |

TERMINAL RESPONSE: SET UP CALL 3.1.1B

Logically:

Command details

Command number: 1

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully, but requested icon could not be displayed

Coding:

| BER-TI V | 21 | Λ3 | Ω1 | 10 | 00 | 82 | 02 | 82 | 21 | 83 | 01 | 04 |
|------------|------|------|----|----|----|----|------|------|----|----|----|----|
| IDLIX-ILV. | 1 01 | l UJ | | | | 02 | 1 02 | 1 02 | | | | |

Expected Sequence 3.2A (SET UP CALL, display of basic icon during confirmation phase, self-explanatory, successful)

| Step | Direction | MESSAGE / Action | Comments |
|------|---------------|-------------------------------------|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SET UP CALL 3.2.1 | |
| 2 | $ME \to UICC$ | FETCH | |
| 3 | $UICC \to ME$ | | Including icon identifier, icon shall be |
| | | CALL 3.2.1 | displayed instead of the first alpha identifier |
| 4 | $ME \to USER$ | ME displays the basic icon during | |
| | | a user confirmation phase. | |
| 5 | $USER \to ME$ | The user confirms the set up call | [user confirmation] |
| 6 | $ME \to USS$ | The ME attempts to set up a call to | |
| | | "+012340123456" | |
| 7 | $USS \to ME$ | | [The USS also has to handle the START |
| | | message from the USS. | DTMF and STOP DTMF messages sent by |
| | | | the ME in an appropriate way] |
| 8 | | | [Command performed successfully] |
| 9 | $USER \to ME$ | The user ends the call after 10 s. | |
| | | The ME returns in idle mode. | |

PROACTIVE COMMAND: SET UP CALL 3.2.1

Logically:

Command details

Command number: 1

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Set up call Icon 3.2.1"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456p1p2"

Icon identifier

Icon qualifier: icon is self-explanatory
Icon identifier: <record 1 in EF IMG>

Coding:

| BER-TLV: | D0 | 30 | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----------------|----|----|----------------|----|----------------|----|----|----|----|
| | 16 | 53 | 65 | 74 | 20 | 75 | 70 | 20 | 63 | 61 | 6C | 6C |
| | 20 | 49 | 6 ³ | 6F | 6E | 2 ⁰ | 33 | 2 ^E | 32 | 2E | 31 | 86 |
| | 09 | 91 | 10 | 32 | 04 | 21 | 43 | 65 | 1C | 2C | 9E | 02 |
| | 00 | 01 | | | | | | | | | | |

TERMINAL RESPONSE: SET UP CALL 3.2.1A

Logically:

Command details

Command number: 1

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

Expected Sequence 3.2B (SET UP CALL, display of basic icon during confirmation phase, selfexplanatory, requested icon could not be displayed)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|-------------------------------------|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SET UP CALL 3.2.1 | |
| 2 | $ME \to UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP | Including icon identifier, icon shall be |
| | | CALL 3.2.1 | displayed instead of the first alpha identifier |
| 4 | $ME \to USER$ | ME display "Set up call Icon 3.2.1" | |
| | | without the icon | |
| 5 | $USER \to ME$ | The user confirms the set up call | [user confirmation] |
| 6 | $ME \rightarrow USS$ | The ME attempts to set up a call to | |
| | | "+012340123456" | |
| 7 | $USS \to ME$ | The ME receives the CONNECT | [The USS also has to handle the START |
| | | message from the USS. | DTMF and STOP DTMF messages sent by |
| | | | the ME in an appropriate way] |
| 8 | $ME \rightarrow UICC$ | TERMINAL RESPONSE 3.2.1B | [Command performed successfully, but |
| _ | | | requested icon could not be displayed]. |
| 9 | $USER \to ME$ | The user ends the call after 10 s. | |
| | | The ME returns in idle mode. | |

TERMINAL RESPONSE: SET UP CALL 3.2.1B

Logically:

Command details

Command number: 1

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: ME Destination device: UICC

Result

General Result: Command performed successfully, but requested icon could not be displayed

Coding:

| BER-TLV: | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 04 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

Expected Sequence 3.3A (SET UP CALL, display of colour icon during confirmation phase, not self-explanatory, successful)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|-------------------------------------|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SET UP CALL 3.3.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP | Including icon identifier, icon shall be displayed in |
| | | | addition of the first alpha identifier |
| 4 | $ME \rightarrow USER$ | ME displays "Set up call Icon | |
| | | 3.3.1" and the colour icon during a | |
| | | user confirmation phase. | |
| 5 | | | [user confirmation] |
| 6 | $ME { ightarrow} USS$ | The ME attempts to set up a call to | |
| | | "+012340123456" | |
| 7 | $USS \to ME$ | The ME receives the CONNECT | [The USS also has to handle the START DTMF |
| | | message from the USS. | and STOP DTMF messages sent by the ME in an |
| | | | appropriate way] |
| 8 | $ME \rightarrow UICC$ | TERMINAL RESPONSE 3.3.1A | [Command performed successfully] |
| 9 | $USER \to ME$ | The user ends the call after 10 s. | |
| | | The ME returns in idle mode. | |

PROACTIVE COMMAND: SET UP CALL 3.3.1

Logically:

Command details

Command number: 1

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Set up call Icon 3.3.1"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456p1p2"

Icon identifier

Icon qualifier: icon is not self-explanatory
Icon identifier: <record 2 in EF IMG>

Coding:

| BER-TLV: | D0 | 30 | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 81 | 83 | 85 | |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|--|
| | 16 | 53 | 65 | 74 | 20 | 75 | 70 | 20 | 63 | 61 | 6C | 6C | |
| | 20 | 49 | 63 | 6F | 6E | 20 | 33 | 2E | 33 | 2E | 31 | 86 | |
| | 09 | 91 | 10 | 32 | 04 | 21 | 43 | 65 | 1C | 2C | 9E | 02 | |
| | 01 | 02 | | | | | | | | | | | |

TERMINAL RESPONSE: SET UP CALL 3.3.1A

Logically:

Command details

Command number: 1

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

Expected Sequence 3.3B (SET UP CALL, display of colour icon during confirmation phase, not self-explanatory, requested icon could not be displayed)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SET UP CALL 3.3.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP | Including icon identifier, icon shall be |
| | | CALL 3.3.1 | displayed in addition of the first alpha identifier |
| 4 | $ME \rightarrow USER$ | ME only display alpha string: " Set up call Icon 3.3.1" | |
| 5 | $USER \to ME$ | The user confirms the set up call | [user confirmation] |
| 6 | $ME \to USS$ | The ME attempts to set up a call to "+012340123456" | |
| 7 | $USS \to ME$ | The ME receives the CONNECT message from the USS. | [The USS also has to handle the START DTMF and STOP DTMF messages sent by the ME in an appropriate way] |
| 8 | $ME \to UICC$ | TERMINAL RESPONSE 3.3.1B | [Command performed successfully, but requested icon could not be displayed]. |
| 9 | $USER \to ME$ | The user ends the call after 10 s. | |
| | | The ME returns in idle mode. | |

TERMINAL RESPONSE: SET UP CALL 3.3.1B

Logically:

Command details

Command number: 1

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully, but requested icon could not be displayed

Coding:

| BER-TLV: | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 04 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

Expected Sequence 3.4A (SET UP CALL, display of self explanatory basic icon during set up call, successful)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|-------------------------------------|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SET UP CALL 3.4.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP | Including a second alpha identifier and two |
| | | CALL 3.4.1 | icons |
| 4 | $ME \rightarrow USER$ | ME displays the basic icon during | |
| | | a user confirmation phase. | |
| 5 | $USER \to ME$ | The user confirms the set up call | [user confirmation] |
| 6 | $ME { ightarrow} USS$ | The ME attempts to set up a call to | |
| | | "+012340123456". The ME | |
| | | displays the basic icon without the | |
| _ | | text during the set up call. | |
| 7 | $USS \to ME$ | The ME receives the CONNECT | [The USS also has to handle the START |
| | | message from the USS. | DTMF and STOP DTMF messages sent by |
| | | | the ME in an appropriate way] |
| 8 | $ME \rightarrow UICC$ | TERMINAL RESPONSE 3.4.1A | [Command performed successfully] |
| 9 | $USER \to ME$ | The user ends the call after 10 s. | |
| 9 | USER → IVIE | The ME returns in idle mode. | |
| | | THE ME TELUITIS III IGIE MOGE. | |

PROACTIVE COMMAND: SET UP CALL 3.4.1

Logically:

Command details

Command number: 1

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Set up call Icon 3.4.1"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456p1p2"

Icon identifier

Icon qualifier: icon is self-explanatory
Icon identifier: <record 1 in EF IMG>
Alpha identifier: "Set up call Icon 3.4.2"

Icon identifier

Icon qualifier: icon is self-explanatory
Icon identifier: <record 1 in EF IMG>

Coding:

| BER-TLV: | D0 | 4C | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 16 | 53 | 65 | 74 | 20 | 75 | 70 | 20 | 63 | 61 | 6C | 6C |
| | 20 | 49 | 63 | 6F | 6E | 20 | 33 | 2E | 34 | 2E | 31 | 86 |
| | 09 | 91 | 10 | 32 | 04 | 21 | 43 | 65 | 1C | 2C | 9E | 02 |
| | 00 | 01 | 85 | 16 | 53 | 65 | 74 | 20 | 75 | 70 | 20 | 63 |
| | 61 | 6C | 6C | 20 | 49 | 63 | 6F | 6E | 20 | 33 | 2E | 34 |
| | 2E | 32 | 9E | 02 | 00 | 01 | | | | | | |

TERMINAL RESPONSE: SET UP CALL 3.4.1A

Logically:

Command details

Command number: 1

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

Expected Sequence 3.4B (SET UP CALL, display of self explanatory basic icon during set up call, requested icon could not be displayed)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|-------------------------------------|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SET UP CALL 3.4.1 | |
| 2 | $ME \to UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP | Including a second alpha identifier and two |
| | | CALL 3.4.1 | icons |
| 4 | $ME \to USER$ | ME displays "Set up call Icon | |
| | | 3.4.1" without the icon | |
| 5 | $USER \to ME$ | The user confirms the set up call | [user confirmation] |
| 6 | $ME \to USS$ | The ME attempts to set up a call to | |
| | | "+012340123456". The ME | |
| | | displays "Set up call Icon 3.4.2" | |
| | | without the icon during the set up | |
| | | call. | |
| 7 | $USS \to ME$ | The ME receives the CONNECT | [The USS also has to handle the START |
| | | message from the USS. | DTMF and STOP DTMF messages sent by |
| | | TERMINAL RESPONSES 44B | the ME in an appropriate way] |
| 8 | $ME \rightarrow UICC$ | TERMINAL RESPONSE 3.4.1B | [Command performed successfully, but |
| | HOED ME | The week and the call ofter 40 - | requested icon could not be displayed]. |
| 9 | USEK → ME | The user ends the call after 10 s. | |
| | | The ME returns in idle mode. | |

TERMINAL RESPONSE: SET UP CALL 3.4.1B

Logically:

Command details

Command number: 1

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: ME Destination device: UICC

Result

General Result: Command performed successfully, but requested icon could not be displayed

Coding:

| BER-TLV: 81 03 01 10 00 82 02 82 81 83 01 0 |
|---|
|---|

27.22.4.13.3.5 Test requirement

The ME shall operate in the manner defined in expected sequences 3.1A to 3.4B.

27.22.4.13.4 SET UP CALL (support of Text Attribute)

27.22.4.13.4.1 SET UP CALL (support of Text Attribute – Left Alignment)

27.22.4.13.4.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.13.4.1.2 Conformance requirement

The ME shall support the Proactive UICC: Set Up Call facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.13, clause 6.6.12, clause 8.6, clause 8.7, clause 8.12, clause 8.12.3, clause 8.70 and clause 5.2.

27.22.4.13.4.1.3 Test purpose

To verify that the ME accepts the Proactive Command - Set Up Call, displays the alpha identifier according to the left alignment text attribute configuration to the user, attempts to set up a call to the address and returns the result in the TERMINAL RESPONSE.

27.22.4.13.4.1.4 Method of test

27.22.4.13.4.1.4.1 Initial conditions

The ME is connected to both the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

Prior to this test the ME shall have been powered on, performed the PROFILE DOWNLOAD procedure and in the updated idle mode on the USS.

27.22.4.13.4.1.4.2 Procedure

Expected Sequence 4.1 (SET UP CALL, Text Attribute – Left Alignment)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: | |
| | | SET UP CALL 4.1.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP | |
| | | CALL 4.1.1 | |
| 4 | $ME \rightarrow USER$ | ME displays "CONFIRMATION 1" | |
| 5 | USER → ME | during the user confirmation phase The user confirms the set up call | [user confirmation is displayed with left |
| | USEN → IVIE | The user committis the set up can | alignment] |
| 6 | $ME \to USS$ | The ME attempts to set up a call to | [second alpha identifier is displayed with |
| | <u> </u> | "+012340123456". | left alignment] |
| | | The ME displays "CALL 1" | |
| 7 | $USS \to ME$ | The ME receives the CONNECT | [The USS also has to handle the START |
| | | message from the USS. | DTMF and STOP DTMF messages sent |
| | | TERMINAL RESPONSE 4.4.4 | by the ME in an appropriate way] |
| 8 | $ME \rightarrow UICC$ | TERMINAL RESPONSE 4.1.1 | [Command performed successfully] |
| | | The ME shall not update EF LND with the called party address. | |
| 9 | USER → ME | The user ends the call after 10 s. | |
| | OOLIN IVIL | The ME returns in idle mode. | |
| 10 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: | |
| | | SET UP CALL 4.1.2 | |
| 11 | $ME \rightarrow UICC$ | FETCH | |
| 12 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP | |
| 4.0 | | CALL 4.1.2 | |
| 13 | $ME \rightarrow USER$ | ME displays "CONFIRMATION 2" | |
| 14 | $USER \to ME$ | during the user confirmation phase The user confirms the set up call | [User confirmation shall be formatted |
| 14 | USER → IVIE | The user committis the set up can | without left alignment. Remark: If left |
| | | | alignment is the ME"s default alignment |
| | | | as declared in table A.2/14, no alignment |
| | | | change will take place] |
| 15 | $ME \to USS$ | The ME attempts to set up a call to | [Second alpha identifier shall be |
| | | "+012340123456". | formatted without left alignment. |
| | | The ME displays "CALL 2" | Remark: If left alignment is the ME"s |
| | | | default alignment as declared in table |
| 1 | | | A.2/14, no alignment change will take place] |
| 16 | $USS \to ME$ | The ME receives the CONNECT | The USS also has to handle the START |
| | | message from the USS. | DTMF and STOP DTMF messages sent |
| 1 | | | by the ME in an appropriate way] |
| 17 | $ME \to UICC$ | TERMINAL RESPONSE 4.1.1 | [Command performed successfully] |
| | | The ME shall not update EF LND with |] |
| | | the called party address. | |
| 18 | $USER \to ME$ | The user ends the call after 18 s. | |
| | | The ME returns in idle mode. | |

PROACTIVE COMMAND: SET UP CALL 4.1.1

Logically:

Command details

Command number: 1

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "CONFIRMATION 1"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456p1p2"

Alpha Identifier (call set up phase): "CALL 1"

Text Attribute (user confirmation phase)

Formatting position: 0 Formatting length: 14

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Text Attribute (call set up phase)

Formatting position: 0 Formatting length: 6

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 38 | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0E | 43 | 4F | 4E | 46 | 49 | 52 | 4D | 41 | 54 | 49 | ⁴F |
| | 4E | 20 | 31 | 86 | 09 | 91 | 10 | 32 | 04 | 21 | 43 | 65 |
| | 1C | 2C | 85 | 06 | 43 | 41 | 4C | 4C | 20 | 31 | D0 | 04 |
| | 00 | 0E | 00 | B4 | D0 | 04 | 00 | 06 | 00 | B4 | | |

PROACTIVE COMMAND: SET UP CALL 4.1.2

Logically:

Command details

Command number:

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

1

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "CONFIRMATION 2"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456p1p2" Alpha Identifier (call set up phase):"CALL 2"

Coding:

| BER-TLV: | D0 | 2C | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0E | 43 | 4F | 4E | 46 | 49 | 52 | 4D | 41 | 54 | 49 | 4F |
| | 4E | 20 | 32 | 86 | 09 | 91 | 10 | 32 | 04 | 21 | 43 | 65 |
| | 1C | 2C | 85 | 06 | 43 | 41 | 4C | 4C | 20 | 32 | | |

TERMINAL RESPONSE: SET UP CALL 4.1.1

Logically:

Command details

Command number: 1

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

27.22.4.13.4.1.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.1.

27.22.4.13.4.2 SET UP CALL (support of Text Attribute – Center Alignment)

27.22.4.13.4.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.13.4.2.2 Conformance requirement

The ME shall support the Proactive UICC: Set Up Call facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.13, clause 6.6.12, clause 8.6, clause 8.7, clause 8.12, clause 8.12.3, clause 8.70 and clause 5.2.

27.22.4.13.4.2.3 Test purpose

To verify that the ME accepts the Proactive Command - Set Up Call, displays the alpha identifier according to the center alignment text attribute configuration to the user, attempts to set up a call to the address and returns the result in the TERMINAL RESPONSE.

27.22.4.13.4.2.4 Method of test

27.22.4.13.4.2.4.1 Initial conditions

The ME is connected to both the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

Prior to this test the ME shall have been powered on, performed the PROFILE DOWNLOAD procedure and in the updated idle mode on the USS.

27.22.4.13.4.2.4.2 Procedure

Expected Sequence 4.2 (SET UP CALL, Text Attribute – Center Alignment)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: | |
| | | SET UP CALL 4.2.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP | |
| 4 | ME LIGED | CALL 4.2.1 ME displays "CONFIRMATION 1" | |
| 4 | $ME \rightarrow USER$ | during the user confirmation phase | |
| 5 | USER → ME | The user confirms the set up call | [user confirmation is displayed with |
| | OOLIK / MIL | The deer committee and corrupt can | center alignment] |
| 6 | $ME \to USS$ | The ME attempts to set up a call to | [second alpha identifier is displayed with |
| | | "+012340123456". | center alignment] |
| | | The ME displays "CALL 1" | |
| 7 | $USS \to ME$ | The ME receives the CONNECT | The USS also has to handle the START |
| | | message from the USS. | DTMF and STOP DTMF messages sent |
| _ | ME IIIOO | TERMINIAL DECRONICE 4 0 4 | by the ME in an appropriate way] |
| 8 | $ME \rightarrow UICC$ | TERMINAL RESPONSE 4.2.1 The ME shall not update EF LND with | [Command performed successfully] |
| | | the called party address. | |
| 9 | $USER \to ME$ | The user ends the call after 10 s. | |
| | OOLIK 7 MIL | The ME returns in idle mode. | |
| 10 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: | |
| | | SET UP CALL 4.2.2 | |
| 11 | $ME \rightarrow UICC$ | FETCH | |
| 12 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP | |
| 4.0 | | CALL 4.2.2 | |
| 13 | $ME \rightarrow USER$ | ME displays "CONFIRMATION 2" | |
| 14 | $USER \to ME$ | during the user confirmation phase The user confirms the set up call | [User confirmation shall be formatted |
| 14 | USER → IVIE | The user committis the set up can | without center alignment. Remark: If |
| | | | center alignment is the ME's default |
| | | | alignment as declared in table A.2/14, no |
| | | | alignment change will take place] |
| 15 | $ME \to USS$ | The ME attempts to set up a call to | [Second alpha identifier shall be |
| | | "+012340123456". | formatted without centert alignment. |
| | | The ME displays "CALL 2" | Remark: If center alignment is the ME"s |
| | | | default alignment as declared in table |
| | | | A.2/14, no alignment change will take placel |
| 16 | $USS \to ME$ | The ME receives the CONNECT | [The USS also has to handle the START |
| 10 | | message from the USS. | DTMF and STOP DTMF messages sent |
| | | mossage nom the occ. | by the ME in an appropriate way] |
| 17 | $ME \rightarrow UICC$ | TERMINAL RESPONSE 4.2.1 | [Command performed successfully] |
| | | The ME shall not update EF LND with | <u> </u> |
| | | the called party address. | |
| 18 | $USER \to ME$ | The user ends the call after 10 s. | |
| | | The ME returns in idle mode. | |

PROACTIVE COMMAND: SET UP CALL 4.2.1

Logically:

Command details

Command number:

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "CONFIRMATION 1"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456p1p2"

Alpha Identifier (call set up phase): "CALL 1"

Text Attribute (user confirmation phase)

Formatting position: 0 Formatting length: 14

Formatting mode: Center Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Text Attribute (call set up phase)

Formatting position: 0 Formatting length: 6

Formatting mode: Center Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 38 | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0E | 43 | 4F | 4E | 46 | 49 | 52 | 4D | 41 | 54 | 49 | ⁴F |
| | 4E | 20 | 31 | 86 | 09 | 91 | 10 | 32 | 04 | 21 | 43 | 65 |
| | 1C | 2C | 85 | 06 | 43 | 41 | 4C | 4C | 20 | 31 | D0 | 04 |
| | 00 | 0E | 01 | B4 | D0 | 04 | 00 | 06 | 01 | B4 | | |

PROACTIVE COMMAND: SET UP CALL 4.2.2

Logically:

Command details

Command number: 1

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "CONFIRMATION 2"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456p1p2" Alpha Identifier (call set up phase): "CALL 2"

Coding:

| BER-TLV: | D0 | 2C | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0E | 43 | 4F | 4E | 46 | 49 | 52 | 4D | 41 | 54 | 49 | 4F |
| | 4E | 20 | 32 | 86 | 09 | 91 | 10 | 32 | 04 | 21 | 43 | 65 |
| | 1C | 2C | 85 | 06 | 43 | 41 | 4C | 4C | 20 | 32 | | |

TERMINAL RESPONSE: SET UP CALL 4.2.1

Logically:

Command details

Command number: 1

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: ME
Destination device: UICC

Result

451

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

27.22.4.13.4.2.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.2.

27.22.4.13.4.3 SET UP CALL (support of Text Attribute – Right Alignment)

27.22.4.13.4.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.13.4.3.2 Conformance requirement

The ME shall support the Proactive UICC: Set Up Call facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.13, clause 6.6.12, clause 8.6, clause 8.7, clause 8.12, clause 8.12.3, clause 8.70 and clause 5.2.

27.22.4.13.4.3.3 Test purpose

To verify that the ME accepts the Proactive Command - Set Up Call, displays the alpha identifier according to the right alignment text attribute configuration to the user, attempts to set up a call to the address and returns the result in the TERMINAL RESPONSE.

27.22.4.13.4.3.4 Method of test

27.22.4.13.4.3.4.1 Initial conditions

The ME is connected to both the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

Prior to this test the ME shall have been powered on, performed the PROFILE DOWNLOAD procedure and in the updated idle mode on the USS.

27.22.4.13.4.3.4.2 Procedure

Expected Sequence 4.3 (SET UP CALL, Text Attribute – Right Alignment)

452

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: | |
| | | SET UP CALL 4.3.1 | |
| 2 | ME → UICC | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP | |
| 4 | $ME \to USER$ | CALL 4.3.1 ME displays "CONFIRMATION 1" | |
| 4 | IVIE → USER | during the user confirmation phase | |
| 5 | $USER \to ME$ | The user confirms the set up call | [user confirmation is displayed with right |
| | 002.1 | | alignment] |
| 6 | $ME \to USS$ | The ME attempts to set up a call to | [second alpha identifier is displayed with |
| | | "+012340123456". | right alignment] |
| _ | | The ME displays "CALL 1" | |
| 7 | $USS \to ME$ | The ME receives the CONNECT | [The USS also has to handle the START |
| | | message from the USS. | DTMF and STOP DTMF messages sent by the ME in an appropriate way] |
| 8 | $ME \to UICC$ | TERMINAL RESPONSE 4.3.1 | [Command performed successfully] |
| | IVIL -> OICC | The ME shall not update EF LND with | [Command performed successiony] |
| | | the called party address. | |
| 9 | $USER \to ME$ | The user ends the call after 10 s. | |
| | | The ME returns in idle mode. | |
| 10 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: | |
| | | SET UP CALL 4.3.2 | |
| 11 | ME → UICC | FETCH | |
| 12 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP ICALL 4.3.2 | |
| 13 | $ME \rightarrow USER$ | ME displays "CONFIRMATION 2" | |
| 10 | WIL → USLIX | during the user confirmation phase | |
| 14 | $USER \to ME$ | The user confirms the set up call | [User confirmation shall be formatted |
| | | ' | without right alignment. Remark: If right |
| | | | alignment is the ME"s default alignment |
| | | | as declared in table A.2/14, no alignment |
| 4- | | T. 145 | change will take place] |
| 15 | ME 	o USS | The ME attempts to set up a call to "+012340123456". | [Second alpha identifier shall be |
| | | The ME displays "CALL 2" | formatted without right alignment. Remark: If right alignment is the ME"s |
| | | The ME displays CALL 2 | default alignment as declared in table |
| | | | A.2/14, no alignment change will take |
| | | | place] |
| 16 | $USS \to ME$ | The ME receives the CONNECT | The USS also has to handle the START |
| | | message from the USS. | DTMF and STOP DTMF messages sent |
| 1 | | TERMINAL RESPONSE 4.0.4 | by the ME in an appropriate way] |
| 17 | $ME \rightarrow UICC$ | TERMINAL RESPONSE 4.3.1 | [Command performed successfully] |
| | | The ME shall not update EF LND with the called party address. | |
| 18 | $USER \to ME$ | The user ends the call after 10 s. | |
| 10 | OSEK -> IVIE | The ME returns in idle mode. | |
| | | e <u>_</u> .otalile iii lale iiieae. | |

PROACTIVE COMMAND: SET UP CALL 4.3.1

Logically:

Command details

Command number: 1

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "CONFIRMATION 1"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456p1p2"

Alpha Identifier (call set up phase): "CALL 1"

Text Attribute (user confirmation phase)

Formatting position: 0 Formatting length: 14

Formatting mode: Right Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Text Attribute (call set up phase)

Formatting position: 0 Formatting length: 6

Formatting mode: Right Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 38 | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0E | 43 | 4F | 4E | 46 | 49 | 52 | 4D | 41 | 54 | 49 | ⁴F |
| | 4E | 20 | 31 | 86 | 09 | 91 | 10 | 32 | 04 | 21 | 43 | 65 |
| | 1C | 2C | 85 | 06 | 43 | 41 | 4C | 4C | 20 | 31 | D0 | 04 |
| | 00 | 0E | 02 | B4 | D0 | 04 | 00 | 06 | 02 | B4 | | |

PROACTIVE COMMAND: SET UP CALL 4.3.2

Logically:

Command details

Command number: 1

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "CONFIRMATION 2"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456p1p2" Alpha Identifier (call set up phase):"CALL 2"

Coding:

| BER-TLV: | D0 | 2C | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0E | 43 | 4F | 4E | 46 | 49 | 52 | 4D | 41 | 54 | 49 | 4F |
| | 4E | 20 | 32 | 86 | 09 | 91 | 10 | 32 | 04 | 21 | 43 | 65 |
| | 1C | 2C | 85 | 06 | 43 | 41 | 4C | 4C | 20 | 32 | | |

TERMINAL RESPONSE: SET UP CALL 4.3.1

Logically:

Command details

Command number: 1

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: ME
Destination device: UICC

Result

454

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

27.22.4.13.4.3.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.3.

27.22.4.13.4.4 SET UP CALL (support of Text Attribute – Large Font Size)

27.22.4.13.4.4.1 Definition and applicability

See clause 3.2.2.

27.22.4.13.4.4.2 Conformance requirement

The ME shall support the Proactive UICC: Set Up Call facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.13, clause 6.6.12, clause 8.6, clause 8.7, clause 8.12, clause 8.12.3, clause 8.70 and clause 5.2.

27.22.4.13.4.4.3 Test purpose

To verify that the ME accepts the Proactive Command - Set Up Call, displays the alpha identifier according to the large font size text attribute configuration to the user, attempts to set up a call to the address and returns the result in the TERMINAL RESPONSE.

27.22.4.13.4.4.4 Method of test

27.22.4.13.4.4.4.1 Initial conditions

The ME is connected to both the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

Prior to this test the ME shall have been powered on, performed the PROFILE DOWNLOAD procedure and in the updated idle mode on the USS.

27.22.4.13.4.4.4.2 Procedure

Expected Sequence 4.4 (SET UP CALL, Text Attribute – Large Font Size)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------------|---|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: | |
| 2 | ME LUCC | SET UP CALL 4.4.1 FETCH | |
| 2 3 | $ME \to UICC$ $UICC \to ME$ | PROACTIVE COMMAND: SET UP | |
| | | CALL 4.4.1 | |
| 4 | $ME \rightarrow USER$ | ME displays "CONFIRMATION 1" | |
| | | during the user confirmation phase | |
| 5 | $USER \to ME$ | The user confirms the set up call | [user confirmation is displayed with large |
| 6 | ME 	o USS | The ME attempts to set up a call to | font size] [second alpha identifier is displayed with |
| | WE 7000 | "+012340123456". | large font size] |
| | | The ME displays "CALL 1" | |
| 7 | $USS \to ME$ | The ME receives the CONNECT | The USS also has to handle the START |
| | | message from the USS. | DTMF and STOP DTMF messages sent by the ME in an appropriate way] |
| 8 | $ME \to UICC$ | TERMINAL RESPONSE 4.4.1 | [Command performed successfully] |
| | | The ME shall not update EF LND with | |
| | LIGER ME | the called party address. | |
| 9 | $USER \to ME$ | The user ends the call after 10 s. The ME returns in idle mode. | |
| 10 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: | |
| | | SET UP CALL 4.4.2 | |
| 11 | ME → UICC | FETCH | |
| 12 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP ICALL 4.4.2 | |
| 13 | $ME \rightarrow USER$ | ME displays "CONFIRMATION 2" | |
| | | during the user confirmation phase | |
| 14 | $USER \to ME$ | The user confirms the set up call | [user confirmation is displayed with |
| 15 | ME 	o USS | The ME attempts to set up a call to | normal font size] [second alpha identifier is displayed with |
| | WL → 000 | "+012340123456". | normal font size] |
| | | The ME displays "CALL 2" | |
| 16 | $USS \to ME$ | The ME receives the CONNECT | [The USS also has to handle the START |
| | | message from the USS. | DTMF and STOP DTMF messages sent by the ME in an appropriate way] |
| 17 | $ME \to UICC$ | TERMINAL RESPONSE 4.4.1 | [Command performed successfully] |
| | | The ME shall not update EF LND with | |
| 18 | $USER \to ME$ | the called party address. The user ends the call after 10 s. | |
| 10 | USER → IVIE | The ME returns in idle mode. | |
| 19 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: | |
| 00 | | SET UP CALL 4.4.1 | |
| 20 | ME → UICC | FETCH PROACTIVE COMMAND: SET UP | |
| 21 | $UICC \to ME$ | CALL 4.4.1 | |
| 22 | $ME \to USER$ | ME displays "CONFIRMATION 1" | |
| | | during the user confirmation phase | Francis and fine address to all and the second seco |
| 23 | $USER \to ME$ | The user confirms the set up call | [user confirmation is displayed with large font size] |
| 24 | ME □USS | The ME attempts to set up a call to | [second alpha identifier is displayed with |
| | , | "+012340123456". | large font size] |
| 25 | 1100 | The ME displays "CALL 1" | IThe LICC clee has to hearth, the OTAST |
| 25 | $USS \to ME$ | The ME receives the CONNECT message from the USS. | [The USS also has to handle the START DTMF and STOP DTMF messages sent |
| | | | by the ME in an appropriate way] |
| 26 | $ME \to UICC$ | TERMINAL RESPONSE 4.4.1 | [Command performed successfully] |
| | | The ME shall not update EF LND with | |
| 27 | $USER \to ME$ | the called party address. The user ends the call after 10 s. | |
| | | The ME returns in idle mode. | |
| 28 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: | |
| 20 | ME SUICO | SET UP CALL 4.4.3 | |
| 29 | $ME \rightarrow UICC$ | FETCH | ı |

| 30 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP CALL 4.4.3 | |
|----|----------------------|---|---|
| 31 | $ME \to USER$ | ME displays "CONFIRMATION 3" during the user confirmation phase | |
| 32 | $USER \to ME$ | The user confirms the set up call | [user confirmation is displayed with normal font size] |
| 33 | $ME \rightarrow USS$ | The ME attempts to set up a call to "+012340123456". The ME displays "CALL 3" | [second alpha identifier is displayed with normal font size] |
| 34 | $USS \to ME$ | The ME receives the CONNECT message from the USS. | [The USS also has to handle the START DTMF and STOP DTMF messages sent by the ME in an appropriate way] |
| 35 | $ME \to UICC$ | TERMINAL RESPONSE 4.4.1 The ME shall not update EF LND with | [Command performed successfully] |
| 36 | $USER \to ME$ | the called party address. The user ends the call after 10 s. The ME returns in idle mode. | |

PROACTIVE COMMAND: SET UP CALL 4.4.1

Logically:

Command details

Command number:

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "CONFIRMATION 1"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456p1p2"

Alpha Identifier (call set up phase): "CALL 1"

Text Attribute (user confirmation phase)

Formatting position: 0 Formatting length: 14

Formatting mode: Left Alignment, Large Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Text Attribute (call set up phase)

Formatting position: 0 Formatting length: 6

Formatting mode: Left Alignment, Large Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 38 | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0E | 43 | 4F | 4E | 46 | 49 | 52 | 4D | 41 | 54 | 49 | ⁴F |
| | 4E | 20 | 31 | 86 | 09 | 91 | 10 | 32 | 04 | 21 | 43 | 65 |
| | 1C | 2C | 85 | 06 | 43 | 41 | 4C | 4C | 20 | 31 | D0 | 04 |
| | 00 | ΩF | 04 | B4 | D0 | 04 | 00 | 06 | 04 | B4 | | |

PROACTIVE COMMAND: SET UP CALL 4.4.2

Logically:

Command details

Command number:

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "CONFIRMATION 2"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456p1p2"

Alpha Identifier (call set up phase): "CALL 2"

Text Attribute (user confirmation phase)

Formatting position: 0 Formatting length: 14

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Text Attribute (call set up phase)

Formatting position: 0 Formatting length: 6

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 38 | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0E | 43 | 4F | 4E | 46 | 49 | 52 | 4D | 41 | 54 | 49 | ⁴F |
| | 4E | 20 | 32 | 86 | 09 | 91 | 10 | 32 | 04 | 21 | 43 | 65 |
| | 1C | 2C | 85 | 06 | 43 | 41 | 4C | 4C | 20 | 32 | D0 | 04 |
| | 00 | 0E | 00 | B4 | D0 | 04 | 00 | 06 | 00 | B4 | | |

PROACTIVE COMMAND: SET UP CALL 4.4.3

Logically:

Command details

Command number:

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "CONFIRMATION 3"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456p1p2"

Alpha Identifier (call set up phase): "CALL 3"

Coding:

| BER-TLV: | D0 | 2C | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0E | 43 | 4F | 4E | 46 | 49 | 52 | 4D | 41 | 54 | 49 | 4F |
| | 4E | 20 | 33 | 86 | 09 | 91 | 10 | 32 | 04 | 21 | 43 | 65 |
| | 1C | 2C | 85 | 06 | 43 | 41 | 4C | 4C | 20 | 33 | | |

TERMINAL RESPONSE: SET UP CALL 4.4.1

Logically:

Command details

Command number: 1

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

27.22.4.13.4.4.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.4.

27.22.4.13.4.5 SET UP CALL (support of Text Attribute – Small Font Size)

27.22.4.13.4.5.1 Definition and applicability

See clause 3.2.2.

27.22.4.13.4.5.2 Conformance requirement

The ME shall support the Proactive UICC: Set Up Call facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.13, clause 6.6.12, clause 8.6, clause 8.7, clause 8.12, clause 8.12.3, clause 8.70 and clause 5.2.

27.22.4.13.4.5.3 Test purpose

To verify that the ME accepts the Proactive Command - Set Up Call, displays the alpha identifier according to the small font size text attribute configuration to the user, attempts to set up a call to the address and returns the result in the TERMINAL RESPONSE.

27.22.4.13.4.4.5 Method of test

27.22.4.13.4.4.5.1 Initial conditions

The ME is connected to both the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

Prior to this test the ME shall have been powered on, performed the PROFILE DOWNLOAD procedure and in the updated idle mode on the USS.

27.22.4.13.4.4.5.2 Procedure

Expected Sequence 4.5 (SET UP CALL, Text Attribute – Small Font Size)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------------|---|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: | |
| 2 | ME LUCC | SET UP CALL 4.5.1 FETCH | |
| 2 | $ME \to UICC$ $UICC \to ME$ | PROACTIVE COMMAND: SET UP | |
| | | CALL 4.5.1 | |
| 4 | $ME \rightarrow USER$ | ME displays "CONFIRMATION 1" | |
| | | during the user confirmation phase | |
| 5 | $USER \to ME$ | The user confirms the set up call | [user confirmation is displayed with small |
| 6 | ME 	o USS | The ME attempts to set up a call to | font size] [second alpha identifier is displayed with |
| | IVIL -> 000 | "+012340123456". | small font size] |
| | | The ME displays "CALL 1" | - |
| 7 | $USS \to ME$ | The ME receives the CONNECT | [The USS also has to handle the START |
| | | message from the USS. | DTMF and STOP DTMF messages sent by the ME in an appropriate way] |
| 8 | $ME \rightarrow UICC$ | TERMINAL RESPONSE 4.5.1 | [Command performed successfully] |
| | WIE 7 0100 | The ME shall not update EF LND with | [[|
| _ | | the called party address. | |
| 9 | $USER \to ME$ | The user ends the call after 10 s. | |
| 10 | $UICC \to ME$ | The ME returns in idle mode. PROACTIVE COMMAND PENDING: | |
| | OIOO / IVIL | SET UP CALL 4.5.2 | |
| 11 | $ME \to UICC$ | FETCH | |
| 12 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP | |
| 13 | $ME \to USER$ | CALL 4.5.2 ME displays "CONFIRMATION 2" | |
| 10 | WIL → USLIX | during the user confirmation phase | |
| 14 | $USER \to ME$ | The user confirms the set up call | [user confirmation is displayed with |
| 4.5 | | T. ME | normal font size] |
| 15 | $ME \rightarrow USS$ | The ME attempts to set up a call to "+012340123456". | [second alpha identifier is displayed with normal font size] |
| | | The ME displays "CALL 2" | Homai font sizej |
| 16 | $USS \to ME$ | The ME receives the CONNECT | [The USS also has to handle the START |
| | | message from the USS. | DTMF and STOP DTMF messages sent |
| 17 | ME 	o UICC | TERMINAL RESPONSE 4.5.1 | by the ME in an appropriate way] [Command performed successfully] |
| '' | IVIE → UICC | The ME shall not update EF LND with | [Command performed successibility] |
| | | the called party address. | |
| 18 | $USER \to ME$ | The user ends the call after 10 s. | |
| 19 | $UICC \to ME$ | The ME returns in idle mode. PROACTIVE COMMAND PENDING: | |
| 13 | | SET UP CALL 4.5.1 | |
| 20 | $ME \to UICC$ | FETCH | |
| 21 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP | |
| 22 | ME 	o USER | CALL 4.5.1 ME displays "CONFIRMATION 1" | |
| | IVIE → USER | during the user confirmation phase | |
| 23 | $USER \to ME$ | The user confirms the set up call | [user confirmation is displayed with small |
| | ME -USS | The ME automate is a little | font size] |
| 24 | ME □USS | The ME attempts to set up a call to "+012340123456". | [second alpha identifier is displayed with small font size] |
| | | The ME displays "CALL 1" | Sinaii iont sizej |
| 25 | $USS \to ME$ | The ME receives the CONNECT | [The USS also has to handle the START |
| | | message from the USS. | DTMF and STOP DTMF messages sent |
| 26 | ME 	o UICC | TERMINAL RESPONSE 4.5.1 | by the ME in an appropriate way] [Command performed successfully] |
| 20 | IVIE → UICC | The ME shall not update EF LND with | [Command performed successfully] |
| | | the called party address. | |
| 27 | $USER \to ME$ | The user ends the call after 10 s. | |
| 28 | LUCC ME | The ME returns in idle mode. PROACTIVE COMMAND PENDING: | |
| 20 | $UICC \to ME$ | SET UP CALL 4.5.3 | |
| 29 | $ME \to UICC$ | FETCH 1.5.5 | |
| ' | | | ' |

| 30 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP | |
|----|-----------------------|---|---|
| 31 | $ME \rightarrow USER$ | ME displays "CONFIRMATION 3" during the user confirmation phase | |
| 32 | $USER \to ME$ | The user confirms the set up call | [user confirmation is displayed with normal font size] |
| 33 | $ME \rightarrow USS$ | The ME attempts to set up a call to "+012340123456". | [second alpha identifier is displayed with normal font size] |
| 34 | $USS \to ME$ | The ME displays "CALL 3" The ME receives the CONNECT message from the USS. | [The USS also has to handle the START DTMF and STOP DTMF messages sent by the ME in an appropriate way] |
| 35 | $ME \rightarrow UICC$ | TERMINAL RESPONSE 4.5.1 The ME shall not update EF LND with | [Command performed successfully] |
| 36 | $USER \to ME$ | the called party address. The user ends the call after 10 s. The ME returns in idle mode. | |

PROACTIVE COMMAND: SET UP CALL 4.5.1

Logically:

Command details

Command number:

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "CONFIRMATION 1"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456p1p2"

Alpha Identifier (call set up phase): "CALL 1"

Text Attribute (user confirmation phase)

Formatting position: 0 Formatting length: 14

Formatting mode: Left Alignment, Small Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Text Attribute (call set up phase)

Formatting position: 0 Formatting length: 6

Formatting mode: Left Alignment, Small Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 38 | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0E | 43 | 4F | 4E | 46 | 49 | 52 | 4D | 41 | 54 | 49 | ⁴F |
| | 4E | 20 | 31 | 86 | 09 | 91 | 10 | 32 | 04 | 21 | 43 | 65 |
| | 1C | 2C | 85 | 06 | 43 | 41 | 4C | 4C | 20 | 31 | D0 | 04 |
| | 00 | 0F | 08 | B4 | D0 | 04 | 00 | 06 | 08 | B4 | | |

PROACTIVE COMMAND: SET UP CALL 4.5.2

Logically:

Command details

Command number:

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "CONFIRMATION 2"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456p1p2"

Alpha Identifier (call set up phase): "CALL 2"

Text Attribute (user confirmation phase)

Formatting position: 0 Formatting length: 14

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Text Attribute (call set up phase)

Formatting position: 0 Formatting length: 6

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 38 | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0E | 43 | 4F | 4E | 46 | 49 | 52 | 4D | 41 | 54 | 49 | ⁴F |
| | 4E | 20 | 32 | 86 | 09 | 91 | 10 | 32 | 04 | 21 | 43 | 65 |
| | 1C | 2C | 85 | 06 | 43 | 41 | 4C | 4C | 20 | 32 | D0 | 04 |
| | 00 | 0E | 00 | B4 | D0 | 04 | 00 | 06 | 00 | B4 | | |

PROACTIVE COMMAND: SET UP CALL 4.5.3

Logically:

Command details

Command number:

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "CONFIRMATION 3"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456p1p2"

Alpha Identifier (call set up phase): "CALL 3"

Coding:

| BER-TLV: | D0 | 2C | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0E | 43 | 4F | 4E | 46 | 49 | 52 | 4D | 41 | 54 | 49 | 4F |
| | 4E | 20 | 33 | 86 | 09 | 91 | 10 | 32 | 04 | 21 | 43 | 65 |
| | 1C | 2C | 85 | 06 | 43 | 41 | 4C | 4C | 20 | 33 | | |

TERMINAL RESPONSE: SET UP CALL 4.5.1

Logically:

Command details

Command number: 1

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

27.22.4.13.4.5.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.5.

27.22.4.13.4.6 SET UP CALL (support of Text Attribute – Bold On)

27.22.4.13.4.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.13.4.6.2 Conformance requirement

The ME shall support the Proactive UICC: Set Up Call facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.13, clause 6.6.12, clause 8.6, clause 8.7, clause 8.12, clause 8.12.3, clause 8.70 and clause 5.2.

27.22.4.13.4.6.3 Test purpose

To verify that the ME accepts the Proactive Command - Set Up Call, displays the alpha identifier according to the bold text attribute configuration to the user, attempts to set up a call to the address and returns the result in the TERMINAL RESPONSE.

27.22.4.13.4.6.4 Method of test

27.22.4.13.4.6.4.1 Initial conditions

The ME is connected to both the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

Prior to this test the ME shall have been powered on, performed the PROFILE DOWNLOAD procedure and in the updated idle mode on the USS.

27.22.4.13.4.6.4.2 Procedure

Expected Sequence 4.6 (SET UP CALL, Text Attribute – Bold On)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: | |
| 2 | $ME \rightarrow UICC$ | SET UP CALL 4.6.1 FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP | |
| | 0.00 / | CALL 4.6.1 | |
| 4 | $ME \rightarrow USER$ | ME displays "CONFIRMATION 1" | |
| 5 | $USER \to ME$ | during the user confirmation phase The user confirms the set up call | [user confirmation is displayed with bold |
| | OOLIK 7 WIL | l l l l l l l l l l l l l l l l l l l | on] |
| 6 | $ME \rightarrow USS$ | The ME attempts to set up a call to "+012340123456". | [second alpha identifier is displayed with bold on] |
| _ | | The ME displays "CALL 1" | |
| 7 | $USS \to ME$ | The ME receives the CONNECT message from the USS. | [The USS also has to handle the START DTMF and STOP DTMF messages sent |
| | | message nom the ooo. | by the ME in an appropriate way] |
| 8 | $ME \rightarrow UICC$ | TERMINAL RESPONSE 4.6.1 | [Command performed successfully] |
| | | The ME shall not update EF LND with the called party address. | |
| 9 | $USER \to ME$ | The user ends the call after 10 s. | |
| 4.0 | | The ME returns in idle mode. | |
| 10 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SET UP CALL 4.6.2 | |
| 11 | ME → UICC | FETCH | |
| 12 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP | |
| 13 | ME → USER | CALL 4.6.2 ME displays "CONFIRMATION 2" | |
| | WIL → USLIX | during the user confirmation phase | |
| 14 | $USER \to ME$ | The user confirms the set up call | [user confirmation is displayed with bold off] |
| 15 | ME 	o USS | The ME attempts to set up a call to | [second alpha identifier is displayed with |
| | | "+012340123456". | bold off] |
| 16 | $USS \to ME$ | The ME displays "CALL 2" The ME receives the CONNECT | The USS also has to handle the START |
| | 000 / III. | message from the USS. | DTMF and STOP DTMF messages sent |
| 17 | ME → UICC | TERMINAL RESPONSE 4.6.1 | by the ME in an appropriate way] |
| '' | ME → UICC | The ME shall not update EF LND with | [Command performed successfully] |
| | | the called party address. | |
| 18 | $USER \to ME$ | The user ends the call after 10 s. The ME returns in idle mode. | |
| 19 | UICC → ME | PROACTIVE COMMAND PENDING: | |
| | | SET UP CALL 4.6.1 | |
| 20 | ME → UICC | FETCH | |
| 21 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP CALL 4.6.1 | |
| 22 | $ME \rightarrow USER$ | ME displays "CONFIRMATION 1" | |
| 23 | $USER \to ME$ | during the user confirmation phase The user confirms the set up call | [user confirmation is displayed with bold |
| | JOEK IVIE | · | on] |
| 24 | ME □USS | The ME attempts to set up a call to "+012340123456". | [second alpha identifier is displayed with |
| | | The ME displays "CALL 1" | bold on] |
| 25 | $USS \to ME$ | The ME receives the CONNECT | [The USS also has to handle the START |
| | | message from the USS. | DTMF and STOP DTMF messages sent |
| 26 | ME → UICC | TERMINAL RESPONSE 4.6.1 | by the ME in an appropriate way] [Command performed successfully] |
| | | The ME shall not update EF LND with | |
| 27 | LICED ME | the called party address. | |
| 27 | USER → ME | The user ends the call after 10 s. The ME returns in idle mode. | |
| 28 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: | |
| 29 | ME VIICC | SET UP CALL 4.6.3 FETCH | |
| 29 | $ME \rightarrow UICC$ | ILE IOU | I |

| 30 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP ICALL 4.6.3 | |
|----|-----------------------|---|---|
| 31 | $ME \rightarrow USER$ | ME displays "CONFIRMATION 3" during the user confirmation phase | |
| 32 | $USER \to ME$ | The user confirms the set up call | [user confirmation is displayed with bold off] |
| 33 | $ME \rightarrow USS$ | The ME attempts to set up a call to "+012340123456". The ME displays "CALL 3" | [second alpha identifier is displayed with bold off] |
| 34 | $USS \to ME$ | The ME receives the CONNECT message from the USS. | [The USS also has to handle the START DTMF and STOP DTMF messages sent by the ME in an appropriate way] |
| 35 | $ME \rightarrow UICC$ | TERMINAL RESPONSE 4.6.1 The ME shall not update EF LND with | [Command performed successfully] |
| 36 | $USER \to ME$ | the called party address. The user ends the call after 10 s. The ME returns in idle mode. | |

PROACTIVE COMMAND: SET UP CALL 4.6.1

Logically:

Command details

Command number:

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "CONFIRMATION 1"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456p1p2"

Alpha Identifier (call set up phase): "CALL 1"

Text Attribute (user confirmation phase)

Formatting position: 0 Formatting length: 14

Formatting mode: Left Alignment, Normal Font, Bold On, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Text Attribute (call set up phase)

Formatting position: 0 Formatting length: 6

Formatting mode: Left Alignment, Normal Font, Bold On, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 38 | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| • | 0E | 43 | 4F | 4E | 46 | 49 | 52 | 4D | 41 | 54 | 49 | ⁴F |
| | 4E | 20 | 31 | 86 | 09 | 91 | 10 | 32 | 04 | 21 | 43 | 65 |
| | 1C | 2C | 85 | 06 | 43 | 41 | 4C | 4C | 20 | 31 | D0 | 04 |
| | 00 | 0F | 10 | B4 | D0 | 04 | 00 | 06 | 10 | B4 | | |

PROACTIVE COMMAND: SET UP CALL 4.6.2

Logically:

Command details

Command number:

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "CONFIRMATION 2"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456p1p2"

Alpha Identifier (call set up phase): "CALL 2"

Text Attribute (user confirmation phase)

Formatting position: 0 Formatting length: 14

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Text Attribute (call set up phase)

Formatting position: 0 Formatting length: 6

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 38 | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0E | 43 | 4F | 4E | 46 | 49 | 52 | 4D | 41 | 54 | 49 | ⁴F |
| | 4E | 20 | 32 | 86 | 09 | 91 | 10 | 32 | 04 | 21 | 43 | 65 |
| | 1C | 2C | 85 | 06 | 43 | 41 | 4C | 4C | 20 | 32 | D0 | 04 |
| | 00 | 0E | 00 | B4 | D0 | 04 | 00 | 06 | 00 | B4 | | |

PROACTIVE COMMAND: SET UP CALL 4.6.3

Logically:

Command details

Command number:

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "CONFIRMATION 3"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456p1p2"

Alpha Identifier (call set up phase): "CALL 3"

Coding:

| BER-TLV: | D0 | 2C | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0E | 43 | 4F | 4E | 46 | 49 | 52 | 4D | 41 | 54 | 49 | 4F |
| | 4E | 20 | 33 | 86 | 09 | 91 | 10 | 32 | 04 | 21 | 43 | 65 |
| | 1C | 2C | 85 | 06 | 43 | 41 | 4C | 4C | 20 | 33 | | |

TERMINAL RESPONSE: SET UP CALL 4.6.1

Logically:

Command details

Command number: 1

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

27.22.4.13.4.6.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.6.

27.22.4.13.4.7 SET UP CALL (support of Text Attribute – Italic On)

27.22.4.13.4.7.1 Definition and applicability

See clause 3.2.2.

27.22.4.13.4.7.2 Conformance requirement

The ME shall support the Proactive UICC: Set Up Call facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.13, clause 6.6.12, clause 8.6, clause 8.7, clause 8.12, clause 8.12.3, clause 8.70 and clause 5.2.

27.22.4.13.4.7.3 Test purpose

To verify that the ME accepts the Proactive Command - Set Up Call, displays the alpha identifier according to the italic text attribute configuration to the user, attempts to set up a call to the address and returns the result in the TERMINAL RESPONSE.

27.22.4.13.4.7.4 Method of test

27.22.4.13.4.7.4.1 Initial conditions

The ME is connected to both the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

Prior to this test the ME shall have been powered on, performed the PROFILE DOWNLOAD procedure and in the updated idle mode on the USS.

27.22.4.13.4.7.4.2 Procedure

Expected Sequence 4.7 (SET UP CALL, Text Attribute – Italic On)

| Step Direction MESSAGE / Action Comments 1 UICC → ME PROACTIVE COMMAND PENDING: SET UP CALL 4.7.1 PROACTIVE COMMAND: SET UP CALL 4.7.1 2 ME → UICC PROACTIVE COMMAND: SET UP CALL 4.7.1 ME → USER 4 ME → USER ME displays "CONFIRMATION 1" during the user confirmation phase The user confirms the set up call to "+012340123456". The ME displays "CALL 1" The ME displays "CALL 1" The ME receives the CONNECT message from the USS. [second alpha identifier is displated on] [second alpha identifier is displated on] 7 USS → ME The ME receives the CONNECT message from the USS. [The USS also has to handle the DTMF and STOP DTMF message by the ME in an appropriate was properly address. 8 ME → UICC TERMINAL RESPONSE 4.7.1 The ME shall not update EF LND with the called party address. The user ends the call after 10 s. The ME returns in idle mode. [Command performed successions of the property | ayed with e START ages sent y] |
|---|--------------------------------|
| 2 ME → UICC 3 UICC → ME PROACTIVE COMMAND: SET UP CALL 4.7.1 4 ME → USER ME displays "CONFIRMATION 1" during the user confirmation phase 5 USER → ME The user confirms the set up call on] 6 ME → USS The ME attempts to set up a call to "+012340123456". The ME displays "CALL 1" The ME receives the CONNECT message from the USS. 8 ME → UICC TERMINAL RESPONSE 4.7.1 The ME shall not update EF LND with the called party address. 9 USER → ME The user ends the call after 10 s. The ME returns in idle mode. 10 UICC → ME PROACTIVE COMMAND PENDING: SET UP CALL 4.7.2 11 ME → UICC FETCH PROACTIVE COMMAND: SET UP CALL 4.7.2 | ayed with e START ages sent y] |
| 3 UICC → ME CALL 4.7.1 4 ME → USER 5 USER → ME 6 ME → USS The ME attempts to set up a call to "+012340123456". The ME displays "CALL 1" The ME receives the CONNECT message from the USS. 8 ME → UICC TERMINAL RESPONSE 4.7.1 The ME shall not update EF LND with the called party address. The ME returns in idle mode. 9 USER → ME 10 UICC → ME PROACTIVE COMMAND PENDING: SET UP CALL 4.7.2 11 ME → UICC 12 UICC → ME PROACTIVE COMMAND: SET UP CALL 4.7.2 FETCH PROACTIVE COMMAND: SET UP CALL 4.7.2 | ayed with e START ages sent y] |
| CALL 4.7.1 ME → USER ME → USER ME → USER ME → USS ME → USS The ME attempts to set up a call to "+012340123456". The ME displays "CALL 1" The ME receives the CONNECT message from the USS. ME → UICC ME → UICC TERMINAL RESPONSE 4.7.1 The ME shall not update EF LND with the called party address. The ME returns in idle mode. PROACTIVE COMMAND PENDING: SET UP CALL 4.7.2 ME displays "CALL 1" [Interpretation is displayed on] [second alpha identifier is displayed on] | ayed with e START ages sent y] |
| 4 ME → USER ME displays "CONFIRMATION 1" during the user confirmation phase 5 USER → ME 6 ME → USS The ME attempts to set up a call to "+012340123456". The ME displays "CALL 1" The ME receives the CONNECT message from the USS. 8 ME → UICC TERMINAL RESPONSE 4.7.1 The ME shall not update EF LND with the called party address. The ME returns in idle mode. PROACTIVE COMMAND PENDING: SET UP CALL 4.7.2 TETCH ME → UICC TERMINAL RESPONSE SET UP CALL 4.7.2 THE ME PROACTIVE COMMAND: SET UP CALL 4.7.2 | ayed with e START ages sent y] |
| 5 USER → ME during the user confirmation phase The user confirms the set up call [user confirmation is displayed on] 6 ME → USS The ME attempts to set up a call to "+012340123456". The ME displays "CALL 1" The ME receives the CONNECT message from the USS. [second alpha identifier is displayed on] 7 USS → ME The ME receives the CONNECT message from the USS. [The USS also has to handle the DTMF and STOP DTMF message by the ME in an appropriate was [Command performed success] 8 ME → UICC The user ends the call after 10 s. The ME returns in idle mode. PROACTIVE COMMAND PENDING: SET UP CALL 4.7.2 [Command performed success] 10 UICC → ME PROACTIVE COMMAND PENDING: SET UP CALL 4.7.2 PETCH PROACTIVE COMMAND: SET UP CALL 4.7.2 | ayed with e START ages sent y] |
| The user confirms the set up call ME → USS | ayed with e START ages sent y] |
| 6 ME → USS The ME attempts to set up a call to "+012340123456". The ME displays "CALL 1" The ME receives the CONNECT message from the USS. ME → UICC TERMINAL RESPONSE 4.7.1 The ME shall not update EF LND with the called party address. The user ends the call after 10 s. The ME returns in idle mode. PROACTIVE COMMAND PENDING: SET UP CALL 4.7.2 TERMINAL RESPONSE 4.7.1 The ME shall not update EF LND with the called party address. The user ends the call after 10 s. The ME returns in idle mode. PROACTIVE COMMAND PENDING: SET UP CALL 4.7.2 THE ME → UICC FETCH PROACTIVE COMMAND: SET UP CALL 4.7.2 | ayed with e START ages sent y] |
| The ME displays "CALL 1" The ME receives the CONNECT message from the USS. ME → UICC TERMINAL RESPONSE 4.7.1 The ME shall not update EF LND with the called party address. The user ends the call after 10 s. The ME returns in idle mode. PROACTIVE COMMAND PENDING: SET UP CALL 4.7.2 ME → UICC ME "+012340123456". The ME receives the CONNECT message from the USS. Italic on] [The USS also has to handle the DTMF and STOP DTMF message by the ME in an appropriate was [Command performed successions of the called party address.] The ME returns in idle mode. PROACTIVE COMMAND PENDING: SET UP CALL 4.7.2 PROACTIVE COMMAND: SET UP CALL 4.7.2 | e START ages sent y] |
| The ME displays "CALL 1" The ME receives the CONNECT message from the USS. ME → UICC TERMINAL RESPONSE 4.7.1 The ME shall not update EF LND with the called party address. The user ends the call after 10 s. The ME returns in idle mode. PROACTIVE COMMAND PENDING: SET UP CALL 4.7.2 ME → UICC ME THE ME displays "CALL 1" [The USS also has to handle the DTMF and STOP DTMF message by the ME in an appropriate was [Command performed successions] The ME shall not update EF LND with the called party address. The user ends the call after 10 s. The ME returns in idle mode. PROACTIVE COMMAND PENDING: SET UP CALL 4.7.2 PROACTIVE COMMAND: SET UP CALL 4.7.2 | ages sent y] |
| The ME receives the CONNECT message from the USS. ME → UICC TERMINAL RESPONSE 4.7.1 The ME shall not update EF LND with the called party address. The user ends the call after 10 s. The ME returns in idle mode. UICC → ME | ages sent y] |
| message from the USS. ME → UICC TERMINAL RESPONSE 4.7.1 The ME shall not update EF LND with the called party address. USER → ME UICC → ME UICC → ME THE ME returns in idle mode. PROACTIVE COMMAND PENDING: SET UP CALL 4.7.2 ME → UICC UICC → ME PROACTIVE COMMAND: SET UP CALL 4.7.2 | ages sent y] |
| 8 ME → UICC TERMINAL RESPONSE 4.7.1 The ME shall not update EF LND with the called party address. The user ends the call after 10 s. The ME returns in idle mode. PROACTIVE COMMAND PENDING: SET UP CALL 4.7.2 11 ME → UICC 12 UICC → ME PROACTIVE COMMAND: SET UP CALL 4.7.2 | y] |
| 8 ME → UICC TERMINAL RESPONSE 4.7.1 The ME shall not update EF LND with the called party address. 9 USER → ME 10 UICC → ME 11 ME → UICC 12 UICC → ME 12 CALL 4.7.2 TRMINAL RESPONSE 4.7.1 The ME shall not update EF LND with the called party address. The user ends the call after 10 s. The ME returns in idle mode. PROACTIVE COMMAND PENDING: SET UP CALL 4.7.2 PROACTIVE COMMAND: SET UP CALL 4.7.2 | |
| the called party address. USER → ME UICC → ME UICC → ME The user ends the call after 10 s. The ME returns in idle mode. PROACTIVE COMMAND PENDING: SET UP CALL 4.7.2 FETCH UICC → ME UICC → ME PROACTIVE COMMAND: SET UP CALL 4.7.2 | |
| 9 USER → ME The user ends the call after 10 s. The ME returns in idle mode. 10 UICC → ME PROACTIVE COMMAND PENDING: SET UP CALL 4.7.2 11 ME → UICC 12 UICC → ME PROACTIVE COMMAND: SET UP CALL 4.7.2 | |
| The ME returns in idle mode. PROACTIVE COMMAND PENDING: SET UP CALL 4.7.2 PETCH UICC → ME PROACTIVE COMMAND: SET UP CALL 4.7.2 | |
| 10 UICC \rightarrow ME PROACTIVE COMMAND PENDING: SET UP CALL 4.7.2 11 ME \rightarrow UICC FETCH 12 UICC \rightarrow ME PROACTIVE COMMAND: SET UP CALL 4.7.2 | |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | |
| 11 ME \rightarrow UICC FETCH PROACTIVE COMMAND: SET UP CALL 4.7.2 | |
| 12 UICC → ME PROACTIVE COMMAND: SET UP CALL 4.7.2 | |
| CALL 4.7.2 | |
| 13 ME → USER ME displays "CONFIRMATION 2" | |
| | |
| during the user confirmation phase | dala da a liba |
| 14 USER → ME The user confirms the set up call [user confirmation is displayed off] | with italic |
| 15 ME → USS The ME attempts to set up a call to [second alpha identifier is displayed] | aved with |
| "+012340123456". | ayou man |
| The ME displays "CALL 2" | |
| 16 USS → ME The ME receives the CONNECT [The USS also has to handle the | |
| message from the USS. DTMF and STOP DTMF message from the USS. | |
| by the ME in an appropriate wa 17 ME → UICC TERMINAL RESPONSE 4.7.1 [Command performed successions] | |
| The ME shall not update EF LND with | unyj |
| the called party address. | |
| 18 USER \rightarrow ME The user ends the call after 10 s. | |
| The ME returns in idle mode. | |
| 19 UICC → ME PROACTIVE COMMAND PENDING: | |
| | |
| 21 UICC → ME PROACTIVE COMMAND: SET UP | |
| CALL 4.7.1 | |
| 22 ME → USER ME displays "CONFIRMATION 1" | |
| during the user confirmation phase | |
| 23 USER \rightarrow ME The user confirms the set up call [user confirmation is displayed | with italic |
| on] | oved with |
| 24 ME □USS The ME attempts to set up a call to [second alpha identifier is displitation] [second alpha identifier is displitation] | ayed with |
| The ME displays "CALL 1" | |
| 25 USS → ME The ME receives the CONNECT [The USS also has to handle the | e START |
| message from the USS. DTMF and STOP DTMF message | |
| by the ME in an appropriate wa | |
| 26 ME → UICC TERMINAL RESPONSE 4.7.1 [Command performed succession of the product of the produc | ully] |
| The ME shall not update EF LND with the called party address. | |
| 27 USER → ME The user ends the call after 10 s. | |
| The ME returns in idle mode. | |
| 28 UICC → ME PROACTIVE COMMAND PENDING: | |
| SET UP CALL 4.7.3 | |
| 29 ME → UICC FETCH | |

| 30 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP | |
|----|-----------------------|---|---|
| 31 | $ME \rightarrow USER$ | ME displays "CONFIRMATION 3" during the user confirmation phase | |
| 32 | $USER \to ME$ | The user confirms the set up call | [user confirmation is displayed with italic off] |
| 33 | $ME \rightarrow USS$ | The ME attempts to set up a call to "+012340123456". The ME displays "CALL 3" | [second alpha identifier is displayed with italic off] |
| 34 | $USS \to ME$ | The ME receives the CONNECT message from the USS. | [The USS also has to handle the START DTMF and STOP DTMF messages sent by the ME in an appropriate way] |
| 35 | $ME \rightarrow UICC$ | | [Command performed successfully] |
| 36 | $USER \to ME$ | The user ends the call after 10 s. The ME returns in idle mode. | |

PROACTIVE COMMAND: SET UP CALL 4.7.1

Logically:

Command details

Command number:

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "CONFIRMATION 1"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456p1p2"

Alpha Identifier (call set up phase): "CALL 1"

Text Attribute (user confirmation phase)

Formatting position: 0 Formatting length: 14

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic On, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Text Attribute (call set up phase)

Formatting position: 0 Formatting length: 6

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic On, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 38 | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0E | 43 | 4F | 4E | 46 | 49 | 52 | 4D | 41 | 54 | 49 | ⁴F |
| | 4E | 20 | 31 | 86 | 09 | 91 | 10 | 32 | 04 | 21 | 43 | 65 |
| | 1C | 2C | 85 | 06 | 43 | 41 | 4C | 4C | 20 | 31 | D0 | 04 |
| | 00 | 0F | 20 | B4 | D0 | 04 | 00 | 06 | 20 | B4 | | |

PROACTIVE COMMAND: SET UP CALL 4.7.2

Logically:

Command details

Command number:

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "CONFIRMATION 2"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456p1p2"

Alpha Identifier (call set up phase): "CALL 2"

Text Attribute (user confirmation phase)

Formatting position: 0 Formatting length: 14

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Text Attribute (call set up phase)

Formatting position: 0 Formatting length: 6

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 38 | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0E | 43 | 4F | 4E | 46 | 49 | 52 | 4D | 41 | 54 | 49 | ⁴F |
| | 4E | 20 | 32 | 86 | 09 | 91 | 10 | 32 | 04 | 21 | 43 | 65 |
| | 1C | 2C | 85 | 06 | 43 | 41 | 4C | 4C | 20 | 32 | D0 | 04 |
| | 00 | 0E | 00 | B4 | D0 | 04 | 00 | 06 | 00 | B4 | | |

PROACTIVE COMMAND: SET UP CALL 4.7.3

Logically:

Command details

Command number:

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "CONFIRMATION 3"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456p1p2"

Alpha Identifier (call set up phase): "CALL 3"

Coding:

| BER-TLV: | D0 | 2C | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0E | 43 | 4F | 4E | 46 | 49 | 52 | 4D | 41 | 54 | 49 | 4F |
| | 4E | 20 | 33 | 86 | 09 | 91 | 10 | 32 | 04 | 21 | 43 | 65 |
| | 1C | 2C | 85 | 06 | 43 | 41 | 4C | 4C | 20 | 33 | | |

TERMINAL RESPONSE: SET UP CALL 4.7.1

Logically:

Command details

Command number: 1

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

27.22.4.13.4.7.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.7.

27.22.4.13.4.8 SET UP CALL (support of Text Attribute – Underline On)

27.22.4.13.4.8.1 Definition and applicability

See clause 3.2.2.

27.22.4.13.4.8.2 Conformance requirement

The ME shall support the Proactive UICC: Set Up Call facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.13, clause 6.6.12, clause 8.6, clause 8.7, clause 8.12, clause 8.12.3, clause 8.70 and clause 5.2.

27.22.4.13.4.8.3 Test purpose

To verify that the ME accepts the Proactive Command - Set Up Call, displays the alpha identifier according to the underline text attribute configuration to the user, attempts to set up a call to the address and returns the result in the TERMINAL RESPONSE.

27.22.4.13.4.8.4 Method of test

27.22.4.13.4.8.4.1 Initial conditions

The ME is connected to both the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

Prior to this test the ME shall have been powered on, performed the PROFILE DOWNLOAD procedure and in the updated idle mode on the USS.

27.22.4.13.4.8.4.2 Procedure

Expected Sequence 4.8 (SET UP CALL, Text Attribute – Underline On)

| Step | Direction | MESSAGE / Action | Comments |
|----------|--|---|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: | |
| | ME | SET UP CALL 4.8.1 | |
| 2 3 | ME → UICC | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP ICALL 4.8.1 | |
| 4 | $ME \rightarrow USER$ | ME displays "CONFIRMATION 1" | |
| | / COLIN | during the user confirmation phase | |
| 5 | $USER \to ME$ | The user confirms the set up call | [user confirmation is displayed with |
| | | | underline on] |
| 6 | $ME \rightarrow USS$ | The ME attempts to set up a call to "+012340123456". | [second alpha identifier is displayed with underline on] |
| | | The ME displays "CALL 1" | |
| 7 | $USS \to ME$ | The ME receives the CONNECT | The USS also has to handle the START |
| | | message from the USS. | DTMF and STOP DTMF messages sent |
| | | | by the ME in an appropriate way] |
| 8 | $ME \rightarrow UICC$ | TERMINAL RESPONSE 4.8.1 | [Command performed successfully] |
| | | The ME shall not update EF LND with the called party address. | |
| 9 | $USER \to ME$ | The user ends the call after 10 s. | |
| | | The ME returns in idle mode. | |
| 10 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: | |
| 14 | ME . LUCC | SET UP CALL 4.8.2 | |
| 11 12 | $ME \rightarrow UICC$ $UICC \rightarrow ME$ | FETCH PROACTIVE COMMAND: SET UP | |
| 12 | OICC → IVIE | CALL 4.8.2 | |
| 13 | $ME \to USER$ | ME displays "CONFIRMATION 2" | |
| | | during the user confirmation phase | |
| 14 | $USER \to ME$ | The user confirms the set up call | [user confirmation is displayed with |
| 15 | ME 	o USS | The ME attempts to set up a call to | underline off] [second alpha identifier is displayed with |
| | WL → 000 | "+012340123456". | underline off] |
| | | The ME displays "CALL 2" | |
| 16 | $USS \to ME$ | The ME receives the CONNECT | [The USS also has to handle the START |
| | | message from the USS. | DTMF and STOP DTMF messages sent |
| 17 | $ME \to UICC$ | TERMINAL RESPONSE 4.8.1 | by the ME in an appropriate way] [Command performed successfully] |
| | WE 7 0100 | The ME shall not update EF LND with | [command pomention duodesciumy] |
| | | the called party address. | |
| 18 | $USER \to ME$ | The user ends the call after 10 s. | |
| 19 | LIICC - ME | The ME returns in idle mode. PROACTIVE COMMAND PENDING: | |
| 19 | $UICC \to ME$ | SET UP CALL 4.8.1 | |
| 20 | $ME \to UICC$ | FETCH | |
| 21 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP | |
| | NAC | CALL 4.8.1 | |
| 22 | $ME \rightarrow USER$ | ME displays "CONFIRMATION 1" during the user confirmation phase | |
| 23 | $USER \to ME$ | The user confirms the set up call | [user confirmation is displayed with |
| == | 30_10 / IVIL | | underline on] |
| 24 | ME □USS | The ME attempts to set up a call to | [second alpha identifier is displayed with |
| | | "+012340123456". | underline on] |
| 25 | $USS \to ME$ | The ME displays "CALL 1" The ME receives the CONNECT | The USS also has to handle the START |
| 20 | UUU → IVIE | message from the USS. | DTMF and STOP DTMF messages sent |
| | | | by the ME in an appropriate way] |
| 26 | $ME \to UICC$ | TERMINAL RESPONSE 4.8.1 | [Command performed successfully] |
| | | The ME shall not update EF LND with | |
| 27 | $USER \to ME$ | the called party address. The user ends the call after 10 s. | |
| | OOLIV - IVIE | The ME returns in idle mode. | |
| 28 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: | |
| | | SET UP CALL 4.8.3 | |
| 29 | $ME \rightarrow UICC$ | FETCH | l |

| 30 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP CALL 4.8.3 | |
|----|-----------------------|---|---|
| 31 | $ME \rightarrow USER$ | ME displays "CONFIRMATION 3" during the user confirmation phase | |
| 32 | $USER \to ME$ | The user confirms the set up call | [user confirmation is displayed with underline off] |
| 33 | $ME \rightarrow USS$ | The ME attempts to set up a call to "+012340123456". The ME displays "CALL 3" | [second alpha identifier is displayed with Undeline off] |
| 34 | $USS \to ME$ | The ME receives the CONNECT message from the USS. | [The USS also has to handle the START DTMF and STOP DTMF messages sent by the ME in an appropriate way] |
| 35 | $ME \to UICC$ | TERMINAL RESPONSE 4.8.1 The ME shall not update EF LND with | [Command performed successfully] |
| 36 | $USER \to ME$ | the called party address. The user ends the call after 10 s. The ME returns in idle mode. | |

PROACTIVE COMMAND: SET UP CALL 4.8.1

Logically:

Command details

Command number:

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "CONFIRMATION 1"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456p1p2"

Alpha Identifier (call set up phase): "CALL 1"

Text Attribute (user confirmation phase)

Formatting position: 0 Formatting length: 14

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline On,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Text Attribute (call set up phase)

Formatting position: 0 Formatting length: 6

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline On,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 38 | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0E | 43 | 4F | 4E | 46 | 49 | 52 | 4D | 41 | 54 | 49 | ⁴F |
| | 4E | 20 | 31 | 86 | 09 | 91 | 10 | 32 | 04 | 21 | 43 | 65 |
| | 1C | 2C | 85 | 06 | 43 | 41 | 4C | 4C | 20 | 31 | D0 | 04 |
| | 00 | 0F | 40 | B4 | D0 | 04 | 00 | 06 | 40 | B4 | | |

PROACTIVE COMMAND: SET UP CALL 4.8.2

Logically:

Command details

Command number:

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "CONFIRMATION 2"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456p1p2"

Alpha Identifier (call set up phase): "CALL 2"

Text Attribute (user confirmation phase)

Formatting position: 0 Formatting length: 14

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Text Attribute (call set up phase)

Formatting position: 0 Formatting length: 6

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 38 | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0E | 43 | 4F | 4E | 46 | 49 | 52 | 4D | 41 | 54 | 49 | ⁴F |
| | 4E | 20 | 32 | 86 | 09 | 91 | 10 | 32 | 04 | 21 | 43 | 65 |
| | 1C | 2C | 85 | 06 | 43 | 41 | 4C | 4C | 20 | 32 | D0 | 04 |
| | 00 | 0E | 00 | B4 | D0 | 04 | 00 | 06 | 00 | B4 | | |

PROACTIVE COMMAND: SET UP CALL 4.8.3

Logically:

Command details

Command number:

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "CONFIRMATION 3"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456p1p2"

Alpha Identifier (call set up phase): "CALL 3"

Coding:

| BER-TLV: | D0 | 2C | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0E | 43 | 4F | 4E | 46 | 49 | 52 | 4D | 41 | 54 | 49 | 4F |
| | 4E | 20 | 33 | 86 | 09 | 91 | 10 | 32 | 04 | 21 | 43 | 65 |
| | 1C | 2C | 85 | 06 | 43 | 41 | 4C | 4C | 20 | 33 | | |

TERMINAL RESPONSE: SET UP CALL 4.8.1

Logically:

Command details

474

Command number: 1

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

27.22.4.13.4.8.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.8.

27.22.4.13.4.9 SET UP CALL (support of Text Attribute – Strikethrough On)

27.22.4.13.4.9.1 Definition and applicability

See clause 3.2.2.

27.22.4.13.4.9.2 Conformance requirement

The ME shall support the Proactive UICC: Set Up Call facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.13, clause 6.6.12, clause 8.6, clause 8.7, clause 8.12, clause 8.12.3, clause 8.70 and clause 5.2.

27.22.4.13.4.9.3 Test purpose

To verify that the ME accepts the Proactive Command - Set Up Call, displays the alpha identifier according to the strikethrough text attribute configuration to the user, attempts to set up a call to the address and returns the result in the TERMINAL RESPONSE.

27.22.4.13.4.9.4 Method of test

27.22.4.13.4.9.4.1 Initial conditions

The ME is connected to both the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

Prior to this test the ME shall have been powered on, performed the PROFILE DOWNLOAD procedure and in the updated idle mode on the USS.

27.22.4.13.4.9.4.2 Procedure

Expected Sequence 4.9 (SET UP CALL, Text Attribute – Strikethrough On)

| Step | Direction | MESSAGE / Action | Comments |
|----------|-----------------------|--|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: | |
| | | SET UP CALL 4.9.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP | |
| 4 | $ME \rightarrow USER$ | CALL 4.9.1 ME displays "CONFIRMATION 1" | |
| 4 | IVIE → USER | during the user confirmation phase | |
| 5 | $USER \to ME$ | The user confirms the set up call | [user confirmation is displayed with |
| | | · | strikethrough on] |
| 6 | $ME \to USS$ | The ME attempts to set up a call to | [second alpha identifier is displayed with |
| | | "+012340123456". | strikethrough on] |
| 7 | $USS \to ME$ | The ME displays "CALL 1" The ME receives the CONNECT | [The USS also has to handle the START |
| ' | 033 → IVIL | message from the USS. | DTMF and STOP DTMF messages sent |
| | | moodage nom the ede. | by the ME in an appropriate way] |
| 8 | $ME \to UICC$ | TERMINAL RESPONSE 4.9.1 | [Command performed successfully] |
| | | The ME shall not update EF LND with | |
| | | the called party address. | |
| 9 | $USER \to ME$ | The user ends the call after 10 s. The ME returns in idle mode. | |
| 10 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: | |
| 10 | OIOO IVIL | SET UP CALL 4.9.2 | |
| 11 | $ME \to UICC$ | FETCH | |
| 12 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP | |
| | | CALL 4.9.2 | |
| 13 | $ME \rightarrow USER$ | ME displays "CONFIRMATION 2" | |
| 14 | $USER \to ME$ | during the user confirmation phase The user confirms the set up call | [user confirmation is displayed with |
| 14 | USER → IVIE | The user committis the set up can | strikethrough off] |
| 15 | ME 	o USS | The ME attempts to set up a call to | [second alpha identifier is displayed with |
| | , | "+012340123456". | strikethrough off] |
| | | The ME displays "CALL 2" | |
| 16 | $USS \to ME$ | The ME receives the CONNECT | [The USS also has to handle the START |
| | | message from the USS. | DTMF and STOP DTMF messages sent by the ME in an appropriate way] |
| 17 | $ME \to UICC$ | TERMINAL RESPONSE 4.9.1 | [Command performed successfully] |
| | | The ME shall not update EF LND with | ,, |
| | | the called party address. | |
| 18 | $USER \to ME$ | The user ends the call after 10 s. | |
| 19 | $UICC \to ME$ | The ME returns in idle mode. PROACTIVE COMMAND PENDING: | |
| 19 | OICC → IVIE | SET UP CALL 4.9.1 | |
| 20 | $ME \to UICC$ | FETCH | |
| 21 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP | |
| | | CALL 4.9.1 | |
| 22 | $ME \rightarrow USER$ | ME displays "CONFIRMATION 1" | |
| 23 | $USER \to ME$ | during the user confirmation phase The user confirms the set up call | [user confirmation is displayed with |
| 23 | USER → IVIE | The user committis the set up can | strikethrough on] |
| 24 | ME □USS | The ME attempts to set up a call to | [second alpha identifier is displayed with |
| | • | "+012340123456". | strikethrough on] |
| | | The ME displays "CALL 1" | |
| 25 | $USS \to ME$ | The ME receives the CONNECT | [The USS also has to handle the START |
| | | message from the USS. | DTMF and STOP DTMF messages sent |
| 26 | $ME \to UICC$ | TERMINAL RESPONSE 4.9.1 | by the ME in an appropriate way] [Command performed successfully] |
| 20 | MIL -> UICC | The ME shall not update EF LND with | [Communic performed successibility] |
| | | the called party address. | |
| 27 | $USER \to ME$ | The user ends the call after 10 s. | |
| 00 | 11100 | The ME returns in idle mode. | |
| 28 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SET UP CALL 4.9.3 | |
| 29 | $ME \to UICC$ | FETCH | |
| 1 20 | WIL / 0100 | J. 2. 0. 1 | I I |

| 30 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP CALL 4.9.3 | |
|----|----------------------|---|---|
| 31 | $ME \to USER$ | ME displays "CONFIRMATION 3" during the user confirmation phase | |
| 32 | $USER \to ME$ | The user confirms the set up call | [user confirmation is displayed with strikethrough off] |
| 33 | $ME \rightarrow USS$ | The ME attempts to set up a call to "+012340123456". The ME displays "CALL 3" | [second alpha identifier is displayed with strikethrough off] |
| 34 | $USS \to ME$ | The ME receives the CONNECT message from the USS. | [The USS also has to handle the START DTMF and STOP DTMF messages sent by the ME in an appropriate way] |
| 35 | $ME \to UICC$ | TERMINAL RESPONSE 4.9.1 The ME shall not update EF LND with | [Command performed successfully] |
| 36 | $USER \to ME$ | the called party address. The user ends the call after 10 s. The ME returns in idle mode. | |

PROACTIVE COMMAND: SET UP CALL 4.9.1

Logically:

Command details

Command number:

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "CONFIRMATION 1"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456p1p2"

Alpha Identifier (call set up phase): "CALL 1"

Text Attribute (user confirmation phase)

Formatting position: 0 Formatting length: 14

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough On

Colour: Dark Green Foreground, Bright Yellow Background

Text Attribute (call set up phase)

Formatting position: 0 Formatting length: 6

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough On

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 38 | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0E | 43 | 4F | 4E | 46 | 49 | 52 | 4D | 41 | 54 | 49 | ⁴F |
| | 4E | 20 | 31 | 86 | 09 | 91 | 10 | 32 | 04 | 21 | 43 | 65 |
| | 1C | 2C | 85 | 06 | 43 | 41 | 4C | 4C | 20 | 31 | D0 | 04 |
| | 00 | 0F | 80 | B4 | D0 | 04 | 00 | 06 | 80 | B4 | | |

PROACTIVE COMMAND: SET UP CALL 4.9.2

Logically:

Command details

Command number:

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "CONFIRMATION 2"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456p1p2"

Alpha Identifier (call set up phase): "CALL 2"

Text Attribute (user confirmation phase)

Formatting position: 0 Formatting length: 14

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Text Attribute (call set up phase)

Formatting position: 0 Formatting length: 6

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 38 | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0E | 43 | 4F | 4E | 46 | 49 | 52 | 4D | 41 | 54 | 49 | ⁴F |
| | 4E | 20 | 32 | 86 | 09 | 91 | 10 | 32 | 04 | 21 | 43 | 65 |
| | 1C | 2C | 85 | 06 | 43 | 41 | 4C | 4C | 20 | 32 | D0 | 04 |
| | 00 | 0E | 00 | B4 | D0 | 04 | 00 | 06 | 00 | B4 | | |

PROACTIVE COMMAND: SET UP CALL 4.9.3

Logically:

Command details

Command number:

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "CONFIRMATION 3"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456p1p2"

Alpha Identifier (call set up phase): "CALL 3"

Coding:

| BER-TLV: | D0 | 2C | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0E | 43 | 4F | 4E | 46 | 49 | 52 | 4D | 41 | 54 | 49 | 4F |
| | 4E | 20 | 33 | 86 | 09 | 91 | 10 | 32 | 04 | 21 | 43 | 65 |
| | 1C | 2C | 85 | 06 | 43 | 41 | 4C | 4C | 20 | 33 | | |

TERMINAL RESPONSE: SET UP CALL 4.9.1

Logically:

Command details

Command number: 1

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

27.22.4.13.4.9.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.9.

27.22.4.13.4.10 SET UP CALL (support of Text Attribute – Foreground and Background Colour)

27.22.4.13.4.10.1 Definition and applicability

See clause 3.2.2.

27.22.4.13.4.10.2 Conformance requirement

The ME shall support the Proactive UICC: Set Up Call facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.13, clause 6.6.12, clause 8.6, clause 8.7, clause 8.12, clause 8.12.3, clause 8.70 and clause 5.2.

27.22.4.13.4.10.3 Test purpose

To verify that the ME accepts the Proactive Command - Set Up Call, displays the alpha identifier according to the foreground and background colour text attribute configuration to the user, attempts to set up a call to the address and returns the result in the TERMINAL RESPONSE.

27.22.4.13.4.10.4 Method of test

27.22.4.13.4.10.4.1 Initial conditions

The ME is connected to both the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

Prior to this test the ME shall have been powered on, performed the PROFILE DOWNLOAD procedure and in the updated idle mode on the USS.

27.22.4.13.4.10.4.2 Procedure

Expected Sequence 4.10 (SET UP CALL, Text Attribute – Foreground and Background Colour)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: | |
| | | SET UP CALL 4.10.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP | |
| | | CALL 4.10.1 | |
| 4 | $ME \rightarrow USER$ | ME displays "CONFIRMATION 1" | |
| 5 | LICED ME | during the user confirmation phase The user confirms the set up call | Lugar confirmation is displayed with |
| 3 | USER → ME | The user committis the set up can | [user confirmation is displayed with foreground and background colour |
| | | | according to Text Attribute configuration] |
| 6 | $ME \rightarrow USS$ | The ME attempts to set up a call to | [second alpha identifier is displayed with |
| | 1112 7 000 | "+012340123456". | foreground and background colour |
| | | The ME displays "CALL 1" | according to Text Attribute configuration] |
| 7 | $USS \to ME$ | The ME receives the CONNECT | [The USS also has to handle the START |
| | | message from the USS. | DTMF and STOP DTMF messages sent |
| | | | by the ME in an appropriate way] |
| 8 | $ME \rightarrow UICC$ | TERMINAL RESPONSE 4.10.1 | [Command performed successfully] |
| | | The ME shall not update EF LND with | |
| 9 | USER → ME | the called party address. The user ends the call after 10 s. | |
| 9 | USER → IVIE | The ME returns in idle mode. | |
| 10 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: | |
| | OIGG / IVIE | SET UP CALL 4.10.2 | |
| 11 | $ME \rightarrow UICC$ | FETCH | |
| 12 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP | |
| | | CALL 4.10.2 | |
| 13 | $ME \rightarrow USER$ | ME displays "CONFIRMATION 2" | |
| | | during the user confirmation phase | |
| 14 | $USER \to ME$ | The user confirms the set up call | [user confirmation is displayed with ME"s |
| | | | default foreground and background colourl |
| 15 | $ME \rightarrow USS$ | The ME attempts to set up a call to | [second alpha identifier is displayed with |
| | WE 7000 | "+012340123456". | ME"s default foreground and |
| | | The ME displays "CALL 2" | background colour] |
| 16 | $USS \to ME$ | The ME receives the CONNECT | [The USS also has to handle the START |
| | | message from the USS. | DTMF and STOP DTMF messages sent |
| | | | by the ME in an appropriate way] |
| 17 | $ME \rightarrow UICC$ | TERMINAL RESPONSE 4.10.1 | [Command performed successfully] |
| | | The ME shall not update EF LND with | |
| 10 | LICED ME | the called party address. The user ends the call after 10 s. | |
| 18 | $USER \to ME$ | The ME returns in idle mode. | |
| | 1 | THE ME LEMINS III MIE MOME. | |

PROACTIVE COMMAND: SET UP CALL 4.10.1

Logically:

Command details

Command number: 1

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "CONFIRMATION 1"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456p1p2"

Alpha Identifier (call set up phase): "CALL 1"

Text Attribute (user confirmation phase)

Formatting position: 0 Formatting length: 14

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Text Attribute (call set up phase)

Formatting position: 0 Formatting length: 6

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Bright Yellow Foreground, Dark Green Background

Coding:

| BER-TLV: | D0 | 38 | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0E | 43 | 4F | 4E | 46 | 49 | 52 | 4D | 41 | 54 | 49 | ⁴F |
| | 4E | 20 | 31 | 86 | 09 | 91 | 10 | 32 | 04 | 21 | 43 | 65 |
| | 1C | 2C | 85 | 06 | 43 | 41 | 4C | 4C | 20 | 31 | D0 | 04 |
| | 00 | 0E | 00 | B4 | D0 | 04 | 00 | 06 | 00 | 4B | | |

PROACTIVE COMMAND: SET UP CALL 4.10.2

Logically:

Command details

Command number:

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "CONFIRMATION 2"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456p1p2"

Alpha Identifier (call set up phase): "CALL 2"

Coding:

| BER-TLV: | D0 | 2C | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0E | 43 | 4F | 4E | 46 | 49 | 52 | 4D | 41 | 54 | 49 | 4F |
| | 4E | 20 | 32 | 86 | 09 | 91 | 10 | 32 | 04 | 21 | 43 | 65 |
| | 1C | 2C | 85 | 06 | 43 | 41 | 4C | 4C | 20 | 32 | | |

TERMINAL RESPONSE: SET UP CALL 4.10.1

Logically:

Command details

Command number: 1

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

| BER-TLV: | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

27.22.4.13.4.10.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.10.

27.22.4.13.5 SET UP CALL (UCS2 Display in *Cyrillic*)

27.22.4.13.5.1 Definition and applicability

See clause 3.2.2.

27.22.4.13.5.2 Conformance requirement

The ME shall support the Proactive UICC: Set Up Call facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.13, clause 6.6.12, clause 8.6, clause 8.7, clause 8.12, clause 8.12.3 and clause 5.2.

The ME shall support the UCS2 facility for the coding of the Cyrillic alphabet, as defined in:

- ISO/IEC 10646 [17].

27.22.4.13.5.3 Test purpose

To verify that the ME accepts the Proactive Command - Set Up Call, displays the alpha identifier with UCS2 coding to the user, attempts to set up a call to the address and returns the result in the TERMINAL RESPONSE.

27.22.4.13.5.4 Method of test

27.22.4.13.5.4.1 Initial conditions

The ME is connected to both the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

Prior to this test the ME shall have been powered on, performed the PROFILE DOWNLOAD procedure and be in updated idle mode on the USS.

27.22.4.13.5.4.2 Procedure

Expected Sequence 5.1 (SET UP CALL with UCS2 – Cyrillic Characters, call confirmed by the user and connected)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|----------------------------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SET | |
| | | UP CALL 5.1.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP CALL | |
| | | 5.1.1 | |
| 4 | $ME \rightarrow USER$ | | ["ЗДРАВСТВУЙТЕ": 'Hello' in |
| | | user confirmation phase. | Russian] |
| 5 | $USER \to ME$ | The user confirms the call set up | [user confirmation] |
| 6 | $ME \rightarrow USS$ | The ME attempts to set up a call to | |
| _ | | "+012340123456" | |
| 7 | $USS \to ME$ | The ME receives the CONNECT message | |
| _ | | from the USS. | |
| 8 | $ME \rightarrow UICC$ | | [Command performed successfully] |
| | | The ME shall not update EF LND with the | |
| | | called party address. | |
| 9 | $USER \rightarrow ME$ | The user ends the call after 5 s. | |
| | | The ME returns to idle mode. | |

PROACTIVE COMMAND: SET UP CALL 5.1.1

Logically:

Command details

Command number: 1

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "ЗДРАВСТВУЙТЕ"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456"

Coding:

| BER-TLV: | D0 | 2D | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 19 | 80 | 04 | 17 | 04 | 14 | 04 | 20 | 04 | 10 | 04 | 12 |
| | 04 | 21 | 04 | 22 | 04 | 12 | 04 | 23 | 04 | 19 | 04 | 22 |
| | 04 | 15 | 86 | 07 | 91 | 10 | 32 | 04 | 21 | 43 | 65 | |

TERMINAL RESPONSE: SET UP CALL 5.1.1

Logically:

Command details

Command number: 1

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

| BER-TLV: | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

Expected Sequence 5.2 (SET UP CALL, two alpha identifiers coded in UCS2 - Cyrillic Characters)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|----------------------------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: | |
| | | SET UP CALL 5.2.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP | |
| | | CALL 5.2.1 | |
| 4 | $ME \to USER$ | ME displays "ЗДРАВСТВУЙТЕ1" during | ['ЗДРАВСТВУЙТЕ1' : 'Hello1' in |
| | | | Russian] |
| 5 | $USER \to ME$ | The user confirms the set up call | [user confirmation] |
| 6 | $ME \to USS$ | The ME attempts to set up a call to | [second alpha identifier] |
| | | "+012340123456". | ['ЗДРАВСТВУЙТЕ2' : 'Hello2' in |
| | | , | Russian] |
| 7 | $USS \to ME$ | The ME receives the CONNECT | |
| | | message from the USS. | |
| 8 | $ME \rightarrow UICC$ | TERMINAL RESPONSE 5.2.1 | [Command performed successfully] |
| | | The ME shall not update EF LND with | |
| | | the called party address. | |
| 9 | USER \rightarrow ME | The user ends the call after 5 s. | |
| | | The ME returns in idle mode. | |

PROACTIVE COMMAND: SET UP CALL 5.2.1

Logically:

Command details

Command number:

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "ЗДРАВСТВУЙТЕ1"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456" Alpha Identifier (call set up phase): "ЗДРАВСТВУЙТЕ2"

Coding:

| BER-TLV: | D0 | 4C | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 1B | 80 | 04 | 17 | 04 | 14 | 04 | 20 | 04 | 10 | 04 | 12 |
| | 04 | 21 | 04 | 22 | 04 | 12 | 04 | 23 | 04 | 19 | 04 | 22 |
| | 04 | 15 | 00 | 31 | 86 | 07 | 91 | 10 | 32 | 04 | 21 | 43 |
| | 65 | 85 | 1B | 80 | 04 | 17 | 04 | 14 | 04 | 20 | 04 | 10 |
| | 04 | 12 | 04 | 21 | 04 | 22 | 04 | 12 | 04 | 23 | 04 | 19 |
| | 04 | 22 | 04 | 15 | 00 | 32 | | | | | | |

TERMINAL RESPONSE: SET UP CALL 5.2.1

Logically:

Command details

Command number:

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: ME Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: 81 03 | 01 10 | 00 82 | 02 82 | 81 | 83 | 01 | 00 |
|----------------|-------|-------|-------|----|----|----|----|
|----------------|-------|-------|-------|----|----|----|----|

27.22.4.13.5.5 Test requirement

The ME shall operate in the manner defined in expected sequences 5.1 to 5.2.

27.22.4.13.6 SET UP CALL (UCS2 Display in Chinese)

27.22.4.13.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.13.6.2 Conformance requirement

The ME shall support the Proactive UICC: Set Up Call facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.13, clause 6.6.12, clause 8.6, clause 8.7, clause 8.12, clause 8.12.3 and clause 5.2.

The ME shall support the UCS2 facility for the coding of the Chinese characters, as defined in:

- ISO/IEC 10646 [17].

27.22.4.13.6.3 Test purpose

To verify that the ME accepts the Proactive Command - Set Up Call, displays the alpha identifier with UCS2 coding to the user, attempts to set up a call to the address and returns the result in the TERMINAL RESPONSE.

27.22.4.13.6.4 Method of test

27.22.4.13.6.4.1 Initial conditions

The ME is connected to both the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

Prior to this test the ME shall have been powered on, performed the PROFILE DOWNLOAD procedure and be in updated idle mode on the USS.

27.22.4.13.6.4.2 Procedure

Expected Sequence 6.1 (SET UP CALL with UCS2 – Chinese characters, call confirmed by the user and connected)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|----------------------------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SET | |
| | | UP CALL 6.1.1 | |
| 2 | $ME \to UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP CALL | |
| | | 6.1.1 | |
| 4 | $ME \rightarrow USER$ | ME displays "不忙" during user confirmation | ['不忙' : 'Not Busy' in Chinese] |
| | | phase. | |
| 5 | $USER \to ME$ | 1. | [user confirmation] |
| 6 | | The ME attempts to set up a call to | |
| | | "+012340123456" | |
| 7 | $USS \to ME$ | The ME receives the CONNECT message | |
| | | from the USS. | |
| 8 | $ME \to UICC$ | TERMINAL RESPONSE 6.1.1 | [Command performed successfully] |
| | | The ME shall not update EF LND with the | |
| | | called party address. | |
| 9 | $USER \to ME$ | The user ends the call after 5 s. | |
| | | The ME returns to idle mode. | |

PROACTIVE COMMAND: SET UP CALL 6.1.1

Logically:

Command details

Command number: 1

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: "不忙"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456"

Coding:

| BER-TLV: | D0 | 19 | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 05 | 80 | 4E | 0D | 5F | D9 | 86 | 07 | 91 | 10 | 32 | 04 |
| | 21 | 43 | 65 | | | | | | | | | |

TERMINAL RESPONSE: SET UP CALL 6.1.1

Logically:

Command details

Command number: 1

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

| BER-TLV: | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

Expected Sequence 6.2 (SET UP CALL, two alpha identifiers coded in UCS2 - Chinese characters)

| Step | Direction | MESSAGE / Action | Comments |
|--------|-----------------------|---|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SET UP CALL 6.2.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP CALL 6.2.1 | |
| 4 | $ME \rightarrow USER$ | ME displays "确定" during the user | ['确定' : 'Confirmation' in Chinese] |
| 5 6 | USER → ME ME → USS | confirmation phase The user confirms the set up call The ME attempts to set up a call to "+012340123456". | [user confirmation] [second alpha identifier] ['打电话' : 'CALL' in Chinese] |
| | | The ME displays "打电话" | [33 0 34 0 5 14 |
| 7 | $USS \to ME$ | The ME receives the CONNECT message from the USS. | |
| 8 | $ME \rightarrow UICC$ | TERMINAL RESPONSE 6.2.1 The ME shall not update EF LND with | [Command performed successfully] |
| 9 | USER → ME | the called party address. The user ends the call after 5 s. The ME returns in idle mode. | |

PROACTIVE COMMAND: SET UP CALL 6.2.1

Logically:

Command details

Command number:

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: UICC Destination device: Network Alpha identifier: "确定"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456"

Alpha Identifier (call set up phase): "打电话"

Coding:

| BER-TLV: | D0 | 22 | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 05 | 80 | 78 | 6E | 5B | 9A | 86 | 07 | 91 | 10 | 32 | 04 |
| | 21 | 43 | 65 | 85 | 07 | 80 | 62 | 53 | 75 | 35 | 8B | DD |

TERMINAL RESPONSE: SET UP CALL 6.2.1

Logically:

Command details

Command number: 1

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| DER-ILV. | BER-TLV: | 1 113 | 01 | 10 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----------|-------|----|----|----|----|----|----|----|----|----|----|

27.22.4.13.6.5 Test requirement

The ME shall operate in the manner defined in expected sequences 6.1 to 6.2.

27.22.4.13.7 SET UP CALL (UCS2 Display in Katakana)

27.22.4.13.7.1 Definition and applicability

See clause 3.2.2.

27.22.4.13.7.2 Conformance requirement

The ME shall support the Proactive UICC: Set Up Call facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.13, clause 6.6.12, clause 8.6, clause 8.7, clause 8.12, clause 8.12.3 and clause 5.2.

The ME shall support the UCS2 facility for the coding of the Katakana characters, as defined in:

- ISO/IEC 10646 [17].

27.22.4.13.7.3 Test purpose

To verify that the ME accepts the Proactive Command - Set Up Call, displays the alpha identifier with UCS2 coding to the user, attempts to set up a call to the address and returns the result in the TERMINAL RESPONSE.

27.22.4.13.7.4 Method of test

27.22.4.13.7.4.1 Initial conditions

The ME is connected to both the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

Prior to this test the ME shall have been powered on, performed the PROFILE DOWNLOAD procedure and be in updated idle mode on the USS.

27.22.4.13.7.4.2 Procedure

Expected Sequence 7.1 (SET UP CALL with UCS2 – Katakana characters, call confirmed by the user and connected)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--|----------------------------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SET | |
| | | UP CALL 7.1.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP CALL 7.1.1 | |
| 4 | $ME \to USER$ | ME displays "ル" during user confirmation phase. | [Character in Katakana] |
| 5 | $USER \to ME$ | The user confirms the call set up | [user confirmation] |
| 6 | $ME \to USS$ | The ME attempts to set up a call to "+012340123456" | |
| 7 | $USS \to ME$ | The ME receives the CONNECT message from the USS. | |
| 8 | $ME \to UICC$ | The ME shall not update EF LND with the | [Command performed successfully] |
| 9 | $USER \to ME$ | called party address. The user ends the call after 5 s. The ME returns to idle mode. | |

PROACTIVE COMMAND: SET UP CALL 7.1.1

Logically:

Command details

Command number: 1

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: "/\mathcal{V}"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456"

Coding:

| BER-TLV: | D0 | 17 | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 03 | 80 | 30 | EB | 86 | 07 | 91 | 10 | 32 | 04 | 21 | 43 |
| | 65 | | | | | | | | | | | |

TERMINAL RESPONSE: SET UP CALL 7.1.1

Logically:

Command details

Command number: 1

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

| BER-TLV: | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

Expected Sequence 7.2 (SET UP CALL, two alpha identifiers coded in UCS2 – Katakana characters)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--------------------------------------|----------------------------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: | |
| | | SET UP CALL 7.2.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP | |
| | | CALL 7.2.1 | |
| 4 | $ME \to USER$ | ME displays ">\mu 1" during the user | [Character in Katakana] |
| | | confirmation phase | |
| 5 | $USER \to ME$ | The user confirms the set up call | [user confirmation] |
| 6 | $ME \to USS$ | The ME attempts to set up a call to | [second alpha identifier] |
| | | "+012340123456". | [Character in Katakana] |
| | | The ME displays "ル2". | |
| 7 | $USS \to ME$ | The ME receives the CONNECT | |
| | | message from the USS. | |
| 8 | $ME \rightarrow UICC$ | TERMINAL RESPONSE 7.2.1 | [Command performed successfully] |
| | | The ME shall not update EF LND with | |
| | | the called party address. | |
| 9 | USER \rightarrow ME | The user ends the call after 5 s. | |
| | | The ME returns in idle mode. | |

PROACTIVE COMMAND: SET UP CALL 7.2.1

Logically:

Command details

Command number: 1

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: "/V1"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456"

Alpha Identifier (call set up phase): "/\(\mathcal{D}\)2"

Coding:

| BER-TLV: | D0 | 20 | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 05 | 80 | 30 | EB | 00 | 31 | 86 | 07 | 91 | 10 | 32 | 04 |
| | 21 | 43 | 65 | 85 | 05 | 80 | 30 | EB | 00 | 32 | | |

TERMINAL RESPONSE: SET UP CALL 7.2.1

Logically:

Command details

Command number: 1

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | | | | | | | | | | | | |

27.22.4.13.7.5 Test requirement

The ME shall operate in the manner defined in expected sequences 7.1 to 7.2.

27.22.4.14 POLLING OFF

27.22.4.14.1 Definition and applicability

See clause 3.2.2.

27.22.4.14.2 Conformance requirement

The ME shall support the POLLING OFF as defined in:

- TS 31.111 [15] clause 5.2, clause 6.4.14, clause 6.6.14, clause 6.8, clause 6.11, clause 8.6 and clause 8.7.

27.22.4.14.3 Test purpose

To verify that the ME cancels the effect of any previous POLL INTERVAL commands and does not effect UICC presence detection.

27.22.4.14.4 Method of test

27.22.4.14.4.1 Initial conditions

For sequence 1.1:

- The elementary files are coded as Toolkit default.
- The ME is connected to the USIM Simulator and to the USS.

For sequence 1.2:

- The default E-UTRAN/EPC UICC, the default E-UTRAN parameters are used.
- The ME is connected to the USIM Simulator and to the E-USS.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

27.22.4.14.4.2 Procedure

Expected Sequence 1.1 (POLLING OFF)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: POLL INTERVAL | |
| | | 1.1.1 | |
| 2 | $ME \to UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: POLL INTERVAL 1.1.1 | Interval = 1 min |
| 4 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: POLL INTERVAL 1.1.1 A or TERMINAL RESPONSE: POLL INTERVAL 1.1.1B | [command performed successfully, duration depends on the ME"s capabilities] |
| 5 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: POLLING OFF 1.1.2 | |
| 6 | $ME \rightarrow UICC$ | FETCH | |
| 7 | $UICC \to ME$ | PROACTIVE COMMAND: POLLING OFF 1.1.2 | |
| 8 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: POLLING OFF 1.1.2 | [command performed successfully] |
| 9 | $USER \to ME$ | Call to be set up | |
| 10 | $ME \rightarrow UICC$ | Periods of inactivity on the UICC-ME interfaceshall not exceed 30 seconds | |
| 11 | $USER \to ME$ | Call to be terminated 3 minutes after call setup | |

PROACTIVE COMMAND: POLL INTERVAL 1.1.1

Logically:

Command details

Command number: 1

Command type: POLL INTERVAL

Command qualifier: "00"

Device identities

Source device: UICC Destination device: ME

Duration

Time unit: Minutes
Time interval: 1

Coding:

| BER-TLV: | D0 | 0D | 81 | 03 | 01 | 03 | 00 | 82 | 02 | 81 | 82 | 84 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| · | 02 | 00 | 01 | | | | | | | | | |

TERMINAL RESPONSE: POLL INTERVAL 1.1.1A

Logically:

Command details

Command number:

Command type: POLL INTERVAL

Command qualifier: "00"

Device identities

Source device: ME Destination device: UICC

Result

General Result: Command performed successfully

Duration

Time unit: Minutes
Time interval: 1

Coding:

| BER-TLV: | 81 | 03 | 01 | 03 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 84 | 02 | 00 | 01 | | | | | | | | |

TERMINAL RESPONSE: POLL INTERVAL 1.1.1B

Logically:

Command details

Command number: 1

Command type: POLL INTERVAL

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Duration

Time unit: Seconds
Time interval: 60

Coding:

| BER-TLV: | 81 | 03 | 01 | 03 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 84 | 02 | 01 | 3C | | | | | | | | |

Note: If the requested poll interval is not supported by the ME, the ME is allowed to use a different one as

stated in TS 31.111 [15], subclause 6.4.6.

PROACTIVE COMMAND: POLLING OFF 1.1.2

Logically:

Command details

Command number: 1

Command type: POLLING OFF

Command qualifier: "00"

Device identities

Source device: UICC Destination device: ME

Coding:

| BER-TLV: D0 09 81 03 01 04 00 82 02 | 81 | 82 |
|-------------------------------------|----|----|
|-------------------------------------|----|----|

TERMINAL RESPONSE: POLLING OFF 1.1.2

Logically:

Command details

Command number: 1

Command type: POLLING OFF

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 04 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|-----------|----|----|----|----|----|----|----|----|----|----|----|----|
| DEIX IEV. | 01 | 03 | 01 | 0- | 00 | 02 | 02 | 02 | 01 | 03 | 01 | 00 |

Expected Sequence 1.2 (POLLING OFF, E-UTRAN)

| Step | Direction | MESSAGE / Action | Comments |
|------|-------------------------------|-------------------------------|---|
| 1 | $ME \rightarrow E\text{-USS}$ | The UE successfully performs | |
| | | EPS bearer context activation | |
| 2 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: POLL INTERVAL | |
| | | 1.1.1 | |
| 3 | $ME \rightarrow UICC$ | FETCH | |
| 4 | $UICC \to ME$ | | Interval = 1 min |
| | | POLL INTERVAL 1.1.1 | |
| 5 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: POLL | [command performed successfully, duration |
| | | INTERVAL 1.1.1 A or | depends on the ME"s capabilities] |
| | | TERMINAL RESPONSE: POLL | |
| | | INTERVAL 1.1.1B | |
| 6 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: POLLING OFF | |
| | | 1.1.2 | |
| 7 | $ME \rightarrow UICC$ | FETCH | |
| 8 | $UICC \to ME$ | PROACTIVE COMMAND: | |
| | | POLLING OFF 1.1.2 | |
| 9 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: | [command performed successfully] |
| | | POLLING OFF 1.1.2 | |
| 10 | $ME \rightarrow UICC$ | Periods of inactivity on the | |
| | | UICC-ME interface shall not | |
| | | exceed 30 seconds | |

27.22.4.14.5 Test requirement

The ME shall operate in the manner defined in expected sequences 1.1 - 1.2.

27.22.4.15 PROVIDE LOCAL INFORMATION

27.22.4.15.1 Definition and applicability

See clause 3.2.2.

27.22.4.15.2 Conformance requirement

The ME shall support the PROVIDE LOCAL INFORMATION facility as defined in:

- TS 31.111 [15] clause 6.4.15.

27.22.4.15.3 Test purpose

To verify that the ME returns the following requested local information within a TERMINAL RESPONSE:

- location information:
 - Mobile Country Code (MCC);
 - Mobile Network Code (MNC);
 - Location Area Code (LAC); and

- cell ID of the current serving cell;
- the IMEI of the ME;
- the Network Measurement Results and the BCCH channel list;
- the current date, time and time zone;
- the current ME language setting;
- the Timing Advance;
- the Access Technology;
- the IMEISV
- the Search Mode change
- the Battery charge State
- the UTRAN intra- and inter-frequency measurements,
- the E-UTRAN intra- and inter-frequency measurements.
- The CSG ID list and corresponding HNB names of surrounding CSG cells (if class "q" is supported).

if the local information is stored in the ME; otherwise, sends the correct error code to the UICC in the TERMINAL RESPONSE.

To verify that the ME returns required error information in the TERMINAL RESPONSE in case requested information cannot be provided due to missing network coverage.

27.22.4.15.4 Method of tests

27.22.4.15.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The ME is connected to the USS and has performed the location update procedure.

The E- UTRAN parameters of the system simulator are:

- Mobile Country Code (MCC) = 001;
- Mobile Network Code (MNC) = 01;
- Tracking Area Code (TAC) = 0001;
- E-UTRAN Cell Identity value = 0001 (28 bits);

The UTRAN parameters of the system simulator are:

- Mobile Country Code (MCC) = 001;
- Mobile Network Code (MNC) = 01;
- Location Area Code (LAC) = 0001;
- Cell Identity value = 0001;

The GERAN parameters of the system simulator are:

- Mobile Country Code (MCC) = 001;
- Mobile Network Code (MNC) = 01;
- Location Area Code (LAC) = 0001;

- Cell Identity value = 0001;
- Timing advance = 0;
- Neighbour allocations = 561, 565, 568, 569, 573, 575, 577, 581, 582 and 585.

The PCS 1900 parameters of the system simulator are:

- Mobile Country Code (MCC) = 001;
- Mobile Network Code (MNC) = 011;
- Location Area Code (LAC) = 0001;
- Cell Identity value = 0001;
- Timing advance = 0;
- Neighbour allocations = 561, 565, 568, 569, 573, 575, 577, 581, 582 and 585.

The elementary files are coded as the USIM Application Toolkit default with the exception that for sequences 1.14 to 1.18, the default E-UTRAN/EPC UICC is used.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

Expected sequence 1.3 and 1.6 shall be used on a USS setting up only a GERAN or PCS 1900 cell and expected sequences 1.7 and 1.12 shall be used on a USS setting up only a UTRAN cell.

Expected sequence 1.12 requires 2 UTRA cells on the same frequency and 1.13 requires 2 UTRA cells on different frequencies.

Expected sequences 1.14 and 1.17 shall be used on a E-USS setting up only a E-UTRAN cell.

Expected sequence 1.15 requires 2 E-UTRA cells on the same frequency and 1.16 requires 2 E-UTRA cells on different frequencies.

To verify that the E-UTRAN cell identifier is correctly transmitted when requesting the location information while accessing an E-UTRAN.

Expected sequence 1.18 requires 2 E-UTRAN cells configured in CSG mode.

For sequence 1.18 the default E-UTRAN/EPC UICC is used and the E-USS transmits on 2 cells with the following parameters:

Network parameters for cell 1:

- TAI (MCC/MNC/TAC): 001/01/0001.

Access control: unrestricted.

- csg-Indication: TRUE

- csg-Identity: 01 (27 bits)

- Home (e)NB Name Home ONE

Network parameters for cell 2:

- TAI (MCC/MNC/TAC): 001/01/0002.

- Access control: unrestricted.

- csg-Indication: TRUE

- csg-Identity: 02 (27 bits)

- Home (e)NB Name Home TWO

27.22.4.15.4.2 Procedure

Expected Sequence 1.1 (PROVIDE LOCAL INFORMATION, Local Info (MCC, MNC, LAC & Cell ID))

| Step | Direction | MESSAGE / Action | Comments |
|------|---------------|--|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING PROVIDE LOCAL | |
| | | INFORMATION 1.1.1 | |
| 2 | 111L / 0.00 | FETCH | |
| 3 | UICC → ME | PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION 1.1.1 | |
| 4 | ME → UICC | PROVIDE LOCAL INFORMATION 1.1.1A or | [Command performed successfully, MCC MNC LAC and Cell Identity as USS, option A shall apply for 3GPP parameters] [Command performed successfully, MCC MNC LAC and Cell Identity as USS, option B shall apply for PCS1900 parameters] |

PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION 1.1.1

Logically:

Command details

Command number:

Command type: PROVIDE LOCAL INFORMATION

Qualifier: "00" Location information (MCC MNC LAC and Cell Identity)

Device identities

Source device: UICC Destination device: ME

Coding:

| BER-TLV: D0 09 | 81 | 03 | 01 | 26 | 00 | 82 | 02 | 81 | 82 | l |
|----------------|----|----|----|----|----|----|----|----|----|---|
|----------------|----|----|----|----|----|----|----|----|----|---|

TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION 1.1.1A

Logically:

Command details

Command number: 1

Command type: PROVIDE LOCAL INFORMATION

Qualifier: "00" Location information (MCC MNC LAC and Cell Identity)

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Location Information

MCC & MNC: MCC = 001, MNC = 01

Location Area Code: 0001 Cell Identity Value: 0001

Extended Cell Identity Value: RNC-id value (for Rel-4 onwards), see also Note 2

| BER-TLV: | 81 | 03 | 01 | 26 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|--------|----|----|----|----|----|----|----|--------|----|----|
| | 93 | Note 1 | 00 | F1 | 10 | 00 | 01 | 00 | 01 | Note 2 | | |

Note 1: Depending on the presence of the Extended Cell Identity Value the length is '07' or '09'

Note 2: The Extended Cell Identity Value is present in Rel-4 and onwards implementations, the values of the two bytes shall not be verified

TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION 1.1.1B

Logically:

Command details

Command number:

Command type: PROVIDE LOCAL INFORMATION

Qualifier: "00" Location information (MCC MNC LAC and Cell Identity)

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Location Information

MCC & MNC: MCC = 001, MNC = 011

Location Area Code: 0001 Cell Identity Value: 0001

Coding:

| BER-TLV: | 81 | 03 | 01 | 26 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 93 | 07 | 00 | 11 | 10 | 00 | 01 | 00 | 01 | | | |

Expected Sequence 1.2 (PROVIDE LOCAL INFORMATION, IMEI of the ME)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|---|
| 1 | $USS \to ME$ | Identity request | [Identity type = IMEI] |
| 2 | $ME \to USS$ | Identity response | [Mobile identity = IMEI] |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND PENDING PROVIDE LOCAL INFORMATION 1.2.1 | |
| 4 | $ME \rightarrow UICC$ | FETCH | |
| 5 | $UICC \to ME$ | PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION 1.2.1 | |
| 6 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION 1.2.1 | [Command performed successfully, IMEI as USS, but spare digit shall be zero when transmitted by the ME] |

PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION 1.2.1

Logically:

Command details

Command number:

Command type: PROVIDE LOCAL INFORMATION

Qualifier: "01" IMEI of the ME

Device identities

Source device: UICC
Destination device: ME

Coding:

| BER-TLV: | D0 | 09 | 81 | 03 | 01 | 26 | 01 | 82 | 02 | 81 | 82 |
|----------|----|----|----|----|----|----|----|----|----|----|----|

TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION 1.2.1

Logically:

Command details

Command number:

Command type: PROVIDE LOCAL INFORMATION

Qualifier: "01" IMEI of the ME

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

IMEI

IMEI of the ME: The IMEI of the ME

The result coding depends on the Mobile IMEI value as declared in table A.2/23.

Coding:

| BER-TLV: | 81 | 03 | 01 | 26 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| _ | 94 | 08 | XX | XX | XX | XX | XX | XX | XX | XX | | |

Expected Sequence 1.3 (PROVIDE LOCAL INFORMATION, Network Measurement Results (NMR))

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---------------------------|----------------------------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING PROVIDE LOCAL | |
| | | INFORMATION 1.3.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: | |
| | | PROVIDE LOCAL INFORMATION | |
| | | 1.3.1 | |
| 4 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: | [Command performed successfully, |
| | | PROVIDE LOCAL INFORMATION | NMR as USS] |
| | | 1.3.1 | |

PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION 1.3.1

Logically:

Command details

Command number: 1

Command type: PROVIDE LOCAL INFORMATION
Qualifier: "02" Network Measurement Results

Device identities

Source device: UICC Destination device: ME

Coding:

| BER-TLV: | D0 | 09 | 81 | 03 | 01 | 26 | 02 | 82 | 02 | 81 | 82 |
|----------|----|----|----|----|----|----|----|----|----|----|----|

TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION 1.3.1

The actual values of the measurements are not tested.

Logically:

Command details

Command number: 1

Command type: PROVIDE LOCAL INFORMATION
Qualifier: "02" Network Measurement Results

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Network Measurement Results RXLEV-FULL-SERVING-CELL=52, BA not used, DTX not used, as

an example in the BER-TLV)

BCCH channel list 561, 565, 568, 569, 573, 575, 577, 581, 582 and 585

Coding:

| BER-TLV: | 81 | 03 | 01 | 26 | 02 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 96 | 10 | 34 | 34 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 |
| | 00 | 00 | 00 | 00 | 00 | 00 | 9D | 0D | 8C | 63 | 58 | E2 |
| | 39 | 8F | 63 | F9 | 06 | 45 | 91 | A4 | 90 | | | |

Expected Sequence 1.4 (PROVIDE LOCAL INFORMATION, Date, Time, Time Zone)

See ETSI TS 102 384 [26] in subclause 27.22.4.15.4.2, Expected Sequence 1.4.

Expected Sequence 1.5 (PROVIDE LOCAL INFORMATION, Language setting)

See ETSI TS 102 384 [26] in subclause 27.22.4.15.4.2, Expected Sequence 1.5.

Expected Sequence 1.6 (PROVIDE LOCAL INFORMATION, Timing advance)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---------------------------------|----------------------------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING | |
| | | PROVIDE LOCAL INFORMATION 1.6.1 | |
| 2 | $ME \to UICC$ | FETCH | |
| 3 | | PROACTIVE COMMAND: PROVIDE | |
| | | LOCAL INFORMATION 1.6.1 | |
| 4 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: PROVIDE | [Command performed successfully] |
| | | LOCAL INFORMATION 1.6.1 | |

PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION 1.6.1

Logically:

Command details

Command number: 1

Command type: PROVIDE LOCAL INFORMATION

Qualifier: "05" Timing Advance

Device identities

Source device: UICC Destination device: ME

Coding:

| BER-TLV: | D0 | 09 | 81 | 03 | 01 | 26 | 05 | 82 | 02 | 81 | 82 |
|----------|----|----|----|----|----|----|----|----|----|----|----|

TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION 1.6.1

Logically:

Command details

Command number: 1

Command type: PROVIDE LOCAL INFORMATION

Qualifier: "05" Timing Advance

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Timing Advance 2 bytes

ME status: "00" ME is in idle state

Timing Advance: 0

Coding:

| BER-TLV: | 81 | 03 | 01 | 26 | 05 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | ΑE | 02 | 00 | 00 | | | | | | | | |

Expected Sequence 1.7 (PROVIDE LOCAL INFORMATION, Access Technology

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|----------------------------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING PROVIDE LOCAL INFORMATION 1.7.1 | |
| 2 | $ME \to UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION 1.7.1 | |
| 4 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION 1.7.1 | [Command performed successfully] |

PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION 1.7.1

Logically:

Command details

Command number: 1

Command type: PROVIDE LOCAL INFORMATION

Qualifier: "06" Access Technology

Device identities

Source device: UICC Destination device: ME

Coding:

| BER-TLV: | D0 | 09 | 81 | 03 | 01 | 26 | 06 | 82 | 02 | 81 | 82 |
|----------|----|----|----|----|----|----|----|----|----|----|----|

TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION 1.7.1

Logically:

Command details

Command number: 1

Command type: PROVIDE LOCAL INFORMATION

Qualifier: "06" Access Technology

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Access Technology

Technology: UTRAN

| BER-TLV: | 81 | 03 | 01 | 26 | 06 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 3F | 01 | 03 | | | | | | | | | |

Expected Sequence 1.8 (Void)

Expected Sequence 1.9 (PROVIDE LOCAL INFORMATION, IMEISV of the terminal)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|---|
| 1 | $USS \to ME$ | Identity request | [Identity type = IMEISV] |
| 2 | $ME \rightarrow USS$ | Identity response | [Mobile identity = IMEISV] |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND PENDING PROVIDE LOCAL INFORMATION 1.9.1 | |
| 4 | $ME \rightarrow UICC$ | FETCH | |
| 5 | $UICC \to ME$ | PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION 1.9.1 | |
| 6 | ME → UICC | TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION 1.9.1 | [Command performed successfully, IMEISV] as USS |

PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION 1.9.1

Logically:

Command details

Command number:

Command type: PROVIDE LOCAL INFORMATION

Qualifier: "08" IMEISV of the ME

Device identities

Source device: UICC Destination device: ME

Coding:

| BER-TLV | : D0 | 09 | 81 | 03 | 01 | 26 | 08 | 82 | 02 | 81 | 82 |
|---------|------|----|----|----|----|----|----|----|----|----|----|
|---------|------|----|----|----|----|----|----|----|----|----|----|

TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION 1.9.1

Logically:

Command details

Command number: 1

Command type: PROVIDE LOCAL INFORMATION

Qualifier: "08" IMEISV of the ME

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

IMEISV

IMEISV of the ME: The IMEISV of the ME

The result coding depends on the ME IMEISV value as declared in table A.2/24.

| BER-TLV: | 81 | 03 | 01 | 26 | 80 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | F2 | 09 | XX | XX | XX | XX | XX | XX | XX | XX | XX | |

Expected Sequence 1.10 (PROVIDE LOCAL INFORMATION, Network Search Mode)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--|----------------------------------|
| 1 | User | The user sets the ME to manual network | |
| | | selection mode | |
| 2 | $UICC \to ME$ | PROACTIVE COMMAND PENDING | |
| | | PROVIDE LOCAL INFORMATION 1.10.1 | |
| 3 | $ME \rightarrow UICC$ | FETCH | |
| 4 | $UICC \to ME$ | PROACTIVE COMMAND: PROVIDE LOCAL | |
| | | INFORMATION 1.10.1 | |
| 5 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: PROVIDE LOCAL | [Command performed successfully] |
| | | INFORMATION 1.10.1 | |
| 6 | User | The user selects automatic network selection | |
| | | mode | |
| 7 | $UICC \to ME$ | PROACTIVE COMMAND PENDING | |
| | | PROVIDE LOCAL INFORMATION 1.10.2 | |
| 8 | $ME \rightarrow UICC$ | FETCH | |
| 9 | $UICC \to ME$ | PROACTIVE COMMAND: PROVIDE LOCAL | |
| | | INFORMATION 1.10.2 | |
| 10 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: PROVIDE LOCAL | [Command performed successfully] |
| | | INFORMATION 1.10.2 | |

PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION 1.10.1

Logically:

Command details

Command number:

Command type: PROVIDE LOCAL INFORMATION

Qualifier: "09" Search Mode

Device identities

Source device: UICC Destination device: ME

Coding:

| BER-TLV: | D0 | 09 | 81 | 03 | 01 | 26 | 09 | 82 | 02 | 81 | 82 |
|----------|----|----|----|----|----|----|----|----|----|----|----|

TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION 1.10.1

Logically:

Command details

Command number:

Command type: PROVIDE LOCAL INFORMATION

Qualifier: "09" Search Mode

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Network Search Mode Manual mode

Coding:

| BER-TLV: | 81 | 03 | 01 | 26 | 09 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 65 | 01 | 00 | | | | | | | | | |

PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION 1.10.2

same as PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION 1.10.1

TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION 1.10.2

Logically:

Command details

Command number: 1

Command type: PROVIDE LOCAL INFORMATION

Oualifier: "09" Search Mode

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Network Search Mode Automatic mode

Coding:

| BER-TLV: | 81 | 03 | 01 | 26 | 09 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 65 | 01 | 01 | | | | | | | | | |

Expected Sequence 1.11 (PROVIDE LOCAL INFORMATION, charge state of the battery)

See ETSI TS 102 384 [26] in subclause 27.22.4.15.4.2, Expected Sequence 1.11.

Expected Sequence 1.12 (PROVIDE LOCAL INFORMATION, Intra-Frequency UTRAN Measurements)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---------------------------|----------------------------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING PROVIDE LOCAL | |
| | | INFORMATION 1.12.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: | |
| | | PROVIDE LOCAL INFORMATION | |
| | | 1.12.1 | |
| 4 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: | [Command performed successfully] |
| | | PROVIDE LOCAL INFORMATION | · |
| | | 1.12.1 | |

PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION 1.12.1

Logically:

Command details

Command number: 1

Command type: PROVIDE LOCAL INFORMATION
Qualifier: "02" Network Measurement Results

Device identities

Source device: UICC
Destination device: ME
UTRAN/E-UTRAN Measurement Qualifier

UTRAN/E-UTRAN Measurement Qualifier: "01" Intra-frequency measurements

| BER-TLV: | D0 | 0C | 81 | 03 | 01 | 26 | 02 | 82 | 02 | 81 | 82 | 69 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 01 | 01 | | | | | | | | | | |

TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION 1.12.1

The actual values of the measurements are not tested.

Logically:

Command details

Command number: 1

Command type: PROVIDE LOCAL INFORMATION
Qualifier: "02" Network Measurement Results

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully
Network Measurement Results MEASUREMENT REPORT message
intraFreqMeasuredResultsList

Coding:

| BER-TLV: | 81 | 03 | 01 | 26 | 02 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|------|----|----|------|----|----|----|----|----|----|----|
| · | 96 | Note | 80 | 00 | Note | | | | | | | |
| | | 1 | | | 2 | | | | | | | |

Note 1: This is the length indicator for the following bytes which represent the Measurement report coded in ASN.1 and therefore the length cannot be foreseen.

Note2: The remaining bytes shall not be verified.

Expected Sequence 1.13 (PROVIDE LOCAL INFORMATION, Inter-frequency UTRAN Measurements)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|----------------------------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING PROVIDE LOCAL | |
| | | INFORMATION 1.13.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION 1.13.1 | |
| 4 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION 1.13.1 | [Command performed successfully] |

PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION 1.13.1

Logically:

Command details

Command number: 1

Command type: PROVIDE LOCAL INFORMATION
Qualifier: "02" Network Measurement Results

Device identities

Source device: UICC
Destination device: ME
UTRAN/E-UTRAN Measurement Qualifier

UTRAN/E-UTRAN Measurement Qualifier: "02" Inter-frequency measurements

Coding:

| BER-TLV: | D0 | 0C | 81 | 03 | 01 | 26 | 02 | 82 | 02 | 81 | 82 | 69 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 01 | 02 | | | | | | | | | | |

TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION 1.13.1

The actual values of the measurements are not tested.

Logically:

Command details

Command number:

Command type: PROVIDE LOCAL INFORMATION
Qualifier: "02" Network Measurement Results

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully
Network Measurement Results MEASUREMENT REPORT message

inter Freq Measured Results List

Coding:

| BER-TLV: | 81 | 03 | 01 | 26 | 02 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|------|----|----|------|----|----|----|----|----|----|----|
| _ | 96 | Note | 80 | 11 | Note | | | | | | | |
| | | 1 | | | 2 | | | | | | | |

Note 1: This is the length indicator for the following bytes which represent the Measurement report coded in ASN.1 and therefore the length cannot be foreseen.

Note2: The remaining bytes shall not be verified.

Expected Sequence 1.14 (PROVIDE LOCAL INFORMATION, Access Technology, E-UTRAN)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---------------------------|----------------------------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING PROVIDE LOCAL | |
| | | INFORMATION 1.14.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: | |
| | | PROVIDE LOCAL INFORMATION | |
| | | 1.14.1 | |
| 4 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: | [Command performed successfully] |
| | | PROVIDE LOCAL INFORMATION | |
| | | 1.14.1 | |

PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION 1.14.1

Logically:

Command details

Command number: 1

Command type: PROVIDE LOCAL INFORMATION

Qualifier: "06" Access Technology

Device identities

Source device: UICC Destination device: ME

Coding:

| BER-TLV: | D0 | 09 | 81 | 03 | 01 | 26 | 06 | 82 | 02 | 81 | 82 |
|----------|----|----|----|----|----|----|----|----|----|----|----|

TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION 1.14.1

Logically:

Command details

Command number: 1

Command type: PROVIDE LOCAL INFORMATION

Qualifier: "06" Access Technology

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

01

26

Access Technology

BER-TLV:

Technology: E-UTRAN

81

03

Coding:

| | | | | 08 | 01 | 3F |
|--|--|--|--|----|----|----|
|--|--|--|--|----|----|----|

82

02

82

81

83

01

00

06

Expected Sequence 1.15 (PROVIDE LOCAL INFORMATION, E-UTRAN Intra-Frequency Measurements)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---------------------------|----------------------------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING PROVIDE LOCAL | |
| | | INFORMATION 1.15.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: | |
| | | PROVIDE LOCAL INFORMATION | |
| | | 1.15.1 | |
| 4 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: | [Command performed successfully] |
| | | PROVIDE LOCAL INFORMATION | |
| | | 1.15.1 | |

PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION 1.15.1

Logically:

Command details

Command number: 1

Command type: PROVIDE LOCAL INFORMATION
Qualifier: "02" Network Measurement Results

Device identities

Source device: UICC
Destination device: ME
UTRAN/E-UTRAN Measurement Qualifier

UTRAN/E-UTRAN Measurement Qualifier: "05" E-UTRAN Intra-frequency measurements

Coding:

| BER-TLV: | D0 | 0C | 81 | 03 | 01 | 26 | 02 | 82 | 02 | 81 | 82 | 69 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 01 | 05 | | | | | | | | | | |

TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION 1.15.1

The actual values of the measurements are not tested.

Logically:

Command details

Command number:

Command type: PROVIDE LOCAL INFORMATION
Qualifier: "02" Network Measurement Results

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully
Network Measurement Results MEASUREMENT REPORT message

meas Result Neigh Cells

Coding:

| BER-TLV: | 81 | 03 | 01 | 26 | 02 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|------|----|------|------|----|----|----|----|----|----|----|
| | 96 | Note | 08 | Note | Note | | | | | | | |
| | | 1 | | 2 | 3 | | | | | | | |

Note 1: This is the length indicator for the following bytes which represent the Measurement report coded in ASN.1 and therefore the length cannot be foreseen.

Note 2: This byte shall be checked bitwise against pattern: 0xx1 xxxx (x - don"t care).

Note 3: The remaining bytes shall not be verified.

The network measurement result indicated by '08' and binary value 0xx1 xxxx is:

Network Measurement results:
measurementReport
criticalExtensions: c1 (0)
c1: measurementReport-r8 (0)
measurementReport-r8
measResults
... {Not Verified}
measResultNeighCells:
... {Not Verified}

Expected Sequence 1.16 (PROVIDE LOCAL INFORMATION, E-UTRAN Inter-Frequency Measurements)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|-------------------------------|----------------------------------|
| 1 | ME | Terminal is in RRC idle state | |
| 2 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING PROVIDE LOCAL | |
| | | INFORMATION 1.16.1 | |
| 3 | $ME \rightarrow UICC$ | FETCH | |
| 4 | $UICC \to ME$ | PROACTIVE COMMAND: | |
| | | PROVIDE LOCAL INFORMATION | |
| | | 1.16.1 | |
| 5 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: | [Command performed successfully, |
| | | PROVIDE LOCAL INFORMATION | limited service] |
| | | 1.16.1 | |

PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION 1.16.1

Logically:

Command details

Command number: 1

Command type: PROVIDE LOCAL INFORMATION
Qualifier: "02" Network Measurement Results

Device identities

Source device: UICC
Destination device: ME
UTRAN/E-UTRAN Measurement Qualifier

UTRAN/E-UTRAN Measurement Qualifier: "06" E-UTRAN Inter-frequency measurements

Coding:

| BER-TLV: | D0 | 0C | 81 | 03 | 01 | 26 | 02 | 82 | 02 | 81 | 82 | 69 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 01 | 06 | | | | | | | | | | |

TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION 1.16.1

The actual values of the measurements are not tested.

Logically:

Command details

Command number:

Command type: PROVIDE LOCAL INFORMATION
Qualifier: "02" Network Measurement Results

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully
Network Measurement Results MEASUREMENT REPORT message

inter Freq Measured Results List

Coding:

| BER-TLV: | 81 | 03 | 01 | 26 | 02 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|------|----|----|------|----|----|----|----|----|----|----|
| | 96 | Note | 80 | 11 | Note | | | | | | | |
| | | 1 | | | 2 | | | | | | | |

Note 1: This is the length indicator for the following bytes which represent the Measurement report coded in ASN.1 and therefore the length cannot be foreseen.

Note2: The remaining bytes shall not be verified.

Expected Sequence 1.17 (PROVIDE LOCAL INFORMATION, E-UTRAN Local Info (MCC, MNC, TAC & E-UTRAN Cell ID))

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--|----------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING PROVIDE LOCAL | |
| | | INFORMATION 1.1.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION | |
| | | 1.1.1 | |
| 4 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: | |
| | | PROVIDE LOCAL INFORMATION | |
| | | 1.17.1 | |

PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION 1.1.1

Sames as PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION 1.1.1 in expected sequence 1.1

TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION 1.17.1

Logically:

Command details

Command number:

Command type: PROVIDE LOCAL INFORMATION

Qualifier: "00" Location information (MCC MNC TAC and E-UTRAN Cell Identity)

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Location Information

MCC & MNC: MCC = 001, MNC = 01

Tracking Area Code: 0001

E-UTRAN Cell Identifier: 0001 (28 bits)

Coding:

| BER-TLV: | 81 | 03 | 01 | 26 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 93 | 09 | 00 | F1 | 10 | 00 | 01 | 00 | 00 | 00 | 1F | |

Expected Sequence 1.18 (PROVIDE LOCAL INFORMATION, Discovery of surrounding CSG cells)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--|----------------------------------|
| 1 | E-USS | Cell 1 is enabled, with csg-indication set to TRUE | |
| | | Cell 2 disabled | |
| 2 | ME | A manual CSG cell selection is performed. | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND PENDING PROVIDE LOCAL INFORMATION 1.18.1 | |
| 4 | $ME \rightarrow UICC$ | FETCH | |
| 5 | $UICC \to ME$ | PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION 1.18.1 | 1 cell in the list |
| 6 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION 1.18.1 | [Command performed successfully] |
| 7 | E-USS | Cell 2 is enabled, with csg-indication set to TRUE | |
| 8 | ME | A manual CSG cell selection is performed. | |
| 9 | $UICC \to ME$ | PROACTIVE COMMAND PENDING PROVIDE LOCAL INFORMATION 1.18.1 | |
| 10 | $ME \rightarrow UICC$ | FETCH | |
| 11 | $UICC \to ME$ | PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION 1.18.2 | 2 cells in the list |
| 12 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION 1.18.1 | [Command performed successfully] |

PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION 1.18.1

Logically:

Command details

Command number: 1

Command type: PROVIDE LOCAL INFORMATION

Qualifier: "11" CSG ID list and corresponding HNB name

Device identities

Source device: UICC Destination device: ME

Coding:

| BER-TLV: | D0 | 09 | 81 | 03 | 01 | 26 | 11 | 82 | 02 | 81 | 82 | |
|----------|----|----|----|----|----|----|----|----|----|----|----|--|

TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION 1.18.1

Logically:

Command details

Command number: 1

Command type: PROVIDE LOCAL INFORMATION

Qualifier: "11" CSG ID list and corresponding HNB name

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

CSG ID list Identif^{ie}r

1st CSG ID 01 (27 bi^{ts}) 1st HNB name Home ONE

Location Information

MCC & MNC: MCC = 001, MNC = 01

Tracking Area Code: 0001

E-UTRAN Cell Identifier: 0001(28 bits)

Coding:

| BER-TLV: | 81 | 03 | 01 | 26 | 11 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 7E | 17 | 00 | 00 | 00 | 3F | 80 | 11 | 80 | 00 | 48 | 00 |
| | 6F | 00 | 6D | 00 | 65 | 00 | 20 | 00 | 4F | 00 | 4E | 00 |
| | 45 | 93 | 09 | 00 | F1 | 10 | 00 | 01 | 00 | 00 | 00 | 1F |

TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION 1.18.2

Logically:

Command details

Command number:

Command type: PROVIDE LOCAL INFORMATION

Qualifier: "11" CSG ID list and corresponding HNB name

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

CSG ID list Identif^{ie}r

1st CSG ID $01 (27 bi^{ts})$

 $\begin{array}{ll} \text{1st HNB name} & \text{Home} \quad ^{\text{ON}}\text{E} \\ \text{2nd CSG ID} & \text{02 (27 bi}^{\text{ts}}) \end{array}$

2nd HNB name Home TWOLocation Information

MCC & MNC: MCC = 001, MNC = 01

Tracking Area Code: 0001

E-UTRAN Cell Identifier: 0001 (28 bits)

| | | | | | | , | | | | | | |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 26 | 11 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
| | 7E | 2E | 00 | 00 | 00 | 3F | 80 | 11 | 80 | 00 | 48 | 00 |
| | 6F | 00 | 6D | 00 | 65 | 00 | 20 | 00 | 4F | 00 | 4E | 00 |
| | 45 | 00 | 00 | 00 | 5F | 80 | 11 | 80 | 00 | 48 | 00 | 6F |
| | 00 | 6D | 00 | 65 | 00 | 20 | 00 | 54 | 00 | 57 | 00 | 4F |
| | 93 | 09 | 00 | F1 | 10 | 00 | 01 | 00 | 00 | 00 | 1F | |

Expected Sequence 1.19 (PROVIDE LOCAL INFORMATION, Location Information for Multiple Access Technologies)

TBD

Expected Sequence 1.20 (PROVIDE LOCAL INFORMATION, NMR for Multiple Access Technologies)

TBD

Expected Sequence 1.21 (PROVIDE LOCAL INFORMATION, current access technologies, Multiple Access Technologies)

TBD

NOTE: The above test sequences (1.19, 1.20, 1.21) on Multiple Access Technologies imply the support of one or more non-3GPP access technologies and therefore can not be tested within 3GPP.

27.22.4.15.5 Test requirement

The ME shall operate in the manner defined in expected sequences 1.1 to 1.18.

27.22.4.16 SET UP EVENT LIST

27.22.4.16.1 SET UP EVENT LIST (normal)

27.22.4.16.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.16.1.2 Conformance requirement

The ME shall support the Proactive UICC: Set Up Event List facility as defined in:

- TS 31.111 [15] clause 6.4.16 and clause 6.6.16.

Additionally the ME shall support the Event Download: Call Connect and the Event Download: Call Disconnected mechanism as defined in:

- TS 31.111 [15] clause 11.2, clause 11.2.1, clause 11.2.2, clause 11.3, clause 11.3.1 and clause 11.3.2.

27.22.4.16.1.3 Test purpose

To verify that the ME accepts a list of events that it shall monitor the current list of events supplied by the UICC, is able to have this current list of events replaced and is able to have the list of events removed.

To verify that when the ME has successfully accepted or removed the list of events, it shall send TERMINAL RESPONSE (OK) to the UICC and when the ME is not able to successfully accept or remove the list of events, it shall send TERMINAL RESPONSE (Command beyond ME's capabilities).

27.22.4.16.1.4 Method of test

27.22.4.16.1.4.1 Initial conditions

The ME is connected to both the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default with the following exceptions.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

27.22.4.16.1.4.2 Procedure

Expected Sequence 1.1 (SET UP EVENT LIST, Set Up Call Connect Event)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|-------------------------------------|------------------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SET UP | |
| | | EVENT LIST 1.1.1 | |
| 2 | $ME \to UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP EVENT | |
| | | LIST 1.1.1 | |
| 4 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SET UP EVENT | |
| | | LIST 1.1.1 | |
| 5 | $UICC \to ME$ | PROACTIVE UICC SESSION ENDED | |
| 6 | $USS \to ME$ | SETUP 1.1.1 | [Incoming call alert] |
| 7 | $USER \to ME$ | User shall accept the incoming call | |
| 8 | $ME \to USS$ | CONNECT 1.1.1 | |
| 9 | $ME \rightarrow UICC$ | ENVELOPE: EVENT DOWNLOAD CALL | [Call Connected Event] |
| | | CONNECTED 1.1.1 | |
| 10 | $UICC \to ME$ | PROACTIVE UICC SESSION ENDED | |

PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1

Logically:

Command details

Command number:

Command type: SET UP EVENT LIST

Command qualifier: '00'

Device identities

Source device: UICC Destination device: ME

Event list

Event 1: Call Connected

Coding:

| BER-TLV: | D0 | 0C | 81 | 03 | 01 | 05 | 00 | 82 | 02 | 81 | 82 | 99 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 01 | 01 | | | | | | | | | | |

TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1

Logically:

Command details

Command number:

Command type: SET UP EVENT LIST

Command qualifier: '00'

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 05 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|-----------|----|----|-----|----|----|----|----|----|----|----|-----|----|
| DLIX-ILV. | 01 | 03 | U I | UJ | 00 | 02 | 02 | 02 | 01 | 00 | O I | 00 |

SET UP 1.1.1

Logically:

Transaction identifier

Ti value: 0 (bit 5-7)

Address

TON: "Unknown"

NPI: "ISDN/ telephone numbering plan"

Dialling number string: "9876"

CONNECT 1.1.1

Logically:

Transaction identifier

Ti value: 0 (bit 5-7)
Ti flag: 1 (bit 8)

ENVELOPE: EVENT DOWNLOAD CALL CONNECTED 1.1.1

Logically

Event list

Event 1: Call Connected

Device identities

Source device: ME
Destination device: UICC

Transaction identifier

Ti value: 0 (bit 5-7) Ti flag: 1 (bit 8)

Coding:

| | | BER-TLV: | D6 | 0A | 99 | 01 | 01 | 82 | 02 | 82 | 81 | 9C | 01 | 80 |
|--|--|----------|----|----|----|----|----|----|----|----|----|----|----|----|
|--|--|----------|----|----|----|----|----|----|----|----|----|----|----|----|

Expected Sequence 1.2 (SET UP EVENT LIST, Replace Event)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|-------------------------------------|---------------------------------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SET UP EVENT LIST | |
| | | 1.2.1 | |
| 2 | $ME \rightarrow UICC$ | | |
| 3 | $UICC \to ME$ | | [Call Connected and Call Disconnected |
| | | EVENT LIST 1.2.1 | Events] |
| 4 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SET UP | |
| | | EVENT LIST 1.2.1 | |
| 5 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SET UP EVENT LIST 1.2.2 | |
| 6 | ME → UICC | FETCH | |
| 7 | 1112 / 0100 | PROACTIVE COMMAND: SET UP | [Call Disconnected Event] |
| ' | OICC → IVIE | EVENT LIST 1.2.2 | [Call Disconnected Event] |
| 8 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SET UP | |
| | | EVENT LIST 1.2.2 | |
| 9 | $UICC \to ME$ | PROACTIVE UICC SESSION | |
| | | ENDED | |
| 10 | $USS \to ME$ | SETUP 1.2.2 | [Incoming call alert] |
| 11 | $USER \to ME$ | User shall accept the incoming call | |
| 12 | $ME \to USS$ | CONNECT 1.2.2 | |
| 13 | $USS \to ME$ | DISCONNECT 1.2.2 | |
| 14 | $ME \rightarrow UICC$ | ENVELOPE: EVENT DOWNLOAD | [Call Disconnect Event] |
| | | CALL DISCONNECT 1.2.2A | |
| | | or | |
| | | ENVELOPE: EVENT DOWNLOAD | |
| | | CALL DISCONNECT 1.2.2B | |
| 15 | $UICC \to ME$ | PROACTIVE UICC SESSION | |
| | | ENDED | |

PROACTIVE COMMAND: SET UP EVENT LIST 1.2.1

Logically:

Command details

Command number: 1

Command type: SET UP EVENT LIST

Command qualifier: '00'

Device identities

Source device: UICC Destination device: ME

Event list

Event 1: Call Connected Event 2: Call Disconnected

Coding:

| BER-TLV: | D0 | 0D | 81 | 03 | 01 | 05 | 00 | 82 | 02 | 81 | 82 | 99 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 02 | 01 | 02 | | | | | | | | | |

TERMINAL RESPONSE: SET UP EVENT LIST 1.2.1

Logically:

Command details

Command number: 1

Command type: SET UP EVENT LIST

Command qualifier: '00'

Device identities

Source device: ME

Destination device: UICC

Result

General Result: Command performed successfully

Coding:

BER-TLV: 81 03 01 05 00 82 02 82 81 83 01 00

PROACTIVE COMMAND: SET UP EVENT LIST 1.2.2

Logically:

Command details

Command number: 1

Command type: SET UP EVENT LIST

Command qualifier: '00'

Device identities

Source device: UICC Destination device: ME

Event list

Event 1: Call Disconnected

Coding:

| BER-TLV: | D0 | 0C | 81 | 03 | 01 | 05 | 00 | 82 | 02 | 81 | 82 | 99 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 01 | 02 | | | | | | | | | | |

TERMINAL RESPONSE: SET UP EVENT LIST 1.2.2

Logically:

Command details

Command number:

Command type: SET UP EVENT LIST

Command qualifier: '00'

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

BER-TLV: 81 03 01 05 00 82 02 82 81 83 01 00

SET UP 1.2.2

Logically:

Transaction identifier

Ti value: 0 (bit 5-7)
Ti flag: 0 (bit 8)

Address

TON: "Unknown"

NPI: "ISDN/ telephone numbering plan"

Dialling number string: "9876"

CONNECT 1.2.2

Logically:

Transaction identifier

Ti value: 0 (bit 5-7) Ti flag: 1 (bit 8)

DISCONNECT 1.2.2

Logically:

Transaction identifier

Ti value: 0 (bit 5-7) Ti flag: 0 (bit 8)

Cause

Value: Normal call clearing

ENVELOPE: EVENT DOWNLOAD CALL DISCONNECTED 1.2.2A

Logically:

Event list

Event 1: Call Disconnected

Device identities

Source device: Network
Destination device: UICC

Transaction identifier

Ti value: 0 (bit 5-7)
Ti flag: 0 (bit 8)

Cause

Value: Normal call clearing

Coding:

| BER-TLV: | D6 | 0E | 99 | 01 | 02 | 82 | 02 | 83 | 81 | 9C | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 9A | 02 | 60 | 90 | | | | | | | | |

ENVELOPE: EVENT DOWNLOAD CALL DISCONNECTED 1.2.2B

Logically:

Event list

Event 1: Call Disconnected

Device identities

Source device: Network
Destination device: UICC

Transaction identifier

Ti value: 0 (bit 5-7) Ti flag: 0 (bit 8)

Cause

Value: Normal call clearing

Coding:

| BER-TLV: | D6 | 0E | 99 | 01 | 02 | 82 | 02 | 83 | 81 | 9C | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| · | 9A | 02 | E0 | 90 | | | | | | | | |

Expected Sequence 1.3 (SET UP EVENT LIST, Remove Event)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|------------------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SET UP EVENT LIST | |
| | | 1.3.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP | [Call Connected Event] |
| | | EVENT LIST 1.3.1 | |
| | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SET UP | |
| _ | | EVENT LIST 1.3.1 | |
| 4 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SET UP EVENT LIST | |
| _ | NAT 11100 | 1.3.2 | |
| 5 | ME → UICC | | |
| 6 | $DICC \to ME$ | PROACTIVE COMMAND: SET UP | [Remove Event] |
| 7 | ME IIIOO | EVENT LIST 1.3.2 TERMINAL RESPONSE: SET UP | |
| , | ME → UICC | EVENT LIST 1.3.2 | |
| 8 | LUCC ME | PROACTIVE UICC SESSION | |
| U | OICC → IVIE | ENDED | |
| 10 | $USS \to MF$ | SETUP 1.3.2 | [Incoming call alert] |
| 11 | USER → ME | | [oog oa a.o] |
| 12 | | CONNECT 1.3.2 | |
| 13 | , | No ENVELOPE: EVENT | |
| | / 0.00 | DOWNLOAD (call connected) sent | |
| 14 | $USS \to ME$ | DISCONNECT 1.3.2 | |

PROACTIVE COMMAND: SET UP EVENT LIST 1.3.1

Logically:

Command details

Command number:

Command type: SET UP EVENT LIST

Command qualifier: '00'

Device identities

Source device: UICC Destination device: ME

Event list

Event 1: Call Connected

Coding:

| BER-TLV: | D0 | 0C | 81 | 03 | 01 | 05 | 00 | 82 | 02 | 81 | 82 | 99 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 01 | 01 | | | | | | | | | | |

TERMINAL RESPONSE: SET UP EVENT LIST 1.3.1

Logically:

Command details

Command number:

Command type: SET UP EVENT LIST

Command qualifier: '00'

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 05 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

PROACTIVE COMMAND: SET UP EVENT LIST 1.3.2

Logically:

Command details

Command number: 1

Command type: SET UP EVENT LIST

Command qualifier: '00

Device identities

Source device: UICC
Destination device: ME
Event list: Empty

Coding:

| BER-TLV: | D0 | 0B | 81 | 03 | 01 | 05 | 00 | 82 | 02 | 81 | 82 | 99 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | | | | | | | | | | | |

TERMINAL RESPONSE: SET UP EVENT LIST 1.3.2

Logically:

Command details

Command number: 1

Command type: SET UP EVENT LIST

Command qualifier: '00'

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| - | | | | | | | | | | | | | |
|---|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| ĺ | BER-TLV: | 81 | 03 | 01 | 05 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |

SET UP 1.3.2

Logically:

Transaction identifier

Ti value: 0 (bit 5-7) Ti flag: 0 (bit 8)

Address

TON: "Unknown"

NPI: "ISDN/ telephone numbering plan"

Dialling number string: "9876"

CONNECT 1.3.2

Logically:

Transaction identifier

Ti value: 0 (bit 5-7)
Ti flag: 1 (bit 8)

DISCONNECT 1.3.2

Logically:

Transaction identifier

Ti value: 0 (bit 5-7) Ti flag: 0 (bit 8)

Cause

Value: Normal call clearing

Expected Sequence 1.4 (SET UP EVENT LIST, Remove Event on ME Power Cycle)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|-------------------------------------|------------------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SET UP EVENT LIST | |
| | | 1.4.1 | |
| 2 | $ME \to UICC$ | | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP | [Call Connected Event] |
| | | EVENT LIST 1.4.1 | |
| | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SET UP | |
| | | EVENT LIST 1.4.1 | |
| 4 | $UICC \to ME$ | PROACTIVE UICC SESSION | |
| _ | | ENDED | |
| 5 | | Power off ME | |
| 6 | | Power on ME | |
| 7 | $USS \to ME$ | SETUP 1.4.1 | [Incoming call alert] |
| 8 | $USER \to ME$ | User shall accept the incoming call | |
| 9 | $ME \to USS$ | CONNECT 1.4.1 | |
| 10 | $ME \to UICC$ | No ENVELOPE: EVENT | |
| | | DOWNLOAD (call connected) sent | |
| 11 | $USS \to ME$ | DISCONNECT 1.4.1 | |

PROACTIVE COMMAND: SET UP EVENT LIST 1.4.1

Logically:

Command details

Command number: 1

Command type: SET UP EVENT LIST

Command qualifier: '00'

Device identities

Source device: UICC Destination device: ME

Event list

Event 1: Call Connected

Coding:

| BER-TLV: | D0 | 0C | 81 | 03 | 01 | 05 | 00 | 82 | 02 | 81 | 82 | 99 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 01 | 01 | | | | | | | | | | |

TERMINAL RESPONSE: SET UP EVENT LIST 1.4.1

Logically:

Command details

Command number: 1

Command type: SET UP EVENT LIST

Command qualifier: '00'

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 05 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

SET UP 1.4.1

Logically:

Transaction identifier

Ti value: 0 (bit 5-7) Ti flag: 0 (bit 8)

Address

TON: "Unknown"

NPI: "ISDN/ telephone numbering plan"

Dialling number string: "9876"

CONNECT 1.4.1

Logically:

Transaction identifier

Ti value: 0 (bit 5-7) Ti flag: 1 (bit 8)

DISCONNECT 1.4.1

Logically:

Transaction identifier

Ti value: 0 (bit 5-7) Ti flag: 0 (bit 8)

Cause

Value: Normal call clearing

27.22.4.16.1.5 Test requirement

The ME shall operate in the manner defined in expected sequences 1.1 to 1.4.

27.22.4.17 PERFORM CARD APDU

27.22.4.17.1 PERFORM CARD APDU (normal)

27.22.4.17.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.17.1.2 Conformance requirement

The ME shall support the Proactive UICC: Perform Card APDU facility as defined in:

- TS 31.111 [15] clause 6.1, clause 5.2, clause 6.4.17, clause 6.6.17, clause 6.8, clause 8.6, clause 8.7, clause 8.35, clause 8.36 and clause 8.12.9.

Additionally the ME shall support multiple card operation as defined in:

- TS 31.111 [15] clause 6.4.19, clause 6.6.19, clause 6.4.18 and clause 6.6.18.

27.22.4.17.1.3 Test purpose

To verify that the ME sends an APDU command to the additional card identified in the PERFORM CARD APDU proactive UICC command, and successfully returns the result of the execution of the command in the TERMINAL RESPONSE command send to the UICC.

The ME-Manufacturer can assign the card reader identifier from 0 to 7.

This test applies for MEs with only one additional card reader.

In this particular case the card reader identifier 1 is chosen.

In this particular case a special Test-SIM (TestSIM) with T=0 protocol is chosen as additional card for the additional ME card reader (for coding of the TestSIM see annex A).

27.22.4.17.1.4 Method of test

27.22.4.17.1.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The TestSIM is inserted in the additional ME card reader.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

If the ME supports a detachable card reader, the card reader shall be attached to the ME.

The elementary files of the TestSIM are coded as defined in annex A. Another card with different parameters may be used as TestSIM to execute these tests. In this case the USIM Simulator shall take into account the corresponding response data.

27.22.4.17.1.4.2 Procedure

Expected Sequence 1.1 (PERFORM CARD APDU, card reader 1, additional card inserted, Select MF and Get Response)

See ETSI TS 102 384 [26] in subclause 27.22.4.17.1.4.2, Expected Sequence 1.1.

Expected Sequence 1.2 (PERFORM CARD APDU, card reader 1, additional card inserted, Select DF GSM, Select EF PLMN, Update Binary, Read Binary on EF PLMN)

See ETSI TS 102 384 [26] in subclause 27.22.4.17.1.4.2, Expected Sequence 1.2.

Expected Sequence 1.3 (PERFORM CARD APDU, card reader 1, card inserted, card powered off)

See ETSI TS 102 384 [26] in subclause 27.22.4.17.1.4.2, Expected Sequence 1.3.

Expected Sequence 1.4 (PERFORM CARD APDU, card reader 1, no card inserted)

See ETSI TS 102 384 [26] in subclause 27.22.4.17.1.4.2, Expected Sequence 1.4.

Expected Sequence 1.5 (PERFORM CARD APDU, card reader 7 (which is not the valid card reader identifier of the additional ME card reader))

See ETSI TS 102 384 [26] in subclause 27.22.4.17.1.4.2, Expected Sequence 1.5.

27.22.4.17.1.5 Test requirement

The ME shall operate in the manner defined in expected sequences 1.1 to 1.5.

27.22.4.17.2 PERFORM CARD APDU (detachable card reader)

27.22.4.17.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.17.2.2 Conformance requirement

27.22.4.17.2.3 Test purpose

To verify that the ME sends an APDU command to the additional card identified in the PERFORM CARD APDU proactive UICC command, and successfully returns the result of the execution of the command in the TERMINAL RESPONSE command send to the UICC.

27.22.4.17.2.4 Method of test

27.22.4.17.2.4.1 Initial conditions

The ME is connected to the USIM Simulator.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The card reader shall be detached from the ME.

27.22.4.17.2.4.2 Procedure

Expected Sequence 2.1 (PERFORM CARD APDU, card reader 1, card reader detached)

See ETSI TS 102 384 [26] in subclause 27.22.4.17.2.4.2, Expected Sequence 2.1.

27.22.4.17.2.5 Test requirement

The ME shall operate in the manner defined in expected sequence 2.1.

27.22.4.18 POWER OFF CARD

27.22.4.18.1 POWER OFF CARD (normal)

27.22.4.18.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.18.1.2 Conformance requirement

The ME shall support the Proactive UICC: Power Off Card facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.18, clause 6.6.18, clause 8.6, clause 8.7, clause 8.12, clause 8.12.9, clause 5.2 and annex H.

27.22.4.18.1.3 Test purpose

To verify that the ME closes a session with the additional card identified in the POWER OFF CARD proactive UICC command, and successfully returns result in the TERMINAL RESPONSE command send to the UICC.

The ME-Manufacturer can assign the card reader identifier from 0 to 7.

This test applies for MEs with only one additional card reader.

In this particular case the card reader identifier 1 is chosen.

27.22.4.18.1.4 Method of test

27.22.4.18.1.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The ME card reader is connected to aSIM Simulator (SIM2). Instead of a SIM Simulator a card with different parameters may be used as SIM2 to execute these tests. In this case the USIM Simulator shall take into account the corresponding response data.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

If the ME supports a detachable card reader, the card reader shall be attached to the ME.

Prior to this test the ME shall have powered on the SIM Simulator (SIM2).

27.22.4.18.1.4.2 Procedure

Expected Sequence 1.1 (POWER OFF CARD, card reader 1)

See ETSI TS 102 384 [26] in subclause 27.22.4.18.1.4.2, Expected Sequence 1.1.

Expected Sequence 1.2 (POWER OFF CARD, card reader 1, no card inserted)

See ETSI TS 102 384 [26] in subclause 27.22.4.18.1.4.2, Expected Sequence 1.2.

27.22.4.18.1.5 Test requirement

The ME shall operate in the manner defined in expected sequences 1.1 to 1.2.

27.22.4.18.2 POWER OFF CARD (detachable card reader)

27.22.4.18.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.18.2.2 Conformance requirement

Void.

27.22.4.18.2.3 Test purpose

To verify that the ME closes a session with the additional card identified in the POWER OFF CARD proactive UICC command, and successfully returns result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.18.2.4 Method of test

27.22.4.18.2.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The ME card reader is connected to a SIM Simulator (SIM2).

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

Prior to this test the ME shall have powered on the SIM Simulator (SIM2).

The card reader shall be detached from the ME.

27.22.4.18.2.4.2 Procedure

Expected Sequence 2.1 (POWER OFF CARD, card reader 1, no card reader attached)

See ETSI TS 102 384 [26] in subclause 27.22.4.18.2.4.2, Expected Sequence 2.1.

27.22.4.18.2.5 Test requirement

The ME shall operate in the manner defined in expected sequence 2.1.

27.22.4.19 POWER ON CARD

27.22.4.19.1 POWER ON CARD (normal)

27.22.4.19.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.19.1.2 Conformance requirement

The ME shall support the Proactive UICC: Power On Card facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.19, clause 6.6.19, clause 8.6, clause 8.7, clause 8.12, clause 8.12.9, clause 8.34, clause 5.2 and annex H.

27.22.4.19.1.3 Test purpose

To verify that the ME starts a session with the additional card identified in the POWER ON CARD proactive UICC command, and successfully returns the Answer To Reset within the TERMINAL RESPONSE command send to the UICC.

The ME-Manufacturer can assign the card reader identifier from 0 to 7.

This test applies for MEs with only one additional card reader.

In this particular case the card reader identifier 1 is chosen.

27.22.4.19.1.4 Method of test

27.22.4.19.1.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The ME card reader is connected to a SIM Simulator (SIM2). Instead of the SIM Simulator a card with different parameters may be used as SIM2 to execute these tests. In this case the USIM Simulator shall take into account the corresponding response data.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

If the ME supports a detachable card reader, the card reader shall be attached to the ME.

27.22.4.19.1.4.2 Procedure

Expected Sequence 1.1 (POWER ON CARD, card reader 1)

See ETSI TS 102 384 [26] in subclause 27.22.4.19.1.4.2, Expected Sequence 1.1.

Expected Sequence 1.2 (POWER ON CARD, card reader 1, no ATR)

See ETSI TS 102 384 [26] in subclause 27.22.4.19.1.4.2, Expected Sequence 1.2.

Expected Sequence 1.3 (POWER ON CARD, card reader 1, no card inserted)

See ETSI TS 102 384 [26] in subclause 27.22.4.19.1.4.2, Expected Sequence 1.3.

27.22.4.19.1.5 Test requirement

The ME shall operate in the manner defined in expected sequences 1.1 to 1.3.

27.22.4.19.2 POWER ON CARD (detachable card reader)

27.22.4.19.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.19.2.2 Conformance requirement

27.22.4.19.2.3 Test purpose

To verify that the ME starts a session with the additional card identified in the POWER ON CARD proactive UICC command, and successfully returns the Answer To Reset within the TERMINAL RESPONSE command send to the UICC.

27.22.4.19.2.4 Method of test

27.22.4.19.2.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as USIM Application Toolkit default with the following exceptions.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The card reader shall be detached from the ME.

27.22.4.19.2.4.2 Procedure

Expected Sequence 2.1 (POWER ON CARD, card reader 1, no card reader attached)

See ETSI TS 102 384 [26] in subclause 27.22.4.19.2.4.2, Expected Sequence 2.1.

27.22.4.19.2.5 Test requirement

The ME shall operate in the manner defined in expected sequence 2.1.

27.22.4.20 GET READER STATUS

27.22.4.20.1 GET READER STATUS (normal)

27.22.4.20.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.20.1.2 Conformance requirement

The ME shall support the Proactive UICC: Get Card Reader Status facility as defined in:

- TS 31.111 [15] clause 6.1, clause 5.2, clause 6.4.20, clause 6.6.20, clause 6.8, clause 8.6, clause 8.7, clause 8.33, clause 8.57 and annex H.

Additionally the ME shall support multiple card operation as defined in:

- TS 31.111 [15] clause 6.4.19, clause 6.6.19, clause 6.4.18 and clause 6.6.18.

27.22.4.20.1.3 Test purpose

To verify that the ME sends starts a session with the additional card identified in the GET CARD READER STATUS proactive UICC command, and successfully returns information about all interfaces to additional card reader(s) in the TERMINAL RESPONSE command send to the UICC.

The ME-Manufacturer can assign the card reader identifier from 0 to 7.

This test applies for MEs with only one additional card reader.

In this particular case the card reader identifier 1 is chosen.

In this test case the SIM-Simulator (SIM2) shall response with the ATR "3B 00".

27.22.4.20.1.4 Method of test

27.22.4.20.1.4.1 Initial conditions

The ME shall support the Proactive UICC: Get Card Reader Status (Card Reader Status) facility. The ME is connected to the USIM Simulator.

The ME card reader is connected to a SIM Simulator (SIM2). Instead of the SIM Simulator a card with different parameters may be used as SIM2 to execute these tests. In this case the USIM Simulator shall take into account the corresponding response data.

The elementary files are coded as USIM Application Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

If the ME supports a detachable card reader, the card reader shall be attached to the ME.

Prior to this test the ME shall have powered on the SIM Simulator (SIM2).

27.22.4.20.1.4.2 Procedure

Expected Sequence 1.1 (GET CARD READER STATUS, card reader 1, card inserted, card powered)

See ETSI TS 102 384 [26] in subclause 27.22.4.20.1.4.2, Expected Sequence 1.1.

Expected Sequence 1.2 (GET CARD READER STATUS, card reader 1, card inserted, card not powered)

See ETSI TS 102 384 [26] in subclause 27.22.4.20.1.4.2, Expected Sequence 1.2.

Expected Sequence 1.3 (GET CARD READER STATUS, card reader 1, card not present)

See ETSI TS 102 384 [26] in subclause 27.22.4.20.1.4.2, Expected Sequence 1.3.

27.22.4.20.1.5 Test requirement

The ME shall operate in the manner defined in expected sequences 1.1 to 1.3.

27.22.4.20.2 GET CARD READER STATUS (detachable card reader)

27.22.4.20.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.20.2.2 Conformance requirement

Void.

27.22.4.20.2.3 Test purpose

To verify that the ME closes a session with the additional card identified in the GET CARD READER STATUS proactive UICC command, and successfully returns result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.20.2.4 Method of test

27.22.4.20.2.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as USIM Application Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

Prior to this test the ME shall have powered on the SIM Simulator (SIM2).

The card reader shall be detached from the ME.

27.22.4.20.2.4.2 Procedure

Expected Sequence 2.1 (GET CARD READER STATUS, no card reader attached)

See ETSI TS 102 384 [26] in subclause 27.22.4.20.2.4.2, Expected Sequence 2.1.

27.22.4.20.2.5 Test requirement

The ME shall operate in the manner defined in expected sequence 2.1.

27.22.4.21 TIMER MANAGEMENT and ENVELOPE TIMER EXPIRATION

27.22.4.21.1 TIMER MANAGEMENT (normal)

27.22.4.21.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.21.1.2 Conformance Requirement

The ME shall support the TIMER MANAGEMENT as defined in:

- TS 31.111 [15] clause 5.2, clause 6.4.21, clause 6.8, clause 8.6, clause 8.7, clause 8.37 and clause 8.38.

27.22.4.21.1.3 Test purpose

To verify that the ME manages correctly its internal timers, start a timer, deactivate a timer or return the current value of a timer according to the Timer Identifier defined in the TIMER MANAGEMENT proactive UICC command.

27.22.4.21.1.4 Method of Test

27.22.4.21.1.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default with the following exceptions.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The ME screen shall be in its normal stand-by display.

27.22.4.21.1.4.2 Procedure

Expected Sequence 1.1 (TIMER MANAGEMENT, start timer 1 several times, get the current value of the timer and deactivate the timer successfully)

See ETSI TS 102 384 [26] in subclause 27.22.4.21.1.4.2, Expected Sequence 1.1.

Expected Sequence 1.2 (TIMER MANAGEMENT, start timer 2 several times, get the current value of the timer and deactivate the timer successfully)

See ETSI TS 102 384 [26] in subclause 27.22.4.21.1.4.2, Expected Sequence 1.2.

Expected Sequence 1.3 (TIMER MANAGEMENT, start timer 8 several times, get the current value of the timer and deactivate the timer successfully)

See ETSI TS 102 384 [26] in subclause 27.22.4.21.1.4.2, Expected Sequence 1.3.

Expected Sequence1.4 (TIMER MANAGEMENT, try to get the current value of a timer which is not started: action in contradiction with the current timer state)

See ETSI TS 102 384 [26] in subclause 27.22.4.21.1.4.2, Expected Sequence 1.4.

Expected Sequence1.5 (TIMER MANAGEMENT, try to deactivate a timer which is not started: action in contradiction with the current timer state)

See ETSI TS 102 384 [26] in subclause 27.22.4.21.1.4.2, Expected Sequence 1.5.

Expected Sequence 1.6 (TIMER MANAGEMENT, start 8 timers successfully)

See ETSI TS 102 384 [26] in subclause 27.22.4.21.1.4.2, Expected Sequence 1.6.

27.22.4.21.1.5 Test requirement

The ME shall operate in the manner defined in expected sequences 1.1 to 1.6.

27.22.4.21.2 ENVELOPE TIMER EXPIRATION (normal)

27.22.4.21.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.21.2.2 Conformance requirement

The ME shall support the ENVELOPE (TIMER EXPIRATION) command as defined in the following technical specifications:

- TS 31.111 [15] clause 4.10, clause 7.4.1 and clause 7.4.2.

The ME shall support the TIMER MANAGEMENT as defined in the following technical specifications:

- TS 31.111 [15] clause 5.2, clause 6.4.21, clause 6.8, clause 8.6, clause 8.7, clause 8.37 and clause 8.38.

27.22.4.21.2.3 Test purpose

To verify that the ME shall pass the identifier of the timer that has expired and its value using the ENVELOPE (TIMER EXPIRATION) command, when a timer previously started in a TIMER MANAGEMENT proactive command expires.

27.22.4.21.2.4 Method of test

27.22.4.21.2.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as USIM Application Toolkit default with the following exceptions.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The timer 1 is not started.

When the UICC is busy when the envelope TIMER EXPIRATION is sent, either the ME retries periodically to send the envelope or it waits for a status not indicating busy.

27.22.4.21.2.4.2 Procedure

Expected Sequence 2.1 (TIMER EXPIRATION, pending proactive UICC command)

See ETSI TS 102 384 [26] in subclause 27.22.4.21.2.4.2, Expected Sequence 2.1.

Expected Sequence 2.2 (TIMER EXPIRATION, UICC application toolkit busy)

See ETSI TS 102 384 [26] in subclause 27.22.4.21.2.4.2, Expected Sequence 2.2.

27.22.4.21.2.5 Test requirement

The ME shall operate in the manner defined in expected sequences 2.1 to 2.2.

27.22.4.22 SET UP IDLE MODE TEXT

27.22.4.22.1 SET UP IDLE MODE TEXT (normal)

27.22.4.22.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.22.1.2 Conformance requirement

- TS 31.111 [15] clause 4.7, clause 5.2, clause 6.4.22, clause 6.6.22, clause 6.4.16, clause 6.6.16, clause 7.5.6, clause 6.8, clause 7.5, clause 7.5.1, clause 8.25, clause 6.4.7 and clause 6.6.13.

Additionally the ME shall support the REFRESH proactive UICC facility as defined in:

- TS 31.111 [15] clause 5.2, clause 6.1, clause 6.4.7, clause 6.6.13, clause 6.11, clause 8.6, clause 8.7, clause 8.12, clause 9.4 and clause 10.

27.22.4.22.1.3 Test purpose

To verify that the text passed to the ME is displayed as idle mode text.

27.22.4.22.1.4 Method of test

27.22.4.22.1.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

Prior to this test the ME shall have been powered on, performed the PROFILE DOWNLOAD procedure and be in updated idle mode on the USS.

27.22.4.22.1.4.2 Procedure

Expected Sequence 1.1 (SET UP IDLE MODE TEXT, display idle mode text)

See ETSI TS 102 384 [26] in subclause 27.22.4.22.1.4.2, Expected Sequence 1.1.

Expected Sequence 1.2 (SET UP IDLE MODE TEXT, replace idle mode text)

See ETSI TS 102 384 [26] in subclause 27.22.4.22.1.4.2, Expected Sequence 1.2.

Expected Sequence 1.3 (SET UP IDLE MODE TEXT, remove idle mode text)

See ETSI TS 102 384 [26] in subclause 27.22.4.22.1.4.2, Expected Sequence 1.3.

Expected Sequence 1.4 (SET UP IDLE MODE TEXT, competing information on ME display)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--------------------------------------|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SET UP IDLE MODE | |
| | | TEXT 1.1.1 | |
| 2 | | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP | ["Idle Mode Text"] |
| | | IDLE MODE TEXT 1.1.1 | |
| 4 | $ME \rightarrow UICC$ | | [Command performed successfully] |
| _ | | IDLE MODE TEXT 1.1.1 | |
| 5 | USER → ME | Select idle screen | Only if idle screen not already available |
| 6 | ME → USER | Display "Idle Mode Text" | [D: 1 : 1: 4 OMO] |
| 7 | USS → ME | SMS PP 1.4.1 | [Display immediate SMS] |
| 8 | ME → USER | | |
| 9 | $USER \to ME$ | Clear display and select idle screen | |
| 10 | $ME \rightarrow USER$ | Display "Idle Mode Text" | |
| 11 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: DISPLAY TEXT 1.4.1 | |
| 12 | $ME \rightarrow UICC$ | FETCH | |
| 13 | $UICC \to ME$ | PROACTIVE COMMAND: | [Normal priority, wait for user to clear |
| | | DISPLAY TEXT 1.4.1 | message, unpacked, 8 bit data] |
| 14 | $ME \rightarrow USER$ | Display "Toolkit Test 1" | |
| 15 | $USER \to ME$ | Clear Message | |
| 16 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: | [Command performed successfully] |
| 4- | | DISPLAY TEXT 1.4.1 | |
| 17 | ME → USER | Display "Idle Mode Text" | |
| 18 | $UICC \to ME$ | PROACTIVE COMMAND | |
| 40 | ME 11100 | PENDING: PLAY TONE 1.4.1 | |
| 19 | , 0.00 | FETCH | |
| 20 | $UICC \to ME$ | PROACTIVE COMMAND: PLAY TONE 1.4.1 | |
| 21 | ME → USER | Display "Dial Tone" | |
| 21 | IVIE -> USER | Play a standard supervisory dial | |
| | | tone through the external ringer for | |
| | | a duration of 5 s | |
| 22 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: PLAY | [Command performed successfully] |
| | , 0,00 | TONE 1.4.1 | [|
| 23 | $UICC \to ME$ | PROACTIVE UICC SESSION | |
| | _ | ENDED | |
| 24 | $ME \rightarrow USER$ | Display "Idle Mode Text" | |

SMS-PP 1.4.1

Logically:

SMS TPDU

TP-MTI SMS-DELIVER

TP-MMS No more messages waiting for the MS in this SC
TP-RP TP-Reply-Path is not set in this SMS-DELIVER
TP-UDHI TP-UD field contains only the short message
TP-SRI A status report will not be returned to the ME

TP-OA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "1234" TP-PID "00"

TP-DCS

Coding Group General Data Coding Compression Text is uncompressed Message Class Class 0

Alphabet GSM 7 bit default alphabet TP-SCTS: 01/01/98 00:00:00 +0

TP-UDL 12

TP-UD "Test Message"

Coding:

| Coding | 04 | 04 | 91 | 21 | 43 | 00 | 10 | 89 | 10 | 10 | 00 | 00 |
|--------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | 00 | 0C | D4 | F2 | 9C | 0E | 6A | 96 | E7 | F3 | F0 |
| | B9 | 0C | | | | | | | | | | |

PROACTIVE COMMAND: DISPLAY TEXT 1.4.1

Logically:

Command details

Command number: 1

Command type: DISPLAY TEXT

Command qualifier: normal priority, wait for user to clear message

Device identities

Source device: UICC
Destination device: Display

Text String

Data coding scheme: unpacked, 8 bit data
Text: "Toolkit Test 1"

Coding:

| BER-TLV: | D0 | 1A | 81 | 03 | 01 | 21 | 80 | 82 | 02 | 81 | 02 | 8D |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0F | 04 | 54 | 6F | 6F | 6C | 6B | 69 | 74 | 20 | 54 | 65 |
| | 73 | 74 | 20 | 31 | | | | | | | | |

TERMINAL RESPONSE: DISPLAY TEXT 1.4.1

Logically:

Command details

Command number: 1

Command type: DISPLAY TEXT

Command qualifier: normal priority, wait for user to clear message

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

PROACTIVE COMMAND: PLAY TONE 1.4.1

Logically:

Command details

Command number:

Command type: PLAY TONE

Command qualifier: "00"

Device identities

Source device: UICC

Destination device: Earpiece
Alpha identifier: "Dial Tone"

TONe: Standard supervisory tones: dial tone

Duration

Time unit: Seconds
Time interval: 5

Coding:

| BER-TLV: | D0 | 1B | 81 | 03 | 01 | 20 | 00 | 82 | 02 | 81 | 03 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| · | 09 | 44 | 69 | 61 | 6C | 20 | 54 | 6F | 6E | 65 | 8E | 01 |
| | 01 | 84 | 02 | 01 | 05 | | | | | | | |

TERMINAL RESPONSE: PLAY TONE 1.4.1

Logically:

Command details

Command number:

Command type: PLAY TONE

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| | BER-TLV: | 81 | 03 | 01 | 20 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|--|----------|----|----|----|----|----|----|----|----|----|----|----|----|
|--|----------|----|----|----|----|----|----|----|----|----|----|----|----|

Expected Sequence 1.5 (SET UP IDLE MODE TEXT, ME power cycled)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|----------------------------------|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SET UP IDLE MODE | |
| | | TEXT 1.1.1 | |
| 2 | $ME \rightarrow UICC$ | | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP | ["Idle Mode Text"] |
| | | IDLE MODE TEXT 1.1.1 | |
| 4 | $ME \rightarrow UICC$ | | [command performed successfully] |
| _ | | IDLE MODE TEXT 1.1.1 | |
| 5 | | Select idle screen | Only if idle screen not already available |
| 6 | | Display "Idle Mode Text" | |
| 7 | $USER \to ME$ | | |
| 8 | ME ⇔ UICC | 3G Session TERMINATION | |
| | | PROCEDURE | |
| 9 | $USER \to ME$ | | |
| 10 | ME ⇔ UICC | 3G Session ACTIVATION | |
| | | PROCEDURE | |
| 11 | | USIM INITIALIZATION | |
| 12 | | Select idle screen | Only if idle screen not already available |
| 13 | $ME \rightarrow USER$ | Display idle screen / "Idle Mode | |
| | | Text" not to be displayed | |

Expected Sequence 1.6 (SET UP IDLE MODE TEXT, REFRESH with USIM Initialization)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|----------------------------------|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | [Idle Mode Text] |
| | | PENDING: SET UP IDLE MODE | |
| | | TEXT 1.1.1 | |
| 2 | / 0.00 | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP | |
| | | IDLE MODE TEXT 1.1.1 | |
| 4 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SET UP | |
| | | IDLE MODE TEXT 1.1.1 | |
| 5 | | Select idle screen | Only if idle screen not already available |
| 6 | $ME \rightarrow USER$ | Display "Idle Mode Text" | |
| 7 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: REFRESH 1.6.1 | |
| 8 | $ME \rightarrow UICC$ | FETCH | |
| 9 | $UICC \to ME$ | PROACTIVE COMMAND: | [USIM Initialization] |
| | | REFRESH 1.6.1 | |
| 10 | | USIM INITIALIZATION | |
| 11 | $USER \to ME$ | Select idle screen | Only if idle screen not already available |
| 12 | $ME \rightarrow USER$ | Display idle screen / "Idle Mode | |
| | | Text" not to be displayed | |
| 13 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: | [Command performed successfully] |
| | | REFRESH 1.6.1A | [Command performed successfully with |
| | | or | additional files read] |
| | | TERMINAL RESPONSE: | |
| | | REFRESH 1.6.1B | |
| 14 | $UICC \to ME$ | PROACTIVE UICC SESSION | |
| | | ENDED | |

PROACTIVE COMMAND: REFRESH 1.6.1

Logically:

Command details

Command number: 1

Command type: REFRESH

Command qualifier: USIM Initialization

Device identities

Source device: UICC Destination device: ME

Coding:

| BER-TLV: | D0 | 09 | 81 | 03 | 01 | 01 | 03 | 82 | 02 | 81 | 82 |
|----------|----|----|----|----|----|----|----|----|----|----|----|

TERMINAL RESPONSE: REFRESH 1.6.1A

Logically:

Command details

Command number: 1

Command type: REFRESH

Command qualifier: USIM Initialization

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 01 | 03 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----------|----|-----|-----|----|----------------|----|----------------|------|----|------|----|
| D | <u> </u> | | , . | U . | 00 | _ _ | | _ _ | , o. | | , o. | |

TERMINAL RESPONSE: REFRESH 1.6.1B

Logically:

Command details

Command number: 1

Command type: REFRESH

Command qualifier: USIM Initialization

Device identities

Source device: ME
Destination device: UICC

Result

General Result: REFRESH performed with additional EFs read

Coding:

| BER-TLV: | 81 | 03 | 01 | 01 | 03 | 82 | 02 | 82 | 81 | 83 | 01 | 03 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

Expected Sequence 1.7 (SET UP IDLE MODE TEXT, large text string)

See ETSI TS 102 384 [26] in subclause 27.22.4.22.1.4.2, Expected Sequence 1.7.

27.22.4.22.1.5 Test requirement

The ME shall operate in the manner defined in expected sequences 1.1 to 1.7.

27.22.4.22.2 SET UP IDLE MODE TEXT (Icon support)

27.22.4.22.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.22.2.2 Conformance requirement

27.22.4.22.2.3 Test purpose

To verify that the ME text and / or icon passed to the ME is displayed by the ME as an idle mode text.

To verify that the icon identifier provided with the text string can replace the text string or accompany it.

To verify that if both an alpha identifier or text string, and an icon are provided with a proactive command, and both are requested to be displayed, but the ME is not able to display both together on the screen, then the alpha identifier or text string takes precedence over the icon.

To verify that if the UICC provides an icon identifier with a proactive command, then the ME shall inform the UICC if the icon could not be displayed by sending the general result "Command performed successfully, but requested icon could not be displayed".

To verify that if the ME receives an icon identifier with a proactive command, and either an empty, or no alpha identifier / text string is given by the UICC, than the ME shall reject the command with general result "Command data not understood by ME".

27.22.4.22.2.4 Method of test

27.22.4.22.2.4.1 Initial conditions

The ME is connected to both the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

Prior to this test the ME shall have been powered on, performed the PROFILE DOWNLOAD procedure and be in update idle mode on the System Simulator.

27.22.4.22.2.4.2 Procedure

Expected Sequence 2.1A (SET UP IDLE MODE TEXT, Icon is self-explanatory, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.22.2.4.2, Expected Sequence 2.1A.

Expected Sequence 2.1B (SET UP IDLE MODE TEXT, Icon is self-explanatory, requested icon could not be displayed)

See ETSI TS 102 384 [26] in subclause 27.22.4.22.2.4.2, Expected Sequence 2.1B.

Expected Sequence 2.2A (SET UP IDLE MODE TEXT, Icon is not self-explanatory, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.22.2.4.2, Expected Sequence 2.2A.

Expected Sequence 2.2B (SET UP IDLE MODE TEXT, Icon is not self-explanatory, requested icon could not be displayed)

See ETSI TS 102 384 [26] in subclause 27.22.4.22.2.4.2, Expected Sequence 2.2B.

Expected Sequence 2.3A (SET UP IDLE MODE TEXT, Icon is self-explanatory, colour icon, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.22.2.4.2, Expected Sequence 2.3A.

Expected Sequence 2.3B (SET UP IDLE MODE TEXT, Icon is self-explanatory, colour icon, requested icon could not be displayed)

See ETSI TS 102 384 [26] in subclause 27.22.4.22.2.4.2, Expected Sequence 2.3B.

Expected Sequence 2.4 (SET UP IDLE MODE TEXT, Icon is not self-explanatory, empty text string)

See ETSI TS 102 384 [26] in subclause 27.22.4.22.2.4.2, Expected Sequence 2.4.

27.22.4.22.2.5 Test requirement

The ME shall operate in the manner defined in expected sequences 2.1A to 2.4.

27.22.4.22.3 SET UP IDLE MODE TEXT (UCS2 support)

27.22.4.22.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.22.3.2 Conformance requirement

The ME shall support the UCS2 facility for the coding of the Cyrillic alphabet, as defined in:

- ISO/IEC 10646 [17].

27.22.4.22.3.3 Test purpose

To verify that the UCS2 coded text string is displayed by the ME as an idle mode text.

27.22.4.22.3.4 Method of test

27.22.4.22.3.4.1 Initial conditions

The ME is connected to both the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

Prior to this test the ME shall have been powered on, performed the PROFILE DOWNLOAD procedure and be in update idle mode on the System Simulator..

27.22.4.22.3.4.2 Procedure

Expected Sequence 3.1 (SET UP IDLE MODE TEXT, UCS2 alphabet text)

See ETSI TS 102 384 [26] in subclause 27.22.4.22.3.4.2, Expected Sequence 3.1.

27.22.4.22.3.5 Test requirement

The ME shall operate in the manner defined in expected sequence 3.1.

27.22.4.22.4 SET UP IDLE MODE TEXT (support of Text Attribute)

27.22.4.22.4.1 SET UP IDLE MODE TEXT (support of Text Attribute – Left Alignment)

27.22.4.22.4.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.22.4.1.2 Conformance requirement

- TS 31.111 [15] clause 4.7, clause 5.2, clause 6.4.22, clause 6.6.22, clause 6.4.16, clause 6.6.16, clause 7.5.6, clause 6.8, clause 7.5, clause 7.5.1, clause 8.25, clause 8.70, clause 6.4.7 and clause 6.6.13.

27.22.4.22.4.1.3 Test purpose

To verify that the text passed to the ME is displayed as idle mode text according to the left alignment text attribute configuration.

27.22.4.22.4.1.4 Method of test

27.22.4.22.4.1.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

27.22.4.22.4.1.4.2 Procedure

Expected Sequence 4.1 (SET UP IDLE MODE TEXT, display idle mode text, Text Attribute – Left Alignment)

See ETSI TS 102 384 [26] in subclause 27.22.4.22.4.1.4.2, Expected Sequence 4.1.

27.22.4.22.4.1.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.1.

27.22.4.22.4.2 SET UP IDLE MODE TEXT (support of Text Attribute – Center Alignment)

27.22.4.22.4.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.22.4 Conformance requirement

- TS 31.111 [15] clause 4.7, clause 5.2, clause 6.4.22, clause 6.6.22, clause 6.4.16, clause 6.6.16, clause 7.5.6, clause 6.8, clause 7.5, clause 7.5.1, clause 8.25, clause 8.70, clause 6.4.7 and clause 6.6.13.

27.22.4.22.4.2.3 Test purpose

To verify that the text passed to the ME is displayed as idle mode text according to the center alignment text attribute configuration.

27.22.4.22.4 Method of test

27.22.4.22.4.2.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

27.22.4.22.4.2 Procedure

Expected Sequence 4.2 (SET UP IDLE MODE TEXT, display idle mode text, Text Attribute – Center Alignment)

See ETSI TS 102 384 [26] in subclause 27.22.4.22.4.2, Expected Sequence 4.2.

27.22.4.22.4.2.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.2.

27.22.4.22.4.3 SET UP IDLE MODE TEXT (support of Text Attribute – Right Alignment)

27.22.4.22.4.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.22.4.3.2 Conformance requirement

TS 31.111 [15] clause 4.7, clause 5.2, clause 6.4.22, clause 6.6.22, clause 6.4.16, clause 6.6.16, clause 7.5.6, clause 6.8, clause 7.5, clause 7.5.1, clause 8.25, clause 8.70, clause 6.4.7 and clause 6.6.13.

27.22.4.22.4.3.3 Test purpose

To verify that the text passed to the ME is displayed as idle mode text according to the right alignment text attribute configuration.

27.22.4.22.4.3.4 Method of test

27.22.4.22.4.3.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

27.22.4.22.4.3.4.2 Procedure

Expected Sequence 4.3 (SET UP IDLE MODE TEXT, display idle mode text, Text Attribute – Right Alignment)

See ETSI TS 102 384 [26] in subclause 27.22.4.22.4.3.4.2, Expected Sequence 4.3.

27.22.4.22.4.3.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.3.

27.22.4.22.4.4 SET UP IDLE MODE TEXT (support of Text Attribute – Large Font Size)

27.22.4.22.4.4.1 Definition and applicability

See clause 3.2.2.

27.22.4.22.4.4.2 Conformance requirement

- TS 31.111 [15] clause 4.7, clause 5.2, clause 6.4.22, clause 6.6.22, clause 6.4.16, clause 6.6.16, clause 7.5.6, clause 6.8, clause 7.5, clause 7.5.1, clause 8.25, clause 8.70, clause 6.4.7 and clause 6.6.13.

27.22.4.22.4.4.3 Test purpose

To verify that the text passed to the ME is displayed as idle mode text according to the large font size text attribute configuration.

27.22.4.22.4.4.4 Method of test

27.22.4.22.4.4.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

27.22.4.22.4.4.4.2 Procedure

Expected Sequence 4.4 (SET UP IDLE MODE TEXT, display idle mode text, Text Attribute – Large Font Size)

See ETSI TS 102 384 [26] in subclause 27.22.4.22.4.4.2, Expected Sequence 4.4.

27.22.4.22.4.4.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.4.

27.22.4.22.4.5 SET UP IDLE MODE TEXT (support of Text Attribute – Small Font Size)

27.22.4.22.4.5.1 Definition and applicability

See clause 3.2.2.

27.22.4.22.4.5.2 Conformance requirement

- TS 31.111 [15] clause 4.7, clause 5.2, clause 6.4.22, clause 6.6.22, clause 6.4.16, clause 6.6.16, clause 7.5.6, clause 6.8, clause 7.5, clause 7.5.1, clause 8.25, clause 8.70, clause 6.4.7 and clause 6.6.13.

27.22.4.22.4.5.3 Test purpose

To verify that the text passed to the ME is displayed as idle mode text according to the small font size text attribute configuration.

27.22.4.22.4.5.4 Method of test

27.22.4.22.4.5.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

27.22.4.22.4.5.4.2 Procedure

Expected Sequence 4.5 (SET UP IDLE MODE TEXT, display idle mode text, Text Attribute – Small Font Size)

See ETSI TS 102 384 [26] in subclause 27.22.4.22.4.5.4.2, Expected Sequence 4.5.

27.22.4.22.4.5.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.5.

27.22.4.22.4.6 SET UP IDLE MODE TEXT (support of Text Attribute – Bold On)

27.22.4.22.4.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.22.4.6.2 Conformance requirement

- TS 31.111 [15] clause 4.7, clause 5.2, clause 6.4.22, clause 6.6.22, clause 6.4.16, clause 6.6.16, clause 7.5.6, clause 6.8, clause 7.5, clause 7.5.1, clause 8.25, clause 8.70, clause 6.4.7 and clause 6.6.13.

27.22.4.22.4.6.3 Test purpose

To verify that the text passed to the ME is displayed as idle mode text according to the bold text attribute configuration.

27.22.4.22.4.6.4 Method of test

27.22.4.22.4.6.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

27.22.4.22.4.6.4.2 Procedure

Expected Sequence 4.6 (SET UP IDLE MODE TEXT, display idle mode text, Text Attribute – Bold On)

See ETSI TS 102 384 [26] in subclause 27.22.4.22.4.6.4.2, Expected Sequence 4.6.

27.22.4.22.4.6.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.6.

27.22.4.22.4.7 SET UP IDLE MODE TEXT (support of Text Attribute – Italic On)

27.22.4.22.4.7.1 Definition and applicability

See clause 3.2.2.

27.22.4.22.4.7.2 Conformance requirement

- TS 31.111 [15] clause 4.7, clause 5.2, clause 6.4.22, clause 6.6.22, clause 6.4.16, clause 6.6.16, clause 7.5.6, clause 6.8, clause 7.5, clause 7.5.1, clause 8.25, clause 8.70, clause 6.4.7 and clause 6.6.13.

27.22.4.22.4.7.3 Test purpose

To verify that the text passed to the ME is displayed as idle mode text according to the italic text attribute configuration.

27.22.4.22.4.7.4 Method of test

27.22.4.22.4.7.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

27.22.4.22.4.7.4.2 Procedure

Expected Sequence 4.7 (SET UP IDLE MODE TEXT, display idle mode text, Text Attribute – Italic On)

See ETSI TS 102 384 [26] in subclause 27.22.4.22.4.7.4.2, Expected Sequence 4.7.

27.22.4.22.4.7.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.7.

27.22.4.22.4.8 SET UP IDLE MODE TEXT (support of Text Attribute – Underline On)

27.22.4.22.4.8.1 Definition and applicability

See clause 3.2.2.

27.22.4.22.4.8.2 Conformance requirement

- TS 31.111 [15] clause 4.7, clause 5.2, clause 6.4.22, clause 6.6.22, clause 6.4.16, clause 6.6.16, clause 7.5.6, clause 6.8, clause 7.5, clause 7.5.1, clause 8.25, clause 8.70, clause 6.4.7 and clause 6.6.13.

27.22.4.22.4.8.3 Test purpose

To verify that the text passed to the ME is displayed as idle mode text according to the underline text attribute configuration.

27.22.4.22.4.8.4 Method of test

27.22.4.22.4.8.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

27.22.4.22.4.8.4.2 Procedure

Expected Sequence 4.8 (SET UP IDLE MODE TEXT, display idle mode text, Text Attribute – Underline On)

See ETSI TS 102 384 [26] in subclause 27.22.4.22.4.8.4.2, Expected Sequence 4.8.

27.22.4.22.4.8.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.8.

27.22.4.22.4.9 SET UP IDLE MODE TEXT (support of Text Attribute – Strikethrough On)

27.22.4.22.4.9.1 Definition and applicability

See clause 3.2.2.

27.22.4.22.4.9.2 Conformance requirement

- TS 31.111 [15] clause 4.7, clause 5.2, clause 6.4.22, clause 6.6.22, clause 6.4.16, clause 6.6.16, clause 7.5.6, clause 6.8, clause 7.5, clause 7.5.1, clause 8.25, clause 8.70, clause 6.4.7 and clause 6.6.13.

27.22.4.22.4.9.3 Test purpose

To verify that the text passed to the ME is displayed as idle mode text according to the strikethrough text attribute configuration.

27.22.4.22.4.9.4 Method of test

27.22.4.22.4.9.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

27.22.4.22.4.9.4.2 Procedure

Expected Sequence 4.9 (SET UP IDLE MODE TEXT, display idle mode text, Text Attribute – Strikethrough On)

See ETSI TS 102 384 [26] in subclause 27.22.4.22.4.9.4.2, Expected Sequence 4.9.

27.22.4.22.4.9.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.9.

27.22.4.22.4.10 SET UP IDLE MODE TEXT (support of Text Attribute – Foreground and Background Colour)

27.22.4.22.4.10.1 Definition and applicability

See clause 3.2.2.

27.22.4.22.4.10.2 Conformance requirement

- TS 31.111 [15] clause 4.7, clause 5.2, clause 6.4.22, clause 6.6.22, clause 6.4.16, clause 6.6.16, clause 7.5.6, clause 6.8, clause 7.5, clause 7.5.1, clause 8.25, clause 8.70, clause 6.4.7 and clause 6.6.13.

27.22.4.22.4.10.3 Test purpose

To verify that the text passed to the ME is displayed as idle mode text according to the foreground and background colour text attribute configuration.

27.22.4.22.4.10.4 Method of test

27.22.4.22.4.10.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

27.22.4.22.4.10.4.2 Procedure

Expected Sequence 4.10 (SET UP IDLE MODE TEXT, display idle mode text, Text Attribute – Foreground and Background Colour)

See ETSI TS 102 384 [26] in subclause 27.22.4.22.4.10.4.2, Expected Sequence 4.10.

27.22.4.22.4.10.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.10.

27.22.4.22.5 SET UP IDLE MODE TEXT (UCS2 display in Chinese)

27.22.4.22.5.1 Definition and applicability

See clause 3.2.2.

27.22.4.22.5.2 Conformance requirement

TS 31.111 [15] clause 4.7, clause 5.2, clause 6.4.22, clause 6.6.22, clause 6.4.16, clause 6.6.16, clause 7.5.6, clause 6.8, clause 7.5, clause 7.5.1, clause 8.25, clause 8.70, clause 6.4.7 and clause 6.6.13.

The Terminal shall additionally support the UCS2 facility for the coding of the Chinese character, as defined in: ISO/IEC 10646 [17a/17b].

27.22.4.22.5.3 Test purpose

To verify that the UCS2 coded text string is displayed by the ME as an idle mode text.

27.22.4.22.5.4 Method of test

27.22.4.22.5.4.1 Initial conditions

The Terminal is connected to both the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

Prior to this test the Terminal shall have been powered on, performed the PROFILE DOWNLOAD procedure and be in updated idle mode on the USS.

27.22.4.22.5.4.2 Procedure

Expected Sequence 5.1 (SET UP IDLE MODE TEXT, UCS2 alphabet text in Chinese)

See ETSI TS 102 384 [26] in subclause 27.22.4.22.5.4.2, Expected Sequence 5.1.

27.22.4.22.5.5 Test requirement

The ME shall operate in the manner defined in expected sequence 5.1.

27.22.4.22.6 SET UP IDLE MODE TEXT (UCS2 display in Katakana)

27.22.4.22.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.22.6.2 Conformance requirement

- TS 31.111 [15] clause 4.7, clause 5.2, clause 6.4.22, clause 6.6.22, clause 6.4.16, clause 6.6.16, clause 7.5.6, clause 6.8, clause 7.5, clause 7.5.1, clause 8.25, clause 8.70, clause 6.4.7 and clause 6.6.13.

The ME shall additionally support the UCS2 facility for the coding of the Katakana character, as defined in:

ISO/IEC 10646 [17a/17b].

27.22.4.22.6.3 Test purpose

To verify that the UCS2 coded text string is displayed by the ME as an idle mode text.

27.22.4.22.6.4 Method of test

27.22.4.22.6.4.1 Initial conditions

The ME is connected to both the UICC Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

Prior to this test the ME shall have been powered on, performed the PROFILE DOWNLOAD procedure and be in updated idle mode on the USS.

27.22.4.22.6.4.2 Procedure

Expected Sequence 6.1 (SET UP IDLE MODE TEXT, UCS2 alphabet text in Katakana)

See ETSI TS 102 384 [26] in subclause 27.22.4.22.6.4.2, Expected Sequence 6.1.

27.22.4.22.6.5 Test requirement

The ME shall operate in the manner defined in expected sequence 6.1.

27.22.4.23 RUN AT COMMAND

27.22.4.23.1 RUN AT COMMAND (normal)

27.22.4.23.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.23.1.2 Conformance requirement

The ME shall support the Proactive UICC: RUN AT COMMAND facility as defined in:

- TS 31.111 [15] clause 6.4.23, clause 6.6.23, clause 5.2, clause 6.8, clause 8.6, clause 8.7, clause 8.2, clause 8.40, clause 8.31 and clause 8.41.
- TS 27.007 [18].

27.22.4.23.1.3 Test purpose

To verify that the ME responds to an AT Command contained within a RUN AT COMMAND as though it were initiated by an attached TE, and returns an AT Response within a TERMINAL RESPONSE to the UICC.

27.22.4.23.1.4 Method of test

27.22.4.23.1.4.1 Initial conditions

The ME is connected to the USIM Simulator. The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

Prior to the test the ME shall be connected to the TE.

The TA-TE interface is set to 8-bit operation.

27.22.4.23.1.4.2 Procedure

Expected Sequence 1.1(RUN AT COMMAND, no alpha identifier presented, request IMSI)

| Step | Direction | MESSAGE / Action | Comments |
|------|-------------------------|--------------------------------|-------------------------------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: RUN AT COMMAND | |
| | | 1.1.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: RUN | [no alpha identifier, request IMSI] |
| | | AT COMMAND 1.1.1 | |
| 4 | $ME (\rightarrow User)$ | The ME may give information to | |
| | | the user concerning what is | |
| | | happening | |
| 5 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: RUN AT | [Command performed successfully, AT |
| | | COMMAND 1.1.1 | Response containing IMSI] |

PROACTIVE UICC COMMAND: RUN AT COMMAND 1.1.1

Logically:

Command details

Command number:

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: UICC Destination device: ME

AT Command

AT Command string: "AT+CIMI"

Coding:

| BER-TLV: | D0 | 12 | 81 | 03 | 01 | 34 | 00 | 82 | 02 | 81 | 82 | A8 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 07 | 41 | 54 | 2B | 43 | 49 | 4D | 49 | | | | |

TERMINAL RESPONSE: RUN AT COMMAND 1.1.1

Logically:

Command details

Command number:

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

AT Response

AT Response string: IMSI

Coding:

| BER-TLV: | 81 | 03 | 01 | 34 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | A9 | 80 | 09 | 10 | 10 | 10 | 32 | 54 | 76 | 98 | | |

Expected Sequence 1.2 (RUN AT COMMAND, null data alpha identifier presented, request IMSI)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---------------------------------|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: RUN AT COMMAND | |
| | | 1.2.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: RUN | [null data alpha identifier, request IMSI] |
| | | AT COMMAND 1.2.1 | |
| 4 | ME | The ME should not give any | |
| | | information to user on the fact | |
| | | that the ME is performing an AT | |
| | | command | |
| 5 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: RUN | [Command performed successfully, AT |
| | | AT COMMAND 1.1.1 | Response containing IMSI] |

PROACTIVE UICC COMMAND: RUN AT COMMAND 1.2.1

Logically:

Command details

Command number: 1

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: UICC Destination device: ME

Alpha Identifier null data object

AT Command

AT Command string: "AT+CIMI"

Coding:

| BER-TLV: | D0 | 14 | 81 | 03 | 01 | 34 | 00 | 82 | 02 | 81 | 82 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | A8 | 07 | 41 | 54 | 2B | 43 | 49 | 4D | 49 | | |

Expected Sequence 1.3 (RUN AT COMMAND, alpha identifier presented, request IMSI)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---------------------------|-------------------------------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: RUN AT COMMAND | |
| | | 1.3.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: RUN | [alpha identifier, request IMSI] |
| | | AT COMMAND 1.3.1 | |
| 4 | $ME \rightarrow USER$ | Display "Run AT Command" | |
| 5 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: RUN AT | [Command performed successfully, AT |
| | | COMMAND 1.1.1 | Response containing IMSI] |

PROACTIVE UICC COMMAND: RUN AT COMMAND 1.3.1

Logically:

Command details

Command number: 1

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: UICC Destination device: ME

Alpha Identifier

Alpha Identifier "Run AT Command"

AT Command

AT Command string: "AT+CIMI"

Coding:

| BER-TLV: | D0 | 22 | 81 | 03 | 01 | 34 | 00 | 82 | 02 | 81 | 82 | ⁸ 5 |
|----------|----|----------------|----|----|----|----|----|----|----|----|----|----------------|
| | 0E | 5 ² | 75 | 6E | 20 | 41 | 54 | 20 | 43 | 6F | 6D | 6D |
| | 61 | 6E | 64 | A8 | 07 | 41 | 54 | 2B | 43 | 49 | 4D | 49 |

27.22.4.23.1.5 Test requirement

The ME shall operate in the manner defined in expected sequences 1.1 to 1.3.

27.22.4.23.2 RUN AT COMMAND (Icon support)

27.22.4.23.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.23.2.2 Conformance requirement

The ME shall support the Proactive UICC: RUN AT COMMAND facility as defined in:

- TS 31.111 [15] clause 6.4.23, clause 6.6.23, clause 5.2, clause 6.8, clause 8.6, clause 8.7, clause 8.2, clause 8.40, clause 8.31 and clause 8.41.
- TS 27.007 [18].

27.22.4.23.2.3 Test purpose

To verify that the ME responds to an AT Command contained within a RUN AT COMMAND as though it were initiated by an attached TE, and returns an AT Response within a TERMINAL RESPONSE to the UICC.

In addition to verify that if an icon is provided by the UICC, the icon indicated in the command may be used by the ME to inform the user, in addition to, or instead of the alpha identifier, as indicated with the icon qualifier.

27.22.4.23.2.4 Method of test

27.22.4.23.2.4.1 Initial conditions

The ME is connected to the USIM Simulator. The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

Prior to the test the ME shall be connected to the TE.

The TA-TE interface is set to 8-bit operation.

The ME screen shall be in its normal stand-by display.

27.22.4.23.2.4.2 Procedure

Expected Sequence 2.1A (RUN AT COMMAND, basic icon self explanatory, request IMSI, successful)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--------------------------------|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: RUN AT COMMAND | |
| | | 2.1.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: RUN | [BASIC-ICON, self-explanatory, request IMSI] |
| | | AT COMMAND 2.1.1 | |
| 4 | $ME \rightarrow USER$ | Display BASIC ICON without the | |
| | | alpha identifier | |
| 5 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: RUN AT | [Command performed successfully, AT |
| | | COMMAND 2.1.1A | response containing IMSI] |
| | | | |

PROACTIVE COMMAND: RUN AT COMMAND 2.1.1

Logically:

Command details

Command number:

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: UICC Destination device: ME

Alpha Identifier

Alpha identifier: "Basic Icon"

AT Command

AT Command string: "AT+CIMI"

Icon identifier:

Icon qualifier: icon is self-explanatory Icon identifier: record 1 in $EF_{(IMG)}$

Coding:

| BER-TLV: | D0 | 22 | 81 | 03 | 01 | 34 | 00 | 82 | 02 | 81 | 82 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0A | 42 | 61 | 73 | 69 | 63 | 20 | 49 | 63 | 6F | 6E | A8 |
| | 07 | 41 | 54 | 2B | 43 | 49 | 4D | 49 | 9E | 02 | 00 | 01 |

TERMINAL RESPONSE: RUN AT COMMAND 2.1.1A

Logically:

Command details

Command number:

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

AT Response

AT Response string: IMSI

Coding:

| BER-TLV: | 81 | 03 | 01 | 34 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | A9 | 80 | 09 | 10 | 10 | 10 | 32 | 54 | 76 | 98 | | |

Expected Sequence 2.1B (RUN AT COMMAND, basic icon self explanatory, request IMSI, requested icon could not be displayed)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|----------------------------------|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: RUN AT COMMAND | |
| | | 2.1.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: RUN | [BASIC-ICON, self-explanatory, request IMSI] |
| | | AT COMMAND 2.1.1 | |
| 4 | $ME \rightarrow USER$ | Display 'Basic Icon' without the | |
| | | BASIC-ICON | |
| 5 | $ME \rightarrow UICC$ | | [Command performed but requested icon |
| | | COMMAND 2.1.1B | could not be displayed, AT response |
| | | | containing IMSI] |

TERMINAL RESPONSE: RUN AT COMMAND 2.1.1B

Logically:

Command details

Command number: 1

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully, but requested icon could not be displayed

AT Response

AT Response string: IMSI

Coding:

| BER-TLV: | 81 | 03 | 01 | 34 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 04 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | A9 | 08 | 09 | 10 | 10 | 10 | 32 | 54 | 76 | 98 | | |

Expected Sequence 2.2A (RUN AT COMMAND, colour icon self explanatory, request IMSI, successful)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|-----------------------------|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: RUN AT COMMAND | |
| | | 2.2.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: RUN | [COLOUR-ICON, self-explanatory, request |
| | | AT COMMAND 2.2.1 | IMSI] |
| 4 | | Display COLOUR-ICON without | |
| | | the alpha identifier | |
| 5 | $ME \rightarrow UICC$ | | [Command performed successfully, AT |
| | | COMMAND 2.1.1A | response containing IMSI] |
| | | | |

PROACTIVE COMMAND: RUN AT COMMAND 2.2.1

Logically:

Command details

Command number:

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: ME

Alpha Identifier

Alpha identifier: "Colour Icon"

AT Command

AT Command string: "AT+CIMI"

Icon identifier:

 $\begin{array}{ll} \hbox{Icon qualifier:} & \hbox{icon is self-explanatory} \\ \hbox{Icon identifier:} & \hbox{record 2 in } EF_{(IMG)} \\ \end{array}$

Coding:

| BER-TLV: | D0 | 23 | 81 | 03 | 01 | 34 | 00 | 82 | 02 | 81 | 82 | A8 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0B | 43 | 6F | 6C | 6F | 75 | 72 | 20 | 49 | 63 | 6F | 6E |
| | A8 | 07 | 41 | 54 | 2B | 43 | 49 | 4D | 49 | 9E | 02 | 00 |
| | 02 | | | | | | | | | | | |

Expected Sequence 2.2B (RUN AT COMMAND, colour icon self explanatory, request IMSI, requested icon could not be displayed)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|-----------------------------------|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: RUN AT COMMAND | |
| | | 2.2.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: RUN | [COLOUR-ICON, self-explanatory, request |
| | | AT COMMAND 2.2.1 | IMSI] |
| 4 | $ME \rightarrow USER$ | Display 'Colour Icon' without the | |
| | | COLOUR-ICON | |
| 5 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: RUN AT | [Command performed but requested icon |
| | | COMMAND 2.1.1B | could not be displayed, AT response |
| | | | containing IMSI] |

Expected Sequence 2.3A (RUN AT COMMAND, basic icon non self-explanatory, request IMSI, successful)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---------------------------------|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: RUN AT COMMAND | |
| | | 2.3.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: RUN | [BASIC-ICON, non self-explanatory, request |
| | | AT COMMAND 2.3.1 | IMSI] |
| 4 | $ME \rightarrow USER$ | Display "Basic Icon" and BASIC- | |
| | | ICON | |
| | | | |
| 5 | $ME \rightarrow UICC$ | | [Command performed successfully, AT |
| | | COMMAND 2.1.1A | response containing IMSI] |
| | | | |

PROACTIVE COMMAND: RUN AT COMMAND 2.3.1

Logically:

Command details

Command number: 1

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: UICC Destination device: ME

Alpha Identifier

Alpha identifier: "Basic Icon"

AT Command

AT Command string: "AT+CIMI"

Icon identifier

Icon qualifier: icon is non self-explanatory

Icon identifier: record 1 in $EF_{(IMG)}$

Coding:

| BER-TLV: | D0 | 22 | 81 | 03 | 01 | 34 | 00 | 82 | 02 | 81 | 82 | 85 |
|----------|----|-----|----|----|-----|----|----|----|----|----|----|----|
| ` | 0A | 42 | 61 | 73 | 69 | 63 | 20 | 49 | 63 | 6F | 6E | A8 |
| | 07 | /11 | 5/ | 2B | //3 | 10 | 4D | 10 | QΕ | 02 | Ω1 | Ω1 |

Expected Sequence 2.3B (RUN AT COMMAND, basic icon non self-explanatory, request IMSI, requested icon could not be displayed)

| Step | Direction | MESSAGE / Action | Comments |
|------|---------------|------------------------------|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: RUN AT COMMAND | |
| | | 2.3.1 | |
| 2 | $ME \to UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: RUN | [BASIC-ICON, non self-explanatory, request |
| | | AT COMMAND 2.3.1 | IMSI] |
| 4 | $ME \to USER$ | Display "Basic Icon" without | |
| | | BASIC-ICON | |
| 5 | $ME \to UICC$ | TERMINAL RESPONSE: RUN AT | [Command performed but requested icon |
| | | COMMAND 2.1.1B | could not be displayed, AT response |
| 1 | | | containing IMSI] |

Expected Sequence 2.4A (RUN AT COMMAND, colour icon non self-explanatory, request IMSI, successful)

| Step | Direction | MESSAGE / Action | Comments |
|------|---------------|---------------------------|-------------------------------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: RUN AT COMMAND | |
| | | 2.4.1 | |
| 2 | $ME \to UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: RUN | [COLOUR-ICON, non self-explanatory, |
| | | AT COMMAND 2.4.1 | request IMSI] |
| 4 | $ME \to USER$ | Display "Colour Icon" and | |
| | | COLOUR-ICON | |
| 5 | $ME \to UICC$ | TERMINAL RESPONSE: RUN AT | [Command performed successfully, AT |
| | | COMMAND 2.1.1A | response containing IMSI] |
| | | | |

PROACTIVE COMMAND: RUN AT COMMAND 2.4.1

Logically:

Command details

Command number: 1

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: UICC Destination device: ME

Alpha Identifier

Alpha identifier: "Colour Icon"

AT Command

AT Command string: "AT+CIMI"

Icon identifier:

Icon qualifier: icon is self-explanatory Icon identifier: record 2 in $EF_{(IMG)}$

Coding:

| BER-TLV: | D0 | 23 | 81 | 03 | 01 | 34 | 00 | 82 | 02 | 81 | 82 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0B | 43 | 6F | 6C | 6F | 75 | 72 | 20 | 49 | 63 | 6F | 6E |
| | A8 | 07 | 41 | 54 | 2B | 43 | 49 | 4D | 49 | 9E | 02 | 01 |
| | 02 | | | | | | | | | | | |

Expected Sequence 2.4B (RUN AT COMMAND, colour icon non self-explanatory, request IMSI, requested icon could not be displayed)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|-------------------------------|---------------------------------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: RUN AT COMMAND | |
| | | 2.4.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: RUN | [COLOUR-ICON, non self-explanatory, |
| | | AT COMMAND 2.4.1 | request IMSI] |
| 4 | $ME \rightarrow USER$ | Display "Colour Icon" without | |
| | | COLOUR-ICON | |
| 5 | $ME \rightarrow UICC$ | | [Command performed but requested icon |
| | | COMMAND 2.1.1B | could not be displayed, AT response |
| | | | containing IMSI] |

Expected Sequence 2.5 (RUN AT COMMAND, basic icon non self-explanatory, no alpha identifier presented)

| Step | Direction | MESSAGE / Action | Comments |
|------|---------------|-------------------------|-------------------------------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: RUN AT COMMAND | |
| | | 2.5.1 | |
| 2 | $ME \to UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: RUN | [BASIC-ICON, non self-explanatory] |
| | | AT COMMAND 2.5.1 | |
| 4 | $ME \to UICC$ | TERMINAL RESPONSE: RUN | [Command data not understood by ME] |
| | | AT COMMAND 2.5.1 | |

PROACTIVE COMMAND: RUN AT COMMAND 2.5.1

Logically:

Command details

Command number:

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: UICC Destination device: ME

AT Command

AT Command string: "AT+CIMI"

Icon identifier

Icon qualifier: icon is non self-explanatory

Icon identifier: record 1 in $EF_{(IMG)}$

Coding:

| BER-TLV: | D0 | 16 | 81 | 03 | 01 | 34 | 00 | 82 | 02 | 81 | 82 | A8 | |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|---|
| | 07 | 41 | 54 | 2B | 43 | 49 | 4D | 49 | 9E | 02 | 01 | 01 | l |

TERMINAL RESPONSE: RUN AT COMMAND 2.5.1

Logically:

Command details

Command number:

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: UICC Destination device: ME

Result

General Result: Command data not understood by ME

Coding:

BER-TLV: 81 03 01 34 00 82 02 82 81 83 01 32

27.22.4.23.2.5 Test requirement

The ME shall operate in the manner defined in expected sequences 2.1 to 2.5.

27.22.4.23.3 RUN AT COMMAND (support of Text Attribute)

27.22.4.23.3.1 RUN AT COMMAND (support of Text Attribute – Left Alignment)

27.22.4.23.3.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.23.3.1.2 Conformance requirement

The ME shall support the Proactive UICC: RUN AT COMMAND facility as defined in:

- TS 31.111 [15] clause 6.4.23, clause 6.6.23, clause 5.2, clause 6.8, clause 8.6, clause 8.7, clause 8.2, clause 8.40, clause 8.31, clause 8.41 and clause 8.70.
- TS 27.007 [18].

The terminal shall support the text attribute.

27.22.4.23.3.1.3 Test purpose

To verify that the ME responds to an AT Command contained within a RUN AT COMMAND with left alignment text attribute as though it were initiated by an attached TE, and returns an AT Response within a TERMINAL RESPONSE to the UICC.

27.22.4.23.3.1.4 Method of test

27.22.4.23.3.1.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

Prior to the test the ME shall be connected to the TE.

The TA-TE interface is set to 8-bit operation.

27.22.4.23.3.1.4.2 Procedure

Expected Sequence 3.1(RUN AT COMMAND, with alpha identifier presented, request IMSI, Text Attribute – Left Alignment)

| Step | Direction | MESSAGE / Action | Comments |
|------|-------------------------------|----------------------------|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: RUN AT COMMAND | |
| | | 3.1.1 | |
| 2 | 11.12 / 0.00 | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: RUN | |
| | | AT COMMAND 3.1.1 | |
| 4 | $ME \left(ightarrow ight.$ | Display "Run AT Command 1" | [alpha identifier is displayed with left |
| | USER) | | alignment, request IMSI] |
| 5 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: RUN AT | [Command performed successfully, AT |
| | | COMMAND 3.1.1 | Response containing IMSI] |
| 6 | $UICC \to ME$ | PROACTIVE UICC SESSION | |
| 7 | LUCO ME | PROACTIVE COMMAND | |
| / | $UICC \to ME$ | PENDING: RUN AT COMMAND | |
| | | 3.1.2 | |
| 8 | ME → UICC | FETCH | |
| 9 | UICC → ME | PROACTIVE COMMAND: RUN | |
| | OICC - IVIL | AT COMMAND 3.1.2 | |
| 10 | $ME\left(ightarrow$ | Display "Run AT Command 2" | [Message shall be formatted without left |
| | USER) | September 1 | alignment, request IMSI. Remark: If left |
| | 00211) | | alignment is the ME"s default alignment as |
| | | | declared in table A.2/16, no alignment change |
| | | | will take place] |
| 11 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: RUN AT | [Command performed successfully, AT |
| | | COMMAND 3.1.1 | Response containing IMSI] |
| 12 | $UICC \to ME$ | PROACTIVE UICC SESSION | |
| | | ENDED | |

PROACTIVE UICC COMMAND: RUN AT COMMAND 3.1.1

Logically:

Command details

Command number: 1

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: UICC Destination device: ME

Alpha Identifier

Alpha Identifier "Run AT Command 1"

AT Command

AT Command string: "AT+CIMI"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Right Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 2A | 81 | 03 | 01 | 34 | 00 | 82 | 02 | 81 | 82 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 52 | 75 | 6E | 20 | 41 | 54 | 20 | 43 | 6F | 6D | 6D |
| | 61 | 6E | 64 | 20 | 31 | A8 | 07 | 41 | 54 | 2B | 43 | 49 |
| | 4D | 49 | D0 | 04 | 00 | 10 | 00 | B4 | | | | |

PROACTIVE UICC COMMAND: RUN AT COMMAND 3.1.2

Logically:

Command details

Command number: 1

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: UICC Destination device: ME

Alpha Identifier

Alpha Identifier "Run AT Command 2"

AT Command

AT Command string: "AT+CIMI"

Coding:

| BER-TLV: | D0 | 24 | 81 | 03 | 01 | 34 | 00 | 82 | 02 | 81 | 82 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| - | 10 | 52 | 75 | 6E | 20 | 41 | 54 | 20 | 43 | 6F | 6D | 6D |
| | 61 | 6E | 64 | 20 | 32 | A8 | 07 | 41 | 54 | 2B | 43 | 49 |
| | 4D | 49 | | | | | | | | | | |

TERMINAL RESPONSE: RUN AT COMMAND 3.1.1

Logically:

Command details

Command number:

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

AT Response

AT Response string: IMSI

Coding:

| BER-TLV: | 81 | 03 | 01 | 34 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | A9 | 80 | 09 | 10 | 10 | 10 | 32 | 54 | 76 | 98 | | |

27.22.4.23.3.1.5 Test requirement

The ME shall operate in the manner defined in expected sequence 3.1.

27.22.4.23.3.2 RUN AT COMMAND (support of Text Attribute – Center Alignment)

27.22.4.23.3.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.23.3.2.2 Conformance requirement

The ME shall support the Proactive UICC: RUN AT COMMAND facility as defined in:

- TS 31.111 [15] clause 6.4.23, clause 6.6.23, clause 5.2, clause 6.8, clause 8.6, clause 8.7, clause 8.2, clause 8.40, clause 8.31, clause 8.41 and clause 8.70.

- TS 27.007 [18].

The terminal shall support the text attribute.

27.22.4.23.3.2.3 Test purpose

To verify that the ME responds to an AT Command contained within a RUN AT COMMAND with center alignment text attribute as though it were initiated by an attached TE, and returns an AT Response within a TERMINAL RESPONSE to the UICC.

27.22.4.23.3.2.4 Method of test

27.22.4.23.3.2.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

Prior to the test the ME shall be connected to the TE.

The TA-TE interface is set to 8-bit operation.

27.22.4.23.3.2.4.2 Procedure

Expected Sequence 3.2(RUN AT COMMAND, with alpha identifier presented, request IMSI, Text Attribute – Center Alignment)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: RUN AT COMMAND | |
| | | 3.2.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: RUN AT COMMAND 3.2.1 | |
| 4 | ME (→ USER) | Display "Run AT Command 1" | [alpha identifier is displayed with center alignment, request IMSI] |
| 5 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: RUN AT COMMAND 3.2.1 | [Command performed successfully, AT Response containing IMSI] |
| 6 | $UICC \to ME$ | PROACTIVE UICC SESSION ENDED | |
| 7 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: RUN AT COMMAND 3.2.2 | |
| 8 | $ME \rightarrow UICC$ | FETCH | |
| 9 | $UICC \to ME$ | PROACTIVE COMMAND: RUN AT COMMAND 3.2.2 | |
| 10 | ME (→ USER) | Display "Run AT Command 2" | [Message shall be formatted without center alignment, request IMSI. Remark: If center alignment is the ME"s default alignment as declared in table A.2/16, no alignment change will take place] |
| 11 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: RUN AT COMMAND 3.2.1 | [Command performed successfully, AT Response containing IMSI] |
| 12 | $UICC \to ME$ | PROACTIVE UICC SESSION ENDED | |

PROACTIVE UICC COMMAND: RUN AT COMMAND 3.2.1

Logically:

Command details

Command number: 1

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: ME

Alpha Identifier

Alpha Identifier "Run AT Command 1"

AT Command

AT Command string: "AT+CIMI"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Center Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 2A | 81 | 03 | 01 | 34 | 00 | 82 | 02 | 81 | 82 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 52 | 75 | 6E | 20 | 41 | 54 | 20 | 43 | 6F | 6D | 6D |
| | 61 | 6E | 64 | 20 | 31 | A8 | 07 | 41 | 54 | 2B | 43 | 49 |
| | 4D | 49 | D0 | 04 | 00 | 10 | 01 | B4 | | | | |

PROACTIVE UICC COMMAND: RUN AT COMMAND 3.2.2

Logically:

Command details

Command number:

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: UICC Destination device: ME

Alpha Identifier

Alpha Identifier "Run AT Command 2"

AT Command

AT Command string: "AT+CIMI"

Coding:

| BER-TLV: | D0 | 24 | 81 | 03 | 01 | 34 | 00 | 82 | 02 | 81 | 82 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 52 | 75 | 6E | 20 | 41 | 54 | 20 | 43 | 6F | 6D | 6D |
| | 61 | 6E | 64 | 20 | 32 | A8 | 07 | 41 | 54 | 2B | 43 | 49 |
| | 4D | 49 | | | | | | | | | | |

TERMINAL RESPONSE: RUN AT COMMAND 3.2.1

Logically:

Command details

Command number: 1

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

AT Response

AT Response string: IMSI

Coding:

| BER-TLV: | 81 | 03 | 01 | 34 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | A9 | 08 | 09 | 10 | 10 | 10 | 32 | 54 | 76 | 98 | | |

27.22.4.23.3.2.5 Test requirement

The ME shall operate in the manner defined in expected sequence 3.2.

27.22.4.23.3.3 RUN AT COMMAND (support of Text Attribute – Right Alignment)

27.22.4.23.3.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.23.3.3.2 Conformance requirement

The ME shall support the Proactive UICC: RUN AT COMMAND facility as defined in:

- TS 31.111 [15] clause 6.4.23, clause 6.6.23, clause 5.2, clause 6.8, clause 8.6, clause 8.7, clause 8.2, clause 8.40, clause 8.31, clause 8.41 and clause 8.70.
- TS 27.007 [18].

The terminal shall support the text attribute.

27.22.4.23.3.3.3 Test purpose

To verify that the ME responds to an AT Command contained within a RUN AT COMMAND with right alignment text attribute as though it were initiated by an attached TE, and returns an AT Response within a TERMINAL RESPONSE to the UICC.

27.22.4.23.3.3.4 Method of test

27.22.4.23.3.3.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

Prior to the test the ME shall be connected to the TE.

The TA-TE interface is set to 8-bit operation.

27.22.4.23.3.3.4.2 Procedure

Expected Sequence 3.3(RUN AT COMMAND, with alpha identifier presented, request IMSI, Text Attribute – Right Alignment)

| Step | Direction | MESSAGE / Action | Comments |
|-------|-----------------------------|---|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: RUN AT COMMAND | |
| | | 3.3.1 | |
| 2 | $ME \to UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: RUN | |
| | | AT COMMAND 3.3.1 | |
| 4 | $ME (\rightarrow USER)$ | Display "Run AT Command 1" | [alpha identifier is displayed with right |
| | | | alignment, request IMSI] |
| 5 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: RUN | [Command performed successfully, AT |
| _ | | AT COMMAND 3.3.1 | Response containing IMSI] |
| 6 | $UICC \to ME$ | PROACTIVE UICC SESSION | |
| _ | | ENDED | |
| 7 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: RUN AT COMMAND | |
| 0 | | 3.3.2 | |
| 8 | 1112 / 0100 | FETCH | |
| 9 | $UICC \to ME$ | PROACTIVE COMMAND: RUN | |
| 40 | ME (110ED) | AT COMMAND 3.3.2 | FR. 1. 11.1. 6 1. 20 1. 1. |
| 10 | $ME (\rightarrow USER)$ | Display "Run AT Command 2" | [Message shall be formatted without right |
| | | | |
| | | | |
| | | | |
| 11 | ME LUCC | TEDMINIAL PESDONSE: DUN | |
| 11 | IVIE → UICC | | |
| 12 | LUCC ME | | |
| 12 | OICC -> IVIE | | |
| 11 12 | $ME \to UICC$ $UICC \to ME$ | TERMINAL RESPONSE: RUN AT COMMAND 3.3.1 PROACTIVE UICC SESSION ENDED | alignment, request IMSI. Remark: If right alignment is the ME"s default alignment declared in table A.2/16, no alignment will take place] [Command performed successfully, AT Response containing IMSI] |

PROACTIVE UICC COMMAND: RUN AT COMMAND 3.3.1

Logically:

Command details

Command number: 1

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: UICC Destination device: ME

Alpha Identifier

Alpha Identifier "Run AT Command 1"

AT Command

AT Command string: "AT+CIMI"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Right Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 2A | 81 | 03 | 01 | 34 | 00 | 82 | 02 | 81 | 82 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 52 | 75 | 6E | 20 | 41 | 54 | 20 | 43 | 6F | 6D | 6D |
| | 61 | 6E | 64 | 20 | 31 | A8 | 07 | 41 | 54 | 2B | 43 | 49 |
| | 4D | 49 | D0 | 04 | 00 | 10 | 02 | В4 | | | | |

PROACTIVE UICC COMMAND: RUN AT COMMAND 3.3.2

Logically:

Command details

Command number: 1

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: UICC Destination device: ME

Alpha Identifier

Alpha Identifier "Run AT Command 2"

AT Command

AT Command string: "AT+CIMI"

Coding:

| BER-TLV: | D0 | 24 | 81 | 03 | 01 | 34 | 00 | 82 | 02 | 81 | 82 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 52 | 75 | 6E | 20 | 41 | 54 | 20 | 43 | 6F | 6D | 6D |
| | 61 | 6E | 64 | 20 | 32 | A8 | 07 | 41 | 54 | 2B | 43 | 49 |
| | 4D | 49 | | | | | | | | | | |

TERMINAL RESPONSE: RUN AT COMMAND 3.3.1

Logically:

Command details

Command number:

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

AT Response

AT Response string: IMSI

Coding:

| BER-TLV: | 81 | 03 | 01 | 34 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | A9 | 80 | 09 | 10 | 10 | 10 | 32 | 54 | 76 | 98 | | |

27.22.4.23.3.3.5 Test requirement

The ME shall operate in the manner defined in expected sequence 3.3.

27.22.4.23.3.4 RUN AT COMMAND (support of Text Attribute – Large Font Size)

27.22.4.23.3.4.1 Definition and applicability

See clause 3.2.2.

27.22.4.23.3.4.2 Conformance requirement

The ME shall support the Proactive UICC: RUN AT COMMAND facility as defined in:

- TS 31.111 [15] clause 6.4.23, clause 6.6.23, clause 5.2, clause 6.8, clause 8.6, clause 8.7, clause 8.2, clause 8.40, clause 8.31, clause 8.41 and clause 8.70.

- TS 27.007 [18].

The terminal shall support the text attribute.

27.22.4.23.3.4.3 Test purpose

To verify that the ME responds to an AT Command contained within a RUN AT COMMAND with large font size as though it were initiated by an attached TE, and returns an AT Response within a TERMINAL RESPONSE to the UICC.

27.22.4.23.3.4.4 Method of test

27.22.4.23.3.4.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

Prior to the test the ME shall be connected to the TE.

The TA-TE interface is set to 8-bit operation.

27.22.4.23.3.4.4.2 Procedure

Expected Sequence 3.4(RUN AT COMMAND, with alpha identifier presented, request IMSI, Text Attribute – Large Font Size)

| Step | Direction | MESSAGE / Action | Comments |
|------|-------------------------------|---|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: RUN AT COMMAND | |
| | | 3.4.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: RUN | |
| | | AT COMMAND 3.4.1 | |
| 4 | ME (→ USER) | Display "Run AT Command 1" | [alpha identifier is displayed with large font size, request IMSI] |
| 5 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: RUN AT COMMAND 3.4.1 | [Command performed successfully, AT Response containing IMSI] |
| 6 | $UICC \to ME$ | PROACTIVE UICC SESSION ENDED | |
| 7 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: RUN AT COMMAND 3.4.2 | |
| 8 | $ME \rightarrow UICC$ | FETCH | |
| 9 | $UICC \to ME$ | PROACTIVE COMMAND: RUN AT COMMAND 3.4.2 | |
| 10 | $ME \left(ightarrow ight.$ | Display "Run AT Command 2" | [alpha identifier is displayed with normal font |
| | USER) | · | size, request IMSI] |
| 11 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: RUN AT COMMAND 3.4.1 | [Command performed successfully, AT Response containing IMSI] |
| 12 | $UICC \to ME$ | PROACTIVE UICC SESSION ENDED | |
| 13 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: RUN AT COMMAND 3.4.1 | |
| 14 | ME → UICC | FETCH | |
| 15 | UICC → ME | PROACTIVE COMMAND: RUN | |
| 16 | ME (→ | AT COMMAND 3.4.1 Display "Run AT Command 1" | [alpha identifier is displayed with large font |
| | USER) | | size, request IMSI] |
| 17 | ME → UÍCC | TERMINAL RESPONSE: RUN AT COMMAND 3.4.1 | [Command performed successfully, AT Response containing IMSI] |
| 18 | $UICC \to ME$ | PROACTIVE UICC SESSION ENDED | |
| 19 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: RUN AT COMMAND 3.4.3 | |
| 20 | $ME \rightarrow UICC$ | FETCH | |
| 21 | UICC → ME | PROACTIVE COMMAND: RUN AT COMMAND 3.4.3 | |
| 22 | ME (→ USER) | Display "Run AT Command 3" | [alpha identifier is displayed with normal font size, request IMSI] |
| 23 | ME → UICC | TERMINAL RESPONSE: RUN AT | [Command performed successfully, AT |
| 24 | $UICC \to ME$ | COMMAND 3.4.1 PROACTIVE UICC SESSION ENDED | Response containing IMSI] |

PROACTIVE UICC COMMAND: RUN AT COMMAND 3.4.1

Logically:

Command details

Command number:

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: UICC Destination device: ME

Alpha Identifier

Alpha Identifier "Run AT Command 1"

AT Command

AT Command string: "AT+CIMI"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Large Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 2A | 81 | 03 | 01 | 34 | 00 | 82 | 02 | 81 | 82 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 52 | 75 | 6E | 20 | 41 | 54 | 20 | 43 | 6F | 6D | 6D |
| | 61 | 6E | 64 | 20 | 31 | A8 | 07 | 41 | 54 | 2B | 43 | 49 |
| | 4D | 49 | D0 | 04 | 00 | 10 | 04 | B4 | | | | |

PROACTIVE UICC COMMAND: RUN AT COMMAND 3.4.2

Logically:

Command details

Command number: 1

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: UICC Destination device: ME

Alpha Identifier

Alpha Identifier "Run AT Command 2"

AT Command

AT Command string: "AT+CIMI"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 2A | 81 | 03 | 01 | 34 | 00 | 82 | 02 | 81 | 82 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 52 | 75 | 6E | 20 | 41 | 54 | 20 | 43 | 6F | 6D | 6D |
| | 61 | 6E | 64 | 20 | 32 | A8 | 07 | 41 | 54 | 2B | 43 | 49 |
| | 4D | 49 | D0 | 04 | 00 | 10 | 00 | B4 | | | | |

PROACTIVE UICC COMMAND: RUN AT COMMAND 3.4.3

Logically:

Command details

Command number: 1

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: UICC Destination device: ME

Alpha Identifier

Alpha Identifier "Run AT Command 3"

AT Command

AT Command string: "AT+CIMI"

Coding:

| BER-TLV: | D0 | 24 | 81 | 03 | 01 | 34 | 00 | 82 | 02 | 81 | 82 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 52 | 75 | 6E | 20 | 41 | 54 | 20 | 43 | 6F | 6D | 6D |
| | 61 | 6E | 64 | 20 | 33 | A8 | 07 | 41 | 54 | 2B | 43 | 49 |
| | 4D | 49 | | | | | | | | | | |

TERMINAL RESPONSE: RUN AT COMMAND 3.4.1

Logically:

Command details

Command number:

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

AT Response

AT Response string: IMSI

Coding:

| BER-TLV: | 81 | 03 | 01 | 34 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | A9 | 08 | 09 | 10 | 10 | 10 | 32 | 54 | 76 | 98 | | |

27.22.4.23.3.4.5 Test requirement

The ME shall operate in the manner defined in expected sequence 3.4.

27.22.4.23.3.5 RUN AT COMMAND (support of Text Attribute – Small Font Size)

27.22.4.23.3.5.1 Definition and applicability

See clause 3.2.2.

27.22.4.23.3.5.2 Conformance requirement

The ME shall support the Proactive UICC: RUN AT COMMAND facility as defined in:

- TS 31.111 [15] clause 6.4.23, clause 6.6.23, clause 5.2, clause 6.8, clause 8.6, clause 8.7, clause 8.2, clause 8.40, clause 8.31, clause 8.41 and clause 8.70.

- TS 27.007 [18].

The terminal shall support the text attribute.

27.22.4.23.3.5.3 Test purpose

To verify that the ME responds to an AT Command contained within a RUN AT COMMAND with small font size as though it were initiated by an attached TE, and returns an AT Response within a TERMINAL RESPONSE to the UICC.

27.22.4.23.3.5.4 Method of test

27.22.4.23.3.5.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

Prior to the test the ME shall be connected to the TE.

The TA-TE interface is set to 8-bit operation.

27.22.4.23.3.5.4.2 Procedure

Expected Sequence 3.5(RUN AT COMMAND, with alpha identifier presented, request IMSI, Text Attribute – Small Font Size)

| Step | Direction | MESSAGE / Action | Comments |
|----------|--|--|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: RUN AT COMMAND | |
| 2 | $ME \to UICC$ | 3.5.1 FETCH | |
| 3 | $VICC \rightarrow ME$ | PROACTIVE COMMAND: RUN | |
| | | AT COMMAND 3.5.1 | |
| 4 | $ME \left(ightarrow ight.$ | Display "Run AT Command 1" | [alpha identifier is displayed with small font |
| | USER) | | size, request IMSI] |
| 5 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: RUN AT | [Command performed successfully, AT |
| | | COMMAND 3.5.1 | Response containing IMSI] |
| 6 | $UICC \to ME$ | PROACTIVE UICC SESSION | |
| 7 | $UICC \to ME$ | PROACTIVE COMMAND | |
| ' | | PENDING: RUN AT COMMAND | |
| | | 3.5.2 | |
| 8 | $ME \rightarrow UICC$ | FETCH | |
| 9 | $UICC \to ME$ | PROACTIVE COMMAND: RUN | |
| 40 | | AT COMMAND 3.5.2 | |
| 10 | ME (→ | Display "Run AT Command 2" | [alpha identifier is displayed with normal font size, request IMSI] |
| 11 | $\begin{array}{c} USER)\\ ME \to UICC \end{array}$ | TERMINAL RESPONSE: RUN AT | [Command performed successfully, AT |
| '' | WE → OICC | COMMAND 3.5.1 | Response containing IMSI] |
| 12 | $UICC \to ME$ | PROACTIVE UICC SESSION | interponde containing interp |
| | | ENDED | |
| 13 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: RUN AT COMMAND | |
| 14 | $ME \to UICC$ | 3.5.1 FETCH | |
| 15 | UICC → ME | PROACTIVE COMMAND: RUN | |
| | OIOO - IVIL | AT COMMAND 3.5.1 | |
| 16 | $ME \left(ightarrow ight.$ | Display "Run AT Command 1" | [alpha identifier is displayed with small font |
| | USER) | | size, request IMSI] |
| 17 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: RUN AT | [Command performed successfully, AT |
| 10 | LUCC ME | COMMAND 3.5.1 | Response containing IMSI] |
| 18 | $UICC \to ME$ | PROACTIVE UICC SESSION ENDED | |
| 19 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | 0.00 / | PENDING: RUN AT COMMAND | |
| | | 3.5.3 | |
| 20 | $ME \rightarrow UICC$ | FETCH | |
| 21 | $UICC \to ME$ | PROACTIVE COMMAND: RUN | |
| 22 | ME / S | AT COMMAND 3.5.3 Display "Run AT Command 3" | [alpha identifier is displayed with normal font |
| | ME ($ ightarrow$ USER) | Display Kull AT Collillatio 3 | size, request IMSI] |
| 23 | ME → UICC | TERMINAL RESPONSE: RUN AT | [Command performed successfully, AT |
| | , , 5.56 | COMMAND 3.5.1 | Response containing IMSI] |
| 24 | $UICC \to ME$ | PROACTIVE UICC SESSION | |
| | | ENDED | |

PROACTIVE UICC COMMAND: RUN AT COMMAND 3.5.1

Logically:

Command details

Command number:

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: UICC Destination device: ME

Alpha Identifier

Alpha Identifier "Run AT Command 1"

AT Command

AT Command string: "AT+CIMI"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Small Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 2A | 81 | 03 | 01 | 34 | 00 | 82 | 02 | 81 | 82 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 52 | 75 | 6E | 20 | 41 | 54 | 20 | 43 | 6F | 6D | 6D |
| | 61 | 6E | 64 | 20 | 31 | A8 | 07 | 41 | 54 | 2B | 43 | 49 |
| | 4D | 49 | D0 | 04 | 00 | 10 | 08 | B4 | | | | |

PROACTIVE UICC COMMAND: RUN AT COMMAND 3.5.2

Logically:

Command details

Command number: 1

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: UICC Destination device: ME

Alpha Identifier

Alpha Identifier "Run AT Command 2"

AT Command

AT Command string: "AT+CIMI"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 2A | 81 | 03 | 01 | 34 | 00 | 82 | 02 | 81 | 82 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 52 | 75 | 6E | 20 | 41 | 54 | 20 | 43 | 6F | 6D | 6D |
| | 61 | 6E | 64 | 20 | 32 | A8 | 07 | 41 | 54 | 2B | 43 | 49 |
| | 4D | 49 | D0 | 04 | 00 | 10 | 00 | B4 | | | | |

PROACTIVE UICC COMMAND: RUN AT COMMAND 3.5.3

Logically:

Command details

Command number:

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: UICC Destination device: ME

Alpha Identifier

Alpha Identifier "Run AT Command 3"

AT Command

AT Command string: "AT+CIMI"

Coding:

| BER-TLV: | D0 | 24 | 81 | 03 | 01 | 34 | 00 | 82 | 02 | 81 | 82 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 52 | 75 | 6E | 20 | 41 | 54 | 20 | 43 | 6F | 6D | 6D |
| | 61 | 6E | 64 | 20 | 33 | A8 | 07 | 41 | 54 | 2B | 43 | 49 |
| | 4D | 49 | | | | | | | | | | |

TERMINAL RESPONSE: RUN AT COMMAND 3.5.1

Logically:

Command details

Command number:

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

AT Response

AT Response string: IMSI

Coding:

| BER-TLV: | 81 | 03 | 01 | 34 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | A9 | 08 | 09 | 10 | 10 | 10 | 32 | 54 | 76 | 98 | | |

27.22.4.23.3.5.5 Test requirement

The ME shall operate in the manner defined in expected sequence 3.5.

27.22.4.23.3.6 RUN AT COMMAND (support of Text Attribute – Bold On)

27.22.4.23.3.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.23.3.6.2 Conformance requirement

The ME shall support the Proactive UICC: RUN AT COMMAND facility as defined in:

- TS 31.111 [15] clause 6.4.23, clause 6.6.23, clause 5.2, clause 6.8, clause 8.6, clause 8.7, clause 8.2, clause 8.40, clause 8.31, clause 8.41 and clause 8.70.

- TS 27.007 [18].

The terminal shall support the text attribute.

27.22.4.23.3.6.3 Test purpose

To verify that the ME responds to an AT Command contained within a RUN AT COMMAND with bold text attribute as though it were initiated by an attached TE, and returns an AT Response within a TERMINAL RESPONSE to the UICC.

27.22.4.23.3.6.4 Method of test

27.22.4.23.3.6.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

Prior to the test the ME shall be connected to the TE.

The TA-TE interface is set to 8-bit operation.

27.22.4.23.3.6.4.2 Procedure

Expected Sequence 3.6(RUN AT COMMAND, with alpha identifier presented, request IMSI, Text Attribute – Bold On)

| PENDING: RUN AT COMMAND 3.6.1 PETCH WE (→ USER) ME → UICC ME (→ USER) ME → UICC → ME PROACTIVE COMMAND: RUN AT COMMAND 3.6.1 PETCH UICC → ME PROACTIVE UICC SESSION ENDED UICC → ME PROACTIVE COMMAND 3.6.2 ME (→ USER) ME → UICC ME (→ USER) ME → UICC ME (→ USER) ME → UICC ME (→ USER) ME → UICC ME (→ USER) ME → UICC ME (→ USER) ME → UICC ME (→ USER) ME → UICC ME (→ USER) ME → UICC ME (→ USER) ME → UICC ME (→ USER) ME → UICC ME (→ USER) ME → UICC ME (→ USER) ME → UICC ME (→ USER) ME → UICC ME (→ USER) ME → UICC ME (→ USER) ME → UICC ME (→ USER) ME → UICC ME (→ USER) ME → UICC ME (→ USER) ME → UICC → ME ME (→ USER) ME → UICC → ME ME (→ USER) ME → UICC ME (→ USER) ME (→ USER) ME (→ USER) ME (→ USER | Step | Direction | MESSAGE / Action | Comments |
|---|------|-----------------------|-----------------------------|---|
| 2 | 1 | $UICC \to ME$ | | |
| 2 | | | | |
| 3 | | ME IIIOO | | |
| AT COMMAND 3.6.1 Display "Run AT Command 1" UICC → ME UICC → ME UICC → ME UICC → ME UICC → ME WE → UICC ME → UICC ME ← UICC → ME UICC → ME ME → UICC ME ← UICC → ME UICC → ME ME → UICC ME ← UICC → ME UICC → ME UICC → ME ME → UICC ME ← USER) ME → UICC ME ← USER) ME → UICC ME ← USER) ME → UICC ME ← USER) ME → UICC ME ← UICC → ME ME → UICC → ME ME → UICC ME ← UICC → ME ME → UICC | | | | |
| 4 ME (→ USER) 5 ME → UICC ME → UICC → ME 6 UICC → ME 7 UICC → ME 7 UICC → ME 8 ME → UICC ME → ME 9 PROACTIVE COMMAND 3.6.2 8 ME → UICC 9 UICC → ME 10 ME (→ USER) 11 ME → UICC 12 UICC → ME 13 UICC → ME 13 UICC → ME 14 ME → UICC 15 UICC → ME 16 ME (→ USER) 17 ME → UICC 16 UICC → ME 18 WE → UICC 19 UICC → ME 19 UICC → ME 10 ME (→ USER) 11 ME → UICC 15 UICC → ME 16 ME (→ USER) 17 ME → UICC 18 ME (→ USER) 18 ME → UICC 19 UICC → ME 19 UICC → ME 10 ME (→ USER) 11 ME → UICC 15 UICC → ME 16 ME (→ USER) 17 ME → UICC 18 UICC → ME 19 UICC → ME 10 ME (→ USER) 17 ME → UICC 18 UICC → ME 19 UICC → ME 10 ME → UICC 11 Display "Run AT COMMAND RUN AT COMMAND 3.6.1 12 UICC → ME 13 UICC → ME 14 ME → UICC 15 UICC → ME 16 ME (→ USER) 17 ME → UICC 18 UICC → ME 19 UICC → ME 19 UICC → ME 10 ME → UICC 21 UICC → ME 22 ME → UICC 21 UICC → ME 23 ME → UICC 24 UICC → ME 25 ME → UICC 26 ME → UICC 27 UICC → ME 28 ME → UICC 29 ME → UICC 20 ME → UICC 20 ME → UICC 21 UICC → ME 21 UICC → ME 22 ME (→ USER) 23 ME → UICC 24 UICC → ME 25 ME → UICC 26 ME → UICC 27 UICC → ME 28 ME → UICC 29 ME → UICC 20 ME → UICC 20 ME → UICC 21 UICC → ME 21 UICC → ME 22 ME (→ USER) 23 ME → UICC 24 UICC → ME 24 UICC → ME 25 Display "Run AT Command 3" [alpha identifier is displayed with bold off, request IMS]] [Command performed successfully, AT Response containing IMSI] 29 ME → UICC 20 ME → UICC 21 UICC → ME 21 UICC → ME 22 ME (→ USER) 23 ME → UICC 24 UICC → ME 24 UICC → ME 25 Display "Run AT Command 3" [alpha identifier is displayed with bold off, request IMS]] [Command performed successfully, AT Response containing IMSI] | 3 | UICC → ME | | |
| USER) ME → UICC ME → UICC → ME TERMINAL RESPONSE: RUN AT COMMAND 3.6.1 PROACTIVE UICC SESSION ENDED WICC → ME ME → UICC ME ME → UICC ME ME → UICC ME ME → UICC ME TERMINAL RESPONSE: RUN AT COMMAND PENDING: RUN AT COMMAND 3.6.2 Display "Run AT COMMAND RUN AT COMMAND 3.6.2 Display "Run AT Command 2" TERMINAL RESPONSE: RUN AT COMMAND RUN AT COMMAND 3.6.1 TERMINAL RESPONSE: RUN AT COMMAND RUN AT COMMAND 3.6.1 PROACTIVE UICC SESSION ENDED ME → UICC → ME ME → UICC ME ME → UICC → ME TERMINAL RESPONSE: RUN AT COMMAND RUN AT COMMAND 3.6.1 DROACTIVE UICC SESSION ENDED TERMINAL RESPONSE: RUN AT COMMAND RUN AT COMMAND 3.6.1 Display "Run AT COMMAND RUN AT COMMAND 3.6.1 Display "Run AT Command 1" UICC → ME TERMINAL RESPONSE: RUN AT COMMAND 3.6.3 TERMINAL RESPONSE: RUN AT COMMAND 3.6.3 DISPLAY TERMINAL RESPONSE: RUN AT COMMAND 3.6.3 DISPLAY ME → UICC ME → UICC → ME TERMINAL RESPONSE: RUN AT COMMAND 3.6.3 Display "Run AT COMMAND RUN AT COMMAND 3.6.3 Display "Run AT COMMAND RUN AT COMMAND 3.6.3 Display "Run AT COMMAND RUN AT COMMAND 3.6.3 Display "Run AT COMMAND RUN AT COMMAND 3.6.3 Display "Run AT COMMAND RUN AT COMMAND 3.6.3 Display "Run AT COMMAND RUN AT COMMAND 3.6.3 Display "Run AT COMMAND RUN AT COMMAND 3.6.3 Display "Run AT COMMAND RUN AT COMMAND 3.6.3 Display "Run AT COMMAND RUN AT COMMAND 3.6.3 Display "Run AT COMMAND RUN AT COMMAND 3.6.3 Display "Run AT COMMAND RUN AT COMMAND 3.6.3 Display "Run AT COMMAND RUN AT COMMAND 3.6.3 Display "Run AT COMMAND RUN AT COMMAND 3.6.3 Display "Run AT COMMAND RUN AT COMMAND 3.6.3 Display "Run AT COMMAND RUN AT COMMAND 3.6.3 Display "Run AT COMMAND RUN AT COMMAND 3.6.3 Display "Run AT COMMAND RUN AT COMMAND 3.6.3 Display "Run AT COMMAND RUN AT COMMAND 3.6.3 Display "Run AT COMMAND 3.6.3 Display "Run AT COMMAND 3.6.3 Display "Run AT COMMAND RUN AT COMMAND 3.6.3 Display "Run AT COMMAND RUN AT COMMAND 3.6.3 Display "Run AT COMMAND RUN AT COMMAND 3.6.3 Display "Run AT COMMAND RUN AT COMMAND 3.6.3 Display "Run AT COMMAND RUN AT | 4 | ME (| | Salpha identifier is displayed with hold on |
| TERMINAL RESPONSE: RUN AT COMMAND 3.6.1 Command performed successfully, AT COMMAND 3.6.1 Command performed successfully, AT Response containing IMSI] | | , | Display Train 711 Command 1 | |
| COMMAND 3.6.1 PROACTIVE UICC SESSION ENDED PROACTIVE COMMAND PROBLING: RUN AT COMMAND 3.6.2 8 ME → UICC → ME 9 UICC → ME 10 ME (→ USER) 11 ME → UICC → ME 12 UICC → ME 13 UICC → ME 14 ME → UICC → ME 15 UICC → ME 16 ME (→ UICC → ME 17 ME → UICC 18 ME → UICC → ME 18 ME → UICC → ME 19 WICC → ME 10 ME (→ UICC → ME 11 ME → UICC → ME 12 UICC → ME 13 UICC → ME 14 ME → UICC → ME 15 UICC → ME 16 ME (→ UICC → ME 17 ME → UICC 18 ME → UICC 19 PROACTIVE COMMAND RUN AT COMMAND 3.6.1 10 Display "Run AT COMMAND RUN AT COMMAND 3.6.1 11 ME (→ UICC → ME 12 UICC → ME 13 UICC → ME 14 ME → UICC 15 UICC → ME 16 ME (→ UICC → ME 17 ME → UICC 18 WE → UICC 19 PROACTIVE UICC SESSION ENDED 19 UICC → ME 10 UICC → ME 11 ME → UICC 11 UICC → ME 12 ME → UICC 13 ME → UICC 14 UICC → ME 15 UICC → ME 16 ME → UICC 17 ME → UICC 18 ME → UICC 18 ME → UICC 19 ME → UICC 19 ME → UICC 20 ME → UICC 21 UICC → ME 22 ME (→ UICC → ME 23 ME → UICC 24 UICC → ME 24 UICC → ME 25 ME → UICC 26 ME → UICC 27 ME → UICC 28 ME → UICC 29 ME → UICC 20 ME → UICC 20 ME → UICC 20 ME → UICC 21 UICC → ME 21 UICC → ME 22 ME (→ UICC → ME 23 ME → UICC 24 UICC → ME 24 UICC → ME 25 ME (→ UICC → ME 26 ME → UICC 27 ME → UICC → ME 27 ME → UICC 28 ME → UICC 29 ME → UICC 29 ME → UICC 20 ME → UICC 20 ME → UICC 20 ME → UICC 20 ME → UICC 21 ME → UICC 21 ME → UICC 22 ME (→ UICC → ME 23 ME → UICC 24 UICC → ME 25 ME (→ UICC → ME 26 ME → UICC 27 ME (→ UICC → ME 27 ME (→ UICC → ME 28 ME (→ UICC → ME 29 ME (→ UICC → ME 20 ME (→ UICC → ME 20 ME (→ UICC → ME 20 ME (→ UICC → ME 20 ME (→ UICC → ME 21 ME (→ UICC → ME 21 ME (→ UICC → ME 21 ME (→ UICC → ME 22 ME (→ UICC → ME 24 UICC → ME 26 ME (→ UICC → ME 27 ME (→ UICC → ME 28 ME (→ UICC → ME 29 ME (→ UICC → ME 20 ME (→ UICC → ME 20 | 5 | • | TERMINAL RESPONSE: RUN AT | [Command performed successfully, AT |
| The first section of the firs | | | COMMAND 3.6.1 | Response containing IMSI] |
| 7 UICC → ME PROACTIVE COMMAND PENDING: RUN AT COMMAND 3.6.2 8 ME → UICC 9 UICC → ME PROACTIVE COMMAND: RUN AT COMMAND 3.6.2 10 ME (→ USER) 11 ME → UICC 12 UICC → ME PROACTIVE UICC SESSION ENDED 13 UICC → ME PROACTIVE COMMAND RUN AT COMMAND 3.6.1 14 ME → UICC 15 UICC → ME PROACTIVE COMMAND RUN AT COMMAND 3.6.1 16 ME (→ USER) 17 ME → UICC 18 UICC → ME PROACTIVE COMMAND: RUN AT COMMAND 3.6.1 18 UICC → ME PROACTIVE COMMAND RUN AT COMMAND 3.6.1 19 UICC → ME PROACTIVE COMMAND RUN AT COMMAND 3.6.1 19 UICC → ME PROACTIVE COMMAND RUN AT COMMAND 3.6.3 20 ME → UICC 21 UICC → ME PROACTIVE COMMAND RUN AT COMMAND 3.6.3 22 ME → UICC 23 ME → UICC 24 UICC → ME PROACTIVE COMMAND: RUN AT COMMAND 3.6.3 25 ME → UICC 26 ME → UICC 27 UICC → ME PROACTIVE COMMAND RUN AT COMMAND 3.6.3 28 ME → UICC 29 ME → UICC 20 ME → UICC 20 ME → UICC 21 UICC → ME PROACTIVE COMMAND RUN AT COMMAND 3.6.3 22 ME → UICC 23 ME → UICC 24 UICC → ME PROACTIVE COMMAND: RUN AT COMMAND 3.6.3 26 ME → UICC 27 UICC → ME PROACTIVE COMMAND RUN AT COMMAND 3.6.3 28 ME → UICC 29 ME → UICC 20 ME → UICC 20 ME → UICC 21 UICC → ME PROACTIVE COMMAND RUN AT COMMAND 3.6.3 22 ME → UICC 23 ME → UICC 24 UICC → ME PROACTIVE COMMAND: RUN AT COMMAND 3.6.1 25 ME → UICC 26 ME → UICC 27 UICC → ME PROACTIVE COMMAND RUN AT COMMAND 3.6.3 28 ME → UICC 29 ME → UICC 20 ME → UICC 30 ME → UICC 31 COMMAND 3.6.1 32 ME → UICC 33 ME → UICC 34 ME → UICC 35 ME → UICC 36 ME → UICC 36 ME → UICC 37 ME → UICC 38 ME → UICC 38 ME → UICC 39 ME → UICC 30 ME → UICC 30 ME → UICC 30 ME → UICC 31 ME → UICC 31 ME → UICC 31 ME → UICC 32 ME → UICC 33 ME → UICC 34 ME → UICC 35 ME → UICC 36 ME → UICC 36 ME → UICC 37 ME → UICC 38 ME → UICC 38 ME → UICC 39 ME → UICC 30 ME → UICC 30 ME → UICC 30 ME → UICC 31 ME → UICC 31 ME → UICC 31 ME → UICC 31 ME → UICC 32 ME → UICC 33 ME → UICC 34 ME → UICC 36 ME → UICC 36 ME → UICC 37 ME → UICC 38 ME → UICC 39 ME → UICC 30 M | 6 | $UICC \to ME$ | | |
| PENDING: RUN AT COMMAND 3.6.2 FETCH PROACTIVE COMMAND: RUN AT COMMAND 3.6.2 Display "Run AT Command 2" [alpha identifier is displayed with bold off, request IMSI] Command performed successfully, AT COMMAND 3.6.1 TERMINAL RESPONSE: RUN AT COMMAND 3.6.1 PROACTIVE UICC SESSION ENDED PROACTIVE COMMAND 3.6.1 PROACTIVE COMMAND 3.6.1 Display "Run AT COMMAND 3.6.1 Display "Run AT COMMAND 3.6.1 Display "Run AT COMMAND 3.6.1 Display "Run AT COMMAND 3.6.1 TERMINAL RESPONSE: RUN AT COMMAND 3.6.1 Display "Run AT COMMAND 3.6.1 TERMINAL RESPONSE: RUN AT COMMAND 3.6.3 TERMINAL RESPONSE: RUN AT COMMAND 3.6.3 Response containing IMSI] Command performed successfully, AT Response containing IM | 7 | | | |
| 8 ME → UICC 9 UICC → ME 10 ME (→ USER) 11 ME → UICC 12 UICC → ME 13 UICC → ME 14 ME → UICC 15 UICC → ME 16 ME (→ USER) 17 ME → UICC 18 UICC → ME 19 UICC → ME 19 UICC → ME 10 ME → UICC 11 UICC → ME 11 ME → UICC 12 UICC → ME 13 UICC → ME 14 ME → UICC 15 UICC → ME 16 ME (→ USER) 17 ME → UICC 18 UICC → ME 19 UICC → ME 10 UICC → ME 11 | / | $UICC \to ME$ | | |
| 8 | | | | |
| 9 UICC → ME AT COMMAND: RUN AT COMMAND 3.6.2 10 ME (→ USER) 11 ME → UICC 12 UICC → ME PROACTIVE UICC SESSION ENDED 13 UICC → ME PROACTIVE COMMAND 14 ME → UICC 15 UICC → ME PROACTIVE COMMAND 16 ME (→ USER) 17 ME → UICC 18 UICC → ME PROACTIVE COMMAND: RUN AT COMMAND 3.6.1 18 UICC → ME PROACTIVE UICC SESSION ENDED 19 UICC → ME PROACTIVE UICC SESSION ENDED 19 UICC → ME PROACTIVE UICC SESSION ENDED 19 UICC → ME PROACTIVE UICC SESSION ENDED 20 ME → UICC 21 UICC → ME PROACTIVE COMMAND RUN AT COMMAND 3.6.3 20 ME → UICC → ME PROACTIVE COMMAND RUN AT COMMAND 3.6.3 20 ME → UICC → ME PROACTIVE COMMAND RUN AT COMMAND 3.6.3 20 ME → UICC → ME PROACTIVE COMMAND RUN AT COMMAND 3.6.3 21 ME → UICC → ME PROACTIVE COMMAND RUN AT COMMAND 3.6.3 22 ME (→ USER) 23 ME → UICC → ME PROACTIVE COMMAND RUN AT COMMAND 3.6.3 24 UICC → ME PROACTIVE COMMAND RUN AT COMMAND 3.6.3 25 ME → UICC → ME PROACTIVE COMMAND RUN AT COMMAND 3.6.3 26 ME → UICC → ME PROACTIVE COMMAND RUN AT COMMAND 3.6.3 27 ME (→ USER) 28 ME → UICC → ME PROACTIVE COMMAND RUN AT COMMAND 3.6.1 29 ME (→ USER) 10 ME → UICC → ME PROACTIVE COMMAND RUN AT COMMAND 3.6.3 20 ME → UICC → ME PROACTIVE COMMAND RUN AT COMMAND 3.6.3 21 ME (→ USER) 22 ME (→ USER) 23 ME (→ USER) 24 UICC → ME PROACTIVE UICC SESSION | 8 | $ME \rightarrow UICC$ | | |
| AT COMMAND 3.6.2 Display "Run AT Command 2" USER) ME → UICC UICC → ME UICC → ME 13 UICC → ME PROACTIVE UICC SESSION ENDED PROACTIVE COMMAND 3.6.1 FETCH PROACTIVE COMMAND AT COMMAND 3.6.1 Display "Run AT COMMAND 3.6.1 FETCH PROACTIVE COMMAND AT COMMAND 3.6.1 ME ← UICC UICC → ME TERMINAL RESPONSE: RUN AT COMMAND 3.6.1 TERMINAL RESPONSE: RUN AT COMMAND 3.6.1 TERMINAL RESPONSE: RUN AT COMMAND 3.6.1 Response containing IMSI] [alpha identifier is displayed with bold on, request IMSI] [Command performed successfully, AT Response containing IMSI] [alpha identifier is displayed with bold on, request IMSI] [Command performed successfully, AT Response containing IMSI] [alpha identifier is displayed with bold on, request IMSI] [Command performed successfully, AT Response containing IMSI] [alpha identifier is displayed with bold off, request IMSI] [Command performed successfully, AT Response containing IMSI] [alpha identifier is displayed with bold off, request IMSI] [Command performed successfully, AT Response containing IMSI] [alpha identifier is displayed with bold off, request IMSI] [Command performed successfully, AT Response containing IMSI] | | | PROACTIVE COMMAND: RUN | |
| USER) 11 | | | AT COMMAND 3.6.2 | |
| 11 ME → UÍCC TERMINAL RESPONSE: RUN AT COMMAND 3.6.1 PROACTIVE UICC SESSION ENDED PROACTIVE COMMAND PENDING: RUN AT COMMAND 3.6.1 14 ME → UICC 15 UICC → ME ME (→ USER) 17 ME → UICC TERMINAL RESPONSE: RUN AT Response containing IMSI] 18 UICC → ME 19 UICC → ME PROACTIVE COMMAND TOMAND TOMAND AT COMMAND 3.6.1 PROACTIVE UICC SESSION ENDED PROACTIVE UICC SESSION ENDED 19 UICC → ME PROACTIVE UICC SESSION ENDED PROACTIVE UICC SESSION ENDED PROACTIVE UICC SESSION ENDED PROACTIVE COMMAND AT COMMAND AS.3.3 20 ME → UICC 21 UICC → ME PROACTIVE COMMAND RUN AT COMMAND 3.6.3 PETCH PROACTIVE COMMAND RUN AT COMMAND 3.6.3 PETCH PROACTIVE COMMAND RUN AT COMMAND 3.6.3 Display "Run AT Command 3" [alpha identifier is displayed with bold off, request IMSI] [Command performed successfully, AT Response containing IMSI] [alpha identifier is displayed with bold off, request IMSI] [Command performed successfully, AT Response containing IMSI] | 10 | | Display "Run AT Command 2" | |
| 12 UICC → ME PROACTIVE UICC SESSION ENDED PROACTIVE COMMAND 3.6.1 13 UICC → ME PROACTIVE COMMAND PROBING: RUN AT COMMAND 3.6.1 14 ME → UICC UICC → ME PROACTIVE COMMAND: RUN AT COMMAND 3.6.1 16 ME (→ USER) 17 ME → UICC TERMINAL RESPONSE: RUN AT COMMAND 3.6.1 18 UICC → ME PROACTIVE UICC SESSION ENDED 19 UICC → ME PROACTIVE UICC SESSION ENDED 19 UICC → ME PROACTIVE COMMAND PENDING: RUN AT COMMAND 3.6.3 20 ME → UICC TETCH PROACTIVE COMMAND 3.6.3 21 ME (→ USER) 22 ME (→ USER) 23 ME (→ USER) 24 UICC → ME PROACTIVE COMMAND 3.6.1 25 ME (→ USER) 26 ME (→ USER) 27 ME (→ USER) 28 ME (→ USER) 29 ME (→ USER) 20 ME (→ USER) 20 ME (→ USER) 21 UICC → ME PROACTIVE COMMAND: RUN AT COMMAND 3.6.3 22 ME (→ USER) 23 ME (→ USER) 24 UICC → ME PROACTIVE UICC SESSION 25 ME (→ USER) 26 ME (→ USER) 27 ME (→ USER) 28 ME (→ USER) 29 ME (→ USER) 20 ME (→ USER) 20 ME (→ USER) 21 UICC → ME PROACTIVE COMMAND: RUN AT COMMAND 3.6.1 22 ME (→ USER) 23 ME (→ USER) 24 UICC → ME PROACTIVE UICC SESSION 25 ME (→ USER) 26 ME (→ USER) 27 ME (→ USER) 28 ME (→ USER) 29 ME (→ USER) 20 ME (→ USER) 20 ME (→ USER) 21 ME (→ USER) 22 ME (→ USER) 23 ME (→ USER) 24 UICC → ME PROACTIVE UICC SESSION | | • | TERMINAL RESPONDE DUNGAT | |
| 12 UICC → ME PROACTIVE UICC SESSION ENDED 13 UICC → ME PROACTIVE COMMAND PENDING: RUN AT COMMAND 3.6.1 14 ME → UICC 15 UICC → ME PROACTIVE COMMAND: RUN AT COMMAND 3.6.1 16 ME (→ USER) 17 ME → UICC 18 UICC → ME PROACTIVE COMMAND: RUN AT COMMAND 3.6.1 18 UICC → ME PROACTIVE UICC SESSION ENDED 19 UICC → ME PROACTIVE UICC SESSION ENDED PROACTIVE COMMAND 3.6.3 20 ME → UICC 21 UICC → ME PROACTIVE COMMAND PENDING: RUN AT COMMAND 3.6.3 20 ME → UICC 21 UICC → ME PROACTIVE COMMAND: RUN AT COMMAND 3.6.3 22 ME (→ USER) 23 ME → UICC 24 UICC → ME 19 UICC → ME PROACTIVE COMMAND: RUN AT COMMAND 3.6.3 26 ME → UICC 27 UICC → ME PROACTIVE COMMAND: RUN AT COMMAND 3.6.3 28 ME (→ USER) 29 ME (→ USER) 20 ME (→ USER) 20 ME (→ USER) 21 UICC → ME PROACTIVE COMMAND: RUN AT COMMAND 3.6.3 22 ME (→ USER) 23 ME (→ UICC 24 UICC → ME PROACTIVE UICC SESSION | 11 | $ME \rightarrow UICC$ | | |
| INDED PROACTIVE COMMAND PENDING: RUN AT COMMAND S.6.1 | 12 | LUCC ME | | Response containing initial |
| 13 UICC → ME PROACTIVE COMMAND PENDING: RUN AT COMMAND 3.6.1 14 ME → UICC → ME PROACTIVE COMMAND: RUN AT COMMAND 3.6.1 16 ME (→ Display "Run AT Command 1" [alpha identifier is displayed with bold on, request IMSI] 17 ME → UICC → ME TERMINAL RESPONSE: RUN AT COMMAND 3.6.1 18 UICC → ME PROACTIVE UICC SESSION ENDED PROACTIVE COMMAND PENDING: RUN AT COMMAND 3.6.3 19 UICC → ME PROACTIVE COMMAND PENDING: RUN AT COMMAND 3.6.3 20 ME → UICC → ME PROACTIVE COMMAND AT COMMAND 3.6.3 21 Display "Run AT Command 3" [alpha identifier is displayed with bold off, request IMSI] 22 ME (→ UICC → ME TERMINAL RESPONSE: RUN AT COMMAND 3.6.1 23 ME → UICC → ME TERMINAL RESPONSE: RUN AT COMMAND 3.6.1 24 UICC → ME PROACTIVE UICC SESSION | 12 | OICC IVIL | | |
| 14 ME → UICC 15 ME (→ UICC → ME) 16 ME (→ USER) 17 ME → UICC 18 UICC → ME 19 UICC → ME 19 UICC → ME 19 UICC → ME 20 ME → UICC 21 UICC → ME 21 UICC → ME 22 ME (→ USER) 23 ME → UICC 24 UICC → ME 24 UICC → ME 25 ME → UICC 26 ME 27 ME (→ USER) 28 ME → UICC 29 ME (→ USER) 29 ME → UICC 20 ME (→ USER) 20 ME (→ USER) 21 ME (→ USER) 23 ME → UICC 24 UICC → ME 25 ME (→ USER) 26 ME → UICC 27 ME (→ USER) 28 ME → UICC 29 ME (→ USER) 29 ME (→ USER) 20 ME (→ USER) 20 ME (→ USER) 21 ME (→ USER) 23 ME (→ UICC → ME) 24 ME (→ UICC → ME) 25 ME (→ UICC → ME) 26 ME (→ UICC → ME) 27 ME (→ USER) 28 ME (→ UICC → ME) 29 ME (→ UICC → ME) 20 ME (→ USER) 21 ME (→ UICC → ME) 22 ME (→ USER) 23 ME (→ UICC → ME) 24 ME (→ UICC → ME) 25 ME (→ UICC → ME) 26 ME (→ UICC → ME) 27 ME (→ UICC → ME) 28 ME (→ UICC → ME) 29 ME (→ UICC → ME) 20 ME (→ UICC → ME) 21 ME (→ UICC → ME) 22 ME (→ UICC → ME) 23 ME (→ UICC → ME) 24 ME (→ UICC → ME) 25 ME (→ UICC → ME) 26 ME (→ UICC → ME) 27 ME (→ UICC → ME) 28 ME (→ UICC → ME) 29 ME (→ UICC → ME) 20 ME (→ UICC → ME) 20 ME (→ UICC → ME) 21 ME (→ UICC → ME) 22 ME (→ UICC → ME) 23 ME (→ UICC → ME) 24 ME (→ UICC → ME) 25 ME (→ UICC → ME) 26 ME (→ UICC → ME) 27 ME (→ UICC → ME) 28 ME (→ UICC → ME) 29 ME (→ UICC → ME) 20 ME (→ UICC → ME) 20 ME (→ UICC → ME) 20 ME (→ UICC → ME) 21 ME (→ UICC → ME) 22 ME (→ UICC → ME) 23 ME (→ UICC → ME) 24 ME (→ UICC → ME) 25 ME (→ UICC → ME) 26 ME (→ UICC → ME) 27 ME (→ UICC → ME) 28 ME (→ UICC → ME) 29 ME (→ UICC → ME) 20 ME (→ UICC → ME) 20 ME (→ UICC → ME) 20 ME (→ UICC → ME) 21 ME (→ UICC → ME) 22 ME (→ UICC → ME) 23 ME (→ UICC → ME) 24 ME (→ UICC → ME) 25 ME (→ UICC → ME) 26 ME (→ UICC → ME) 27 ME (→ UICC → ME) 28 ME (→ UICC → ME) 29 ME (→ UICC → ME) 20 ME (→ UICC → ME) 20 ME (→ UICC → ME) 21 ME (→ UICC → ME) 21 ME (→ UICC → ME) 22 ME (→ UICC → ME) 23 ME (→ UICC → ME) 24 ME (→ UICC → ME) 25 ME (→ UICC → ME) 26 ME (→ UICC → ME) 27 ME (→ UICC → ME) 28 ME (→ UICC → ME) 29 ME (→ UICC → ME) 20 ME (→ UICC → ME) 20 ME (→ UICC → ME) 20 ME (→ UICC → ME) 21 ME (→ UICC → ME) 21 ME (→ UICC → M | 13 | $UICC \to ME$ | | |
| 14 ME → UICC 15 UICC → ME 16 ME (→ USER) 17 ME → UICC 18 UICC → ME 19 UICC → ME 20 ME → UICC 21 UICC → ME 21 ME (→ USER) 22 ME (→ USER) 23 ME → UICC 24 UICC → ME 24 UICC → ME 25 ME → UICC 26 ME → UICC 27 ME → UICC 28 ME → UICC 29 ME → UICC 20 ME → UICC 21 UICC → ME 20 ME → UICC 21 UICC → ME 21 ME (→ USER) 22 ME (→ USER) 23 ME → UICC 24 UICC → ME 25 ME → UICC 26 ME → UICC 27 ME (→ USER) 28 ME → UICC 29 ME → UICC 29 ME → UICC 20 ME → UICC 20 ME → UICC 21 UICC → ME 21 ME (→ USER) 22 ME (→ USER) 23 ME → UICC 24 UICC → ME 25 ME → UICC 26 ME → UICC 27 ME (→ USER) 28 ME → UICC 29 ME → UICC 29 ME → UICC 20 ME → UICC 20 ME → UICC 21 ME (→ USER) 22 ME (→ USER) 23 ME → UICC 24 UICC → ME 25 ME → UICC 26 ME → UICC 27 ME (→ USER) 28 ME → UICC 29 ME → UICC 29 ME → UICC 20 ME → UICC 20 ME → UICC 21 ME (→ USER) 22 ME → UICC 23 ME → UICC 24 UICC → ME 25 ME → UICC 26 ME → UICC 27 ME (→ USER) 28 ME → UICC 29 ME → UICC 20 ME → UICC 20 ME → UICC 21 ME → UICC 21 ME → UICC 22 ME (→ USER) 23 ME → UICC 24 ME (→ USER) 25 ME → UICC 26 ME → UICC 27 ME (→ USER) 28 ME → UICC 29 ME (→ USER) 20 ME → UICC 20 ME (→ USER) 21 ME → UICC 21 ME (→ USER) 22 ME (→ USER) 23 ME → UICC 24 ME (→ USER) 25 ME → UICC 26 ME (→ USER) 26 ME → UICC 27 ME (→ USER) 28 ME → UICC 29 ME (→ USER) 20 ME → UICC 20 ME (→ USER) 21 ME → UICC 21 ME (→ USER) 22 ME (→ USER) 23 ME → UICC 24 ME (→ USER) 25 ME → UICC 26 ME (→ USER) 26 ME → UICC 27 ME (→ USER) 27 ME (→ USER) 28 ME → UICC 29 ME (→ USER) 29 ME → UICC 20 ME (→ USER) 20 ME → UICC 21 ME (→ USER) 20 ME → UICC 21 ME (→ USER) 21 ME → UICC 22 ME (→ USER) 23 ME → UICC 24 ME (→ USER) 24 ME (→ USER) 25 ME → UICC 26 ME (→ USER) 26 ME → UICC 27 ME (→ USER) 27 ME (→ USER) 28 ME → UICC 29 ME (→ USER) 29 ME → UICC 20 ME (→ USER) 20 ME → UICC 21 ME (→ USER) 20 ME → UICC 21 ME (→ USER) 21 ME → UICC 22 ME (→ USER) 23 ME (→ USER) 24 ME (→ USER) 25 ME (→ USER) 26 ME (→ USER) 26 ME (→ USER) 27 ME (→ USER) 28 ME (→ USER) 29 ME (→ USER) 20 ME (→ USER) 20 ME (→ USER) 20 ME (→ USER) 20 ME (→ USER) 21 ME (→ USER) 21 ME (→ USER) 21 ME (→ USE | | | PENDING: RUN AT COMMAND | |
| 15 UICC → ME AT COMMAND: RUN AT COMMAND 3.6.1 16 ME (→ USER) 17 ME → UICC 18 UICC → ME PROACTIVE COMMAND TOMMAND 3.6.1 19 UICC → ME PROACTIVE UICC SESSION ENDED 19 UICC → ME PROACTIVE COMMAND PENDING: RUN AT COMMAND 3.6.3 20 ME → UICC 21 UICC → ME PROACTIVE COMMAND: RUN AT COMMAND 3.6.3 22 ME (→ USER) 23 ME → UICC 24 UICC → ME 25 ME → UICC 26 ME → UICC 27 ME → UICC 28 ME → UICC 29 ME → UICC 20 ME → UICC 20 ME → UICC 21 Display "Run AT Command 3" [alpha identifier is displayed with bold off, request IMSI] [Command performed successfully, AT Response containing IMSI] [Command performed successfully, AT Response containing IMSI] | | | | |
| AT COMMAND 3.6.1 ME (→ USER) | | | | |
| 16 ME (→ USER) 17 ME → UICC 18 UICC → ME 19 UICC → ME 20 ME → UICC 21 UICC → ME 22 ME (→ USER) 23 ME → UICC 24 UICC → ME 24 UICC → ME 25 ME (→ USER) 26 ME → UICC 27 TERMINAL RESPONSE: RUN AT COMMAND 1.6.1 [alpha identifier is displayed with bold on, request IMSI] [Command performed successfully, AT Response containing IMSI] [Command performed successfully, AT Response containing IMSI] [Alpha identifier is displayed with bold on, request IMSI] [Command performed successfully, AT Response containing IMSI] [Alpha identifier is displayed with bold off, request IMSI] [Alpha identifier is displayed with bold off, request IMSI] [Command performed successfully, AT Response containing IMSI] | 15 | $DICC \to ME$ | | |
| USER) ME → UICC ME → UICC ME → UICC → ME PROACTIVE UICC SESSION ENDED PROACTIVE COMMAND 3.6.3 PROACTIVE COMMAND 3.6.3 PROACTIVE COMMAND PENDING: RUN AT COMMAND 3.6.3 PROACTIVE COMMAND: RUN AT COMMAND 3.6.3 Display "Run AT Command 3" ME → UICC ME → UICC TERMINAL RESPONSE: RUN AT COMMAND 3.6.1 ME → UICC TERMINAL RESPONSE: RUN AT COMMAND 3.6.1 TERMINAL RESPONSE: RUN AT COMMAND 3.6.1 TERMINAL RESPONSE: RUN AT COMMAND 3.6.1 PROACTIVE UICC SESSION TERMINAL RESPONSE: RUN AT COMMAND 3.6.1 PROACTIVE UICC SESSION | 16 | ME (| | Salpha identifier is displayed with hold on |
| 17 ME → UICC TERMINAL RESPONSE: RUN AT COMMAND 3.6.1 18 UICC → ME PROACTIVE UICC SESSION ENDED 19 UICC → ME PROACTIVE COMMAND PENDING: RUN AT COMMAND 3.6.3 20 ME → UICC 21 UICC → ME PROACTIVE COMMAND: RUN AT COMMAND 3.6.3 22 ME (→ USER) 23 ME → UICC ME → UICC TERMINAL RESPONSE: RUN AT Command performed successfully, AT Response containing IMSI] [Command performed successfully, AT Response containing IMSI] [Command performed successfully, AT Response containing IMSI] | 10 | | Bioplay Ruit / Command 1 | |
| 18 UICC → ME PROACTIVE UICC SESSION ENDED 19 UICC → ME PROACTIVE COMMAND PENDING: RUN AT COMMAND 3.6.3 20 ME → UICC 21 UICC → ME PROACTIVE COMMAND: RUN AT COMMAND 3.6.3 22 ME (→ USER) 23 ME → UICC UICC → ME PROACTIVE COMMAND: RUN AT COMMAND 3.6.1 24 UICC → ME PROACTIVE COMMAND TO [alpha identifier is displayed with bold off, request IMSI] [Command performed successfully, AT Response containing IMSI] | 17 | • | TERMINAL RESPONSE: RUN AT | |
| 19 UICC → ME PROACTIVE COMMAND PENDING: RUN AT COMMAND 3.6.3 20 ME → UICC 21 UICC → ME PROACTIVE COMMAND: RUN AT COMMAND 3.6.3 22 ME (→ USER) 23 ME → UICC TERMINAL RESPONSE: RUN AT COMMAND 3.6.1 24 UICC → ME PROACTIVE UICC SESSION Image: Command performed successfully, AT Response containing IMSI] | | | COMMAND 3.6.1 | Response containing IMSI] |
| 19 UICC → ME PROACTIVE COMMAND PENDING: RUN AT COMMAND 3.6.3 20 ME → UICC 21 UICC → ME PROACTIVE COMMAND: RUN AT COMMAND 3.6.3 22 ME (→ USER) 23 ME → UICC TERMINAL RESPONSE: RUN AT COMMAND 3.6.1 24 UICC → ME PROACTIVE COMMAND [alpha identifier is displayed with bold off, request IMSI] [Command performed successfully, AT Response containing IMSI] | 18 | $UICC \to ME$ | | |
| PENDING: RUN AT COMMAND 3.6.3 20 ME → UICC 21 UICC → ME PROACTIVE COMMAND: RUN AT COMMAND 3.6.3 22 ME (→ USER) 23 ME → UICC TERMINAL RESPONSE: RUN AT COMMAND 3.6.1 24 UICC → ME PROACTIVE UICC SESSION PROACTIVE UICC SESSION Command performed successfully, AT Response containing IMSI] | 40 | LUCO | | |
| 3.6.3 ME → UICC UICC → ME PROACTIVE COMMAND: RUN AT COMMAND 3.6.3 Display "Run AT Command 3" USER) ME → UICC TERMINAL RESPONSE: RUN AT COMMAND 3.6.1 PROACTIVE UICC SESSION [alpha identifier is displayed with bold off, request IMSI] [Command performed successfully, AT Response containing IMSI] | 19 | UICC → ME | | |
| 20 ME → UICC 21 VICC → ME 22 ME (→ USER) 23 ME → UICC 24 VICC → ME 25 PROACTIVE COMMAND: RUN AT COMMAND 3.6.3 Display "Run AT Command 3" [alpha identifier is displayed with bold off, request IMSI] [Command performed successfully, AT Response containing IMSI] | | | | |
| 21 UICC → ME PROACTIVE COMMAND: RUN AT COMMAND 3.6.3 22 ME (→ USER) 23 ME → UICC TERMINAL RESPONSE: RUN AT COMMAND 3.6.1 24 UICC → ME PROACTIVE COMMAND: RUN AT COMMAND 3.6.3 [alpha identifier is displayed with bold off, request IMSI] [Command performed successfully, AT Response containing IMSI] | 20 | $ME \rightarrow UICC$ | | |
| 22 ME (→ USER) 23 ME → UICC WE → UICC → ME USER) AT COMMAND 3.6.3 Display "Run AT Command 3" [alpha identifier is displayed with bold off, request IMSI] [Command performed successfully, AT Response containing IMSI] Response containing IMSI] | | | _ | |
| USER) ME → UICC TERMINAL RESPONSE: RUN AT COMMAND 3.6.1 PROACTIVE UICC SESSION Command performed successfully, AT Response containing IMSI] | | | | |
| 23 ME → UICC TERMINAL RESPONSE: RUN AT COMMAND 3.6.1 [Command performed successfully, AT Response containing IMSI] | 22 | | Display "Run AT Command 3" | 1 |
| 24 UICC → ME COMMAND 3.6.1 Response containing IMSI] | 00 | , | TERMINAL RESPONSE BUT AT | |
| 24 UICC → ME PROACTIVE UICC SESSION | 23 | $ME \rightarrow UICC$ | | |
| | 24 | UICC → ME | | |
| | | JIOO - IVIE | ENDED | |

PROACTIVE UICC COMMAND: RUN AT COMMAND 3.6.1

Logically:

Command details

Command number:

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: UICC Destination device: ME

Alpha Identifier

Alpha Identifier "Run AT Command 1"

AT Command

AT Command string: "AT+CIMI"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold On, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 2A | 81 | 03 | 01 | 34 | 00 | 82 | 02 | 81 | 82 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 52 | 75 | 6E | 20 | 41 | 54 | 20 | 43 | 6F | 6D | 6D |
| | 61 | 6E | 64 | 20 | 31 | A8 | 07 | 41 | 54 | 2B | 43 | 49 |
| | 4D | 49 | D0 | 04 | 00 | 10 | 10 | B4 | | | | |

PROACTIVE UICC COMMAND: RUN AT COMMAND 3.6.2

Logically:

Command details

Command number: 1

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: UICC Destination device: ME

Alpha Identifier

Alpha Identifier "Run AT Command 2"

AT Command

AT Command string: "AT+CIMI"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 2A | 81 | 03 | 01 | 34 | 00 | 82 | 02 | 81 | 82 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 52 | 75 | 6E | 20 | 41 | 54 | 20 | 43 | 6F | 6D | 6D |
| | 61 | 6E | 64 | 20 | 32 | A8 | 07 | 41 | 54 | 2B | 43 | 49 |
| | 4D | 49 | D0 | 04 | 00 | 10 | 00 | B4 | | | | |

PROACTIVE UICC COMMAND: RUN AT COMMAND 3.6.3

Logically:

Command details

Command number:

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: UICC Destination device: ME

Alpha Identifier

Alpha Identifier "Run AT Command 3"

AT Command

AT Command string: "AT+CIMI"

Coding:

| BER-TLV: | D0 | 24 | 81 | 03 | 01 | 34 | 00 | 82 | 02 | 81 | 82 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 52 | 75 | 6E | 20 | 41 | 54 | 20 | 43 | 6F | 6D | 6D |
| | 61 | 6E | 64 | 20 | 33 | A8 | 07 | 41 | 54 | 2B | 43 | 49 |
| | 4D | 49 | | | | | | | | | | |

TERMINAL RESPONSE: RUN AT COMMAND 3.6.1

Logically:

Command details

Command number:

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

AT Response

AT Response string: IMSI

Coding:

| BER-TLV: | 81 | 03 | 01 | 34 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | A9 | 08 | 09 | 10 | 10 | 10 | 32 | 54 | 76 | 98 | | |

27.22.4.23.3.6.5 Test requirement

The ME shall operate in the manner defined in expected sequence 3.6.

27.22.4.23.3.7 RUN AT COMMAND (support of Text Attribute – Italic On)

27.22.4.23.3.7.1 Definition and applicability

See clause 3.2.2.

27.22.4.23.3.7.2 Conformance requirement

The ME shall support the Proactive UICC: RUN AT COMMAND facility as defined in:

- TS 31.111 [15] clause 6.4.23, clause 6.6.23, clause 5.2, clause 6.8, clause 8.6, clause 8.7, clause 8.2, clause 8.40, clause 8.31, clause 8.41 and clause 8.70.

- TS 27.007 [18].

The terminal shall support the text attribute.

27.22.4.23.3.7.3 Test purpose

To verify that the ME responds to an AT Command contained within a RUN AT COMMAND with italic text attribute as though it were initiated by an attached TE, and returns an AT Response within a TERMINAL RESPONSE to the UICC.

27.22.4.23.3.7.4 Method of test

27.22.4.23.3.7.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

Prior to the test the ME shall be connected to the TE.

The TA-TE interface is set to 8-bit operation.

27.22.4.23.3.7.4.2 Procedure

Expected Sequence 3.7(RUN AT COMMAND, with alpha identifier presented, request IMSI, Text Attribute – Italic On)

| Step | Direction | MESSAGE / Action | Comments |
|------|-------------------------------|--|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: RUN AT COMMAND | |
| | NAT 11100 | 3.7.1 | |
| 2 | ME → UICC | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: RUN AT COMMAND 3.7.1 | |
| 4 | ME (→ | Display "Run AT Command 1" | [alpha identifier is displayed with italic on, |
| | USER) | Biopiay Train At Communic 1 | request IMSI] |
| 5 | ME → UICC | TERMINAL RESPONSE: RUN AT | [Command performed successfully, AT |
| | | COMMAND 3.7.1 | Response containing IMSI] |
| 6 | $UICC \to ME$ | PROACTIVE UICC SESSION | |
| _ | | ENDED | |
| 7 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: RUN AT COMMAND 3.7.2 | |
| 8 | ME → UICC | FETCH | |
| 9 | UICC → ME | PROACTIVE COMMAND: RUN | |
| | | AT COMMAND 3.7.2 | |
| 10 | $ME \left(ightarrow ight.$ | Display "Run AT Command 2" | [alpha identifier is displayed with italic off, |
| | USER) | | request IMSI] |
| 11 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: RUN AT | [Command performed successfully, AT |
| 12 | $UICC \to ME$ | COMMAND 3.7.1 PROACTIVE UICC SESSION | Response containing IMSI] |
| 12 | | ENDED | |
| 13 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: RUN AT COMMAND | |
| | | 3.7.1 | |
| 14 | ME → UICC | FETCH | |
| 15 | $UICC \to ME$ | PROACTIVE COMMAND: RUN AT COMMAND 3.7.1 | |
| 16 | ME (→ | Display "Run AT Command 1" | [alpha identifier is displayed with italic on, |
| | USER) | Display Marry Command | request IMSI] |
| 17 | ME → UICC | TERMINAL RESPONSE: RUN AT | [Command performed successfully, AT |
| | | COMMAND 3.7.1 | Response containing IMSI] |
| 18 | $UICC \to ME$ | PROACTIVE UICC SESSION | |
| 40 | LUCO ME | ENDED | |
| 19 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: RUN AT COMMAND | |
| | | 3.7.3 | |
| 20 | $ME \rightarrow UICC$ | FETCH | |
| 21 | $UICC \to ME$ | PROACTIVE COMMAND: RUN | |
| | | AT COMMAND 3.7.3 | |
| 22 | ME (→ | Display "Run AT Command 3" | [alpha identifier is displayed with italic off, |
| 22 | USER) | TERMINIAL DESCRIPTION AT | request IMSI] |
| 23 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: RUN AT COMMAND 3.7.1 | [Command performed successfully, AT Response containing IMSI] |
| 24 | $UICC \to ME$ | PROACTIVE UICC SESSION | Tresponse containing intoly |
| | JIGG / WIL | ENDED | |

PROACTIVE UICC COMMAND: RUN AT COMMAND 3.7.1

Logically:

Command details

Command number:

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: UICC Destination device: ME

Alpha Identifier

Alpha Identifier "Run AT Command 1"

AT Command

AT Command string: "AT+CIMI"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic On, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 2A | 81 | 03 | 01 | 34 | 00 | 82 | 02 | 81 | 82 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 52 | 75 | 6E | 20 | 41 | 54 | 20 | 43 | 6F | 6D | 6D |
| | 61 | 6E | 64 | 20 | 31 | A8 | 07 | 41 | 54 | 2B | 43 | 49 |
| | 4D | 49 | D0 | 04 | 00 | 10 | 20 | B4 | | | | |

PROACTIVE UICC COMMAND: RUN AT COMMAND 3.7.2

Logically:

Command details

Command number: 1

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: UICC Destination device: ME

Alpha Identifier

Alpha Identifier "Run AT Command 2"

AT Command

AT Command string: "AT+CIMI"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 2A | 81 | 03 | 01 | 34 | 00 | 82 | 02 | 81 | 82 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 52 | 75 | 6E | 20 | 41 | 54 | 20 | 43 | 6F | 6D | 6D |
| | 61 | 6E | 64 | 20 | 32 | A8 | 07 | 41 | 54 | 2B | 43 | 49 |
| | 4D | 49 | D0 | 04 | 00 | 10 | 00 | B4 | | | | |

PROACTIVE UICC COMMAND: RUN AT COMMAND 3.7.3

Logically:

Command details

Command number:

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: ME

Alpha Identifier

Alpha Identifier "Run AT Command 3"

AT Command

AT Command string: "AT+CIMI"

Coding:

| BER-TLV: | D0 | 24 | 81 | 03 | 01 | 34 | 00 | 82 | 02 | 81 | 82 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 52 | 75 | 6E | 20 | 41 | 54 | 20 | 43 | 6F | 6D | 6D |
| | 61 | 6E | 64 | 20 | 33 | A8 | 07 | 41 | 54 | 2B | 43 | 49 |
| | 4D | 49 | | | | | | | | | | |

TERMINAL RESPONSE: RUN AT COMMAND 3.7.1

Logically:

Command details

Command number:

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

AT Response

AT Response string: IMSI

Coding:

| BER-TLV: | 81 | 03 | 01 | 34 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | A9 | 08 | 09 | 10 | 10 | 10 | 32 | 54 | 76 | 98 | | |

27.22.4.23.3.7.5 Test requirement

The ME shall operate in the manner defined in expected sequence 3.7.

27.22.4.23.3.8 RUN AT COMMAND (support of Text Attribute – Underline On)

27.22.4.23.3.8.1 Definition and applicability

See clause 3.2.2.

27.22.4.23.3.8.2 Conformance requirement

The ME shall support the Proactive UICC: RUN AT COMMAND facility as defined in:

- TS 31.111 [15] clause 6.4.23, clause 6.6.23, clause 5.2, clause 6.8, clause 8.6, clause 8.7, clause 8.2, clause 8.40, clause 8.31, clause 8.41 and clause 8.70.

- TS 27.007 [18].

The terminal shall support the text attribute.

27.22.4.23.3.8.3 Test purpose

To verify that the ME responds to an AT Command contained within a RUN AT COMMAND with underline text attribute as though it were initiated by an attached TE, and returns an AT Response within a TERMINAL RESPONSE to the UICC.

27.22.4.23.3.8.4 Method of test

27.22.4.23.3.8.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

Prior to the test the ME shall be connected to the TE.

The TA-TE interface is set to 8-bit operation.

27.22.4.23.3.8.4.2 Procedure

Expected Sequence 3.8(RUN AT COMMAND, with alpha identifier presented, request IMSI, Text Attribute – Underline On)

| Step | Direction | MESSAGE / Action | Comments |
|----------|-----------------------|--|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: RUN AT COMMAND | |
| | NAT 11100 | 3.8.1 | |
| 2 | ME → UICC | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: RUN AT COMMAND 3.8.1 | |
| 4 | ME (→ | Display "Run AT Command 1" | [alpha identifier is displayed with underline on, |
| | USER) | Display Marry Command | request IMSI] |
| 5 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: RUN AT | [Command performed successfully, AT |
| | | COMMAND 3.8.1 | Response containing IMSI] |
| 6 | $UICC \to ME$ | PROACTIVE UICC SESSION | |
| 7 | LUCO ME | ENDED | |
| 7 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: RUN AT COMMAND | |
| | | 3.8.2 | |
| 8 | $ME \rightarrow UICC$ | FETCH | |
| 9 | $UICC \to ME$ | PROACTIVE COMMAND: RUN | |
| | | AT COMMAND 3.8.2 | |
| 10 | ME (→ | Display "Run AT Command 2" | [alpha identifier is displayed with underline off, |
| 11 | USER) | TERMINIAL DESPONSE, DUNIAT | request IMSI] [Command performed successfully, AT |
| 11 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: RUN AT COMMAND 3.8.1 | Response containing IMSI] |
| 12 | $UICC \to ME$ | PROACTIVE UICC SESSION | intesponse containing intoly |
| '- | 0.00 / | ENDED | |
| 13 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: RUN AT COMMAND | |
| 4.4 | NAT 11100 | 3.8.1 | |
| 14 15 | ME → UICC | FETCH PROACTIVE COMMAND: RUN | |
| 13 | $UICC \to ME$ | AT COMMAND 3.8.1 | |
| 16 | ME (→ | Display "Run AT Command 1" | [alpha identifier is displayed with underline on, |
| | USER) | | request IMSI] |
| 17 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: RUN AT | [Command performed successfully, AT |
| | | COMMAND 3.8.1 | Response containing IMSI] |
| 18 | $UICC \to ME$ | PROACTIVE UICC SESSION | |
| 19 | $UICC \to ME$ | PROACTIVE COMMAND | |
| 19 | | PENDING: RUN AT COMMAND | |
| | | 3.8.3 | |
| 20 | $ME \rightarrow UICC$ | FETCH | |
| 21 | $UICC \to ME$ | PROACTIVE COMMAND: RUN | |
| | | AT COMMAND 3.8.3 | |
| 22 | ME (→ | Display "Run AT Command 3" | [alpha identifier is displayed with underline off, |
| 23 | USER) | TERMINAL RESPONSE: RUN AT | request IMSI] [Command performed successfully, AT |
| 23 | $ME \rightarrow UICC$ | COMMAND 3.8.1 | Response containing IMSI] |
| 24 | $UICC \to ME$ | PROACTIVE UICC SESSION | response something more |
| | · ···- | ENDED | |

PROACTIVE UICC COMMAND: RUN AT COMMAND 3.8.1

Logically:

Command details

Command number:

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: UICC Destination device: ME

Alpha Identifier

Alpha Identifier "Run AT Command 1"

AT Command

AT Command string: "AT+CIMI"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline On,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 2A | 81 | 03 | 01 | 34 | 00 | 82 | 02 | 81 | 82 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 52 | 75 | 6E | 20 | 41 | 54 | 20 | 43 | 6F | 6D | 6D |
| | 61 | 6E | 64 | 20 | 31 | A8 | 07 | 41 | 54 | 2B | 43 | 49 |
| | 4D | 49 | D0 | 04 | 00 | 10 | 40 | B4 | | | | |

PROACTIVE UICC COMMAND: RUN AT COMMAND 3.8.2

Logically:

Command details

Command number: 1

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: UICC Destination device: ME

Alpha Identifier

Alpha Identifier "Run AT Command 2"

AT Command

AT Command string: "AT+CIMI"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 2A | 81 | 03 | 01 | 34 | 00 | 82 | 02 | 81 | 82 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| · | 10 | 52 | 75 | 6E | 20 | 41 | 54 | 20 | 43 | 6F | 6D | 6D |
| | 61 | 6E | 64 | 20 | 32 | A8 | 07 | 41 | 54 | 2B | 43 | 49 |
| | 4D | 49 | D0 | 04 | 00 | 10 | 00 | B4 | | | | |

PROACTIVE UICC COMMAND: RUN AT COMMAND 3.8.3

Logically:

Command details

Command number:

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: UICC Destination device: ME

Alpha Identifier

Alpha Identifier "Run AT Command 3"

AT Command

AT Command string: "AT+CIMI"

Coding:

| BER-TLV: | D0 | 24 | 81 | 03 | 01 | 34 | 00 | 82 | 02 | 81 | 82 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 52 | 75 | 6E | 20 | 41 | 54 | 20 | 43 | 6F | 6D | 6D |
| | 61 | 6E | 64 | 20 | 33 | A8 | 07 | 41 | 54 | 2B | 43 | 49 |
| | 4D | 49 | | | | | | | | | | |

TERMINAL RESPONSE: RUN AT COMMAND 3.8.1

Logically:

Command details

Command number:

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

AT Response

AT Response string: IMSI

Coding:

| BER-TLV: | 81 | 03 | 01 | 34 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | A9 | 08 | 09 | 10 | 10 | 10 | 32 | 54 | 76 | 98 | | |

27.22.4.23.3.8.5 Test requirement

The ME shall operate in the manner defined in expected sequence 3.8.

27.22.4.23.3.9 RUN AT COMMAND (support of Text Attribute – Strikethrough On)

27.22.4.23.3.9.1 Definition and applicability

See clause 3.2.2.

27.22.4.23.3.9.2 Conformance requirement

The ME shall support the Proactive UICC: RUN AT COMMAND facility as defined in:

- TS 31.111 [15] clause 6.4.23, clause 6.6.23, clause 5.2, clause 6.8, clause 8.6, clause 8.7, clause 8.2, clause 8.40, clause 8.31, clause 8.41 and clause 8.70.

- TS 27.007 [18].

The terminal shall support the text attribute.

27.22.4.23.3.9.3 Test purpose

To verify that the ME responds to an AT Command contained within a RUN AT COMMAND with strikethrough text attribute as though it were initiated by an attached TE, and returns an AT Response within a TERMINAL RESPONSE to the UICC.

27.22.4.23.3.9.4 Method of test

27.22.4.23.3.9.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

Prior to the test the ME shall be connected to the TE.

The TA-TE interface is set to 8-bit operation.

27.22.4.23.3.9.4.2 Procedure

Expected Sequence 3.9(RUN AT COMMAND, with alpha identifier presented, request IMSI, Text Attribute – Strikethrough On)

| Step | Direction | MESSAGE / Action | Comments |
|------|--|--|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: RUN AT COMMAND | |
| | ME | 3.9.1 | |
| 2 | ME → UICC | FETCH PROACTIVE COMMAND: RUN | |
| 3 | $UICC \to ME$ | AT COMMAND 3.9.1 | |
| 4 | ME (→ | Display "Run AT Command 1" | [alpha identifier is displayed with strikethrough |
| | USER) | Display Harry Command | on, request IMSI] |
| 5 | ME → UICC | TERMINAL RESPONSE: RUN AT | [Command performed successfully, AT |
| | | COMMAND 3.9.1 | Response containing IMSI] |
| 6 | $UICC \to ME$ | PROACTIVE UICC SESSION | |
| _ | | ENDED | |
| 7 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: RUN AT COMMAND 3.9.2 | |
| 8 | ME → UICC | FETCH | |
| 9 | UICC → ME | PROACTIVE COMMAND: RUN | |
| | 0.00 / | AT COMMAND 3.9.2 | |
| 10 | $ME \left(ightarrow ight.$ | Display "Run AT Command 2" | [alpha identifier is displayed with strikethrough |
| | USER) | | off, request IMSI] |
| 11 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: RUN AT | [Command performed successfully, AT |
| 40 | | COMMAND 3.9.1 | Response containing IMSI] |
| 12 | $UICC \to ME$ | PROACTIVE UICC SESSION ENDED | |
| 13 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: RUN AT COMMAND | |
| | | 3.9.1 | |
| 14 | $ME \rightarrow UICC$ | FETCH | |
| 15 | $UICC \to ME$ | PROACTIVE COMMAND: RUN | |
| 4.0 | | AT COMMAND 3.9.1 | |
| 16 | ME (→ | Display " Run AT Command 1" | [alpha identifier is displayed with strikethrough |
| 17 | $\begin{array}{c} USER)\\ ME \to UICC \end{array}$ | TERMINAL RESPONSE: RUN AT | on, request IMSI] [Command performed successfully, AT |
| '' | IVIE → UICC | COMMAND 3.9.1 | Response containing IMSI] |
| 18 | $UICC \to ME$ | PROACTIVE UICC SESSION | interpolice containing interp |
| | | ENDED | |
| 19 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: RUN AT COMMAND | |
| 00 | ME | 3.9.3 | |
| 20 | ME → UICC | PROACTIVE COMMAND: PUN | |
| 21 | $UICC \to ME$ | PROACTIVE COMMAND: RUN AT COMMAND 3.9.3 | |
| 22 | ME (→ | Display "Run AT Command 3" | [alpha identifier is displayed with strikethrough |
| | USER) | | off, request IMSI] |
| 23 | ME → UICC | TERMINAL RESPONSE: RUN AT | [Command performed successfully, AT |
| | | COMMAND 3.9.1 | Response containing IMSI] |
| 24 | $UICC \to ME$ | PROACTIVE UICC SESSION | |
| | | ENDED | |

PROACTIVE UICC COMMAND: RUN AT COMMAND 3.9.1

Logically:

Command details

Command number:

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: UICC Destination device: ME

Alpha Identifier

Alpha Identifier "Run AT Command 1"

AT Command

AT Command string: "AT+CIMI"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough On

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 2A | 81 | 03 | 01 | 34 | 00 | 82 | 02 | 81 | 82 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 52 | 75 | 6E | 20 | 41 | 54 | 20 | 43 | 6F | 6D | 6D |
| | 61 | 6E | 64 | 20 | 31 | A8 | 07 | 41 | 54 | 2B | 43 | 49 |
| | 4D | 49 | D0 | 04 | 00 | 10 | 80 | B4 | | | | |

PROACTIVE UICC COMMAND: RUN AT COMMAND 3.9.2

Logically:

Command details

Command number: 1

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: UICC Destination device: ME

Alpha Identifier

Alpha Identifier "Run AT Command 2"

AT Command

AT Command string: "AT+CIMI"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 2A | 81 | 03 | 01 | 34 | 00 | 82 | 02 | 81 | 82 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| - | 10 | 52 | 75 | 6E | 20 | 41 | 54 | 20 | 43 | 6F | 6D | 6D |
| | 61 | 6E | 64 | 20 | 32 | A8 | 07 | 41 | 54 | 2B | 43 | 49 |
| | 4D | 49 | D0 | 04 | 00 | 10 | 00 | B4 | | | | |

PROACTIVE UICC COMMAND: RUN AT COMMAND 3.9.3

Logically:

Command details

Command number:

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: UICC Destination device: ME

Alpha Identifier

Alpha Identifier "Run AT Command 3"

AT Command

AT Command string: "AT+CIMI"

Coding:

| BER-TLV: | D0 | 24 | 81 | 03 | 01 | 34 | 00 | 82 | 02 | 81 | 82 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 52 | 75 | 6E | 20 | 41 | 54 | 20 | 43 | 6F | 6D | 6D |
| | 61 | 6E | 64 | 20 | 33 | A8 | 07 | 41 | 54 | 2B | 43 | 49 |
| | 4D | 49 | | | | | | | | | | |

TERMINAL RESPONSE: RUN AT COMMAND 3.9.1

Logically:

Command details

Command number: 1

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

AT Response

AT Response string: IMSI

Coding:

| BER-TLV: | 81 | 03 | 01 | 34 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | A9 | 08 | 09 | 10 | 10 | 10 | 32 | 54 | 76 | 98 | | |

27.22.4.23.3.9.5 Test requirement

The ME shall operate in the manner defined in expected sequence 3.9.

27.22.4.23.3.10 RUN AT COMMAND (support of Text Attribute – Foreground and Background Colour)

27.22.4.23.3.10.1 Definition and applicability

See clause 3.2.2.

27.22.4.23.3.10.2 Conformance requirement

The ME shall support the Proactive UICC: RUN AT COMMAND facility as defined in:

- TS 31.111 [15] clause 6.4.23, clause 6.6.23, clause 5.2, clause 6.8, clause 8.6, clause 8.7, clause 8.2, clause 8.40, clause 8.31, clause 8.41 and clause 8.70.

- TS 27.007 [18].

The terminal shall support the text attribute.

27.22.4.23.3.10.3 Test purpose

To verify that the ME responds to an AT Command contained within a RUN AT COMMAND with foreground and background colour text attribute as though it were initiated by an attached TE, and returns an AT Response within a TERMINAL RESPONSE to the UICC.

27.22.4.23.3.10.4 Method of test

27.22.4.23.3.10.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

Prior to the test the ME shall be connected to the TE.

The TA-TE interface is set to 8-bit operation.

27.22.4.23.3.10.4.2 Procedure

Expected Sequence 3.10(RUN AT COMMAND, with alpha identifier presented, request IMSI, Text Attribute – Foreground and Background Colour)

| Step | Direction | MESSAGE / Action | Comments |
|------|-------------------------------|-----------------------------|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: RUN AT COMMAND | |
| | | 3.10.1 | |
| 2 | / 0.00 | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: RUN | |
| | | AT COMMAND 3.10.1 | |
| 4 | $ME \left(ightarrow ight.$ | Display "Run AT Command 1" | [alpha identifier is displayed with foreground |
| | USER) | | and background colour according to the text |
| _ | | TERMINAL RESPONDE DUNGAT | attribute configuration, request IMSI] |
| 5 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: RUN AT | [Command performed successfully, AT |
| | | COMMAND 3.10.1 | Response containing IMSI] |
| 6 | $UICC \to ME$ | PROACTIVE UICC SESSION | |
| 7 | UICC → ME | PROACTIVE COMMAND | |
| / | OICC → IVIE | PENDING: RUN AT COMMAND | |
| | | 3.10.2 | |
| 8 | ME → UICC | FETCH | |
| 9 | / 0.00 | PROACTIVE COMMAND: RUN | |
| | OICC - IVIL | AT COMMAND 3.10.2 | |
| 10 | ME (→ | Display "Run AT Command 2" | [alpha identifier is displayed with ME"s default |
| | USER) | Sieplay Train 711 Command 2 | foreground and background colour, request |
| | 002.1, | | IMSI] |
| 11 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: RUN AT | [Command performed successfully, AT |
| | | COMMAND 3.10.1 | Response containing IMSI] |
| 12 | $UICC \to ME$ | PROACTIVE UICC SESSION | |
| | | ENDED | |

PROACTIVE UICC COMMAND: RUN AT COMMAND 3.10.1

Logically:

Command details

Command number: 1

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: UICC Destination device: ME

Alpha Identifier

Alpha Identifier "Run AT Command 1"

AT Command

AT Command string: "AT+CIMI"

Text Attribute

Formatting position: 0

Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 2A | 81 | 03 | 01 | 34 | 00 | 82 | 02 | 81 | 82 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 10 | 52 | 75 | 6E | 20 | 41 | 54 | 20 | 43 | 6F | 6D | 6D |
| | 61 | 6E | 64 | 20 | 31 | A8 | 07 | 41 | 54 | 2B | 43 | 49 |
| | 4D | 49 | D0 | 04 | 00 | 10 | 00 | B4 | | | | |

PROACTIVE UICC COMMAND: RUN AT COMMAND 3.10.2

Logically:

Command details

Command number: 1

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: ME

Alpha Identifier

Alpha Identifier "Run AT Command 2"

AT Command

AT Command string: "AT+CIMI"

Coding:

| BER-TLV: | D0 | 24 | 81 | 03 | 01 | 34 | 00 | 82 | 02 | 81 | 82 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| · | 10 | 52 | 75 | 6E | 20 | 41 | 54 | 20 | 43 | 6F | 6D | 6D |
| | 61 | 6E | 64 | 20 | 32 | A8 | 07 | 41 | 54 | 2B | 43 | 49 |
| | 4D | 49 | | | | | | | | | | |

TERMINAL RESPONSE: RUN AT COMMAND 3.10.1

Logically:

Command details

Command number: 1

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

AT Response

AT Response string: IMSI

Coding:

| BER-TLV: | 81 | 03 | 01 | 34 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| <u></u> | Α9 | 08 | 09 | 10 | 10 | 10 | 32 | 54 | 76 | 98 | | |

27.22.4.23.3.10.5 Test requirement

The ME shall operate in the manner defined in expected sequence 3.10.

27.22.4.23.4 RUN AT COMMAND (UCS2 display in Cyrillic)

27.22.4.23.4.1 Definition and applicability

See clause 3.2.2.

27.22.4.23.4.2 Conformance requirement

The ME shall support the Proactive UICC: RUN AT COMMAND facility as defined in:

- TS 31.111 [15] clause 6.4.23, clause 6.6.23, clause 5.2, clause 6.8, clause 8.6, clause 8.7, clause 8.2, clause 8.40, clause 8.31, clause 8.41 and clause 8.70.
- TS 27.007 [18].

The terminal shall support the text attribute.

27.22.4.23.4.3 Test purpose

To verify that the ME responds to an AT Command contained within a RUN AT COMMAND with UCS2 alpha identifier as though it were initiated by an attached TE, and returns an AT Response within a TERMINAL RESPONSE to the UICC.

27.22.4.23.4.4 Method of test

27.22.4.23.4.4.1 Initial conditions

The ME is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

Prior to the test the ME shall be connected to the TE.

The TA-TE interface is set to 8-bit operation.

27.22.4.23.4.4.2 Procedure

Expected Sequence 4.1(RUN AT COMMAND, alpha identifier presented coded with UCS2 in Cyrillic, request ME Manufacturer ID)

See ETSI TS 102 384 [26] in subclause 27.22.4.23.4.4.2, Expected Sequence 4.1.

27.22.4.23.4.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.1.

27.22.4.23.5 RUN AT COMMAND (UCS2 display in Chinese)

27.22.4.23.5.1 Definition and applicability

See clause 3.2.2.

27.22.4.23.5.2 Conformance requirement

The ME shall support the Proactive UICC: RUN AT COMMAND facility as defined in:

- TS 31.111 [15] clause 6.4.23, clause 6.6.23, clause 5.2, clause 6.8, clause 8.6, clause 8.7, clause 8.2, clause 8.40, clause 8.31, clause 8.41 and clause 8.70.
- TS 27.007 [18].

The terminal shall support the text attribute.

27.22.4.23.5.3 Test purpose

To verify that the ME responds to an AT Command contained within a RUN AT COMMAND with UCS2 alpha identifier as though it were initiated by an attached TE, and returns an AT Response within a TERMINAL RESPONSE to the UICC.

27.22.4.23.5.4 Method of test

27.22.4.23.5.4.1 Initial conditions

The ME is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

Prior to the test the ME shall be connected to the TE.

The TA-TE interface is set to 8-bit operation.

27.22.4.23.5.4.2 Procedure

Expected Sequence 5.1(RUN AT COMMAND, alpha identifier presented coded with UCS2 in Chinese, request ME Manufacturer ID)

See ETSI TS 102 384 [26] in subclause 27.22.4.23.5.4.2, Expected Sequence 5.1.

27.22.4.23.5.5 Test requirement

The ME shall operate in the manner defined in expected sequence 5.1.

27.22.4.23.6 RUN AT COMMAND (UCS2 display in Katakana)

27.22.4.23.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.23.6.2 Conformance requirement

The ME shall support the Proactive UICC: RUN AT COMMAND facility as defined in:

- TS 31.111 [15] clause 6.4.23, clause 6.6.23, clause 5.2, clause 6.8, clause 8.6, clause 8.7, clause 8.2, clause 8.40, clause 8.31, clause 8.41 and clause 8.70.
- TS 27.007 [18].

The terminal shall support the text attribute.

27.22.4.23.6.3 Test purpose

To verify that the ME responds to an AT Command contained within a RUN AT COMMAND with UCS2 alpha identifier as though it were initiated by an attached TE, and returns an AT Response within a TERMINAL RESPONSE to the UICC.

27.22.4.23.6.4 Method of test

27.22.4.23.6.4.1 Initial conditions

The ME is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

Prior to the test the ME shall be connected to the TE.

The TA-TE interface is set to 8-bit operation.

27.22.4.23.6.4.2 Procedure

Expected Sequence 6.1(RUN AT COMMAND, alpha identifier presented coded with UCS2 in Katakana, request ME Manufacturer ID)

See ETSI TS 102 384 [26] in subclause 27.22.4.23.6.4.2, Expected Sequence 6.1.

27.22.4.23.6.5 Test requirement

The ME shall operate in the manner defined in expected sequence 6.1.

27.22.4.24 SEND DTMF

27.22.4.24.1 SEND DTMF (Normal)

27.22.4.24.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.24.1.2 Conformance requirement

The ME shall support the Proactive UICC: Send DTMF facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.24, clause 6.6.24, clause 8.12.2, clause 5.2, clause 8.6, clause 8.7, clause 8.2 and clause 8.44.

27.22.4.24.1.3 Test purpose

To verify that after a call has been successfully established the ME sends the DTMF string contained in the SEND DTMF proactive UICC command to the network, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that the ME does not locally generate audible DTMF tones and play them to the user.

To verify that if the ME is in idle mode it informs the UICC using TERMINAL RESPONSE '20' with the additional information "Not in speech call".

To verify that the ME displays the text contained in the SEND DTMF proactive UICC command.

To verify that if an alpha identifier is provided by the UICC and is a null data object the ME does not give any information to the user on the fact that the ME is performing a SEND DTMF command.

27.22.4.24.1.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table. The elementary files are coded as USIM Application Toolkit default.

Prior to this test the ME shall have been powered on, performed the PROFILE DOWNLOAD procedure and be in updated idle mode on the USS.

27.22.4.24.1.4. 2 Procedure

Expected Sequence 1.1 (SEND DTMF, normal)

Some details of the DTMF protocol have been left out for clarity.

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--|------------------------------------|
| 1 | $User \rightarrow ME$ | Set up a call to "+0123456789" | |
| 2 | $ME \rightarrow USS$ | The ME attempts to set up a call to "+0123456789" | |
| 3 | $USS \to ME$ | The ME receives the CONNECT message from the USS. | |
| 4 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND DTMF 1.1.1 | |
| 5 | $ME \rightarrow UICC$ | | |
| 6 | $UICC \to ME$ | PROACTIVE COMMAND: SEND DTMF 1.1.1 | |
| 7 | ME → USER | May give information to the user concerning what is happening. Do not locally generate audible DTMF tones and play them to the user. | |
| 8 | $ME \rightarrow USS$ | Start DTMF 1.1 | ["1"] |
| 9 | ME | | No DTMF sending for 3 seconds ±20% |
| 10 | $ME \rightarrow USS$ | Start DTMF 1.2 | ["2"] |
| 11 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND DTMF 1.1.1 | [Command performed successfully] |
| 12 | $UICC \to ME$ | PROACTIVE UICC SESSION ENDED | |
| 13 | $User \to ME$ | End the call | |

PROACTIVE COMMAND: SEND DTMF 1.1.1

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network
DTMF String: "1" pause "2"

Coding:

| BER-TLV: | D0 | 0D | 81 | 03 | 01 | 14 | 00 | 82 | 02 | 81 | 83 | AC |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| _ | 02 | C1 | F2 | | | | | | | | | |

Start DTMF 1.1

Logically:

DTMF String: "1"

Start DTMF 1.2

Logically:

DTMF String: "2"

TERMINAL RESPONSE: SEND DTMF 1.1.1

Logically:

Command details

Command number:

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: 81 03 01 14 00 82 02 8 | 82 81 83 01 00 |
|---------------------------------|----------------|
|---------------------------------|----------------|

Expected Sequence 1.2 (SEND DTMF, containing alpha identifier)

Some details of the DTMF protocol have been left out for clarity.

| Step | Direction | MESSAGE / Action | Comments |
|----------|-----------------------|-------------------------------------|----------------------------------|
| 1 | $User \rightarrow ME$ | Set up a call to "+0123456789" | |
| 2 | $ME \to USS$ | The ME attempts to set up a call to | |
| | | "+0123456789" | |
| 3 | $USS \to ME$ | The ME receives the CONNECT | |
| | | message from the USS. | |
| 4 | $UICC \to ME$ | PROACTIVE COMMAND | |
| _ | NAT 11100 | PENDING: SEND DTMF 1.2.1 | |
| 5 | | FETCH | |
| 6 | $UICC \to ME$ | PROACTIVE COMMAND: SEND DTMF 1.2.1 | |
| 7 | ME → USER | | Alpha identifier |
| ' | IVIE → USER | Do not locally generate audible | Alpha identifier |
| | | DTMF tones and play them to the | |
| | | user. | |
| 8 | $ME \to USS$ | Start DTMF 1.1 | ["1"] |
| 9 | $ME \to USS$ | Start DTMF 1.2 | ["2"] |
| 10 | $ME \to USS$ | Start DTMF 1.3 | ["3"] |
| 11 | $ME \rightarrow USS$ | Start DTMF 1.4 | ["4"] |
| 12 | $ME \to USS$ | Start DTMF 1.5 | ["5"] |
| 13 | $ME \rightarrow USS$ | Start DTMF 1.6 | ["6"] |
| 14 | $ME \rightarrow USS$ | Start DTMF 1.7 | ["7"] |
| 15 | $ME \to USS$ | Start DTMF 1.8 | ["8"] |
| 16 | $ME \rightarrow USS$ | Start DTMF 1.9 | ["9"] |
| 17 | $ME \to USS$ | Start DTMF 1.10 | ["0"] |
| 18 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| | | DTMF 1.1.1 | |
| 19 | $UICC \to ME$ | PROACTIVE UICC SESSION | |
| | | ENDED | |
| 20 | User \rightarrow ME | End the call | |

PROACTIVE COMMAND: SEND DTMF 1.2.1

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: "Send DTMF"
DTMF String: "1234567890"

Coding:

| BER-TLV: | D0 | 1B | 81 | 03 | 01 | 14 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 09 | 53 | 65 | 6E | 64 | 20 | 44 | 54 | 4D | 46 | AC | 05 |
| | 21 | 43 | 65 | 87 | 09 | | | | | | | |

Start DTMF 1.3

Logically:

DTMF String: "3"

Start DTMF 1.4

Logically:

DTMF String: "4"

Start DTMF 1.5

Logically:

DTMF String: "5"

Start DTMF 1.6

Logically:

DTMF String: "6"

Start DTMF 1.7

Logically:

DTMF String: "7"

Start DTMF 1.8

Logically:

DTMF String: "8"

Start DTMF 1.9

Logically:

DTMF String: "9"

Start DTMF 1.10

Logically:

DTMF String: "0"

Expected Sequence 1.3 (SEND DTMF, containing alpha identifier with null data object)

| Step | Direction | MESSAGE / Action | Comments |
|---------|-----------------------|-------------------------------------|---|
| 1 | $User \rightarrow ME$ | Set up a call to "+0123456789" | |
| 2 | $ME \rightarrow USS$ | The ME attempts to set up a call to | |
| | | "+0123456789" | |
| 3 | $USS \to ME$ | The ME receives the CONNECT | |
| | | message from the USS. | |
| 4 | $UICC \to ME$ | PROACTIVE COMMAND | |
| _ | | PENDING: SEND DTMF 1.3.1 | |
| 5 | $ME \rightarrow UICC$ | | |
| 6 | $UICC \to ME$ | PROACTIVE COMMAND: SEND DTMF 1.3.1 | Alpha identifier with null data object |
| 7 | $ME \rightarrow USER$ | Do not give any information to the | |
| | | user on the fact that the ME is | |
| | | performing a SEND DTMF | |
| | | command. | |
| | | Do not locally generate audible | |
| | | DTMF tones and play them to the | |
| | 1100 | USET. | בווש ווים |
| 8 | ME → USS | Start DTMF 1.1 | ["1"] |
| 9 10 | ME ME NISS | Start DTMF 1.2 | No DTMF sending for 30 seconds ±20% ["2"] |
| | ME → USS | | |
| 11 | ME → UICC | TERMINAL RESPONSE: SEND DTMF 1.1.1 | [Command performed successfully] |
| 12 | $UICC \to ME$ | PROACTIVE UICC SESSION | |
| | | ENDED | |
| 13 | User \rightarrow ME | End the call | |

PROACTIVE COMMAND: SEND DTMF 1.3.1

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "" (null data object)

DTMF String: "1" pause pause pause pause pause pause pause pause pause pause "2"

Coding:

| BER-TLV: | D0 | 13 | 81 | 03 | 01 | 14 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | AC | 06 | C1 | CC | CC | CC | CC | 2C | | | |

Expected Sequence 1.4 (SEND DTMF, mobile is not in a speech call)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--------------------------|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | [Mobile is not in a speech call] |
| | | PENDING: SEND DTMF 1.1.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | |
| | | DTMF 1.1.1 | |
| 4 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | [ME currently unable to process command, |
| | | | not in speech call] |
| 5 | $UICC \to ME$ | PROACTIVE UICC SESSION | |
| | | ENDED | |

TERMINAL RESPONSE: SEND DTMF 1.4.1

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: ME currently unable to process command

Additional information: Not in speech call

Coding:

| BER-TLV: | 81 | 03 | 01 | 14 | 00 | 82 | 02 | 82 | 81 | 83 | 02 | 20 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 07 | | | | | | | | | | | |

27.22.4.24.1.5 Test requirement

The ME shall operate in the manner defined in expected sequences 1.1 to 1.4.

27.22.4.24.2 SEND DTMF (Display of icons)

27.22.4.24.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.24.2.2 Conformance requirement

The ME shall support the Proactive UICC: Send DTMF facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.24, clause 6.6.24, clause 8.12.2, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.44, clause 8.31 and clause 6.5.4.

27.22.4.24.2.3 Test purpose

To verify that after a call has been successfully established the ME send the DTMF string contained in the SEND DTMF proactive UICC command to the network, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that the ME do not locally generate audible DTMF tones and play them to the user.

To verify that the ME displays the text contained in the SEND DTMF proactive UICC command.

To verify that the ME displays the icons which are referred to in the contents of the SEND DTMF proactive UICC command.

27.22.4.24.2.4 Method of test

27.22.4.24.2.4.1 Initial conditions

The ME is connected to the SIM Simulator and only connected to the System Simulator if the System Simulator is mentioned in the sequence table. Prior to this test the ME shall have been powered on, performed the PROFILE DOWNLOAD procedure and be in updated idle mode on the USS.

The elementary files are coded as Toolkit default.

27.22.4.24.2.4.2 Procedure

Expected Sequence 2.1A (SEND DTMF, BASIC ICON self explanatory, successful)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|------------------------------------|
| 1 | $User \to ME$ | Set up a call to "+0123456789" | |
| 2 | $ME \to USS$ | The ME attempts to set up a call to | |
| _ | | "+0123456789" | |
| 3 | $USS \to ME$ | The ME receives the CONNECT | |
| 4 | LUCO ME | message from the USS. PROACTIVE COMMAND | |
| 4 | $UICC \to ME$ | PENDING: SEND DTMF 2.1.1 | |
| 5 | $ME \rightarrow UICC$ | | |
| 6 | | PROACTIVE COMMAND: SEND | [BASIC-ICON, self-explanatory] |
| | OIOO - IVIL | DTMF 2.1.1 | [Entere reent, sen explanatory] |
| 7 | $ME \rightarrow USER$ | Display the BASIC-ICON | |
| | | Do not locally generate audible | |
| | | DTMF tones and play them to the | |
| | | user. | |
| 8 | , 000 | Start DTMF 1.1 | ["1"] |
| 9 | ME | | No DTMF sending for 3 seconds ±20% |
| 10 | $ME \rightarrow USS$ | Start DTMF 1.2 | ["2"] |
| 11 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| 40 | 11100 145 | DTMF 2.1.1A | |
| 12 | $UICC \to ME$ | PROACTIVE UICC SESSION ENDED | |
| 13 | User \rightarrow ME | End the call | |
| 13 | OSEI → IVIE | Life tall | |

PROACTIVE COMMAND: SEND DTMF 2.1.1

Logically:

Command details

Command number:

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: "Basic Icon"
DTMF String: "1" pause "2"

Icon identifier

Icon qualifier: icon is self-explanatory Icon identifier: record 1 in $EF_{(IMG)}$

Coding:

| BER-TLV: | D0 | 1D | 81 | 03 | 01 | 14 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0A | 42 | 61 | 73 | 69 | 63 | 20 | 49 | 63 | 6F | 6E | AC |
| | 02 | C1 | F2 | 9E | 02 | 00 | 01 | | | | | |

DTMF Request 2.1.1

Logically:

DTMF String: \$DTMF_2.1\$ = "C1 F2" (given as example)

TERMINAL RESPONSE: SEND DTMF 2.1.1A

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: ME

Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 14 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|------------|----|----|----|----|----|----|----|----|----|----------|----|
| D | O . | 00 | | | 00 | | | | | | . | 00 |

Expected Sequence 2.1B (SEND DTMF, BASIC ICON self explanatory, requested icon could not be displayed)

Some details of the DTMF protocol have been left out for clarity.

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|--|
| 1 | $User \rightarrow ME$ | Set up a call to "+0123456789" | |
| 2 | $ME \to USS$ | The ME attempts to set up a call to | |
| _ | | "+0123456789" | |
| 3 | $USS \to ME$ | The ME receives the CONNECT | |
| 4 | LUCO ME | message from the USS. PROACTIVE COMMAND | |
| 4 | $UICC \to ME$ | PENDING: SEND DTMF 2.1.1 | |
| 5 | ME → UICC | | |
| 6 | | | [BASIC-ICON, self-explanatory] |
| | OIGG / IVIL | DTMF 2.1.1 | [Extere reert, een explanatory] |
| 7 | $ME \rightarrow USER$ | Display "Basic Icon" without the | |
| | | icon | |
| | | Do not locally generate audible | |
| | | DTMF tones and play them to the | |
| | | USEr. | FII.4.113 |
| 8 | ME → USS | Start DTMF 1.1 | ["1"] |
| 9 | ME | Start DTMF 1.2 | No DTMF sending for 3 seconds ±20 % |
| 11 | , | TERMINAL RESPONSE: SEND | ["2"] [Command performed successfully, but |
| '' | INIE → DICC | DTMF 2.1.1B | requested icon could not be displayed] |
| 12 | UICC → ME | PROACTIVE UICC SESSION | requested for codia not be displayed |
| '- | O.OO / IVIL | ENDED | |
| 13 | $User \to ME$ | End the call | |

TERMINAL RESPONSE: SEND DTMF 2.1.1B

Logically:

Command details

Command number:

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully, but requested icon could not be displayed

Coding:

| BER-TLV: | 81 | 03 | 01 | 14 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 04 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

Expected Sequence 2.2A (SEND DTMF, COLOUR-ICON self explanatory, successful)

| Step | Direction | MESSAGE / Action | Comments |
|------|---|---|------------------------------------|
| 1 | $User \to ME$ | Set up a call to "+0123456789" | |
| 2 | $ME \to USS$ | The ME attempts to set up a call to | |
| | | "+0123456789" | |
| 3 | $USS \to ME$ | The ME receives the CONNECT | |
| 4 | LUCC ME | message from the USS. PROACTIVE COMMAND | |
| 4 | UICC → IVIE | PENDING: SEND DTMF 2.2.1 | |
| 5 | $ME \rightarrow UICC$ | | |
| 6 | | | [COLOUR-ICON] |
| | | DTMF 2.2.1 | , |
| 7 | $ME \to USER$ | Display the COLOUR-ICON | |
| | | Do not locally generate audible | |
| | | DTMF tones and play them to the | |
| 8 | $ME \to USS$ | luser. Start DTMF 1.1 | ["1"] |
| 9 | ME → USS | Start DTWF 1.1 | No DTMF sending for 3 seconds ±20% |
| 10 | | Start DTMF 1.2 | ["2"] |
| 11 | / 000 | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | DTMF 2.1.1A | [command ponomical succession)] |
| 12 | $UICC \to ME$ | PROACTIVE UICC SESSION | |
| | | ENDED | |
| 13 | $User \to ME$ | End the call | |

PROACTIVE COMMAND: SEND DTMF 2.2.1

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC

Destination device: Network

Alpha identifier: "Colour Icon"

DTMF String: "1" pause "2"

Icon identifier:

Icon qualifier: icon is self-explanatory Icon identifier: record 2 in $EF_{(IMG)}$

Coding:

| BER-TLV: | D0 | 1E | 81 | 03 | 01 | 14 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0B | 43 | 6F | 6C | 6F | 75 | 72 | 20 | 49 | 63 | 6F | 6E |
| | AC | 02 | C1 | F2 | 9E | 02 | 00 | 02 | | | | |

Expected Sequence 2.2B (SEND DTMF, COLOUR-ICON self explanatory, requested icon could not be displayed)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--|--|
| 1 | $User \to ME$ | Set up a call to "+0123456789" | |
| 2 | $ME \to USS$ | The ME attempts to set up a call to | |
| | | "+0123456789" | |
| 3 | $USS \to ME$ | The ME receives the CONNECT | |
| | | message from the USS. | |
| 4 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND DTMF 2.2.1 | |
| 5 | $ME \to UICC$ | | |
| 6 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | [COLOUR-ICON] |
| 0 | UICC → IVIE | DTMF 2.2.1 | [COLOOK-ICON] |
| 7 | MF → LISER | Display "Colour Icon" without the | |
| | WE 7 COLIN | icon | |
| | | Do not locally generate audible | |
| | | DTMF tones and play them to the | |
| | | user. | |
| 8 | $ME \to USS$ | Start DTMF 1.1 | ["1"] |
| 9 | ME | | No DTMF sending for 3 seconds ±20% |
| 10 | $ME \to USS$ | Start DTMF 1.2 | ["2"] |
| 11 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully, but |
| 4.0 | | DTMF 2.1.1B | requested icon could not be displayed] |
| 12 | $UICC \to ME$ | PROACTIVE UICC SESSION | |
| 12 | Llaar . ME | ENDED | |
| 13 | User \rightarrow ME | End the call | |

Expected Sequence 2.3A (SEND DTMF, Alpha identifier & BASIC-ICON, not self-explanatory, successful)

Some details of the DTMF protocol have been left out for clarity.

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--|---|
| 1 | $User \to ME$ | Set up a call to "+0123456789" | |
| 2 | $ME \rightarrow USS$ | The ME attempts to set up a call to "+0123456789" | |
| 3 | $USS \to ME$ | The ME receives the CONNECT message from the USS. | |
| 4 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND DTMF 2.3.1 | |
| 5 | $ME \rightarrow UICC$ | FETCH | |
| 6 | $UICC \to ME$ | PROACTIVE COMMAND: SEND DTMF 2.3.1 | [Alpha identifier & BASIC-ICON, not self- explanatory] |
| 7 | ME → USER | Display 'Send DTMF' and the BASIC-ICON Do not locally generate audible DTMF tones and play them to the user. | |
| 8 | $ME \rightarrow USS$ | Start DTMF 1.1 | ["1"] |
| 9 | ME | | No DTMF sending for 3 seconds ±20 % |
| 10 | $ME \rightarrow USS$ | Start DTMF 1.2 | ["2"] |
| 11 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND DTMF 2.1.1A | [Command performed successfully] |
| 12 | $UICC \to ME$ | PROACTIVE UICC SESSION ENDED | |
| 13 | $User \to ME$ | End the call | |

PROACTIVE COMMAND: SEND DTMF 2.3.1

Logically:

Command details

Command number:

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: "Send DTMF"
DTMF String: "1" pause "2"

Icon identifier:

Icon qualifier: icon is not self-explanatory

Icon identifier: record 1 in $EF_{(IMG)}$

Coding:

| BER-TLV: | D0 | 1C | 81 | 03 | 01 | 14 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 09 | 53 | 65 | 6E | 64 | 20 | 44 | 54 | 4D | 46 | AC | 02 |
| | C1 | F2 | 9E | 02 | 01 | 01 | | | | | | |

Expected Sequence 2.3B (SEND DTMF, Alpha identifier & BASIC-ICON, not self-explanatory, requested icon could not be displayed)

Some details of the DTMF protocol have been left out for clarity.

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|---|
| 1 | $User \to ME$ | Set up a call to "+0123456789" | |
| 2 | $ME \to USS$ | The ME attempts to set up a call to | |
| _ | | "+0123456789" | |
| 3 | $USS \to ME$ | The ME receives the CONNECT | |
| 4 | LUCO ME | message from the USS. PROACTIVE COMMAND | |
| 4 | $UICC \to ME$ | PENDING: SEND DTMF 2.3.1 | |
| 5 | $ME \rightarrow UICC$ | | |
| 6 | | PROACTIVE COMMAND: SEND | [Alpha identifier & BASIC-ICON, not self- |
| | 0.00 / III.E | DTMF 2.3.1 | explanatory] |
| 7 | $ME \rightarrow USER$ | Display "Send DTMF" without the | , , , , , |
| | | icon | |
| | | Do not locally generate audible | |
| | | DTMF tones and play them to the | |
| 8 | $ME \to USS$ | luser. Start DTMF 1.1 | ["1"] |
| 9 | ME → USS | Start DTWF 1.1 | No DTMF sending for 3 seconds ±20% |
| 10 | l— | Start DTMF 1.2 | ["2"] |
| 11 | , 000 | TERMINAL RESPONSE: SEND | [Command performed successfully, but |
| | , , 5.56 | DTMF 2.1.1B | requested icon could not be displayed] |
| 12 | $UICC \to ME$ | PROACTIVE UICC SESSION | |
| | | ENDED | |
| 13 | $User \to ME$ | End the call | |

27.22.4.24.2.5 Test requirement

The ME shall operate in the manner defined in expected sequences 2.1 to 2.3.

27.22.4.24.3 SEND DTMF (UCS2 display in Cyrillic)

27.22.4.24.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.24.3.2 Conformance requirement

The ME shall support the Proactive UICC: Send DTMF facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.24, clause 6.6.24, clause 8.12.2, clause 5.2, clause 8.6, clause 8.7, clause 8.2 and clause 8.44.

Additionally the ME shall support the UCS2 facility for the coding of the Cyrillic alphabet, as defined in:

- ISO/IEC 10646. [17].

27.22.4.24.3.3 Test purpose

To verify that the ME displays the UCS2 text contained in the SEND DTMF proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.24.3.4 Method of test

27.22.4.24.3.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table. The elementary files are coded as USIM Application Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

27.22.4.24.3.4.2 Procedure

Expected Sequence 3.1 (SEND DTMF, successful, UCS2 text in Cyrillic)

Some details of the DTMF protocol have been left out for clarity.

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--|------------------------------------|
| 1 | $User \to ME$ | Set up a call to "+0123456789" | |
| 2 | $ME \to USS$ | The ME attempts to set up a call to "+0123456789" | |
| 3 | $USS \to ME$ | The ME receives the CONNECT | |
| 4 | $UICC \to ME$ | message from the USS. PROACTIVE COMMAND PENDING: SEND DTMF 3.1.1 | |
| 5 | $ME \to UICC$ | FETCH | |
| 6 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | |
| | | DTMF 3.1.1 | |
| 7 | $ME \rightarrow USER$ | Display "ЗДРАВСТВУЙТЕ" | ["Hello" in Russian] |
| 8 | $ME \to USS$ | Start DTMF 1.1 | ["1"] |
| 9 | ME | | No DTMF sending for 3 seconds ±20% |
| 10 | $ME \to USS$ | Start DTMF 1.2 | ["2"] |
| 11 | $ME \to UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| | | DTMF 3.1.1 | |
| 12 | $UICC \to ME$ | PROACTIVE UICC SESSION | |
| | | ENDED | |
| 13 | $User \to ME$ | End the call | |

PROACTIVE COMMAND: SEND DTMF 3.1.1

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha Identifier

Text: "ЗДРАВСТВУЙТЕ" DTMF String: "1" pause "2"

Divir Sunig.

Coding:

| BER-TLV: | D0 | 28 | 81 | 03 | 01 | 14 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 19 | 80 | 04 | 17 | 04 | 14 | 04 | 20 | 04 | 10 | 04 | 12 |
| | 04 | 21 | 04 | 22 | 04 | 12 | 04 | 23 | 04 | 19 | 04 | 22 |
| | 04 | 15 | AC | 02 | C1 | F2 | | | | | | |

TERMINAL RESPONSE: SEND DTMF 3.1.1

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successful

Coding:

| BER-TLV: 81 03 01 14 | 00 82 02 | 82 81 83 | 01 00 |
|----------------------|----------|----------|-------|
|----------------------|----------|----------|-------|

27.22.4.12.2.5 Test requirement

The ME shall operate in the manner defined in expected sequence 3.1.

27.22.4.24.4 SEND DTMF (support of Text Attribute)

27.22.4.24.4.1 SEND DTMF (support of Text Attribute – Left Alignment)

27.22.4.24.4.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.24.4.1.2 Conformance requirement

The ME shall support the Proactive UICC: Send DTMF facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.24, clause 6.6.24, clause 8.12.2, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.44 and clause 8.70.

27.22.4.24.4.1.3 Test purpose

To verify that after a call has been successfully established the ME sends the DTMF string contained in the SEND DTMF proactive UICC command to the network, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that the ME does not locally generate audible DTMF tones and play them to the user.

To verify that if the ME is in idle mode it informs the UICC using TERMINAL RESPONSE '20' with the additional information "Not in speech call".

To verify that the ME displays the text contained in the SEND DTMF proactive UICC command.

To verify that the ME displays the alpha identifier according to the left alignment text attribute configuration which are referred to in the contents of the SEND DTMF proactive UICC command.

27.22.4.24.4.1.4 Method of test

27.22.4.24.4.1.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as USIM Application Toolkit default.

Prior to this test the ME shall have been powered on, performed the PROFILE DOWNLOAD procedure and be in updated idle mode on the USS.

27.22.4.24.4.1.4.2 Procedure

Expected Sequence 4.1 (SEND DTMF, with text attribute – Left Alignment)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|---|
| 1 | $User \rightarrow ME$ | Set up a call to "+0123456789" | |
| 2 | $ME \to USS$ | The ME attempts to set up a call to "+0123456789" | |
| 3 | $USS \to ME$ | The ME receives the CONNECT message from the USS. | |
| 4 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND DTMF 4.1.1 | |
| 5 | $ME \to UICC$ | FETCH | |
| 6 | UICC → ME | PROACTIVE COMMAND: SEND | |
| | | DTMF 4.1.1 | |
| 7 | ME → USER | Display "Send DTMF" Do not locally generate audible DTMF tones and play them to the user. | [Alpha identifier is displayed with left alignment] |
| 8 | $ME \to USS$ | Start DTMF 1.1 | ["1"] |
| 9 | $ME \to USS$ | Start DTMF 1.2 | ["2"] |
| 10 | $ME \to USS$ | Start DTMF 1.3 | ["3"] |
| 11 | $ME \to USS$ | Start DTMF 1.4 | ["4"] |
| 12 | $ME \to USS$ | Start DTMF 1.5 | ["5"] |
| 13 | $ME \rightarrow USS$ | Start DTMF 1.6 | ["6"] |
| 14 | $ME \rightarrow USS$ | Start DTMF 1.7 | ["7"] |
| 15 | $ME \rightarrow USS$ | Start DTMF 1.8 | ["8"] |
| 16 | $ME \rightarrow USS$ | Start DTMF 1.9 | ["9"] |
| 17 | $ME \rightarrow USS$ | Start DTMF 1.10 | ["0"] |
| 18 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND DTMF 4.1.1 | [Command performed successfully] |
| 19 | $UICC \to ME$ | PROACTIVE UICC SESSION ENDED | |
| 20 | $User \to ME$ | End the call | |
| 21 | | Set up a call to "+0123456789" | |
| 22 | User → ME | · · · · · · · · · · · · · · · · · · · | |
| | ME → USS | The ME attempts to set up a call to "+0123456789" | |
| 23 | $USS \to ME$ | The ME receives the CONNECT message from the USS. | |
| 24 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND DTMF 4.1.2 | |
| 25 | $ME \rightarrow UICC$ | FETCH | |
| 26 | UICC → ME | PROACTIVE COMMAND: SEND DTMF 4.1.2 | |
| 27 | $ME \to USER$ | Display "Send DTMF" Do not locally generate audible DTMF tones and play them to the user. | [Message shall be formatted without left alignment. Remark: If left alignment is the ME"s default alignment as declared in table A.2/17, no alignment change will take place] |
| 28 | $ME \to USS$ | Start DTMF 1.1 | ["1"] |
| 29 | $ME \rightarrow USS$ | Start DTMF 1.2 | ["2"] |
| 30 | $ME \rightarrow USS$ | Start DTMF 1.3 | ["3"] |
| 31 | $ME \rightarrow USS$ | Start DTMF 1.4 | ["4"] |
| 32 | $ME \rightarrow USS$ | Start DTMF 1.5 | ["5"] |
| 33 | ME → USS | Start DTMF 1.6 | ["6"] |
| 34 | ME → USS | Start DTMF 1.7 | ["7"] |
| 35 | $ME \rightarrow USS$ | Start DTMF 1.8 | ["8"] |
| 36 | $ME \rightarrow USS$ | Start DTMF 1.9 | ["9"] |
| 37 | | Start DTMF 1.9 | ["0"] |
| 38 | ME → USS | | |
| 30 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND DTMF 4.1.1 | [Command performed successfully] |
| 39 | $UICC \to ME$ | PROACTIVE UICC SESSION ENDED | |
| 40 | $User \to ME$ | End the call | |

PROACTIVE COMMAND: SEND DTMF 4.1.1

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network
identifier: "Send DTMF 1"

Alpha identifier: "Send DTMF String: "1234567890"

Text Attribute

Formatting position: 0 Formatting length: 11

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 23 | 81 | 03 | 01 | 14 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0B | 53 | 65 | 6E | 64 | 20 | 44 | 54 | 4D | 46 | 20 | 31 |
| | AC | 05 | 21 | 43 | 65 | 87 | 09 | D0 | 04 | 00 | 0B | 00 |
| | B4 | | | | | | | | | | | |

PROACTIVE COMMAND: SEND DTMF 4.1.2

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: "Send DTMF 2"

DTMF String:

"1234567890"

Coding:

| BER-TLV: | D0 | 1D | 81 | 03 | 01 | 14 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0B | 53 | 65 | 6E | 64 | 20 | 44 | 54 | 4D | 46 | 20 | 32 |
| | AC | 05 | 21 | 43 | 65 | 87 | 09 | | | | | |

TERMINAL RESPONSE: SEND DTMF 4.1.1

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TL\ | ' : 8 | 31 | 03 | 01 | 14 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 | l |
|---------|--------------|----|----|----|----|----|----|----|----|----|----|----|----|---|
|---------|--------------|----|----|----|----|----|----|----|----|----|----|----|----|---|

27.22.4.24.4.1.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.1.

27.22.4.24.4.2 SEND DTMF (support of Text Attribute – Center Alignment)

27.22.4.24.4.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.24.4.2.2 Conformance requirement

The ME shall support the Proactive UICC: Send DTMF facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.24, clause 6.6.24, clause 8.12.2, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.44 and clause 8.70.

27.22.4.24.4.2.3 Test purpose

To verify that after a call has been successfully established the ME sends the DTMF string contained in the SEND DTMF proactive UICC command to the network, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that the ME does not locally generate audible DTMF tones and play them to the user.

To verify that if the ME is in idle mode it informs the UICC using TERMINAL RESPONSE '20' with the additional information "Not in speech call".

To verify that the ME displays the text contained in the SEND DTMF proactive UICC command.

To verify that the ME displays the alpha identifier according to the center alignment text attribute configuration which are referred to in the contents of the SEND DTMF proactive UICC command.

27.22.4.24.4.2.4 Method of test

27.22.4.24.4.2.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as USIM Application Toolkit default.

Prior to this test the ME shall have been powered on, performed the PROFILE DOWNLOAD procedure and be in updated idle mode on the USS.

27.22.4.24.4.2.4.2 Procedure

Expected Sequence 4.2 (SEND DTMF, with text attribute – Center Alignment)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|---|
| 1 | $User \rightarrow ME$ | Set up a call to "+0123456789" | |
| 2 | $ME \to USS$ | The ME attempts to set up a call to "+0123456789" | |
| 3 | $USS \to ME$ | The ME receives the CONNECT | |
| 4 | $UICC \to ME$ | message from the USS. PROACTIVE COMMAND PENDING: SEND DTMF 4.2.1 | |
| 5 | $ME \rightarrow UICC$ | FETCH | |
| 6 | | PROACTIVE COMMAND: SEND | |
| | 0100 7 IVIL | DTMF 4.2.1 | |
| 7 | $ME \to USER$ | Display "Send DTMF" Do not locally generate audible DTMF tones and play them to the user. | [Alpha identifier is displayed with center alignment] |
| 8 | $ME \to USS$ | Start DTMF 1.1 | ["1"] |
| 9 | $ME \to USS$ | Start DTMF 1.2 | ["2"] |
| 10 | $ME \to USS$ | Start DTMF 1.3 | ["3"] |
| 11 | $ME \to USS$ | Start DTMF 1.4 | ["4"] |
| 12 | $ME \to USS$ | Start DTMF 1.5 | ["5"] |
| 13 | $ME \to USS$ | Start DTMF 1.6 | ["6"] |
| 14 | $ME \rightarrow USS$ | Start DTMF 1.7 | ["7"] |
| 15 | $ME \rightarrow USS$ | Start DTMF 1.8 | ["8"] |
| 16 | $ME \rightarrow USS$ | Start DTMF 1.9 | ["9"] |
| 17 | $ME \rightarrow USS$ | Start DTMF 1.10 | ["0"] |
| 18 | | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| 19 | $UICC \to ME$ | PROACTIVE UICC SESSION ENDED | |
| 20 | $User \to ME$ | End the call | |
| 21 | User → ME | Set up a call to "+0123456789" | |
| 22 | | 1 · · · · · · · · · · · · · · · · · · · | |
| | ME → USS | The ME attempts to set up a call to "+0123456789" | |
| 23 | $USS \to ME$ | The ME receives the CONNECT message from the USS. | |
| 24 | $UICC \to ME$ | PROAČTIVE COMMAND PENDING: SEND DTMF 4.2.2 | |
| 25 | $ME \rightarrow UICC$ | FETCH | |
| 26 | $UICC \to ME$ | PROACTIVE COMMAND: SEND DTMF 4.2.2 | |
| 27 | | Display "Send DTMF" Do not locally generate audible DTMF tones and play them to the user. | [Message shall be formatted without center alignment. Remark: If center alignment is the ME"s default alignment as declared in table A.2/17, no alignment change will take place] |
| 28 | $ME \to USS$ | Start DTMF 1.1 | ["1"] |
| 29 | $ME \to USS$ | Start DTMF 1.2 | ["2"] |
| 30 | $ME \to USS$ | Start DTMF 1.3 | ["3"] |
| 31 | $ME \to USS$ | Start DTMF 1.4 | ["4"] |
| 32 | $ME \rightarrow USS$ | Start DTMF 1.5 | ["5"] |
| 33 | $ME \rightarrow USS$ | Start DTMF 1.6 | ["6"] |
| 34 | $ME \rightarrow USS$ | Start DTMF 1.7 | ["7"] |
| 35 | $ME \rightarrow USS$ | Start DTMF 1.8 | ["8"] |
| 36 | $ME \rightarrow USS$ | Start DTMF 1.9 | ["9"] |
| 37 | $ME \rightarrow USS$ | Start DTMF 1.10 | ["0"] |
| 38 | | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| 30 | $ME \rightarrow UICC$ | DTMF 4.2.1 | [Command penomied successfully] |
| 39 | $UICC \to ME$ | PROACTIVE UICC SESSION ENDED | |
| 40 | $User \to ME$ | End the call | |

PROACTIVE COMMAND: SEND DTMF 4.2.1

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: "Send DTMF 1"

DTMF String: "1234567890"

Text Attribute

Formatting position: 0 Formatting length: 11

Formatting mode: Center Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 23 | 81 | 03 | 01 | 14 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0B | 53 | 65 | 6E | 64 | 20 | 44 | 54 | 4D | 46 | 20 | 31 |
| | AC | 05 | 21 | 43 | 65 | 87 | 09 | D0 | 04 | 00 | 0B | 01 |
| | B4 | | | | | | | | | | | |

PROACTIVE COMMAND: SEND DTMF 4.2.2

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC Destination device: Network

Alpha identifier: "Send DTMF 2"

DTMF String: "1234567890"

Coding:

| BER-TLV: | D0 | 1D | 81 | 03 | 01 | 14 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0B | 53 | 65 | 6E | 64 | 20 | 44 | 54 | 4D | 46 | 20 | 32 |
| | AC | 05 | 21 | 43 | 65 | 87 | 09 | | | | | l. |

TERMINAL RESPONSE: SEND DTMF 4.2.1

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 14 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 | 1 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|---|
|----------|----|----|----|----|----|----|----|----|----|----|----|----|---|

27.22.4.24.4.2.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.2.

27.22.4.24.4.3 SEND DTMF (support of Text Attribute – Right Alignment)

27.22.4.24.4.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.24.4.3.2 Conformance requirement

The ME shall support the Proactive UICC: Send DTMF facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.24, clause 6.6.24, clause 8.12.2, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.44 and clause 8.70.

27.22.4.24.4.3.3 Test purpose

To verify that after a call has been successfully established the ME sends the DTMF string contained in the SEND DTMF proactive UICC command to the network, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that the ME does not locally generate audible DTMF tones and play them to the user.

To verify that if the ME is in idle mode it informs the UICC using TERMINAL RESPONSE '20' with the additional information "Not in speech call".

To verify that the ME displays the text contained in the SEND DTMF proactive UICC command.

To verify that the ME displays the alpha identifier according to the right alignment text attribute configuration which are referred to in the contents of the SEND DTMF proactive UICC command.

27.22.4.24.4.3.4 Method of test

27.22.4.24.4.3.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as USIM Application Toolkit default.

Prior to this test the ME shall have been powered on, performed the PROFILE DOWNLOAD procedure and be in updated idle mode on the USS.

27.22.4.24.4.3.4.2 Procedure

Expected Sequence 4.3 (SEND DTMF, with text attribute – Right Alignment)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|---|
| 1 | $User \rightarrow ME$ | Set up a call to "+0123456789" | |
| 2 | $ME \to USS$ | The ME attempts to set up a call to "+0123456789" | |
| 3 | $USS \to ME$ | The ME receives the CONNECT | |
| 4 | $UICC \to ME$ | message from the USS. PROACTIVE COMMAND PENDING: SEND DTMF 4.3.1 | |
| 5 | $ME \rightarrow UICC$ | FETCH | |
| 6 | | PROACTIVE COMMAND: SEND | |
| | OIOO / IVIL | DTMF 4.3.1 | |
| 7 | $ME \to USER$ | Display "Send DTMF" Do not locally generate audible DTMF tones and play them to the user. | [Alpha identifier is displayed with right alignment] |
| 8 | $ME \to USS$ | Start DTMF 1.1 | ["1"] |
| 9 | $ME \to USS$ | Start DTMF 1.2 | ["2"] |
| 10 | $ME \to USS$ | Start DTMF 1.3 | ["3"] |
| 11 | $ME \to USS$ | Start DTMF 1.4 | ["4"] |
| 12 | $ME \to USS$ | Start DTMF 1.5 | ["5"] |
| 13 | $ME \to USS$ | Start DTMF 1.6 | ["6"] |
| 14 | $ME \to USS$ | Start DTMF 1.7 | ["7"] |
| 15 | $ME \to USS$ | Start DTMF 1.8 | ["8"] |
| 16 | $ME \rightarrow USS$ | Start DTMF 1.9 | ["9"] |
| 17 | $ME \to USS$ | Start DTMF 1.10 | ["0"] |
| 18 | ME → UICC | TERMINAL RESPONSE: SEND DTMF 4.3.1 | [Command performed successfully] |
| 19 | $UICC \to ME$ | PROACTIVE UICC SESSION ENDED | |
| 20 | User → ME | End the call | |
| 21 | User → ME | Set up a call to "+0123456789" | |
| 22 | ME → USS | The ME attempts to set up a call to | |
| 23 | USS → ME | "+0123456789" The ME receives the CONNECT | |
| 20 | 033 → IVIL | message from the USS. | |
| 24 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND DTMF 4.3.2 | |
| 25 | $ME \to UICC$ | FETCH | |
| 26 | UICC → ME | PROACTIVE COMMAND: SEND DTMF 4.3.2 | |
| 27 | $ME \to USER$ | Display "Send DTMF" Do not locally generate audible DTMF tones and play them to the user. | [Message shall be formatted without right alignment. Remark: If right alignment is the ME"s default alignment as declared in table A.2/17, no alignment change will take place] |
| 28 | $ME \to USS$ | Start DTMF 1.1 | ["1"] |
| 29 | $ME \to USS$ | Start DTMF 1.2 | ["2"] |
| 30 | $ME \to USS$ | Start DTMF 1.3 | ["3"] |
| 31 | $ME \to USS$ | Start DTMF 1.4 | ["4"] |
| 32 | $ME \rightarrow USS$ | Start DTMF 1.5 | ["5"] |
| 33 | $ME \rightarrow USS$ | Start DTMF 1.6 | ["6"] |
| 34 | $ME \rightarrow USS$ | Start DTMF 1.7 | ["7"] |
| 35 | $ME \rightarrow USS$ | Start DTMF 1.8 | ["8"] |
| 36 | ME → USS | Start DTMF 1.9 | ["9"] |
| 37 | $ME \rightarrow USS$ | Start DTMF 1.10 | ["0"] |
| 38 | $ME \rightarrow USS$ | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| 30 | IVIL → UICC | DTMF 4.3.1 | [Command penomied successfully] |
| 39 | $UICC \to ME$ | PROACTIVE UICC SESSION ENDED | |
| 40 | $User \to ME$ | End the call | |

PROACTIVE COMMAND: SEND DTMF 4.3.1

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network
identifier: "Send DTMF 1"

Alpha identifier: "Se DTMF String: "1234567890"

Text Attribute

Formatting position: 0 Formatting length: 11

Formatting mode: Right Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 23 | 81 | 03 | 01 | 14 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0B | 53 | 65 | 6E | 64 | 20 | 44 | 54 | 4D | 46 | 20 | 31 |
| | AC | 05 | 21 | 43 | 65 | 87 | 09 | D0 | 04 | 00 | B0 | 02 |
| | B4 | | | | | | | | | | | |

PROACTIVE COMMAND: SEND DTMF 4.3.2

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: "Send DTMF 2"

DTMF String:

"1234567890"

Coding:

| BER-TLV: | D0 | 1D | 81 | 03 | 01 | 14 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| · | 0B | 53 | 65 | 6E | 64 | 20 | 44 | 54 | 4D | 46 | 20 | 32 |
| | AC | 05 | 21 | 43 | 65 | 87 | 09 | | | | | |

TERMINAL RESPONSE: SEND DTMF 4.3.1

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: ME Destination device: UICC

Result

General Result: Command performed successfully

Coding:

27.22.4.24.4.3.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.3.

27.22.4.24.4 SEND DTMF (support of Text Attribute – Large Font Size)

27.22.4.24.4.4.1 Definition and applicability

See clause 3.2.2.

27.22.4.24.4.4.2 Conformance requirement

The ME shall support the Proactive UICC: Send DTMF facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.24, clause 6.6.24, clause 8.12.2, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.44 and clause 8.70.

27.22.4.24.4.4.3 Test purpose

To verify that after a call has been successfully established the ME sends the DTMF string contained in the SEND DTMF proactive UICC command to the network, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that the ME does not locally generate audible DTMF tones and play them to the user.

To verify that if the ME is in idle mode it informs the UICC using TERMINAL RESPONSE '20' with the additional information "Not in speech call".

To verify that the ME displays the text contained in the SEND DTMF proactive UICC command.

To verify that the ME displays the alpha identifier according to the large font size text attribute configuration which are referred to in the contents of the SEND DTMF proactive UICC command.

27.22.4.24.4.4.4 Method of test

27.22.4.24.4.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as USIM Application Toolkit default.

Prior to this test the ME shall have been powered on, performed the PROFILE DOWNLOAD procedure and be in updated idle mode on the USS.

27.22.4.24.4.4.2 Procedure

Expected Sequence 4.4 (SEND DTMF, with text attribute – Large Font Size)

| 1 | Step | Direction | MESSAGE / Action | Comments |
|---|------|-----------------------|---|---|
| 3 | - | User → ME | | |
| 3 | 2 | | The ME attempts to set up a call to | |
| 4 | 3 | $USS \to ME$ | The ME receives the CONNECT | |
| 5 | 4 | $UICC \to ME$ | PROACTIVE COMMAND | |
| 6 | 5 | $ME \rightarrow UICC$ | | |
| 7 | | | | |
| 8 | 7 | $ME \to USER$ | Display "Send DTMF" Do not locally generate audible DTMF tones and play them to the | [Alpha identifier is displayed with large font size] |
| 9 | 8 | $ME \to USS$ | | ["1"] |
| 10 | | | | |
| 11 | | | | |
| 12 | | | | |
| 13 | | | | |
| 14 | | | | |
| 15 | | | | |
| 16 | | | | |
| 17 | | | | |
| 18 | | | | |
| 19 | | | | |
| ENDED End the call | | | DTMF 4.4.1 | [Command performed successfully] |
| 21 | | | ENDED | |
| 22 | | | | |
| #•0123456789" The ME receives the CONNECT message from the USS. VICC → ME | | | • | |
| 24 | | | "+0123456789" | |
| PENDING: SEND DTMF 4.4.2 FETCH PROACTIVE COMMAND: SEND DTMF 4.4.2 | | $USS \to ME$ | message from the USS. | |
| 26 UICC → ME PROACTIVE COMMAND: SEND DTMF 4.4.2 27 ME → USER Display "Send DTMF" Do not locally generate audible DTMF tones and play them to the user. [Alpha identifier is displayed with normal for size] 28 ME → USS Start DTMF 1.1 ["1"] 29 ME → USS Start DTMF 1.2 ["2"] 30 ME → USS Start DTMF 1.3 ["3"] 31 ME → USS Start DTMF 1.4 ["4"] 32 ME → USS Start DTMF 1.5 ["5"] 33 ME → USS Start DTMF 1.6 ["6"] 34 ME → USS Start DTMF 1.7 ["7"] 35 ME → USS Start DTMF 1.8 ["8"] 36 ME → USS Start DTMF 1.9 ["9"] 37 ME → USS Start DTMF 1.10 ["0"] 38 ME → UICC DTMF 4.4.1 ["0"] 39 UICC → ME PROACTIVE UICC SESSION ENDED [Command performed successfully] 40 User → ME User → ME User → ME User → ME Set up a call to "+0123456789" | 24 | $UICC \to ME$ | | |
| 27 ME → USER DTMF 4.4.2 Display "Send DTMF" Do not locally generate audible DTMF tones and play them to the user. [Alpha identifier is displayed with normal for size] 28 ME → USS Start DTMF 1.1 Start DTMF 1.1 ["1"] ["2"] 29 ME → USS Start DTMF 1.2 ["2"] ["3"] 30 ME → USS Start DTMF 1.3 ["3"] ["4"] 31 ME → USS Start DTMF 1.4 ["4"] ["5"] 32 ME → USS Start DTMF 1.5 ["5"] ["5"] 33 ME → USS Start DTMF 1.6 ["6"] ["6"] 34 ME → USS Start DTMF 1.7 ["7"] ["8"] 35 ME → USS Start DTMF 1.9 ["9"] ["9"] 36 ME → USS Start DTMF 1.10 ["0"] ["0"] 38 ME → UICC → ME PROACTIVE UICC SESSION ENDED DTMF 4.4.1 ["0"] 39 UICC → ME PROACTIVE UICC SESSION ENDED End the call User → ME Set up a call to "+0123456789" [Command performed successfully] | | $ME \rightarrow UICC$ | | |
| Do not locally generate audible DTMF tones and play them to the user. 28 ME \rightarrow USS Start DTMF 1.1 ["1"] 29 ME \rightarrow USS Start DTMF 1.2 ["2"] 30 ME \rightarrow USS Start DTMF 1.3 ["3"] 31 ME \rightarrow USS Start DTMF 1.4 ["4"] 32 ME \rightarrow USS Start DTMF 1.5 ["5"] 33 ME \rightarrow USS Start DTMF 1.6 ["6"] 34 ME \rightarrow USS Start DTMF 1.7 ["7"] 35 ME \rightarrow USS Start DTMF 1.8 ["8"] 36 ME \rightarrow USS Start DTMF 1.9 ["9"] 37 ME \rightarrow USS Start DTMF 1.10 ["0"] 38 ME \rightarrow UICC 39 UICC \rightarrow ME 40 User \rightarrow ME 40 User \rightarrow ME 41 User \rightarrow ME Set up a call to "+0123456789" | 26 | $UICC \to ME$ | | |
| $ \begin{array}{cccccccccccccccccccccccccccccccccccc$ | 27 | ME → USER | Do not locally generate audible DTMF tones and play them to the | [Alpha identifier is displayed with normal font size] |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 28 | $ME \to USS$ | | ["1"] |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | | | | |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | | | Start DTMF 1.3 | |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 31 | | | |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | | | Start DTMF 1.5 | |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 33 | | Start DTMF 1.6 | |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | | | | |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | | | Start DTMF 1.8 | |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | | | | |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 37 | | Start DTMF 1.10 | |
| 39 | 38 | | | |
| 40 User → ME End the call 41 User → ME Set up a call to "+0123456789" | 39 | $UICC \to ME$ | PROACTIVE UICC SESSION | |
| 41 User → ME Set up a call to "+0123456789" | 40 | User \rightarrow MF | | |
| | | | | |
| 42 ME → USS The ME attempts to set up a call to "+0123456789" | 42 | ME → USS | The ME attempts to set up a call to | |
| 43 USS → ME The ME receives the CONNECT message from the USS. | 43 | $USS \to ME$ | The ME receives the CONNECT | |
| 44 UICC → ME PROACTIVE COMMAND PENDING: SEND DTMF 4.4.1 | 44 | $UICC \to ME$ | PROACTIVE COMMAND | |

| 45 | $ME \to UICC$ | FETCH | |
|----------|---|---|---|
| 46 | $UICC \rightarrow ME$ | PROACTIVE COMMAND: SEND | |
| | | DTMF 4.4.1 | |
| 47 | $ME \to USER$ | | [Alpha identifier is displayed with large font |
| | | Do not locally generate audible | size] |
| | | DTMF tones and play them to the | |
| 40 | | user. | 511 4 113 |
| 48 | $ME \rightarrow USS$ | Start DTMF 1.1 | ["1"] |
| 49 | ME → USS | Start DTMF 1.2 | ["2"] |
| 50 | ME → USS | Start DTMF 1.3 | ["3"] |
| 51 | ME → USS | Start DTMF 1.4 | ["4"] |
| 52 | ME → USS | Start DTMF 1.6 | ["5"] |
| 53 54 | ME → USS | Start DTMF 1.6 Start DTMF 1.7 | ["6"] |
| 55 | ME → USS | Start DTMF 1.7 | ["7"] ["8"] |
| 56 | $\begin{array}{c} ME \to USS \\ ME \to USS \end{array}$ | Start DTMF 1.9 | ["9"] |
| 57 | $ME \rightarrow USS$ | Start DTMF 1.10 | ["0"] |
| 58 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| 30 | WIL → OICC | DTMF 4.4.1 | [Command performed successibility] |
| 59 | $UICC \to ME$ | PROACTIVE UICC SESSION | |
| | | ENDED | |
| 60 | $User \to ME$ | End the call | |
| 61 | $User \to ME$ | Set up a call to "+0123456789" | |
| 62 | $ME \to USS$ | The ME attempts to set up a call to | |
| | | "+0123456789" | |
| 63 | $USS \to ME$ | The ME receives the CONNECT | |
| 64 | $UICC \to ME$ | message from the USS. PROACTIVE COMMAND | |
| 04 | OICC → IVIE | PENDING: SEND DTMF 4.4.3 | |
| 65 | $ME \rightarrow UICC$ | FETCH | |
| 66 | $UICC \rightarrow ME$ | PROACTIVE COMMAND: SEND | |
| | 0.00 / | DTMF 4.4.3 | |
| 67 | $ME \to USER$ | Display "Send DTMF" | [Alpha identifier is displayed with normal font |
| | | Do not locally generate audible | size] |
| | | DTMF tones and play them to the | |
| 00 | ME LIGO | USET. | F! 4 3 |
| 68 | ME → USS | Start DTMF 1.1 | ["1"] ["2"] |
| 69 70 | ME → USS | Start DTMF 1.2 Start DTMF 1.3 | [2] |
| 71 | $\begin{array}{c} ME \to USS \\ ME \to USS \end{array}$ | Start DTMF 1.4 | ["4"] |
| 72 | $ME \rightarrow USS$ | Start DTMF 1.5 | ["5"] |
| 73 | $ME \rightarrow USS$ | Start DTMF 1.6 | ["6"] |
| 74 | $ME \rightarrow USS$ | Start DTMF 1.7 | ["7"] |
| 75 | $ME \rightarrow USS$ | Start DTMF 1.8 | ["8"] |
| 76 | ME → USS | Start DTMF 1.9 | ["9"] |
| 77 | ME → USS | Start DTMF 1.10 | ["0"] |
| 78 | ME → UICC | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| | , 5.50 | DTMF 4.4.1 | , |
| 79 | $UICC \to ME$ | PROACTIVE UICC SESSION | |
| | | ENDED | |
| 80 | $User \to ME$ | End the call | |

PROACTIVE COMMAND: SEND DTMF 4.4.1

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: "Send DTMF 1"

Formatting position: 0 Formatting length: 11

Formatting mode: Left Alignment, Large Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 23 | 81 | 03 | 01 | 14 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0B | 53 | 65 | 6E | 64 | 20 | 44 | 54 | 4D | 46 | 20 | 31 |
| | AC | 05 | 21 | 43 | 65 | 87 | 09 | D0 | 04 | 00 | 0B | 04 |
| | B4 | | | | | | | | | | | |

PROACTIVE COMMAND: SEND DTMF 4.4.2

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: "Send DTMF 2"

DTMF String: "1234567890"

Text Attribute

Formatting position: 0 Formatting length: 11

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 23 | 81 | 03 | 01 | 14 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| - | 0B | 53 | 65 | 6E | 64 | 20 | 44 | 54 | 4D | 46 | 20 | 32 |
| | AC | 05 | 21 | 43 | 65 | 87 | 09 | D0 | 04 | 00 | 0B | 00 |
| | B4 | | | | | | | | | | | |

PROACTIVE COMMAND: SEND DTMF 4.4.3

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Send DTMF 3"
DTMF String: "1234567890"

| BER-TLV: | D0 | 1D | 81 | 03 | 01 | 14 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| · | 0B | 53 | 65 | 6E | 64 | 20 | 44 | 54 | 4D | 46 | 20 | 33 |
| | AC | 05 | 21 | 43 | 65 | 87 | 09 | | | | | |

TERMINAL RESPONSE: SEND DTMF 4.4.1

Logically:

Command details

Command number:

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 14 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

27.22.4.24.4.4.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.4.

27.22.4.24.4.5 SEND DTMF (support of Text Attribute – Small Font Size)

27.22.4.24.4.5.1 Definition and applicability

See clause 3.2.2.

27.22.4.24.4.5.2 Conformance requirement

The ME shall support the Proactive UICC: Send DTMF facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.24, clause 6.6.24, clause 8.12.2, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.44 and clause 8.70.

27.22.4.24.4.5.3 Test purpose

To verify that after a call has been successfully established the ME sends the DTMF string contained in the SEND DTMF proactive UICC command to the network, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that the ME does not locally generate audible DTMF tones and play them to the user.

To verify that if the ME is in idle mode it informs the UICC using TERMINAL RESPONSE '20' with the additional information "Not in speech call".

To verify that the ME displays the text contained in the SEND DTMF proactive UICC command.

To verify that the ME displays the alpha identifier according to the small font size text attribute configuration which are referred to in the contents of the SEND DTMF proactive UICC command.

27.22.4.24.4.5.4 Method of test

27.22.4.24.4.5.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as USIM Application Toolkit default.

27.22.4.24.4.5.4.2 Procedure

Expected Sequence 4.5 (SEND DTMF, with text attribute – Small Font Size)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|---|
| 1 | $User \rightarrow ME$ | Set up a call to "+0123456789" | |
| 2 | $ME \to USS$ | The ME attempts to set up a call to "+0123456789" | |
| 3 | $USS \to ME$ | The ME receives the CONNECT message from the USS. | |
| 4 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND DTMF 4.5.1 | |
| 5 | ME → UICC | FETCH | |
| 6 | UICC → ME | PROACTIVE COMMAND: SEND DTMF 4.5.1 | |
| 7 | $ME \rightarrow USER$ | Display "Send DTMF" Do not locally generate audible DTMF tones and play them to the | [Alpha identifier is displayed with small font size] |
| 8 | $ME \rightarrow USS$ | user. Start DTMF 1.1 | ["1"] |
| 9 | $ME \rightarrow USS$ | Start DTMF 1.2 | ["2"] |
| 10 | $ME \rightarrow USS$ | Start DTMF 1.3 | ["3"] |
| 11 | $ME \rightarrow USS$ | Start DTMF 1.4 | ["4"] |
| 12 | $ME \rightarrow USS$ | Start DTMF 1.5 | ["5"] |
| 13 | $ME \rightarrow USS$ | Start DTMF 1.6 | ["6"] |
| 14 | ME → USS | Start DTMF 1.7 | ["7"] |
| 15 | ME → USS | Start DTMF 1.8 | ["8"] |
| 16 | ME → USS | Start DTMF 1.9 | ["9"] |
| 17 | ME → USS | Start DTMF 1.10 | ["0"] |
| 18 | ME → UICC | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| 19 | $UICC \to ME$ | PROACTIVE UICC SESSION ENDED | |
| 20 | $User \rightarrow ME$ | End the call | |
| 21 | User \rightarrow ME | Set up a call to "+0123456789" | |
| 22 | $ME \rightarrow USS$ | The ME attempts to set up a call to "+0123456789" | |
| 23 | $USS \to ME$ | The ME receives the CONNECT message from the USS. | |
| 24 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND DTMF 4.5.2 | |
| 25 | $ME \rightarrow UICC$ | FETCH | |
| 26 | $UICC \to ME$ | PROACTIVE COMMAND: SEND DTMF 4.5.2 | |
| 27 | ME → USER | Display "Send DTMF" Do not locally generate audible DTMF tones and play them to the user. | [Alpha identifier is displayed with normal font size] |
| 28 | $ME \to USS$ | Start DTMF 1.1 | ["1"] |
| 29 | ME → USS | Start DTMF 1.2 | ["2"] |
| 30 | $ME \rightarrow USS$ | Start DTMF 1.3 | ["3"] |
| 31 | $ME \rightarrow USS$ | Start DTMF 1.4 | ["4"] |
| 32 | $ME \rightarrow USS$ | Start DTMF 1.5 | ["5"] |
| 33 | $ME \rightarrow USS$ | Start DTMF 1.6 | ["6"] |
| 34 | $ME \rightarrow USS$ | Start DTMF 1.7 | ["7"] |
| 35 | $ME \rightarrow USS$ | Start DTMF 1.8 | ["8"] |
| 36 | $ME \rightarrow USS$ | Start DTMF 1.9 | ["9"] |
| 37 | ME → USS | Start DTMF 1.10 | ["0"] |
| 38 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| 39 | $UICC \to ME$ | DTMF 4.5.1 PROACTIVE UICC SESSION ENDED | |
| 40 | User → ME | End the call | |
| 41 | User → ME | Set up a call to "+0123456789" | |
| 42 | ME → USS | The ME attempts to set up a call to | |
| 43 | USS → ME | "+0123456789" The ME receives the CONNECT | |
| 44 | | message from the USS. PROACTIVE COMMAND | |
| 44 | UICC → ME | PENDING: SEND DTMF 4.5.1 | |

| 45 | $ME \rightarrow UICC$ | FETCH | |
|----------|---|---|---|
| 46 | | PROACTIVE COMMAND: SEND | |
| | | DTMF 4.5.1 | |
| 47 | $ME \rightarrow USER$ | Display "Send DTMF" | [Alpha identifier is displayed with small font |
| | | Do not locally generate audible | size] |
| | | DTMF tones and play them to the | |
| 40 | | user. | 50.4.03 |
| 48 | ME → USS | Start DTMF 1.1 | ["1"] |
| 49 | ME → USS | Start DTMF 1.2 | ["2"] |
| 50 | ME → USS | Start DTMF 1.3 | ["3"] |
| 51 | ME → USS | Start DTMF 1.4 | ["4"] |
| 52 | ME → USS | Start DTMF 1.6 | ["5"] |
| 53 54 | ME → USS | Start DTMF 1.6 Start DTMF 1.7 | ["6"] |
| 55 | ME → USS | Start DTMF 1.7 | ["7"] ["8"] |
| 56 | $\begin{array}{c} ME \to USS \\ ME \to USS \end{array}$ | Start DTMF 1.9 | ["9"] |
| 57 | $ME \rightarrow USS$ | Start DTMF 1.10 | ["0"] |
| 58 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| 30 | IVIL -> OICC | DTMF 4.5.1 | [Continuate performed successfully] |
| 59 | $UICC \to ME$ | PROACTIVE UICC SESSION | |
| | | ENDED | |
| 60 | $User \to ME$ | End the call | |
| 61 | $User \to ME$ | Set up a call to "+0123456789" | |
| 62 | $ME \to USS$ | The ME attempts to set up a call to | |
| | | "+0123456789" | |
| 63 | $USS \to ME$ | The ME receives the CONNECT | |
| 64 | $UICC \to ME$ | message from the USS. PROACTIVE COMMAND | |
| 04 | OICC → IVIE | PENDING: SEND DTMF 4.5.3 | |
| 65 | $ME \rightarrow UICC$ | FETCH 1.0.10 | |
| 66 | UICC → ME | PROACTIVE COMMAND: SEND | |
| | | DTMF 4.5.3 | |
| 67 | $ME \rightarrow USER$ | Display "Send DTMF" | [Alpha identifier is displayed with normal font |
| | | Do not locally generate audible | size] |
| | | DTMF tones and play them to the | |
| 60 | ME LICC | user. Start DTMF 1.1 | ["4"] |
| 68 | ME → USS | | ["1"] ["2"] |
| 69 70 | ME → USS | Start DTMF 1.2 Start DTMF 1.3 | ["3"] |
| 71 | $\begin{array}{c} ME \to USS \\ ME \to USS \end{array}$ | Start DTMF 1.4 | ["4"] |
| 72 | $ME \rightarrow USS$ | Start DTMF 1.5 | ["5"] |
| 73 | $ME \rightarrow USS$ | Start DTMF 1.6 | ["6"] |
| 74 | $ME \rightarrow USS$ | Start DTMF 1.7 | ["7"] |
| 75 | ME → USS | Start DTMF 1.8 | ["8"] |
| 76 | $ME \rightarrow USS$ | Start DTMF 1.9 | ["9"] |
| 77 | ME → USS | Start DTMF 1.10 | ["0"] |
| 78 | ME → UICC | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| | | DTMF 4.5.1 | |
| 79 | $UICC \to ME$ | PROACTIVE UICC SESSION | |
| | | ENDED | |
| 80 | $User \to ME$ | End the call | |

PROACTIVE COMMAND: SEND DTMF 4.5.1

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: "Send DTMF 1"

Formatting position: 0 Formatting length: 11

Formatting mode: Left Alignment, Small Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 23 | 81 | 03 | 01 | 14 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0B | 53 | 65 | 6E | 64 | 20 | 44 | 54 | 4D | 46 | 20 | 31 |
| | AC | 05 | 21 | 43 | 65 | 87 | 09 | D0 | 04 | 00 | 0B | 80 |
| | B4 | | | | | | | | | | | |

PROACTIVE COMMAND: SEND DTMF 4.5.2

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: "Send DTMF 2"

DTMF String: "1234567890"

Text Attribute

Formatting position: 0 Formatting length: 11

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 23 | 81 | 03 | 01 | 14 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| - | 0B | 53 | 65 | 6E | 64 | 20 | 44 | 54 | 4D | 46 | 20 | 32 |
| | AC | 05 | 21 | 43 | 65 | 87 | 09 | D0 | 04 | 00 | 0B | 00 |
| | B4 | | | | | | | | | | | |

PROACTIVE COMMAND: SEND DTMF 4.5.3

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Send DTMF 3" DTMF String: "1234567890"

| BER-TLV: | D0 | 1D | 81 | 03 | 01 | 14 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0B | 53 | 65 | 6E | 64 | 20 | 44 | 54 | 4D | 46 | 20 | 33 |
| | AC | 05 | 21 | 43 | 65 | 87 | 09 | | | | | |

TERMINAL RESPONSE: SEND DTMF 4.5.1

Logically:

Command details

Command number:

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 14 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

27.22.4.24.4.5.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.5.

27.22.4.24.4.6 SEND DTMF (support of Text Attribute – Bold On)

27.22.4.24.4.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.24.4.6.2 Conformance requirement

The ME shall support the Proactive UICC: Send DTMF facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.24, clause 6.6.24, clause 8.12.2, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.44 and clause 8.70.

27.22.4.24.4.6.3 Test purpose

To verify that after a call has been successfully established the ME sends the DTMF string contained in the SEND DTMF proactive UICC command to the network, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that the ME does not locally generate audible DTMF tones and play them to the user.

To verify that if the ME is in idle mode it informs the UICC using TERMINAL RESPONSE '20' with the additional information "Not in speech call".

To verify that the ME displays the text contained in the SEND DTMF proactive UICC command.

To verify that the ME displays the alpha identifier according to the bold text attribute configuration which are referred to in the contents of the SEND DTMF proactive UICC command.

27.22.4.24.4.6.4 Method of test

27.22.4.24.4.6.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as USIM Application Toolkit default.

27.22.4.24.4.6.4.2 Procedure

Expected Sequence 4.6 (SEND DTMF, with text attribute – Bold On)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--|---|
| 1 | $User \rightarrow ME$ | Set up a call to "+0123456789" | |
| 2 | $ME \to USS$ | The ME attempts to set up a call to "+0123456789" | |
| 3 | $USS \to ME$ | The ME receives the CONNECT message from the USS. | |
| 4 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND DTMF 4.6.1 | |
| 5 | ME → UICC | FETCH | |
| 6 | UICC → ME | PROACTIVE COMMAND: SEND | |
| 7 | $ME \rightarrow USER$ | Display "Send DTMF" Do not locally generate audible | [Alpha identifier is displayed with bold on] |
| | | DTMF tones and play them to the user. | |
| 8 | $ME \to USS$ | Start DTMF 1.1 | ["1"] |
| 9 | ME → USS | Start DTMF 1.2 | ["2"] |
| 10 | ME → USS | Start DTMF 1.3 | ["3"] |
| 11 | ME → USS | Start DTMF 1.4 | ["4"] |
| 12 | ME → USS | Start DTMF 1.5 | ["5"] |
| 13 | ME → USS | Start DTMF 1.6 | ["6"] |
| 14 | ME → USS | Start DTMF 1.7 | ["7"] |
| 15 | ME → USS | Start DTMF 1.8 | ["8"] |
| 16 | ME → USS | Start DTMF 1.9 | ["9"] |
| 17 | ME → USS | Start DTMF 1.10 | ["0"] |
| 18 | ME → UICC | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| 19 | $UICC \to ME$ | PROACTIVE UICC SESSION ENDED | |
| 20 | User \rightarrow ME | End the call | |
| 21 | User → ME | Set up a call to "+0123456789" | |
| 22 | $ME \to USS$ | The ME attempts to set up a call to "+0123456789" | |
| 23 | $USS \to ME$ | The ME receives the CONNECT message from the USS. | |
| 24 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND DTMF 4.6.2 | |
| 25 | $ME \rightarrow UICC$ | FETCH | |
| 26 | $UICC \to ME$ | PROACTIVE COMMAND: SEND DTMF 4.6.2 | |
| 27 | $ME \rightarrow USER$ | Display "Send DTMF" Do not locally generate audible | [Alpha identifier is displayed with bold off] |
| | | DTMF tones and play them to the user. | |
| 28 | $ME \rightarrow USS$ | Start DTMF 1.1 | ["1"] |
| 29 | ME → USS | Start DTMF 1.2 | ["2"] |
| 30 | $ME \rightarrow USS$ | Start DTMF 1.3 | ["3"] |
| 31 | $ME \rightarrow USS$ | Start DTMF 1.4 | ["4"] |
| 32 | $ME \to USS$ | Start DTMF 1.5 | ["5"] |
| 33 | $ME \rightarrow USS$ | Start DTMF 1.6 | ["6"] |
| 34 | $ME \to USS$ | Start DTMF 1.7 | ["7"] |
| 35 | $ME \rightarrow USS$ | Start DTMF 1.8 | ["8"] |
| 36 | $ME \rightarrow USS$ | Start DTMF 1.9 | ["9"] |
| 37 | $ME \rightarrow USS$ | Start DTMF 1.10 | ["0"] |
| 38 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND DTMF 4.6.1 | [Command performed successfully] |
| 39 | $UICC \to ME$ | PROACTIVE UICC SESSION ENDED | |
| 40 | $User \rightarrow ME$ | End the call | |
| 41 | $User \rightarrow ME$ | Set up a call to "+0123456789" | |
| 42 | $ME \rightarrow USS$ | The ME attempts to set up a call to "+0123456789" | |
| 43 | $USS \to ME$ | The ME receives the CONNECT message from the USS. | |
| 44 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND DTMF 4.6.1 | |

| 45 | $ME \to UICC$ | FETCH | |
|----------|---|---|---|
| 46 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | |
| | | DTMF 4.6.1 | |
| 47 | $ME \to USER$ | | [Alpha identifier is displayed with bold on] |
| | | Do not locally generate audible | |
| | | DTMF tones and play them to the | |
| 40 | ME LICC | USEr. | ["4"] |
| 48 49 | ME → USS | Start DTMF 1.1 Start DTMF 1.2 | ["1"] ["2"] |
| 50 | $\begin{array}{c} ME \to USS \\ ME \to USS \end{array}$ | Start DTMF 1.2 | ["3"] |
| 51 | $ME \rightarrow USS$ | Start DTMF 1.4 | [3] |
| 52 | $ME \rightarrow USS$ | Start DTMF 1.5 | ["5"] |
| 53 | $ME \rightarrow USS$ | Start DTMF 1.6 | ["6"] |
| 54 | $ME \rightarrow USS$ | Start DTMF 1.7 | ["7"] |
| 55 | ME → USS | Start DTMF 1.8 | ["8"] |
| 56 | ME → USS | Start DTMF 1.9 | ["9"] |
| 57 | $ME \rightarrow USS$ | Start DTMF 1.10 | ["0"] |
| 58 | ME → UICC | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| | | DTMF 4.6.1 | . , , , , , , , , , , , , , , , , , , , |
| 59 | $UICC \to ME$ | PROACTIVE UICC SESSION | |
| | | ENDED | |
| 60 | User → ME | End the call | |
| 61 | User → ME | Set up a call to "+0123456789" | |
| 62 | $ME \rightarrow USS$ | The ME attempts to set up a call to | |
| 63 | $USS \to ME$ | "+0123456789" The ME receives the CONNECT | |
| 0.5 | | message from the USS. | |
| 64 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | 0.00 / | PENDING: SEND DTMF 4.6.3 | |
| 65 | $ME \rightarrow UICC$ | FETCH | |
| 66 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | |
| | | DTMF 4.6.3 | |
| 67 | $ME \rightarrow USER$ | Display "Send DTMF" | [Alpha identifier is displayed with bold off] |
| | | Do not locally generate audible DTMF tones and play them to the | |
| | | user. | |
| 68 | $ME \to USS$ | Start DTMF 1.1 | ["1"] |
| 69 | $ME \rightarrow USS$ | Start DTMF 1.2 | ["2"] |
| 70 | $ME \rightarrow USS$ | Start DTMF 1.3 | ["3"] |
| 71 | $ME \to USS$ | Start DTMF 1.4 | ["4"] |
| 72 | $ME \to USS$ | Start DTMF 1.5 | ["5"] |
| 73 | $ME \to USS$ | Start DTMF 1.6 | ["6"] |
| 74 | $ME \to USS$ | Start DTMF 1.7 | ["7"] |
| 75 | $ME \to USS$ | Start DTMF 1.8 | ["8"] |
| 76 | $ME \to USS$ | Start DTMF 1.9 | ["9"] |
| 77 | $ME \to USS$ | Start DTMF 1.10 | ["0"] |
| 78 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| 79 | $UICC \to ME$ | DTMF 4.6.1 PROACTIVE UICC SESSION | |
| 19 | UICC → IVIE | ENDED | |
| 80 | $User \to ME$ | End the call | |
| | 300. / IIIL | | |

PROACTIVE COMMAND: SEND DTMF 4.6.1

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: "Send DTMF 1"

Formatting position: 0 Formatting length: 11

Formatting mode: Left Alignment, Normal Font, Bold On, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 23 | 81 | 03 | 01 | 14 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0B | 53 | 65 | 6E | 64 | 20 | 44 | 54 | 4D | 46 | 20 | 31 |
| | AC | 05 | 21 | 43 | 65 | 87 | 09 | D0 | 04 | 00 | 0B | 10 |
| | B4 | 00 | | | | | | | | | | |

PROACTIVE COMMAND: SEND DTMF 4.6.2

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network
identifier: "Send DTMF 2"

Alpha identifier: "SDTMF String: "1234567890"

Text Attribute

Formatting position: 0 Formatting length: 11

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 23 | 81 | 03 | 01 | 14 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0B | 53 | 65 | 6E | 64 | 20 | 44 | 54 | 4D | 46 | 20 | 32 |
| | AC | 05 | 21 | 43 | 65 | 87 | 09 | D0 | 04 | 00 | 0B | 00 |
| | B4 | | | | | | | | | | | |

PROACTIVE COMMAND: SEND DTMF 4.6.3

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Send DTMF 3" DTMF String: "1234567890"

| BER-TLV: | D0 | 1D | 81 | 03 | 01 | 14 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| · | 0B | 53 | 65 | 6E | 64 | 20 | 44 | 54 | 4D | 46 | 20 | 33 |
| | AC | 05 | 21 | 43 | 65 | 87 | 09 | | | | | |

TERMINAL RESPONSE: SEND DTMF 4.6.1

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

27.22.4.24.4.6.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.6.

27.22.4.24.4.7 SEND DTMF (support of Text Attribute – Italic On)

27.22.4.24.4.7.1 Definition and applicability

See clause 3.2.2.

27.22.4.24.4.7.2 Conformance requirement

The ME shall support the Proactive UICC: Send DTMF facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.24, clause 6.6.24, clause 8.12.2, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.44 and clause 8.70.

27.22.4.24.4.7.3 Test purpose

To verify that after a call has been successfully established the ME sends the DTMF string contained in the SEND DTMF proactive UICC command to the network, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that the ME does not locally generate audible DTMF tones and play them to the user.

To verify that if the ME is in idle mode it informs the UICC using TERMINAL RESPONSE '20' with the additional information "Not in speech call".

To verify that the ME displays the text contained in the SEND DTMF proactive UICC command.

To verify that the ME displays the alpha identifier according to the italic text attribute configuration which are referred to in the contents of the SEND DTMF proactive UICC command.

27.22.4.24.4.7.4 Method of test

27.22.4.24.4.7.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as USIM Application Toolkit default.

27.22.4.24.4.7.4.2 Procedure

Expected Sequence 4.7 (SEND DTMF, with text attribute – Italic On)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|---|
| 1 | $User \rightarrow ME$ | Set up a call to "+0123456789" | |
| 2 | $ME \to USS$ | The ME attempts to set up a call to "+0123456789" | |
| 3 | $USS \to ME$ | The ME receives the CONNECT message from the USS. | |
| 4 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND DTMF 4.7.1 | |
| 5 | $ME \rightarrow UICC$ | FETCH | |
| 6 | $UICC \to ME$ | PROACTIVE COMMAND: SEND DTMF 4.7.1 | |
| 7 | ME → USER | Display "Send DTMF" Do not locally generate audible DTMF tones and play them to the user. | [Alpha identifier is displayed with italic on] |
| 8 | $ME \to USS$ | Start DTMF 1.1 | ["1"] |
| 9 | $ME \to USS$ | Start DTMF 1.2 | ["2"] |
| 10 | $ME \rightarrow USS$ | Start DTMF 1.3 | ["3"] |
| 11 | $ME \rightarrow USS$ | Start DTMF 1.4 | ["4"] |
| 12 | $ME \rightarrow USS$ | Start DTMF 1.5 | ["5"] |
| 13 | ME → USS | Start DTMF 1.6 | ["6"] |
| 14 | ME → USS | Start DTMF 1.7 | ["7"] |
| 15 | $ME \rightarrow USS$ | Start DTMF 1.8 | ["8"] |
| 16 | ME → USS | Start DTMF 1.9 | ["9"] |
| 17 | ME → USS | Start DTMF 1.10 | ["0"] |
| 18 | ME → UICC | TERMINAL RESPONSE: SEND DTMF 4.7.1 | [Command performed successfully] |
| 19 | $UICC \to ME$ | PROACTIVE UICC SESSION ENDED | |
| 20 | $User \to ME$ | End the call | |
| 21 | $User \to ME$ | Set up a call to "+0123456789" | |
| 22 | $ME \rightarrow USS$ | The ME attempts to set up a call to "+0123456789" | |
| 23 | $USS \to ME$ | The ME receives the CONNECT message from the USS. | |
| 24 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND DTMF 4.7.2 | |
| 25 | / 0.00 | FETCH | |
| 26 | UICC → ME | PROACTIVE COMMAND: SEND DTMF 4.7.2 | |
| 27 | ME → USER | Display "Send DTMF" Do not locally generate audible DTMF tones and play them to the user. | [Alpha identifier is displayed with italic off] |
| 28 | $ME \to USS$ | Start DTMF 1.1 | ["1"] |
| 29 | $ME \rightarrow USS$ | Start DTMF 1.2 | ["2"] |
| 30 | $ME \rightarrow USS$ | Start DTMF 1.3 | ["3"] |
| 31 | $ME \to USS$ | Start DTMF 1.4 | ["4"] |
| 32 | $ME \to USS$ | Start DTMF 1.5 | ["5"] |
| 33 | $ME \to USS$ | Start DTMF 1.6 | ["6"] |
| 34 | $ME \to USS$ | Start DTMF 1.7 | ["7"] |
| 35 | $ME \to USS$ | Start DTMF 1.8 | ["8"] |
| 36 | $ME \to USS$ | Start DTMF 1.9 | ["9"] |
| 37 | $ME \to USS$ | Start DTMF 1.10 | ["0"] |
| 38 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND DTMF 4.7.1 | [Command performed successfully] |
| 39 | $UICC \to ME$ | PROACTIVE UICC SESSION ENDED | |
| 40 | $User \to ME$ | End the call | |
| 41 | $User \to ME$ | Set up a call to "+0123456789" | |
| 42 | $ME \rightarrow USS$ | The ME attempts to set up a call to "+0123456789" | |
| 43 | $USS \to ME$ | The ME receives the CONNECT message from the USS. | |
| 44 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND DTMF 4.7.1 | |

| 45 | $ME \rightarrow UICC$ | FETCH | |
|----------|---|---|---|
| 46 | $UICC \rightarrow ME$ | PROACTIVE COMMAND: SEND | |
| | | DTMF 4.7.1 | |
| 47 | $ME \rightarrow USER$ | | [Alpha identifier is displayed with italic on] |
| | | Do not locally generate audible | |
| | | DTMF tones and play them to the | |
| 40 | ME LUCC | USEr. | ן ווא ווז |
| 48 49 | ME → USS | Start DTMF 1.1 Start DTMF 1.2 | ["1"] ["2"] |
| 50 | $\begin{array}{c} ME \to USS \\ ME \to USS \end{array}$ | Start DTMF 1.2 | ["3"] |
| 51 | $ME \rightarrow USS$ | Start DTMF 1.4 | [3] |
| 52 | $ME \rightarrow USS$ | Start DTMF 1.5 | ["5"] |
| 53 | $ME \rightarrow USS$ | Start DTMF 1.6 | ["6"] |
| 54 | $ME \rightarrow USS$ | Start DTMF 1.7 | ["7"] |
| 55 | ME → USS | Start DTMF 1.8 | ["8"] |
| 56 | ME → USS | Start DTMF 1.9 | ["9"] |
| 57 | $ME \rightarrow USS$ | Start DTMF 1.10 | ["0"] |
| 58 | ME → UICC | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| | | DTMF 4.7.1 | . , , , , , , , , , , , , , , , , , , , |
| 59 | $UICC \to ME$ | PROACTIVE UICC SESSION | |
| | | ENDED | |
| 60 | User → ME | End the call | |
| 61 | User → ME | Set up a call to "+0123456789" | |
| 62 | $ME \rightarrow USS$ | The ME attempts to set up a call to | |
| 63 | $USS \to ME$ | "+0123456789" The ME receives the CONNECT | |
| 03 | | message from the USS. | |
| 64 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | 0.00 / | PENDING: SEND DTMF 4.7.3 | |
| 65 | $ME \rightarrow UICC$ | FETCH | |
| 66 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | |
| | | DTMF 4.7.3 | |
| 67 | $ME \rightarrow USER$ | Display "Send DTMF" | [Alpha identifier is displayed with italic off] |
| | | Do not locally generate audible DTMF tones and play them to the | |
| | | user. | |
| 68 | $ME \to USS$ | Start DTMF 1.1 | ["1"] |
| 69 | $ME \rightarrow USS$ | Start DTMF 1.2 | ["2"] |
| 70 | $ME \rightarrow USS$ | Start DTMF 1.3 | ["3"] |
| 71 | $ME \to USS$ | Start DTMF 1.4 | ["4"] |
| 72 | $ME \to USS$ | Start DTMF 1.5 | ["5"] |
| 73 | $ME \to USS$ | Start DTMF 1.6 | ["6"] |
| 74 | $ME \to USS$ | Start DTMF 1.7 | ["7"] |
| 75 | $ME \to USS$ | Start DTMF 1.8 | ["8"] |
| 76 | $ME \to USS$ | Start DTMF 1.9 | ["9"] |
| 77 | $ME \to USS$ | Start DTMF 1.10 | ["0"] |
| 78 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND DTMF 4.7.1 | [Command performed successfully] |
| 79 | $UICC \to ME$ | PROACTIVE UICC SESSION | |
| | | ENDED | |
| 80 | $User \to ME$ | End the call | |

PROACTIVE COMMAND: SEND DTMF 4.7.1

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: "Send DTMF 1"

Formatting position: 0 Formatting length: 11

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic On, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 23 | 81 | 03 | 01 | 14 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0B | 53 | 65 | 6E | 64 | 20 | 44 | 54 | 4D | 46 | 20 | 31 |
| | AC | 05 | 21 | 43 | 65 | 87 | 09 | D0 | 04 | 00 | 0B | 20 |
| | B4 | | | | | | | | | | | |

PROACTIVE COMMAND: SEND DTMF 4.7.2

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Send DTMF 2"

DTMF String: "1234567890"

Text Attribute

Formatting position: 0 Formatting length: 11

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 23 | 81 | 03 | 01 | 14 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| - | 0B | 53 | 65 | 6E | 64 | 20 | 44 | 54 | 4D | 46 | 20 | 32 |
| | AC | 05 | 21 | 43 | 65 | 87 | 09 | D0 | 04 | 00 | 0B | 00 |
| | B4 | | | | | | | | | | | |

PROACTIVE COMMAND: SEND DTMF 4.7.3

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Send DTMF 3"
DTMF String: "1234567890"

| BER-TLV: | D0 | 1D | 81 | 03 | 01 | 14 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| · | 0B | 53 | 65 | 6E | 64 | 20 | 44 | 54 | 4D | 46 | 20 | 33 |
| | AC | 05 | 21 | 43 | 65 | 87 | 09 | | | | | |

TERMINAL RESPONSE: SEND DTMF 4.7.1

Logically:

Command details

Command number:

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 14 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

27.22.4.24.4.7.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.7.

27.22.4.24.4.8 SEND DTMF (support of Text Attribute – Underline On)

27.22.4.24.4.8.1 Definition and applicability

See clause 3.2.2.

27.22.4.24.4.8.2 Conformance requirement

The ME shall support the Proactive UICC: Send DTMF facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.24, clause 6.6.24, clause 8.12.2, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.44 and clause 8.70.

27.22.4.24.4.8.3 Test purpose

To verify that after a call has been successfully established the ME sends the DTMF string contained in the SEND DTMF proactive UICC command to the network, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that the ME does not locally generate audible DTMF tones and play them to the user.

To verify that if the ME is in idle mode it informs the UICC using TERMINAL RESPONSE '20' with the additional information "Not in speech call".

To verify that the ME displays the text contained in the SEND DTMF proactive UICC command.

To verify that the ME displays the alpha identifier according to the underline text attribute configuration which are referred to in the contents of the SEND DTMF proactive UICC command.

27.22.4.24.4.8.4 Method of test

27.22.4.24.4.8.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as USIM Application Toolkit default.

27.22.4.24.4.8.4.2 Procedure

Expected Sequence 4.8 (SEND DTMF, with text attribute – Underline On)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|--|
| 1 | $User \rightarrow ME$ | Set up a call to "+0123456789" | |
| 2 | $ME \to USS$ | The ME attempts to set up a call to "+0123456789" | |
| 3 | $USS \to ME$ | The ME receives the CONNECT message from the USS. | |
| 4 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND DTMF 4.8.1 | |
| 5 | ME → UICC | FETCH | |
| 6 | UICC → ME | PROACTIVE COMMAND: SEND DTMF 4.8.1 | |
| 7 | $ME \rightarrow USER$ | Display "Send DTMF" Do not locally generate audible | [Alpha identifier is displayed with underline on] |
| | | DTMF tones and play them to the user. | |
| 8 | $ME \rightarrow USS$ | Start DTMF 1.1 | ["1"] |
| 9 | $ME \rightarrow USS$ | Start DTMF 1.2 | ["2"] |
| 10 | $ME \rightarrow USS$ | Start DTMF 1.3 | ["3"] |
| 11 | $ME \rightarrow USS$ | Start DTMF 1.4 | ["4"] |
| 12 | $ME \rightarrow USS$ | Start DTMF 1.5 | ["5"] |
| 13 | $ME \rightarrow USS$ | Start DTMF 1.6 | ["6"] |
| 14 | $ME \rightarrow USS$ | Start DTMF 1.7 | ["7"] |
| 15 | $ME \rightarrow USS$ | Start DTMF 1.8 | ["8"] |
| 16 | $ME \rightarrow USS$ | Start DTMF 1.9 | ["9"] |
| 17 | $ME \rightarrow USS$ | Start DTMF 1.10 | ["0"] |
| 18 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND DTMF 4.8.1 | [Command performed successfully] |
| 19 | $UICC \to ME$ | PROACTIVE UICC SESSION ENDED | |
| 20 | $User \rightarrow ME$ | End the call | |
| 21 | $User \rightarrow ME$ | Set up a call to "+0123456789" | |
| 22 | $ME \rightarrow USS$ | The ME attempts to set up a call to "+0123456789" | |
| 23 | $USS \to ME$ | The ME receives the CONNECT message from the USS. | |
| 24 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND DTMF 4.8.2 | |
| 25 | $ME \rightarrow UICC$ | FETCH | |
| 26 | $UICC \to ME$ | PROACTIVE COMMAND: SEND DTMF 4.8.2 | |
| 27 | $ME \rightarrow USER$ | Display "Send DTMF" Do not locally generate audible DTMF tones and play them to the | [Alpha identifier is displayed with underline off] |
| | | user. | |
| 28 | $ME \rightarrow USS$ | Start DTMF 1.1 | ["1"] |
| 29 | $ME \rightarrow USS$ | Start DTMF 1.2 | ["2"] |
| 30 | $ME \rightarrow USS$ | Start DTMF 1.3 | ["3"] |
| 31 | $ME \rightarrow USS$ | Start DTMF 1.4 | ["4"] |
| 32 | $ME \rightarrow USS$ | Start DTMF 1.5 | ["5"] |
| 33 | $ME \rightarrow USS$ | Start DTMF 1.6 | ["6"] |
| 34 | $ME \rightarrow USS$ | Start DTMF 1.7 | ["7"] |
| 35 | $ME \rightarrow USS$ | Start DTMF 1.8 | ["8"] |
| 36 | $ME \rightarrow USS$ | Start DTMF 1.9 | ["9"] |
| 37 | $ME \rightarrow USS$ | Start DTMF 1.10 | ["0"] |
| 38 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND DTMF 4.8.1 | [Command performed successfully] |
| 39 | $UICC \to ME$ | PROACTIVE UICC SESSION ENDED | |
| 40 | $User \to ME$ | End the call | |
| 41 | User → ME | Set up a call to "+0123456789" | |
| 42 | ME → USS | The ME attempts to set up a call to "+0123456789" | |
| 43 | $USS \to ME$ | The ME receives the CONNECT message from the USS. | |
| 44 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND DTMF 4.8.1 | |

| 45 | $ME \rightarrow UICC$ | FETCH | |
|----------|---|--|---|
| 46 | | PROACTIVE COMMAND: SEND | |
| | | DTMF 4.8.1 | |
| 47 | $ME \rightarrow USER$ | Display "Send DTMF" | [Alpha identifier is displayed with underline |
| | | Do not locally generate audible | on] |
| | | DTMF tones and play them to the | |
| 48 | $ME \to USS$ | user. Start DTMF 1.1 | ["1"] |
| 49 | $ME \rightarrow USS$ | Start DTMF 1.2 | ["2"] |
| 50 | $ME \rightarrow USS$ | Start DTMF 1.3 | ["3"] |
| 51 | ME → USS | Start DTMF 1.4 | ["4"] |
| 52 | ME → USS | Start DTMF 1.5 | ["5"] |
| 53 | ME → USS | Start DTMF 1.6 | ["6"] |
| 54 | $ME \rightarrow USS$ | Start DTMF 1.7 | ["7"] |
| 55 | $ME \to USS$ | Start DTMF 1.8 | ["8"] |
| 56 | $ME \to USS$ | Start DTMF 1.9 | ["9"] |
| 57 | $ME \to USS$ | Start DTMF 1.10 | ["0"] |
| 58 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| | | DTMF 4.8.1 | |
| 59 | $UICC \to ME$ | PROACTIVE UICC SESSION | |
| 00 | | ENDED | |
| 60 61 | User → ME | End the call Set up a call to "+0123456789" | |
| 62 | User \rightarrow ME ME \rightarrow USS | The ME attempts to set up a call to | |
| 02 | IVIE → USS | "+0123456789" | |
| 63 | $USS \to ME$ | The ME receives the CONNECT | |
| | 7 | message from the USS. | |
| 64 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND DTMF 4.8.3 | |
| 65 | $ME \rightarrow UICC$ | FETCH | |
| 66 | $UICC \to ME$ | PROACTIVE COMMAND: SEND DTMF 4.8.3 | |
| 67 | $ME \rightarrow USER$ | Display "Send DTMF" | [Alpha identifier is displayed with underline |
| | | Do not locally generate audible | off] |
| | | DTMF tones and play them to the | |
| 60 | ME LIGO | user. Start DTMF 1.1 | ["1"] |
| 68 69 | $\begin{array}{c} ME \to USS \\ ME \to USS \end{array}$ | Start DTMF 1.1 | ['] ["2"] |
| 70 | $ME \rightarrow USS$ | Start DTMF 1.3 | ["3"] |
| 71 | $ME \rightarrow USS$ | Start DTMF 1.4 | ["4"] |
| 72 | $ME \rightarrow USS$ | Start DTMF 1.5 | ["5"] |
| 73 | $ME \rightarrow USS$ | Start DTMF 1.6 | ["6"] |
| 74 | ME → USS | Start DTMF 1.7 | ["7"] |
| 75 | ME → USS | Start DTMF 1.8 | ["8"] |
| 76 | $ME \rightarrow USS$ | Start DTMF 1.9 | ["9"] |
| 77 | $ME \rightarrow USS$ | Start DTMF 1.10 | ["0"] |
| 78 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| | | DTMF 4.8.1 | · |
| 79 | $UICC \to ME$ | PROACTIVE UICC SESSION | |
| 00 | | ENDED | |
| 80 | $User \to ME$ | End the call | |

PROACTIVE COMMAND: SEND DTMF 4.8.1

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: "Send DTMF 1"

Formatting position: 0 Formatting length: 11

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline On,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 23 | 81 | 03 | 01 | 14 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0B | 53 | 65 | 6E | 64 | 20 | 44 | 54 | 4D | 46 | 20 | 31 |
| | AC | 05 | 21 | 43 | 65 | 87 | 09 | D0 | 04 | 00 | 0B | 40 |
| | B4 | | | | | | | | | | | |

PROACTIVE COMMAND: SEND DTMF 4.8.2

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network
identifier: "Send DTMF 2"

Alpha identifier: "Se DTMF String: "1234567890"

Text Attribute

Formatting position: 0 Formatting length: 11

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 23 | 81 | 03 | 01 | 14 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| - | 0B | 53 | 65 | 6E | 64 | 20 | 44 | 54 | 4D | 46 | 20 | 32 |
| | AC | 05 | 21 | 43 | 65 | 87 | 09 | D0 | 04 | 00 | 0B | 00 |
| | B4 | | | | | | | | | | | |

PROACTIVE COMMAND: SEND DTMF 4.8.3

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Send DTMF 3" DTMF String: "1234567890"

| BER-TLV: | D0 | 1D | 81 | 03 | 01 | 14 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| · | 0B | 53 | 65 | 6E | 64 | 20 | 44 | 54 | 4D | 46 | 20 | 33 |
| | AC | 05 | 21 | 43 | 65 | 87 | 09 | | | | | |

TERMINAL RESPONSE: SEND DTMF 4.8.1

Logically:

Command details

Command number:

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 14 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

27.22.4.24.4.8.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.8.

27.22.4.24.4.9 SEND DTMF (support of Text Attribute – Strikethrough On)

27.22.4.24.4.9.1 Definition and applicability

See clause 3.2.2.

27.22.4.24.4.9.2 Conformance requirement

The ME shall support the Proactive UICC: Send DTMF facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.24, clause 6.6.24, clause 8.12.2, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.44 and clause 8.70.

27.22.4.24.4.9.3 Test purpose

To verify that after a call has been successfully established the ME sends the DTMF string contained in the SEND DTMF proactive UICC command to the network, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that the ME does not locally generate audible DTMF tones and play them to the user.

To verify that if the ME is in idle mode it informs the UICC using TERMINAL RESPONSE '20' with the additional information "Not in speech call".

To verify that the ME displays the text contained in the SEND DTMF proactive UICC command.

To verify that the ME displays the alpha identifier according to the strikethrough text attribute configuration which are referred to in the contents of the SEND DTMF proactive UICC command.

27.22.4.24.4.9.4 Method of test

27.22.4.24.4.9.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as USIM Application Toolkit default.

27.22.4.24.4.9.4.2 Procedure

Expected Sequence 4.9 (SEND DTMF, with text attribute – Strikethrough On)

| Do not locally generate audible DTMF tones and play them to the user. | Step | Direction | MESSAGE / Action | Comments |
|---|------|-----------------------|---|--|
| 3 USS → ME | 1 | $User \to ME$ | Set up a call to "+0123456789" | |
| 3 | 2 | | The ME attempts to set up a call to | |
| 4 | 3 | $USS \to ME$ | The ME receives the CONNECT | |
| 6 | 4 | $UICC \to ME$ | PROACTIVE COMMAND | |
| 6 | 5 | ME → UICC | FETCH | |
| 7 | | | | |
| 9 | 7 | $ME \to USER$ | Display "Send DTMF" Do not locally generate audible DTMF tones and play them to the | [Alpha identifier is displayed with strikethrough on] |
| 9 | 8 | $ME \rightarrow USS$ | Start DTMF 1.1 | ["1"] |
| 10 | | | Start DTMF 1.2 | |
| 11 | | | Start DTMF 1.3 | |
| 12 | | | | |
| 13 | | | | |
| 14 | | | | |
| 15 | | | | |
| 16 | | | | |
| 17 | | | | |
| 18 | | | | |
| DTMF 4.9.1 PROACTIVE UICC SESSION ENDED | | | | |
| Ser → ME Set up a call to "+0123456789" | | | DTMF 4.9.1 | [Continuate performed successibility] |
| 21 | | | ENDED | |
| 22 ME → USS The ME attempts to set up a call to "+0123456789" 23 USS → ME | | | | |
| "+0123456789" The ME receives the CONNECT message from the USS. 24 UICC → ME PROACTIVE COMMAND PENDING: SEND DTMF 4.9.2 25 ME → UICC FETCH PROACTIVE COMMAND: SEND DTMF 4.9.2 27 ME → USER Display "Send DTMF" Do not locally generate audible DTMF tones and play them to the user. 28 ME → USS Start DTMF 1.1 ["1"] 29 ME → USS Start DTMF 1.2 ["2"] 30 ME → USS Start DTMF 1.3 ["3"] 31 ME → USS Start DTMF 1.5 ["5"] 33 ME → USS Start DTMF 1.6 ["6"] 34 ME → USS Start DTMF 1.6 ["6"] 35 ME → USS Start DTMF 1.8 ["8"] 36 ME → USS Start DTMF 1.9 ["9"] 37 ME → USS Start DTMF 1.9 ["9"] 38 ME → USS Start DTMF 1.9 ["0"] 39 UICC → ME PROACTIVE UICC SESSION ENDED 40 User → ME HE attempts to set up a call to PROACAL PROACTIVE USE SEND The ME attempts to set up a call to PROACAL PROACTIVE USE SEND The ME attempts to set up a call to PROACTIVE USE SEND The ME attempts to se | | | · · | |
| 24 | | | "+0123456789" | |
| 25 | | | message from the USS. | |
| 26 UICC → ME PROACTIVE COMMAND: SEND DTMF 4.9.2 27 ME → USER Display "Send DTMF" Do not locally generate audible DTMF tones and play them to the user. [Alpha identifier is displayed with strikethr off] 28 ME → USS Start DTMF 1.1 ["1"] 29 ME → USS Start DTMF 1.2 ["2"] 30 ME → USS Start DTMF 1.3 ["3"] 31 ME → USS Start DTMF 1.4 ["4"] 32 ME → USS Start DTMF 1.5 ["5"] 33 ME → USS Start DTMF 1.6 ["6"] 34 ME → USS Start DTMF 1.8 ["8"] 35 ME → USS Start DTMF 1.8 ["8"] 36 ME → USS Start DTMF 1.10 ["9"] 37 ME → USS Start DTMF 1.10 ["0"] 38 ME → UICC DTMF 4.9.1 ["0"] 40 User → ME NDED End the call [Command performed successfully] 40 User → ME USS DET DTMF ADDED End the call [The ME attempts to set up a call to the | | | PENDING: SEND DTMF 4.9.2 | |
| $ \begin{array}{cccccccccccccccccccccccccccccccccccc$ | | | | |
| Do not locally generate audible DTMF tones and play them to the user. Start DTMF 1.1 ["1"] ["2"] ["2"] ["2"] ["3"] ["3"] ["3"] ["3"] ["4"] ["4"] ["5"] ["5"] ["5"] ["5"] ["6"] ["6"] ["6"] ["7"] ["7"] ["7"] ["8"] ["8"] ["9"] ["9"] ["9"] ["9"] ["9"] ["0"] ["0"] ["0"] [Command performed successfully] ["0"] [Command performed successfully] [10 the call 10 | | | DTMF 4.9.2 | |
| $ \begin{array}{cccccccccccccccccccccccccccccccccccc$ | 27 | ME → USER | Do not locally generate audible DTMF tones and play them to the | [Alpha identifier is displayed with strikethrough off] |
| $ \begin{array}{cccccccccccccccccccccccccccccccccccc$ | 28 | $ME \to USS$ | Start DTMF 1.1 | |
| $ \begin{array}{cccccccccccccccccccccccccccccccccccc$ | | $ME \to USS$ | Start DTMF 1.2 | |
| $ \begin{array}{cccccccccccccccccccccccccccccccccccc$ | 30 | | Start DTMF 1.3 | |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | | $ME \to USS$ | Start DTMF 1.4 | |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 32 | $ME \to USS$ | Start DTMF 1.5 | ["5"] |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 33 | $ME \to USS$ | Start DTMF 1.6 | ["6"] |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 34 | $ME \to USS$ | Start DTMF 1.7 | ["7"] |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 35 | $ME \to USS$ | Start DTMF 1.8 | ["8"] |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 36 | $ME \to USS$ | Start DTMF 1.9 | ["9"] |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 37 | $ME \to USS$ | Start DTMF 1.10 | ["0"] |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 38 | $ME \rightarrow UICC$ | | [Command performed successfully] |
| 40 User → ME 41 User → ME 42 ME → USS 43 End the call 44 Set up a call to "+0123456789" 45 The ME attempts to set up a call to "+0123456789" | 39 | $UICC \to ME$ | PROACTIVE UICC SESSION | |
| 41 User → ME Set up a call to "+0123456789" 42 ME → USS The ME attempts to set up a call to | 40 | $User \to ME$ | | |
| 42 ME → USS The ME attempts to set up a call to | | | | |
| | | | | |
| 43 USS → ME The ME receives the CONNECT message from the USS. | 43 | $USS \to ME$ | The ME receives the CONNECT | |
| 44 UICC → ME PROACTIVE COMMAND PENDING: SEND DTMF 4.9.1 | 44 | $UICC \to ME$ | PROACTIVE COMMAND | |

| 45 | $ME \rightarrow UICC$ | leetch . | |
|----------|-----------------------|---|---|
| 46 | $UICC \rightarrow ME$ | PROACTIVE COMMAND: SEND | |
| | OIOO / WIL | DTMF 4.9.1 | |
| 47 | $ME \rightarrow USER$ | Display "Send DTMF" | [Alpha identifier is displayed with strikethrough |
| | | Do not locally generate audible | on] |
| | | DTMF tones and play them to the | |
| | | user. | |
| 48 | $ME \to USS$ | Start DTMF 1.1 | ["1"] |
| 49 | $ME \to USS$ | Start DTMF 1.2 | ["2"] |
| 50 | $ME \to USS$ | Start DTMF 1.3 | ["3"] |
| 51 | $ME \to USS$ | Start DTMF 1.4 | ["4"] |
| 52 | $ME \to USS$ | Start DTMF 1.5 | ["5"] |
| 53 | $ME \to USS$ | Start DTMF 1.6 | ["6"] |
| 54 | $ME \to USS$ | Start DTMF 1.7 | ["7"] |
| 55 | $ME \to USS$ | Start DTMF 1.8 | ["8"] |
| 56 | $ME \to USS$ | Start DTMF 1.9 | ["9"] |
| 57 | $ME \to USS$ | Start DTMF 1.10 | ["0"] |
| 58 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| | | DTMF 4.9.1 | |
| 59 | $UICC \to ME$ | PROACTIVE UICC SESSION | |
| 00 | | ENDED | |
| 60 | User → ME | End the call | |
| 61 | User → ME | Set up a call to "+0123456789" | |
| 62 | $ME \rightarrow USS$ | The ME attempts to set up a call to "+0123456789" | |
| 63 | $USS \to ME$ | The ME receives the CONNECT | |
| | | message from the USS. | |
| 64 | $UICC \rightarrow ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND DTMF 4.9.3 | |
| 65 | ME → UICC | FETCH | |
| 66 | $UICC \to ME$ | PROACTIVE COMMAND: SEND DTMF 4.9.3 | |
| 67 | $ME \rightarrow USER$ | Display "Send DTMF" | [Alpha identifier is displayed with strikethrough |
| | | Do not locally generate audible | off] |
| | | DTMF tones and play them to the | |
| | | user. | |
| 68 | $ME \rightarrow USS$ | Start DTMF 1.1 | ["1"] |
| 69 | $ME \rightarrow USS$ | Start DTMF 1.2 | ["2"] |
| 70 | $ME \rightarrow USS$ | Start DTMF 1.3 | ["3"] |
| 71 | $ME \rightarrow USS$ | Start DTMF 1.4 | ["4"] |
| 72 | ME → USS | Start DTMF 1.5 | ["5"] |
| 73 | $ME \rightarrow USS$ | Start DTMF 1.6 | ["6"] |
| 74 | ME → USS | Start DTMF 1.7 | ["7"] |
| 75 70 | ME → USS | Start DTMF 1.8 | ["8"] |
| 76 77 | ME → USS | Start DTMF 1.9 | ["9"] |
| 77 | ME → USS | Start DTMF 1.10 | ["0"] |
| 78 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND DTMF 4.9.1 | [Command performed successfully] |
| 79 | $UICC \to ME$ | PROACTIVE UICC SESSION | |
| 19 | | ENDED | |
| 80 | User → ME | End the call | |
| | | | |

PROACTIVE COMMAND: SEND DTMF 4.9.1

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: "Send DTMF 1"

Formatting position: 0 Formatting length: 11

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough On

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 23 | 81 | 03 | 01 | 14 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|-----|
| | 0B | 53 | 65 | 6E | 64 | 20 | 44 | 54 | 4D | 46 | 20 | 31 |
| | AC | 05 | 21 | 43 | 65 | 87 | 09 | D0 | 04 | 00 | 0B | 80B |
| | B4 | | | | | | | | | | | |

PROACTIVE COMMAND: SEND DTMF 4.9.2

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Send DTMF 2"

DTMF String: "1234567890"

Text Attribute

Formatting position: 0 Formatting length: 11

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 23 | 81 | 03 | 01 | 14 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0B | 53 | 65 | 6E | 64 | 20 | 44 | 54 | 4D | 46 | 20 | 32 |
| | AC | 05 | 21 | 43 | 65 | 87 | 09 | D0 | 04 | 00 | 0B | 00 |
| | B4 | | | | | | | | | | | |

PROACTIVE COMMAND: SEND DTMF 4.9.3

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Send DTMF 3" DTMF String: "1234567890"

| BER-TLV: | D0 | 1D | 81 | 03 | 01 | 14 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0B | 53 | 65 | 6E | 64 | 20 | 44 | 54 | 4D | 46 | 20 | 33 |
| | AC | 05 | 21 | 43 | 65 | 87 | 09 | | | | | |

TERMINAL RESPONSE: SEND DTMF 4.9.1

Logically:

Command details

Command number:

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| _ | | | | | | | | | | | | | |
|---|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | BER-TLV: | 81 | 03 | 01 | 14 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |

27.22.4.24.4.9.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.9.

27.22.4.24.4.10 SEND DTMF (support of Text Attribute – Foreground and Background Colour)

27.22.4.24.4.10.1 Definition and applicability

See clause 3.2.2.

27.22.4.24.4.10.2 Conformance requirement

The ME shall support the Proactive UICC: Send DTMF facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.24, clause 6.6.24, clause 8.12.2, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.44 and clause 8.70.

27.22.4.24.4.10.3 Test purpose

To verify that after a call has been successfully established the ME sends the DTMF string contained in the SEND DTMF proactive UICC command to the network, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that the ME does not locally generate audible DTMF tones and play them to the user.

To verify that if the ME is in idle mode it informs the UICC using TERMINAL RESPONSE '20' with the additional information "Not in speech call".

To verify that the ME displays the text contained in the SEND DTMF proactive UICC command.

To verify that the ME displays the alpha identifier according to the foreground and background colour text attribute configuration which are referred to in the contents of the SEND DTMF proactive UICC command.

27.22.4.24.4.10.4 Method of test

27.22.4.24.4.10.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as USIM Application Toolkit default.

27.22.4.24.4.10.4.2 Procedure

Expected Sequence 4.10 (SEND DTMF, with text attribute – Foreground and Background Colour)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|--|
| 1 | $User \rightarrow ME$ | Set up a call to "+0123456789" | |
| 2 | $ME \to USS$ | The ME attempts to set up a call to "+0123456789" | |
| 3 | $USS \to ME$ | The ME receives the CONNECT message from the USS. | |
| 4 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND DTMF 4.10.1 | |
| 5 | ME → UICC | FETCH | |
| 6 | UICC → ME | PROACTIVE COMMAND: SEND | |
| | OIGG / WIL | DTMF 4.10.1 | |
| 7 | $ME \rightarrow USER$ | Display "Send DTMF" | [Alpha identifier is displayed with foreground |
| | | Do not locally generate audible DTMF tones and play them to the user. | and background colour according to the text attribute configuration] |
| 8 | $ME \rightarrow USS$ | Start DTMF 1.1 | ["1"] |
| 9 | ME → USS | Start DTMF 1.2 | ["2"] |
| 10 | ME → USS | Start DTMF 1.3 | ["3"] |
| 11 | ME → USS | Start DTMF 1.4 | ["4"] |
| 12 | ME → USS | Start DTMF 1.5 | ["5"] |
| 13 | ME → USS | Start DTMF 1.6 | ["6"] |
| 14 | $ME \rightarrow USS$ | Start DTMF 1.7 | ["7"] |
| 15 | $ME \rightarrow USS$ | Start DTMF 1.8 | ["8"] |
| 16 | $ME \rightarrow USS$ | Start DTMF 1.9 | ["9"] |
| 17 | $ME \rightarrow USS$ | Start DTMF 1.10 | ["0"] |
| 18 | ME → UICC | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| 19 | $UICC \to ME$ | DTMF 4.10.1 PROACTIVE UICC SESSION ENDED | |
| 20 | User → ME | End the call | |
| 21 | User → ME | Set up a call to "+0123456789" | |
| 22 | ME → USS | The ME attempts to set up a call to | |
| | | "+0123456789" | |
| 23 | USS → ME | The ME receives the CONNECT message from the USS. | |
| 24 | UICC → ME | PROACTIVE COMMAND PENDING: SEND DTMF 4.10.2 | |
| 25 | $ME \rightarrow UICC$ | FETCH | |
| 26 | $UICC \to ME$ | PROACTIVE COMMAND: SEND DTMF 4.10.2 | |
| 27 | $ME \rightarrow USER$ | Display "Send DTMF" | [Alpha identifier is displayed with ME"s default |
| | | Do not locally generate audible DTMF tones and play them to the user. | foreground and background colour] |
| 28 | $ME \rightarrow USS$ | Start DTMF 1.1 | ["1"] |
| 29 | ME → USS | Start DTMF 1.2 | ["2"] |
| 30 | ME → USS | Start DTMF 1.3 | ["3"] |
| 31 | ME → USS | Start DTMF 1.4 | ["4"] |
| 32 | ME → USS | Start DTMF 1.5 | ["5"] |
| 33 | ME → USS | Start DTMF 1.6 | ["6"] |
| 34 | ME → USS | Start DTMF 1.7 | ["7"] |
| 35 | $ME \rightarrow USS$ | Start DTMF 1.8 | ["8"] |
| 36 | $ME \rightarrow USS$ | Start DTMF 1.9 | ["9"] |
| 37 | $ME \rightarrow USS$ | Start DTMF 1.10 | ["0"] |
| 38 | $ME \rightarrow USS$ | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| | | DTMF 4.10.1 | [Communic performed Successionly] |
| 39 | $UICC \to ME$ | PROACTIVE UICC SESSION ENDED | |
| 40 | $User \to ME$ | End the call | |

PROACTIVE COMMAND: SEND DTMF 4.10.1

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Send DTMF 1"

DTMF String: "1234567890"

Text Attribute

Formatting position: 0 Formatting length: 11

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 23 | 81 | 03 | 01 | 14 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0B | 53 | 65 | 6E | 64 | 20 | 44 | 54 | 4D | 46 | 20 | 31 |
| | AC | 05 | 21 | 43 | 65 | 87 | 09 | D0 | 04 | 00 | 0B | 00 |
| | B4 | | | | | | | | | | | |

PROACTIVE COMMAND: SEND DTMF 4.10.2

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: "Send DTMF 2"
DTMF String: "1234567890"

Coding:

| BER-TLV: | D0 | 1D | 81 | 03 | 01 | 14 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0B | 53 | 65 | 6E | 64 | 20 | 44 | 54 | 4D | 46 | 20 | 32 |
| | AC | 05 | 21 | 43 | 65 | 87 | 09 | | | | | |

TERMINAL RESPONSE: SEND DTMF 4.10.1

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

| BER-TLV: | 81 | 03 | 01 | 14 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

27.22.4.24.4.10.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.10.

27.22.4.24.5 SEND DTMF (UCS2 Display in Chinese)

27.22.4.24.5.1 Definition and applicability

See clause 3.2.2.

27.22.4.24.5.2 Conformance requirement

The ME shall support the Proactive UICC: Send DTMF facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.24, clause 6.6.24, clause 8.12.2, clause 5.2, clause 8.6, clause 8.7, clause 8.2 and clause 8.44.

Additionally the ME shall support the UCS2 facility for the coding of the Chinese characters, as defined in:

- ISO/IEC 10646. [17].

27.22.4.24.5.3 Test purpose

To verify that the ME displays the UCS2 text contained in the SEND DTMF proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.24.5.4 Method of test

27.22.4.24.5.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table. The elementary files are coded as USIM Application Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

27.22.4.24.5.4.2 Procedure

Expected Sequence 5.1 (SEND DTMF, successful, UCS2 text in Chinese)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|------------------------------------|
| 1 | $User \to ME$ | Set up a call to "+0123456789" | |
| 2 | $ME \to USS$ | The ME attempts to set up a call to "+0123456789" | |
| 3 | $USS \to ME$ | The ME receives the CONNECT message from the USS. | |
| 4 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND DTMF 5.1.1 | |
| 5 | $ME \to UICC$ | FETCH | |
| 6 | $UICC \to ME$ | PROACTIVE COMMAND: SEND DTMF 5.1.1 | |
| 7 | $ME \to USER$ | Display "你好" | ["Hello" in Chinese] |
| 8 | $ME \to USS$ | Start DTMF 1.1 | ["1"] |
| 9 | ME | | No DTMF sending for 3 seconds ±20% |
| 10 | $ME \to USS$ | Start DTMF 1.2 | ["2"] |
| 11 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| 12 | $UICC \to ME$ | DTMF 5.1.1 PROACTIVE UICC SESSION ENDED | |
| 13 | $User \to ME$ | End the call | |

PROACTIVE COMMAND: SEND DTMF 5.1.1

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha Identifier

Text: "你好"
DTMF String: "1" pause "2"

Coding:

| BER-TLV: | D0 | 14 | 81 | 03 | 01 | 14 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 05 | 80 | 4F | 60 | 59 | 7D | AC | 02 | C1 | F2 | | |

TERMINAL RESPONSE: SEND DTMF 5.1.1

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: ME

Destination device: UICC

Result

General Result: Command performed successful

| | BER-TLV: | 81 | 03 | 01 | 14 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 | ĺ |
|--|----------|----|----|----|----|----|----|----|----|----|----|----|----|---|
|--|----------|----|----|----|----|----|----|----|----|----|----|----|----|---|

27.22.4.24.5.5 Test requirement

The ME shall operate in the manner defined in expected sequence 5.1.

27.22.4.24.6 SEND DTMF (UCS2 Display in Katakana)

27.22.4.24.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.24.6.2 Conformance requirement

The ME shall support the Proactive UICC: Send DTMF facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.24, clause 6.6.24, clause 8.12.2, clause 5.2, clause 8.6, clause 8.7, clause 8.2 and clause 8.44.

Additionally the ME shall support the UCS2 facility for the coding of the Katakana characters, as defined in:

- ISO/IEC 10646. [17].

27.22.4.24.6.3 Test purpose

To verify that the ME displays the UCS2 text contained in the SEND DTMF proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.24.6.4 Method of test

27.22.4.24.6.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table. The elementary files are coded as USIM Application Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

27.22.4.24.6.4.2 Procedure

Expected Sequence 6.1 (SEND DTMF, successful, UCS2 text)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|-------------------------------------|------------------------------------|
| 1 | $User \to ME$ | Set up a call to "+0123456789" | |
| 2 | $ME \to USS$ | The ME attempts to set up a call to | |
| | | "+0123456789" | |
| 3 | $USS \to ME$ | The ME receives the CONNECT | |
| | | message from the USS. | |
| 4 | $UICC \to ME$ | PROACTIVE COMMAND | |
| _ | ME 11100 | PENDING: SEND DTMF 6.1.1 | |
| 5 | $ME \rightarrow UICC$ | | |
| 6 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | |
| | | DTMF 6.1.1 | |
| 7 | $ME \rightarrow USER$ | Display "ル" | [Character in Katakana] |
| 8 | $ME \to USS$ | Start DTMF 1.1 | ["1"] |
| 9 | ME | | No DTMF sending for 3 seconds ±20% |
| 10 | $ME \to USS$ | Start DTMF 1.2 | ["2"] |
| 11 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| | | DTMF 6.1.1 | |
| 12 | $UICC \to ME$ | PROACTIVE UICC SESSION | |
| | | ENDED | |
| 13 | $User \to ME$ | End the call | |

PROACTIVE COMMAND: SEND DTMF 6.1.1

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha Identifier

Text: "ル"

DTMF String: "1" pause "2"

Coding:

| BER-TLV: | D0 | 12 | 81 | 03 | 01 | 14 | 00 | 82 | 02 | 81 | 83 | 85 | ĺ |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|---|
| | 03 | 80 | 30 | EB | AC | 02 | C1 | F2 | | | | | İ |

TERMINAL RESPONSE: SEND DTMF 6.1.1

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successful

Coding:

| BER-TLV: | 81 | 03 | 01 | 14 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

27.22.4.24.6.5 Test requirement

The ME shall operate in the manner defined in expected sequence 6.1.

27.22.4.25 LANGUAGE NOTIFICATION

27.22.4.25.1 Definition and applicability

See clause 3.2.2.

27.22.4.25.2 Conformance Requirement

The ME shall conclude the command by sending TERMINAL RESPONSE (OK) to the UICC, as soon as possible after receiving the LANGUAGE NOTIFICATION proactive UICC command.

- TS 31.111 [15] clause 6.4.25 and clause 6.6.25.

27.22.4.25.3 Test purpose

To verify that the ME shall send a TERMINAL RESPONSE (OK) to the UICC after the ME receives the LANGUAGE NOTIFICATION proactive UICC command.

27.22.4.25.4 Method of Test

27.22.4.25.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

27.22.4.25.4.2 Procedure

Expected Sequence 1.1 (LANGUAGE NOTIFICATION)

See ETSI TS 102 384 [26] in subclause 27.22.4.25.4.2, Expected Sequence 1.1.

Expected Sequence 1.2 (LANGUAGE NOTIFICATION)

See ETSI TS 102 384 [26] in subclause 27.22.4.25.4.2, Expected Sequence 1.2.

27.22.4.25.5 Test requirement

The ME shall operate in the manner defined in expected sequences 1.1 and 1.2.

27.22.4.26 LAUNCH BROWSER

27.22.4.26.1 LAUNCH BROWSER (No session already launched)

27.22.4.26.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.26.1.2 Conformance requirements

The ME shall support the LAUNCH BROWSER Proactive UICC Command as defined in:

- TS 31.111 [15] clause 5.2, clauses 6.4.26 and 6.6.26, clause 8.6, clause 8.7, clause 8.48, clause 9.2, clause 8.2, clause 8.47, clause 8.49, clause 8.50, clause 8.15 and clause 8.31.

27.22.4.26.1.3 Test purpose

To verify that when the ME is in idle state, it launches properly the browser session required in LAUNCH BROWSER, and returns a successful result in the TERMINAL RESPONSE command.

27.22.4.26.1.4 Method of test

27.22.4.26.1.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

A valid access to 2 different Wap gateways is required:

- the default browser parameters (IP address, gateway/proxy identity, called number, URL ...) of the tested mobile shall be properly filled to access one of the gateways ("default gateway")

With that default gateway we shall be able to access to an URL different from the default one.

- another gateway with an IP address different from the one defined in default browser parameters.

The mobile is in idle mode.

Bearer Parameters

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

GPRS Parameters

Network access name: TestGp.rs User login: UserLog User password: UserPwd

UICC/ME interface transport level

Transport format: UDP Port number: 44444

Data destination address 01.01.01.01 (as an example)

Note: If a data destination address different to 01.01.01.01 is used then the network

simulator setup and related UE settings might require a corresponding adaptation.

27.22.4.26.1.4.2 Procedure

Expected Sequence 1.1 (LAUNCH BROWSER, connect to the default URL)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|------------------------------------|---|
| 0 | ME | | [the ME is in idle mode] |
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: LAUNCH BROWSER | |
| | | 1.1.1 | |
| 2 | / 0.00 | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: | [connect to the default URL, "launch browser, |
| | | LAUNCH BROWSER 1.1.1 | if not already launched", no null alpha id.] |
| 4 | $ME \to USER$ | ME displays the alpha identifier | |
| 5 | $USER \to ME$ | The user may have to confirm the | [option: user confirmation] |
| | | launch browser. | |
| 6 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: LAUNCH | [Command performed successfully] |
| | | BROWSER 1.1.1 | |
| 7 | $ME { ightarrow} USS$ | The ME attempts to launch the | |
| | | session with the default browser | |
| | | parameters and the default URL. | |
| 8 | $UICC \to ME$ | PROACTIVE UICC SESSION | |
| | | ENDED | |
| 9 | $USER \to ME$ | The user verifies that the default | |
| | | browser session is properly | |
| | | established. | |
| | | Then he/she ends the navigation. | |
| | | The ME returns in idle mode. | |

PROACTIVE COMMAND: LAUNCH BROWSER 1.1.1

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: UICC

Destination device: ME URL empty

Alpha Identifier "Default URL"

Coding:

| BER-TLV: | D0 | 18 | 81 | 03 | 01 | 15 | 00 | 82 | 02 | 81 | 82 | 31 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | 05 | 0B | 44 | 65 | 66 | 61 | 75 | 6C | 74 | 20 | 55 |
| | 52 | 4C | | | | | | | | | | |

TERMINAL RESPONSE: LAUNCH BROWSER 1.1.1

Logically:

Command details

Command number:

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 15 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | | | | | | | | | | | | |

Expected Sequence 1.2 (LAUNCH BROWSER, connect to the specified URL, alpha identifier length=0)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|-----------------------------------|---|
| 0 | ME | | [the ME is in idle mode] |
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: LAUNCH BROWSER | |
| | | 1.2.1 | |
| 2 | WE / 0100 | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: | [connect to defined URL, "launch browser, if |
| | | LAUNCH BROWSER 1.2.1 | not already launched, alpha identifier length=0] |
| 4 | $ME \to USER$ | No information should be | |
| | | displayed. | |
| 5 | $USER \to ME$ | The user may have to confirm the | [option: user confirmation] |
| | | launch browser. | |
| 6 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: LAUNCH | [Command performed successfully] |
| | | BROWSER 1.2.1 | |
| 7 | $ME { ightarrow} USS$ | The ME attempts to connect the | |
| | | URL specified in the LAUNCH | |
| | | BROWSER command. | |
| 8 | $UICC \to ME$ | PROACTIVE UICC SESSION | |
| | | ENDED | |
| 9 | $USER \to ME$ | The user verifies that the URL is | |
| | | properly connected. | |
| | | Then he/she ends the navigation. | |
| | | The ME returns in idle mode. | |

PROACTIVE COMMAND: LAUNCH BROWSER 1.2.1

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: UICC Destination device: ME

URL http://xxx.yyy.zzz (Note: this URL shall be different from the default URL, but it

can be reached from the gateway defined by default in the browser parameters of the

mobile)

Alpha Identifier empty

Coding:

| BER-TLV: | D0 | 1F | 81 | 03 | 01 | 15 | 00 | 82 | 02 | 81 | 82 | 31 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 12 | 68 | 74 | 74 | 70 | 3A | 2F | 2F | 78 | 78 | 78 | 2E |
| | 79 | 79 | 79 | 2E | 7A | 7A | 7A | 05 | 00 | | | |

TERMINAL RESPONSE: LAUNCH BROWSER 1.2.1

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: 81 03 01 15 00 82 02 82 81 83 01 00 |
|--|
|--|

Expected Sequence 1.3 (LAUNCH BROWSER, Browser identity, no alpha identifier)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--|---|
| 0 | ME | | [the ME is in idle mode] |
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: LAUNCH BROWSER | |
| | | 1.3.1 | |
| 2 | WE / 0100 | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: | [connect to the default URL, "launch browser, |
| | | LAUNCH BROWSER 1.3.1 | if not already launched, browser identity] |
| 4 | $ME \rightarrow USER$ | ME may display a default message | |
| _ | | of its own. | |
| 5 | $USER \to ME$ | The user may confirm the launch | [option: user confirmation] |
| _ | ME 11100 | browser. | 10 |
| 6 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: LAUNCH BROWSER 1.3.1 | [Command performed successfully] |
| 7 | ME→USS | The ME attempts to connect the | |
| ' | WIE→USS | default URL. | |
| 8 | $UICC \to ME$ | PROACTIVE UICC SESSION | |
| | 0100 / III.E | ENDED | |
| 9 | $USER \to ME$ | The user verifies that the default | |
| | | browser session is properly | |
| | | established. | |
| | | Then he/she ends the navigation. | |
| | | The ME returns in idle mode. | |

PROACTIVE COMMAND: LAUNCH BROWSER 1.3.1

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: UICC
Destination device: ME
Browser Identity default
URL empty

Coding::

| BER-TLV: | D0 | 0E | 81 | 03 | 01 | 15 | 00 | 82 | 02 | 81 | 82 | 30 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 01 | 00 | 31 | 00 | | | | | | | | |

TERMINAL RESPONSE: LAUNCH BROWSER 1.3.1

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: 81 03 0 | 15 00 | 82 02 82 | 81 83 | 01 00 |
|------------------------|-------|----------|-------|-------|
|------------------------|-------|----------|-------|-------|

Expected Sequence 1.4 (LAUNCH BROWSER, only GPRS bearer specified and gateway/proxy identity, GPRS supported by USS)

| Step | Direction | MESSAGE / Action | Comments |
|------|---------------|--|--|
| 0 | ME | | [the ME is in idle mode, GPRS supported by USS, GPRS supported by the ME and activated, the terminal might need to be configured with an entry linking the Gateway/Proxy Identity in the proactive command with the corresponding connectivity parameters in the mobile] |
| 2 | | PROACTIVE COMMAND PENDING: LAUNCH BROWSER 1.4.1 FETCH | |
| 3 | L / 0.00 | PROACTIVE COMMAND: LAUNCH BROWSER 1.4.1 | [connect to the default URL, "launch browser, if not already launched, 1 bearer specified, gateway/proxy id specified] |
| 4 | $ME \to USER$ | ME may display a default message | |
| 5 | $USER \to ME$ | The user may confirm the launch browser. | [option: user confirmation] |
| 6 | $ME \to UICC$ | TERMINAL RESPONSE: LAUNCH BROWSER 1.4.1 | [Command performed successfully] |
| 7 | ME→USS | The ME attempts to connect the default URL using the requested bearer and proxy identity | |
| 8 | $UICC \to ME$ | PROACTIVE UICC SESSION ENDED | |
| 9 | $USER \to ME$ | The user verifies that the browser session is properly established with the required bearer. Then he/she ends the navigation. The ME returns in idle mode. | |

PROACTIVE COMMAND: LAUNCH BROWSER 1.4.1

Logically:

Command details

Command number:

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: UICC
Destination device: ME
URL empty
Bearer GPRS

Gateway/Proxy id

DCSunpacked, 8 bits data

Text string abc.def.ghi.jkl (different from the default IP address)

Coding::

| BER-TLV: | D0 | 20 | 81 | 03 | 01 | 15 | 00 | 82 | 02 | 81 | 82 | 31 |
|----------|----------------|----|----|----|----|----|----|----|----------------|----|----|----|
| | 00 | 32 | 01 | 03 | 0D | 10 | 04 | 61 | 6 ² | 63 | 2E | 64 |
| | 6 ⁵ | 66 | 2F | 67 | 68 | 69 | 2F | 6A | 6B | 6C | | |

TERMINAL RESPONSE: LAUNCH BROWSER 1.4.1

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

BER-TLV: 81 03 01 15 00 82 02 82 81 83 01 00

Expected Sequence 1.5 Void

27.22.4.26.1.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 1.1 to 1.4

27.22.4.26.2 LAUNCH BROWSER (Interaction with current session)

27.22.4.26.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.26.2.2 Conformance requirements

The ME shall support the LAUNCH BROWSER Proactive UICC Command as defined in:

- TS 31.111 [15] clause 5.2, clause 6.4.26 and 6.6.26, clause 8.6, clause 8.7, clause 8.48, clause 9.2, clause 8.47, optional clause 8.49, optional clause 8.50, clause 8.15 and clause 8.31.

27.22.4.26.2.3 Test purpose

To verify that when the ME is already busy in a browser session, it launches properly the browser session required in LAUNCH BROWSER, and returns a successful result in the TERMINAL RESPONSE.

27.22.4.26.2.4 Method of test

27.22.4.26.2.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

A valid access to a Wap gateway is required. The default browser parameters (IP address, gateway/proxy identity, called number...) of the tested mobile shall be properly filled to access that gateway.

The mobile is busy in a browser session, the user navigates in pages different from the URL defined by default in browser parameters.

The Bearer Parameters defined in 27.22.4.26.1.4.1 shall be used.

27.22.4.26.2.4.2 Procedure

Expected Sequence 2.1 (LAUNCH BROWSER, use the existing browser, connect to the default URL)

| Step | Direction | MESSAGE / Action | Comments |
|------|---------------|---|---|
| 0 | ME | The user is navigating in a browser | [Browser is in use, the current session is not |
| 1 | $UICC \to ME$ | session (not default URL). PROACTIVE COMMAND PENDING: LAUNCH BROWSER 2.1.1 | secured] |
| 2 | $ME \to UICC$ | FETCH | |
| 3 | | PROACTIVE COMMAND: LAUNCH BROWSER 2.1.1 | [connect to the default URL, "use the existing browser", no null alpha id.] |
| 4 | $ME \to USER$ | ME displays the alpha identifier | |
| 5 | $USER \to ME$ | The user confirms the launch | [user confirmation] |
| 6 | $ME \to UICC$ | browser. TERMINAL RESPONSE: LAUNCH BROWSER 2.1.1 | [Command performed successfully] |
| 7 | ME→USS | The ME does not close the existing session and attempts to connect the default URL. | |
| 8 | $UICC \to ME$ | PROACTIVE UICC SESSION ENDED | |
| 9 | $USER \to ME$ | The user verifies that the default URL is connected; and the previous URL can be retrieved. Then he/she ends the navigation with the default URL. | |

PROACTIVE COMMAND: LAUNCH BROWSER 2.1.1

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER
Command qualifier: use the existing browser

Device identities

Source device: UICC
Destination device: ME
URL empty

Alpha Identifier "Default URL"

Coding:

| BER-TLV: | D0 | 18 | 81 | 03 | 01 | 15 | 02 | 82 | 02 | 81 | 82 | 31 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | 05 | 0B | 44 | 65 | 66 | 61 | 75 | 6C | 74 | 20 | 55 |
| | 52 | 4C | | | | | | | | | | |

TERMINAL RESPONSE: LAUNCH BROWSER 2.1.1

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER
Command qualifier: use the existing browser

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 15 | 02 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

Expected Sequence 2.2 (LAUNCH BROWSER, close the existing browser session and launch new browser session, connect to the default URL)

| Step | Direction | MESSAGE / Action | Comments |
|------|---------------|--|--|
| 0 | ME | The user is navigating in a browser session (not default URL) | [Browser is in use, the current session is not secured] |
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: LAUNCH BROWSER 2.2.1 | · |
| 2 | $ME \to UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: LAUNCH BROWSER 2.2.1 | [connect to the default URL, "close the existing browser session and launch new browser session", no null alpha id.] |
| 4 | $ME \to USER$ | ME displays the alpha identifier | |
| 5 | $USER \to ME$ | The user confirms the launch browser. | [user confirmation] |
| 6 | $ME \to UICC$ | TERMINAL RESPONSE: LAUNCH BROWSER 2.2.1 | [Command performed successfully] |
| 7 | ME→USS | The ME closes the existing session and attempts to launch the session with the default browser parameters and the default URL. | [The UE has the option of maintaining the currently active PDP Context] |
| 8 | $UICC \to ME$ | PROACTIVE UICC SESSION ENDED | |
| 9 | $USER \to ME$ | The user verifies that the default URL is connected. | |
| | | Then he/she ends the navigation. | |

PROACTIVE COMMAND: LAUNCH BROWSER 2.2.1

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: close the existing browser session and launch new browser session

Device identities

Source device: UICC
Destination device: ME
URL empty

Alpha Identifier "Default URL"

Coding:

| BER-TLV: | D0 | 18 | 81 | 03 | 01 | 15 | 03 | 82 | 02 | 81 | 82 | 31 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | 05 | 0B | 44 | 65 | 66 | 61 | 75 | 6C | 74 | 20 | 55 |
| | 52 | 4C | | | | | | | | | | |

TERMINAL RESPONSE: LAUNCH BROWSER 2.2.1

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: close the existing browser session and launch new browser session

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 15 | 03 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|-----------|----|----|----|----|----|----|----|----|----|----|-----|----|
| DLIX-ILV. | 01 | 00 | UI | 10 | 00 | 02 | 02 | 02 | 01 | 00 | O I | 00 |

Expected Sequence 2.3 (LAUNCH BROWSER, if not already launched)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--|---|
| 0 | ME | The user is navigating in a browser | [Browser is in use, the current session is not |
| 1 | UICC → ME | session (not default URL) PROACTIVE COMMAND PENDING: LAUNCH BROWSER 2.3.1 | secured] |
| 2 | $ME \to UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: | [connect to the default URL, "launch browser, |
| 4 | $ME \rightarrow UICC$ | | if not already launched] [ME unable to process command - browser unavailable] |
| 5 | $UICC \to ME$ | PROACTIVE UICC SESSION | , |
| 6 | USER → ME | ENDED The user verifies that the default URL has not been connected. Then he/she ends the navigation. The ME returns in idle mode. | |

PROACTIVE COMMAND: LAUNCH BROWSER 2.3.1

Logically:

Command details

Command number:

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: UICC
Destination device: ME
URL empty

Coding:

| BER-TLV: | D0 | 0B | 81 | 03 | 01 | 15 | 00 | 82 | 02 | 81 | 82 | 31 |
|---------------------------------------|----|----|----|----|----|----|----|----|----|----|----|----|
| · · · · · · · · · · · · · · · · · · · | 00 | | | | | | | | | | | |

TERMINAL RESPONSE: LAUNCH BROWSER 2.3.1

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Launch browser generic error code

Additional data Browser unavailable

Coding:

| BER-TLV: | 81 | 03 | 01 | 15 | 00 | 82 | 02 | 82 | 81 | 83 | 02 | 26 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 02 | | | | | | | | | | | |

27.22.4.26.2.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 2.1 to 2.3.

27.22.4.26.3 LAUNCH BROWSER (UCS2 display in Cyrillic)

27.22.4.26.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.26.3.2 Conformance requirements

The ME shall support the LAUNCH BROWSER Proactive UICC Command as defined in:

- TS 31.111 [15] clause 5.2, clauses 6.4.26 and 6.6.26, clause 8.6, clause 8.7, clause 8.48, clause 9.2, clause 8.2, clause 8.47, optional clause 8.49, optional clause 8.50, clause 8.15 and clause 8.31.

Additionally the ME shall support the UCS2 facility for the coding of the Cyrillic alphabet, as defined in:

- ISO/IEC 10646 [17].

27.22.4.26.3.3 Test purpose

To verify that the ME performs a proper user confirmation with an USC2 alpha identifier, launches the Wap session required in LAUNCH BROWSER and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.26.3.4 Method of test

27.22.4.26.3.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

A valid access to 2 different Wap gateways is required:

the default browser parameters (IP address, gateway/proxy identity, called number, URL ...) of the tested mobile shall be properly filled to access one of the gateways ("default gateway").

With that default gateway we shall be able to access to an URL different from the default one.

- another gateway with an IP address different from the one defined in default browser parameters.

The mobile is busy in a browser session, the user navigates in pages different from the URL defined by default in Wap parameters.

The Bearer Parameters defined in 27.22.4.26.1.4.1 shall be used.

27.22.4.26.3.4.2 Procedure

Expected Sequence 3.1 (LAUNCH BROWSER, use the existing browser, connect to the default URL, UCS2 in Cyrillic)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|---|
| 0 | ME | The user is navigating in a browser | [Browser is in use, the current session is not |
| 1 | $UICC \to ME$ | session (not default URL) PROACTIVE COMMAND PENDING: LAUNCH BROWSER 3.1.1 | secured]] |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | | PROACTIVE COMMAND: LAUNCH BROWSER 3.1.1 | [connect to the default URL, "use the existing browser", alpha id. In UCS2] |
| 4 | $ME \to USER$ | ME displays the alpha identifier "ЗДРАВСТВУЙТЕ" | ["Hello" in Russian] |
| 5 | $USER \to ME$ | The user confirms the launch browser. | [user confirmation] |
| 6 | $ME \to UICC$ | TERMINAL RESPONSE: LAUNCH BROWSER 3.1.1 | [Command performed successfully] |
| 7 | ME→USS | The ME does not close the existing session and attempts to connect the default URL. | |
| 8 | $UICC \to ME$ | PROACTIVE UICC SESSION ENDED | |
| 9 | $USER \to ME$ | The user verifies that the default URL is connected; and the previous URL can be retrieved. Then he/she ends the navigation with the default URL. | |

PROACTIVE COMMAND: LAUNCH BROWSER 3.1.1

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER
Command qualifier: use the existing browser

Device identities

Source device: UICC
Destination device: ME
URL empty

Alpha Identifier

Data coding scheme: UCS2 (16 bits) Text: "ЗДРАВСТВУЙТЕ"

Coding:

| BER-TLV: | D0 | 26 | 81 | 03 | 01 | 15 | 02 | 82 | 02 | 81 | 82 | 31 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | 05 | 19 | 80 | 04 | 17 | 04 | 14 | 04 | 20 | 04 | 10 |
| | 04 | 12 | 04 | 21 | 04 | 22 | 04 | 12 | 04 | 23 | 04 | 19 |
| | 04 | 22 | 04 | 15 | | | | | | | | |

TERMINAL RESPONSE: LAUNCH BROWSER 3.1.1

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER
Command qualifier: use the existing browser

Device identities

Source device: ME

Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 15 | 02 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

27.22.4.26.3.5 Test Requirement

The ME shall operate in the manner defined in expected sequence 3.1.

27.22.4.26.4 LAUNCH BROWSER (icons support)

27.22.4.26.4.1 Definition and applicability

See clause 3.2.2.

27.22.4.26.4.2 Conformance requirements

The ME shall support the LAUNCH BROWSER Proactive UICC Command as defined in:

- TS 31.111 [15] clause 5.2, clauses 6.4.26 and 6.6.26, clause 8.6, clause 8.7, clause 8.48, clause 9.2, clause 8.2, clause 8.47, optional clause 8.49, optional clause 8.50, clause 8.15 and clause 8.31.

27.22.4.26.4.3 Test purpose

To verify that the ME performs a proper user confirmation with an icon identifier, launches the browser session required in LAUNCH BROWSER and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.26.4.4 Method of test

27.22.4.26.4.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

A valid access to 2 different Wap gateways is required:

- the default browser parameters (IP address, gateway/proxy identity, called number, URL ...) of the tested mobile shall be properly filled to access one of the gateways ("default gateway").

With that default gateway we shall be able to access to an URL different from the default one.

- another gateway with an IP address different from the one defined in default browser parameters.

The mobile is busy in a browser session, the user navigates in pages different from the URL defined by default in browser parameters.

The Bearer Parameters defined in 27.22.4.26.1.4.1 shall be used.

27.22.4.26.4.4.2 Procedure

Expected Sequence 4.1A (LAUNCH BROWSER, use the existing browser, icon not self explanatory, successful)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | [Browser is in use, the current session is not |
| | | PENDING: LAUNCH BROWSER | secured]] |
| | | 4.1.1 | |
| 2 | , 0.00 | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: | [connect to the default URL, "use the existing |
| | | LAUNCH BROWSER 4.1.1 | browser", no null alpha id.] |
| 4 | $ME \rightarrow USER$ | ME displays the alpha identifier | ["Not self explan."] |
| | | and the icon | |
| 5 | $USER \to ME$ | 1- | [user confirmation] |
| _ | | browser. | |
| 6 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: LAUNCH | [Command performed successfully] |
| _ | | BROWSER 4.1.1 A | |
| 7 | $ME{	o}USS$ | The ME does not close the existing | |
| | | session and attempts to connect | |
| | | the default URL. | |
| 8 | $UICC \to ME$ | PROACTIVE UICC SESSION | |
| 9 | HOED ME | ENDED The user verifies that the default | |
| 9 | $USER \to ME$ | | |
| | | URL is connected; and the | |
| | | previous URL can be retrieved. | |
| | | Then he/she ends the navigation with the default URL. | |
| | | with the delauit ORL. | |

PROACTIVE COMMAND: LAUNCH BROWSER 4.1.1

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER
Command qualifier: use the existing browser

Device identities

Source device: UICC
Destination device: ME
URL empty

Alpha Identifier "Not self explan."

Icon identifier:

 $\begin{array}{ll} \text{Icon qualifier:} & \text{not self-explanatory} \\ \text{Icon identifier:} & \text{record 1 in } EF_{\text{(IMG)}} \\ \end{array}$

Coding:

| BER-TLV: | D0 | 21 | 81 | 03 | 01 | 15 | 02 | 82 | 02 | 81 | 82 | 31 |
|----------|----|----|----|----------------|----------------|----|----|----|----|----|----|----|
| | 00 | 05 | 10 | 4E | 6F | 74 | 20 | 73 | 65 | 6C | 66 | 20 |
| | 65 | 78 | 70 | 6 ^C | 6 ¹ | 6E | 2E | 1E | 02 | 01 | 01 | |

TERMINAL RESPONSE: LAUNCH BROWSER 4.1.1 A

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER
Command qualifier: use the existing browser

Device identities

Source device: ME Destination device: UICC Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 15 | 02 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | | | | | | | | | | | | |

Expected Sequence 4.1B (LAUNCH BROWSER, use the existing browser, icon not self explanatory, requested icon could not be displayed)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|------------------------------------|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | [Browser is in use, the current session is not |
| | | PENDING: LAUNCH BROWSER | secured]] |
| | | 4.1.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: | [connect to the default URL, "use the existing |
| | | LAUNCH BROWSER 4.1.1 | browser", no null alpha id.] |
| 4 | $ME \to USER$ | ME displays the alpha identifier | ["Not self explan."] |
| | | Without the icon | |
| 5 | $USER \to ME$ | The user confirms the launch | [user confirmation] |
| _ | | browser. | |
| 6 | $ME \rightarrow UICC$ | | [Command performed successfully but |
| _ | | BROWSER 4.1.1 B | requested icon could not be displayed] |
| 7 | $ME{	o}USS$ | The ME does not close the existing | |
| | | session and attempts to connect | |
| 0 | LUCO ME | the default URL. | |
| 8 | $UICC \to ME$ | PROACTIVE UICC SESSION ENDED | |
| 9 | $USER \to ME$ | The user verifies that the default | |
| 9 | USER → IVIE | URL is connected; and the | |
| | | previous URL can be retrieved. | |
| | | Then he/she ends the navigation | |
| | | with the default URL. | |
| | | With the delatit OIL. | |

TERMINAL RESPONSE: LAUNCH BROWSER 4.1.1 B

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER
Command qualifier: use the existing browser

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully but requested icon could not be displayed

Coding:

| BE | R-TLV: | 81 | 03 | 01 | 15 | 02 | 82 | 02 | 82 | 81 | 83 | 01 | 04 | |
|----|--------|----|----|----|----|----|----|----|----|----|----|----|----|--|
|----|--------|----|----|----|----|----|----|----|----|----|----|----|----|--|

Expected Sequence 4.2A (LAUNCH BROWSER, use the existing browser, icon self explanatory, successful)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|------------------------------------|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | [Browser is in use, the current session is not |
| | | PENDING: LAUNCH BROWSER | secured]] |
| | | 4.2.1 | |
| 2 | | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: | [connect to the default URL, "use the existing |
| | | LAUNCH BROWSER 4.2.1 | browser", alpha id. In UCS2] |
| 4 | | ME displays only the icon | ["Self explan."] |
| 5 | $USER \to ME$ | The user confirms the launch | [user confirmation] |
| | | browser. | |
| 6 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: LAUNCH | [Command performed successfully] |
| | | BROWSER 4.2.1 A | |
| 7 | ME→USS | The ME does not close the existing | |
| | | session and attempts to connect | |
| | | the default URL. | |
| 8 | $UICC \to ME$ | PROACTIVE UICC SESSION | |
| | | ENDED | |
| 9 | $USER \to ME$ | The user verifies that the default | |
| | | URL is connected; and the | |
| | | previous URL can be retrieved. | |
| | | Then he/she ends the navigation | |
| | | with the default URL. | |

PROACTIVE COMMAND: LAUNCH BROWSER 4.2.1

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER
Command qualifier: use the existing browser

Device identities

Source device: UICC
Destination device: ME
URL empty

Alpha Identifier

"Self explan."

Icon identifier:

 $\begin{array}{ll} \mbox{Icon qualifier:} & \mbox{self-explanatory} \\ \mbox{Icon identifier:} & \mbox{record 1 in } \mbox{EF}_{(IMG)} \\ \end{array}$

Coding:

| BER-TLV: | D0 | 1D | 81 | 03 | 01 | 15 | 02 | 82 | 02 | 81 | 82 | 31 |
|----------|----------------|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | 05 | 0C | 53 | 65 | 6C | 66 | 20 | 65 | 78 | 70 | 6C |
| | 6 ¹ | 6F | 2F | 1F | 02 | 00 | 01 | | | | | |

TERMINAL RESPONSE: LAUNCH BROWSER 4.2.1 A

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER
Command qualifier: use the existing browser

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 15 | 02 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

Expected Sequence 4.2B (LAUNCH BROWSER, use the existing browser, icon self explanatory, requested icon could not be displayed)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | [Browser is in use, the current session is not |
| | | PENDING: LAUNCH BROWSER | secured]] |
| | | 4.2.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: LAUNCH BROWSER 4.2.1 | [connect to the default URL, "use the existing browser", alpha id. In UCS2] |
| 4 | $ME \rightarrow USER$ | ME displays only the alpha | ["Self explan."] |
| 4 | WE → USEK | identifier | [Sell explain.] |
| 5 | $USER \to ME$ | The user confirms the launch | [user confirmation] |
| | | browser. | |
| 6 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: LAUNCH | |
| | | BROWSER 4.2.1 B | [Command performed successfully but |
| _ | | | requested icon could not be displayed] |
| 7 | $ME{	o}USS$ | The ME does not close the existing | |
| | | session and attempts to connect | |
| | | the default URL. | |
| 8 | $UICC \to ME$ | PROACTIVE UICC SESSION ENDED | |
| 9 | $USER \to ME$ | The user verifies that the default | |
| | | URL is connected; and the | |
| | | previous URL can be retrieved. | |
| | | Then he/she ends the navigation | |
| | | with the default URL. | |

TERMINAL RESPONSE: LAUNCH BROWSER 4.2.1 B

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER
Command qualifier: use the existing browser

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully but requested icon could not be displayed

Coding:

BER-TLV: 81 03 01 15 02 82 02 82 81 83 01 04

27.22.4.26.3.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 4.1A to 4.2B.

27.22.4.26.5 LAUNCH BROWSER (support of Text Attribute)

27.22.4.26.5.1 LAUNCH BROWSER (support of Text Attribute – Left Alignment)

27.22.4.26.5.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.26.5.1.2 Conformance requirements

The ME shall support the LAUNCH BROWSER Proactive UICC Command as defined in:

- TS 31.111[15] clause 5.2, clauses 6.4.26 and 6.6.26, clause 8.6, clause 8.7, clause 8.48, clause 9.2, clause 8.2, clause 8.47, clause 8.49, clause 8.50, clause 8.15, clause 8.31 and clause 8.70.

27.22.4.26.5.1.3 Test purpose

To verify that the ME performs a proper user confirmation with an alpha identifier according to the left alignment text attribute configuration, launches the Wap session required in LAUNCH BROWSER and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.26.5.1.4 Method of test

27.22.4.26.5.1.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

A valid access to 2 different Wap gateways is required:

- the default Wap parameters (IP address, gateway/proxy identity, called number, URL ...) of the tested mobile shall be properly filled to access one of the gateways ("default gateway")

With that default gateway we shall be able to access to an URL different from the default one.

- another gateway with an IP address different from the one defined in default Wap parameters.

The Bearer Parameters defined in 27.22.4.26.1.4.1 shall be used.

The ME is in idle mode.

27.22.4.26.5.1.4.2 Procedure

Expected Sequence 5.1 (LAUNCH BROWSER, connect to the default URL with Text Attribute – Left Alignment)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------------------|--|---|
| 0 | ME | | [the ME is in idle mode] |
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | - |
| | | PENDING: LAUNCH BROWSER | |
| | | 5.1.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: | [connect to the default URL, "launch browser, |
| | | LAUNCH BROWSER 5.1.1 | if not already launched", no null alpha id] |
| 4 | $ME \rightarrow USER$ | ME displays the alpha identifier | [alpha identifier is displayed with left |
| _ | LIGED ME | The week made howe to confirm the | alignment] |
| 5 | $USER \to ME$ | The user may have to confirm the launch browser. | [option: user confirmation] |
| 6 | ME LUCC | TERMINAL RESPONSE: LAUNCH | [Command parformed augocoafully] |
| 0 | $ME \rightarrow UICC$ | BROWSER 5.1.1 | [Confinant penormed successibility] |
| 7 | ME→USS | The ME attempts to launch the | |
| · 1 | WIL 7000 | session with the default Wap | |
| | | parameters and the default URL. | |
| 8 | $UICC \to ME$ | PROACTIVE UICC SESSION | |
| | | ENDED | |
| 9 | $USER \to ME$ | The user verifies that the default | |
| | | Wap session is properly | |
| | | established. | |
| | | Then he/she ends the navigation. | |
| | | The ME returns in idle mode. | |
| 10 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: LAUNCH BROWSER | |
| 44 | ME 11100 | 5.1.2 | |
| 11 | ME → UICC | FETCH | for any and to the state of the UDI. However, he have to |
| 12 | $UICC \to ME$ | PROACTIVE COMMAND: LAUNCH BROWSER 5.1.2 | [connect to the default URL, "launch browser, if not already launched", no null alpha id] |
| 13 | $ME \rightarrow USER$ | ME displays the alpha identifier | Message shall be formatted without left |
| 13 | IVIE → USER | INE displays the alpha identifier | alignment. Remark: If left alignment is the |
| | | | ME"s default alignment as declared in table |
| | | | A.2/18, no alignment change will take place] |
| 14 | $USER \to ME$ | The user may have to confirm the | [option: user confirmation] |
| | · · · · · · · · · · · · · · · · · | launch browser. | |
| 15 | $ME \to UICC$ | TERMINAL RESPONSE: LAUNCH | [Command performed successfully] |
| | | BROWSER 5.1.1 | · |
| 16 | $ME \to USS$ | The ME attempts to launch the | |
| | | session with the default Wap | |
| | | parameters and the default URL. | |
| 17 | $UICC \to ME$ | PROACTIVE UICC SESSION | |
| 1 40 | 11055 | ENDED | |
| 18 | $USER \to ME$ | The user verifies that the default | |
| | | Wap session is properly established. | |
| | | Then he/she ends the navigation. | |
| | | The ME returns in idle mode. | |
| | | THE ME TELUTIS III IUIE IIIUUE. | |

PROACTIVE COMMAND: LAUNCH BROWSER 5.1.1

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: UICC
Destination device: ME
URL empty

Alpha Identifier "Default URL 1"

Text Attribute

Formatting position: 0 Formatting length: 13

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 20 | 81 | 03 | 01 | 15 | 00 | 82 | 02 | 81 | 82 | 31 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | 05 | 0D | 44 | 65 | 66 | 61 | 75 | 6C | 74 | 20 | 55 |
| | 52 | 4C | 20 | 31 | D0 | 04 | 00 | 0D | 00 | B4 | | |

PROACTIVE COMMAND: LAUNCH BROWSER 5.1.2

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: UICC
Destination device: ME
URL empty

Alpha Identifier "Default URL 2"

Coding:

| BER-TLV: | D0 | 1A | 81 | 03 | 01 | 15 | 00 | 82 | 02 | 81 | 82 | 31 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | 05 | 0D | 44 | 65 | 66 | 61 | 75 | 6C | 74 | 20 | 55 |
| | 52 | 4C | 20 | 32 | | | | | | | | |

TERMINAL RESPONSE: LAUNCH BROWSER 5.1.1

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 15 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

27.22.4.26.5.1.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 5.1.

27.22.4.26.5.2 LAUNCH BROWSER (support of Text Attribute – Center Alignment)

27.22.4.26.5.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.26.5.2.2 Conformance requirements

The ME shall support the LAUNCH BROWSER Proactive UICC Command as defined in:

- TS 31.111 [15] clause 5.2, clauses 6.4.26 and 6.6.26, clause 8.6, clause 8.7, clause 8.48, clause 9.2, clause 8.2, clause 8.47, clause 8.49, clause 8.50, clause 8.15, clause 8.31 and clause 8.70.

27.22.4.26.5.2.3 Test purpose

To verify that the ME performs a proper user confirmation with an alpha identifier according to the center alignment text attribute configuration, launches the Wap session required in LAUNCH BROWSER and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.26.5.2.4 Method of test

27.22.4.26.5.2.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

A valid access to 2 different Wap gateways is required:

- the default Wap parameters (IP address, gateway/proxy identity, called number, URL ...) of the tested mobile shall be properly filled to access one of the gateways ("default gateway")

With that default gateway we shall be able to access to an URL different from the default one.

- another gateway with an IP address different from the one defined in default Wap parameters.

The Bearer Parameters defined in 27.22.4.26.1.4.1 shall be used.

The ME is in idle mode.

27.22.4.26.5.2.4.2 Procedure

Expected Sequence 5.2 (LAUNCH BROWSER, connect to the default URL with Text Attribute – Center Alignment)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------------------|--|---|
| 0 | ME | | [the ME is in idle mode] |
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: LAUNCH BROWSER | |
| 2 | ME LUCC | 5.2.1 | |
| 3 | $ME \to UICC$ $UICC \to ME$ | FETCH PROACTIVE COMMAND: | connect to the default URL, "launch browser, |
| 3 | | LAUNCH BROWSER 5.2.1 | if not already launched", no null alpha id |
| 4 | $ME \rightarrow USER$ | ME displays the alpha identifier | [alpha identifier is displayed with center |
| | , , , , , | | alignment] |
| 5 | $USER \to ME$ | The user may have to confirm the | [option: user confirmation] |
| | | launch browser. | |
| 6 | $ME \rightarrow UICC$ | BROWSER 5.2.1 | [Command performed successfully] |
| 7 | $ME { ightarrow} USS$ | The ME attempts to launch the | |
| | | session with the default Wap | |
| | LUCC ME | parameters and the default URL. PROACTIVE UICC SESSION | |
| 8 | $UICC \to ME$ | ENDED | |
| 9 | $USER \to ME$ | The user verifies that the default | |
| | 002.1 | Wap session is properly | |
| | | established. | |
| | | Then he/she ends the navigation. | |
| 4.0 | | The ME returns in idle mode. | |
| 10 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: LAUNCH BROWSER | |
| | | 5.2.2 | |
| 11 | $ME \to UICC$ | FETCH | |
| 12 | $UICC \to ME$ | PROACTIVE COMMAND: | [connect to the default URL, "launch browser, |
| | | LAUNCH BROWSER 5.2.2 | if not already launched", no null alpha id] |
| 13 | $ME \rightarrow USER$ | ME displays the alpha identifier | [Message shall be formatted without center |
| | | | alignment. Remark: If center alignment is the ME"s default alignment as declared in table |
| | | | A.2/18, no alignment change will take place] |
| 14 | $USER \to ME$ | The user may have to confirm the | [option: user confirmation] |
| | · · · · · · · · · · · · · · · · · | launch browser. | |
| 15 | $ME \to UICC$ | | [Command performed successfully] |
| 40 | | BROWSER 5.2.1 | |
| 16 | $ME \rightarrow USS$ | The ME attempts to launch the session with the default Wap | |
| | | parameters and the default URL. | |
| 17 | $UICC \to ME$ | PROACTIVE UICC SESSION | |
| | 3.00 / IVIL | ENDED | |
| 18 | $USER \to ME$ | The user verifies that the default | |
| | | Wap session is properly | |
| 1 | | established. | |
| | | Then he/she ends the navigation. | |
| | | The ME returns in idle mode. | |

PROACTIVE COMMAND: LAUNCH BROWSER 5.2.1

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: UICC
Destination device: ME
URL empty

Alpha Identifier "Default URL 1"

Text Attribute

Formatting position: 0 Formatting length: 13

Formatting mode: Center Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 20 | 81 | 03 | 01 | 15 | 00 | 82 | 02 | 81 | 82 | 31 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | 05 | 0D | 44 | 65 | 66 | 61 | 75 | 6C | 74 | 20 | 55 |
| | 52 | 4C | 20 | 31 | D0 | 04 | 00 | 0D | 01 | B4 | | |

PROACTIVE COMMAND: LAUNCH BROWSER 5.2.2

Logically:

Command details

Command number:

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: UICC
Destination device: ME
URL empty

Alpha Identifier "Default URL 2"

Coding:

| BER-TLV: | D0 | 1A | 81 | 03 | 01 | 15 | 00 | 82 | 02 | 81 | 82 | 31 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | 05 | 0D | 44 | 65 | 66 | 61 | 75 | 6C | 74 | 20 | 55 |
| | 52 | 4C | 20 | 32 | | | | | | | | |

TERMINAL RESPONSE: LAUNCH BROWSER 5.2.1

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 15 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

27.22.4.26.5.2.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 5.2.

27.22.4.26.5.3 LAUNCH BROWSER (support of Text Attribute – Right Alignment)

27.22.4.26.5.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.26.5.3.2 Conformance requirements

The ME shall support the LAUNCH BROWSER Proactive UICC Command as defined in:

- TS 31.111 [15] clause 5.2, clauses 6.4.26 and 6.6.26, clause 8.6, clause 8.7, clause 8.48, clause 9.2, clause 8.2, clause 8.49, clause 8.50, clause 8.15, clause 8.31 and clause 8.70.

27.22.4.26.5.3.3 Test purpose

To verify that the ME performs a proper user confirmation with an alpha identifier according to the right alignment text attribute configuration, launches the Wap session required in LAUNCH BROWSER and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.26.5.3.4 Method of test

27.22.4.26.5.3.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

A valid access to 2 different Wap gateways is required:

- the default Wap parameters (IP address, gateway/proxy identity, called number, URL ...) of the tested mobile shall be properly filled to access one of the gateways ("default gateway")

With that default gateway we shall be able to access to an URL different from the default one.

- another gateway with an IP address different from the one defined in default Wap parameters.

The Bearer Parameters defined in 27.22.4.26.1.4.1 shall be used.

The ME is in idle mode.

27.22.4.26.5.3.4.2 Procedure

Expected Sequence 5.3 (LAUNCH BROWSER, connect to the default URL with Text Attribute – Right Alignment)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|---|
| 0 | ME | | [the ME is in idle mode] |
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: LAUNCH BROWSER 5.3.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | UICC → ME | PROACTIVE COMMAND: | [connect to the default URL, "launch browser, |
| | | LAUNCH BROWSER 5.3.1 | if not already launched", no null alpha id] |
| 4 | $ME \to USER$ | ME displays the alpha identifier | [alpha identifier is displayed with right alignment] |
| 5 | $USER \to ME$ | The user may have to confirm the launch browser. | [option: user confirmation] |
| 6 | $ME \to UICC$ | TERMINAL RESPONSE: LAUNCH BROWSER 5.3.1 | [Command performed successfully] |
| 7 | ME→USS | The ME attempts to launch the session with the default Wap parameters and the default URL. | |
| 8 | $UICC \to ME$ | PROACTIVE UICC SESSION ENDED | |
| 9 | $USER \to ME$ | The user verifies that the default Wap session is properly established. | |
| 10 | $UICC \to ME$ | Then he/she ends the navigation. The ME returns in idle mode. PROACTIVE COMMAND PENDING: LAUNCH BROWSER 5.3.2 | |
| 11 | $ME \rightarrow UICC$ | FETCH | |
| 12 | UICC → ME | PROACTIVE COMMAND: LAUNCH BROWSER 5.3.2 | [connect to the default URL, "launch browser, if not already launched", no null alpha id] |
| 13 | $ME \to USER$ | ME displays the alpha identifier | [Message shall be formatted without right alignment. Remark: If right alignment is the ME"s default alignment as declared in table A.2/18, no alignment change will take place] |
| 14 | $USER \to ME$ | The user may have to confirm the launch browser. | [option: user confirmation] |
| 15 | $ME \to UICC$ | TERMINAL RESPONSE: LAUNCH BROWSER 5.3.1 | [Command performed successfully] |
| 16 | $ME \to USS$ | The ME attempts to launch the session with the default Wap parameters and the default URL. | |
| 17 | $UICC \to ME$ | PROACTIVE UICC SESSION ENDED | |
| 18 | USER → ME | The user verifies that the default Wap session is properly established. Then he/she ends the navigation. The ME returns in idle mode. | |

PROACTIVE COMMAND: LAUNCH BROWSER 5.3.1

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: UICC
Destination device: ME
URL empty

Alpha Identifier "Default URL 1"

Text Attribute

Formatting position: 0 Formatting length: 13

Formatting mode: Right Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 20 | 81 | 03 | 01 | 15 | 00 | 82 | 02 | 81 | 82 | 31 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | 05 | 0D | 44 | 65 | 66 | 61 | 75 | 6C | 74 | 20 | 55 |
| | 52 | 4C | 20 | 31 | D0 | 04 | 00 | 0D | 02 | B4 | | |

PROACTIVE COMMAND: LAUNCH BROWSER 5.3.2

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: UICC
Destination device: ME
URL empty

Alpha Identifier "Default URL 2"

Coding:

| BER-TLV: | D0 | 1A | 81 | 03 | 01 | 15 | 00 | 82 | 02 | 81 | 82 | 31 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | 05 | 0D | 44 | 65 | 66 | 61 | 75 | 6C | 74 | 20 | 55 |
| | 52 | 4C | 20 | 32 | | | | | | | | |

TERMINAL RESPONSE: LAUNCH BROWSER 5.3.1

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 15 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

27.22.4.26.5.3.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 5.3.

27.22.4.26.5.4 LAUNCH BROWSER (support of Text Attribute – Large Font Size)

27.22.4.26.5.4.1 Definition and applicability

See clause 3.2.2.

27.22.4.26.5.4.2 Conformance requirements

The ME shall support the LAUNCH BROWSER Proactive UICC Command as defined in:

- TS 31.&&& [15] clause 5.2, clauses 6.4.26 and 6.6.26, clause 8.6, clause 8.7, clause 8.48, clause 9.2, clause 8.2, clause 8.49, clause 8.50, clause 8.15, clause 8.31 and clause 8.70.

27.22.4.26.5.4.3 Test purpose

To verify that the ME performs a proper user confirmation with an alpha identifier according to the large font size text attribute configuration, launches the Wap session required in LAUNCH BROWSER and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.26.5.4.4 Method of test

27.22.4.26.5.4.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

A valid access to 2 different Wap gateways is required:

- the default Wap parameters (IP address, gateway/proxy identity, called number, URL ...) of the tested mobile shall be properly filled to access one of the gateways ("default gateway")

With that default gateway we shall be able to access to an URL different from the default one.

- another gateway with an IP address different from the one defined in default Wap parameters.

The Bearer Parameters defined in 27.22.4.26.1.4.1 shall be used.

The ME is in idle mode.

27.22.4.26.5.4.4.2 Procedure

Expected Sequence 5.4 (LAUNCH BROWSER, connect to the default URL with Text Attribute – Large Font Size)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--|--|
| 0 | ME | | [the ME is in idle mode] |
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: LAUNCH BROWSER 5.4.1 | |
| 2 | $ME \to UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: | [connect to the default URL, "launch browser, |
| 4 | $ME \to USER$ | LAUNCH BROWSER 5.4.1 ME displays the alpha identifier | if not already launched", no null alpha id] [alpha identifier is displayed with large font |
| 5 | $USER \to ME$ | The user may have to confirm the launch browser. | size] [option: user confirmation] |
| 6 | $ME \to UICC$ | | [Command performed successfully] |
| 7 | ME→USS | The ME attempts to launch the session with the default Wap | |
| 8 | $UICC \to ME$ | parameters and the default URL. PROACTIVE UICC SESSION ENDED | |
| 9 | $USER \to ME$ | The user verifies that the default Wap session is properly | |
| 10 | $UICC \to ME$ | established. Then he/she ends the navigation. The ME returns in idle mode. PROACTIVE COMMAND PENDING: LAUNCH BROWSER | |
| 11 | $ME \rightarrow UICC$ | 5.4.2 FETCH | |
| 12 | $UICC \rightarrow ME$ | PROACTIVE COMMAND: | connect to the default URL, "launch browser, |
| 13 | ME → USER | LAUNCH BROWSER 5.4.2 ME displays the alpha identifier | if not already launched", no null alpha id] [alpha identifier is displayed with normal font |
| 14 | $USER \to ME$ | The user may have to confirm the launch browser. | size] [option: user confirmation] |
| 15 | $ME \to UICC$ | TERMINAL RESPONSE: LAUNCH BROWSER 5.4.1 | [Command performed successfully] |
| 16 | $ME \to USS$ | The ME attempts to launch the session with the default Wap parameters and the default URL. | |
| 17 | $UICC \to ME$ | PROACTIVE UICC SESSION ENDED | |
| 18 | $USER \to ME$ | The user verifies that the default Wap session is properly established. Then he/she ends the navigation. | |
| 19 | $UICC \to ME$ | The ME returns in idle mode. PROACTIVE COMMAND PENDING: LAUNCH BROWSER 5.4.1 | |
| 20 | $ME \to UICC$ | FETCH | |
| 21 | $UICC \rightarrow ME$ | PROACTIVE COMMAND: | [connect to the default URL, "launch browser, |
| 22 | $ME \to USER$ | LAUNCH BROWSER 5.4.1 ME displays the alpha identifier | if not already launched", no null alpha id] [alpha identifier is displayed with large font size] |
| 23 | $USER \to ME$ | The user may have to confirm the launch browser. | [option: user confirmation] |
| 24 | $ME \to UICC$ | | [Command performed successfully] |
| 25 | ME□USS | The ME attempts to launch the session with the default Wap | |
| 26 | $UICC \to ME$ | parameters and the default URL. PROACTIVE UICC SESSION ENDED | |

| 27 | $USER \to ME$ | The user verifies that the default Wap session is properly established. Then he/she ends the navigation. The ME returns in idle mode. | |
|----|---------------|---|---|
| 28 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: LAUNCH BROWSER 5.4.3 | |
| 29 | $ME \to UICC$ | FETCH | |
| 30 | $UICC \to ME$ | PROACTIVE COMMAND: LAUNCH BROWSER 5.4.3 | [connect to the default URL, "launch browser, if not already launched", no null alpha id] |
| 31 | $ME \to USER$ | ME displays the alpha identifier | [alpha identifier is displayed with normal font size] |
| 32 | $USER \to ME$ | The user may have to confirm the launch browser. | [option: user confirmation] |
| 33 | $ME \to UICC$ | TERMINAL RESPONSE: LAUNCH BROWSER 5.4.1 | [Command performed successfully] |
| 34 | $ME \to USS$ | The ME attempts to launch the session with the default Wap parameters and the default URL. | |
| 35 | $UICC \to ME$ | PROACTIVE UICC SESSION ENDED | |
| 36 | $USER \to ME$ | The user verifies that the default Wap session is properly established. | |
| | | Then he/she ends the navigation. The ME returns in idle mode. | |

PROACTIVE COMMAND: LAUNCH BROWSER 5.4.1

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: UICC
Destination device: ME
URL empty
Alpha Identifier "Default URL 1"

Text Attribute

Formatting position: 0 Formatting length: 13

Formatting mode: Left Alignment, Large Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 20 | 81 | 03 | 01 | 15 | 00 | 82 | 02 | 81 | 82 | 31 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | 05 | 0D | 44 | 65 | 66 | 61 | 75 | 6C | 74 | 20 | 55 |
| | 52 | 4C | 20 | 31 | D0 | 04 | 00 | 0D | 04 | B4 | | |

PROACTIVE COMMAND: LAUNCH BROWSER 5.4.2

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: UICC

Destination device: ME URL empty Alpha Identifier "Default URL 2"

Text Attribute

Formatting position: 0 Formatting length: 13

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 20 | 81 | 03 | 01 | 15 | 00 | 82 | 02 | 81 | 82 | 31 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | 05 | 0D | 44 | 65 | 66 | 61 | 75 | 6C | 74 | 20 | 55 |
| | 52 | 4C | 20 | 32 | D0 | 04 | 00 | 0D | 00 | B4 | | |

PROACTIVE COMMAND: LAUNCH BROWSER 5.4.3

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: UICC
Destination device: ME
URL empty

Alpha Identifier "Default URL 3"

Coding:

| BER-TLV: | D0 | 1A | 81 | 03 | 01 | 15 | 00 | 82 | 02 | 81 | 82 | 31 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | 05 | 0D | 44 | 65 | 66 | 61 | 75 | 6C | 74 | 20 | 55 |
| | 52 | 4C | 20 | 33 | | | | | | | | |

TERMINAL RESPONSE: LAUNCH BROWSER 5.4.1

Logically:

Command details

Command number:

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 15 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|-----------|----|----|----|----|----|----|----|----|----|----|----|----|
| DEIX IEV. | 0. | 00 | 0. | 10 | 00 | 02 | 02 | 02 | 0. | 00 | 0. | 00 |

27.22.4.26.5.4.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 5.4.

27.22.4.26.5.5 LAUNCH BROWSER (support of Text Attribute – Small Font Size)

27.22.4.26.5.5.1 Definition and applicability

See clause 3.2.2.

27.22.4.26.5.5.2 Conformance requirements

The ME shall support the LAUNCH BROWSER Proactive UICC Command as defined in:

- TS 31.111 [15] clause 5.2, clauses 6.4.26 and 6.6.26, clause 8.6, clause 8.7, clause 8.48, clause 9.2, clause 8.2, clause 8.47, clause 8.49, clause 8.50, clause 8.15, clause 8.31 and clause 8.70.

27.22.4.26.5.5.3 Test purpose

To verify that the ME performs a proper user confirmation with an alpha identifier according to the small font size text attribute configuration, launches the Wap session required in LAUNCH BROWSER and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.26.5.5.4 Method of test

27.22.4.26.5.5.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

A valid access to 2 different Wap gateways is required:

- the default Wap parameters (IP address, gateway/proxy identity, called number, URL ...) of the tested mobile shall be properly filled to access one of the gateways ("default gateway")

With that default gateway we shall be able to access to an URL different from the default one.

- another gateway with an IP address different from the one defined in default Wap parameters.

The Bearer Parameters defined in 27.22.4.26.1.4.1 shall be used.

The ME is in idle mode.

27.22.4.26.5.5.4.2 Procedure

Expected Sequence 5.5 (LAUNCH BROWSER, connect to the default URL with Text Attribute – Small Font Size)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--|--|
| 0 | ME | | [the ME is in idle mode] |
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: LAUNCH BROWSER 5.5.1 | |
| 2 | $ME \to UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: | [connect to the default URL, "launch browser, |
| 4 | $ME \to USER$ | LAUNCH BROWSER 5.5.1 ME displays the alpha identifier | if not already launched", no null alpha id] [alpha identifier is displayed with small font |
| 5 | $USER \to ME$ | The user may have to confirm the launch browser. | size] [option: user confirmation] |
| 6 | $ME \to UICC$ | TERMINAL RESPONSE: LAUNCH BROWSER 5.5.1 | [Command performed successfully] |
| 7 | ME→USS | The ME attempts to launch the session with the default Wap | |
| 8 | $UICC \to ME$ | parameters and the default URL. PROACTIVE UICC SESSION ENDED | |
| 9 | $USER \to ME$ | The user verifies that the default Wap session is properly | |
| 10 | $UICC \to ME$ | established. Then he/she ends the navigation. The ME returns in idle mode. PROACTIVE COMMAND PENDING: LAUNCH BROWSER 5.5.2 | |
| 11 | $ME \rightarrow UICC$ | FETCH | |
| 12 | | PROACTIVE COMMAND: | connect to the default URL, "launch browser, |
| 13 | ME → USER | LAUNCH BROWSER 5.5.2 ME displays the alpha identifier | if not already launched", no null alpha id] [alpha identifier is displayed with normal font |
| 14 | $USER \to ME$ | The user may have to confirm the launch browser. | size] [option: user confirmation] |
| 15 | $ME \to UICC$ | TERMINAL RESPONSE: LAUNCH BROWSER 5.5.1 | [Command performed successfully] |
| 16 | $ME \rightarrow USS$ | The ME attempts to launch the session with the default Wap parameters and the default URL. | |
| 17 | $UICC \to ME$ | PROACTIVE UICC SESSION ENDED | |
| 18 | $USER \to ME$ | The user verifies that the default Wap session is properly established. Then he/she ends the navigation. | |
| 19 | $UICC \to ME$ | The ME returns in idle mode. PROACTIVE COMMAND PENDING: LAUNCH BROWSER 5.5.1 | |
| 20 | $ME \to UICC$ | FETCH | |
| 21 | | PROACTIVE COMMAND: | [connect to the default URL, "launch browser, |
| 22 | $ME \to USER$ | LAUNCH BROWSER 5.5.1 ME displays the alpha identifier | if not already launched", no null alpha id] [alpha identifier is displayed with small font size] |
| 23 | $USER \to ME$ | The user may have to confirm the launch browser. | [option: user confirmation] |
| 24 | $ME \to UICC$ | TERMINAL RESPONSE: LAUNCH BROWSER 5.5.1 | [Command performed successfully] |
| 25 | ME□USS | The ME attempts to launch the session with the default Wap | |
| 26 | | parameters and the default URL. PROACTIVE UICC SESSION ENDED | |

| 27 | USER → ME | The user verifies that the default Wap session is properly established. Then he/she ends the navigation. The ME returns in idle mode. | |
|----|-----------------------|---|---|
| 28 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: LAUNCH BROWSER 5.5.3 | |
| 29 | $ME \rightarrow UICC$ | FETCH | |
| 30 | $UICC \to ME$ | PROACTIVE COMMAND: LAUNCH BROWSER 5.5.3 | [connect to the default URL, "launch browser, if not already launched", no null alpha id] |
| 31 | $ME \rightarrow USER$ | ME displays the alpha identifier | [alpha identifier is displayed with normal font size] |
| 32 | $USER \to ME$ | The user may have to confirm the launch browser. | [option: user confirmation] |
| 33 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: LAUNCH BROWSER 5.5.1 | [Command performed successfully] |
| 34 | $ME \rightarrow USS$ | The ME attempts to launch the session with the default Wap parameters and the default URL. | |
| 35 | $UICC \to ME$ | PROACTIVE UICC SESSION ENDED | |
| 36 | $USER \to ME$ | The user verifies that the default Wap session is properly established. | |
| | | Then he/she ends the navigation. The ME returns in idle mode. | |

PROACTIVE COMMAND: LAUNCH BROWSER 5.5.1

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: UICC
Destination device: ME
URL empty
Alpha Identifier "Default URL 1"

Text Attribute

Formatting position: 0 Formatting length: 13

Formatting mode: Left Alignment, Small Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 20 | 81 | 03 | 01 | 15 | 00 | 82 | 02 | 81 | 82 | 31 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | 05 | 0D | 44 | 65 | 66 | 61 | 75 | 6C | 74 | 20 | 55 |
| | 52 | 4C | 20 | 31 | D0 | 04 | 00 | 0D | 08 | B4 | | |

PROACTIVE COMMAND: LAUNCH BROWSER 5.5.2

Logically:

Command details

Command number:

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: UICC

Destination device: ME URL empty Alpha Identifier "Default URL 2"

Text Attribute

Formatting position: 0 Formatting length: 13

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 20 | 81 | 03 | 01 | 15 | 00 | 82 | 02 | 81 | 82 | 31 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | 05 | 0D | 44 | 65 | 66 | 61 | 75 | 6C | 74 | 20 | 55 |
| | 52 | 4C | 20 | 32 | D0 | 04 | 00 | 0D | 00 | B4 | | |

PROACTIVE COMMAND: LAUNCH BROWSER 5.5.3

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: UICC
Destination device: ME
URL empty

Alpha Identifier "Default URL 3"

Coding:

| BER-TLV: | D0 | 1A | 81 | 03 | 01 | 15 | 00 | 82 | 02 | 81 | 82 | 31 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | 05 | 0D | 44 | 65 | 66 | 61 | 75 | 6C | 74 | 20 | 55 |
| | 52 | 4C | 20 | 33 | | | | | | | | |

TERMINAL RESPONSE: LAUNCH BROWSER 5.5.1

Logically:

Command details

Command number:

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 15 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|-----------|----|----|----|----|----|----|----|----|----|----|----|----|
| DEIX IEV. | 0. | 00 | 0. | 10 | 00 | 02 | 02 | 02 | 0. | 00 | 0. | 00 |

27.22.4.26.5.5.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 5.5.

27.22.4.26.5.6 LAUNCH BROWSER (support of Text Attribute – Bold on)

27.22.4.26.5.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.26.5.6.2 Conformance requirements

The ME shall support the LAUNCH BROWSER Proactive UICC Command as defined in:

- TS 31.111 [15] clause 5.2, clauses 6.4.26 and 6.6.26, clause 8.6, clause 8.7, clause 8.48, clause 9.2, clause 8.2, clause 8.47, clause 8.49, clause 8.50, clause 8.15, clause 8.31 and clause 8.70.

27.22.4.26.5.6.3 Test purpose

To verify that the ME performs a proper user confirmation with an alpha identifier according to the bold text attribute configuration, launches the Wap session required in LAUNCH BROWSER and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.26.5.6.4 Method of test

27.22.4.26.5.6.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

A valid access to 2 different Wap gateways is required:

- the default Wap parameters (IP address, gateway/proxy identity, called number, URL ...) of the tested mobile shall be properly filled to access one of the gateways ("default gateway")

With that default gateway we shall be able to access to an URL different from the default one.

- another gateway with an IP address different from the one defined in default Wap parameters.

The Bearer Parameters defined in 27.22.4.26.1.4.1 shall be used.

The ME is in idle mode.

27.22.4.26.5.6.4.2 Procedure

Expected Sequence 5.6 (LAUNCH BROWSER, connect to the default URL with Text Attribute – Bold On)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|---|
| 0 | ME | | [the ME is in idle mode] |
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: LAUNCH BROWSER 5.6.1 | |
| 2 | $ME \to UICC$ | FETCH | |
| 3 | $UICC \rightarrow ME$ | PROACTIVE COMMAND: | [connect to the default URL, "launch browser, |
| | 0100 7 WE | LAUNCH BROWSER 5.6.1 | if not already launched", no null alpha id] |
| 4 | $ME \to USER$ | ME displays the alpha identifier | [alpha identifier is displayed with bold on] |
| 5 | $USER \to ME$ | The user may have to confirm the | [option: user confirmation] |
| | ME IIIOO | launch browser. | IO-managed and another and a constant of the d |
| 6 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: LAUNCH BROWSER 5.6.1 | [Command performed successfully] |
| 7 | ME→USS | The ME attempts to launch the | |
| | WE 7000 | session with the default Wap | |
| | | parameters and the default URL. | |
| 8 | $UICC \to ME$ | PROACTIVE UICC SESSION | |
| 9 | LICED . ME | ENDED The user verifies that the default | |
| 9 | USER → ME | Wap session is properly | |
| | | established. | |
| | | Then he/she ends the navigation. | |
| 4.0 | | The ME returns in idle mode. | |
| 10 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: LAUNCH BROWSER 5.6.2 | |
| 11 | $ME \to UICC$ | FETCH | |
| 12 | | PROACTIVE COMMAND: | [connect to the default URL, "launch browser, |
| | | LAUNCH BROWSER 5.6.2 | if not already launched", no null alpha id] |
| 13 | | ME displays the alpha identifier | [alpha identifier is displayed with bold off] |
| 14 | $USER \to ME$ | The user may have to confirm the launch browser. | [option: user confirmation] |
| 15 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: LAUNCH | [Command performed successfully] |
| | WE 70100 | BROWSER 5.6.1 | [command performed desceeding] |
| 16 | $ME \to USS$ | The ME attempts to launch the | |
| | | session with the default Wap | |
| 17 | $UICC \to ME$ | parameters and the default URL. PROACTIVE UICC SESSION | |
| 17 | UICC → IVIE | ENDED | |
| 18 | $USER \to ME$ | The user verifies that the default | |
| | | Wap session is properly | |
| | | established. | |
| | | Then he/she ends the navigation. The ME returns in idle mode. | |
| 19 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | 0.00 / IVIE | PENDING: LAUNCH BROWSER | |
| | | 5.6.1 | |
| 20 | ME → UICC | FETCH | |
| 21 | $UICC \to ME$ | PROACTIVE COMMAND: LAUNCH BROWSER 5.6.1 | [connect to the default URL, "launch browser, if not already launched", no null alpha id] |
| 22 | $ME \rightarrow USER$ | ME displays the alpha identifier | [alpha identifier is displayed with bold on] |
| 23 | USER → ME | The user may have to confirm the | [option: user confirmation] |
| | | launch browser. | |
| 24 | $ME \to UICC$ | TERMINAL RESPONSE: LAUNCH | [Command performed successfully] |
| 25 | MEHLOO | BROWSER 5.6.1 | |
| 25 | ME□USS | The ME attempts to launch the session with the default Wap | |
| | | parameters and the default URL. | |
| 26 | $UICC \to ME$ | PROACTIVE UICC SESSION | |
| | | ENDED | |

| 27 | $USER \to ME$ | The user verifies that the default Wap session is properly established. Then he/she ends the navigation. The ME returns in idle mode. | |
|----|-----------------------|---|---|
| 28 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: LAUNCH BROWSER 5.6.3 | |
| 29 | $ME \rightarrow UICC$ | FETCH | |
| 30 | $UICC \to ME$ | PROACTIVE COMMAND: LAUNCH BROWSER 5.6.3 | [connect to the default URL, "launch browser, if not already launched", no null alpha id] |
| 31 | $ME \to USER$ | ME displays the alpha identifier | [alpha identifier is displayed with bold off] |
| 32 | $USER \to ME$ | The user may have to confirm the launch browser. | [option: user confirmation] |
| 33 | $ME \to UICC$ | TERMINAL RESPONSE: LAUNCH BROWSER 5.6.1 | [Command performed successfully] |
| 34 | $ME \to USS$ | The ME attempts to launch the session with the default Wap parameters and the default URL. | |
| 35 | $UICC \to ME$ | PROACTIVE UICC SESSION ENDED | |
| 36 | $USER \to ME$ | The user verifies that the default Wap session is properly established. Then he/she ends the navigation. The ME returns in idle mode. | |

PROACTIVE COMMAND: LAUNCH BROWSER 5.6.1

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: UICC
Destination device: ME
URL empty

Alpha Identifier "Default URL 1"

Text Attribute

Formatting position: 0 Formatting length: 13

Formatting mode: Left Alignment, Normal Font, Bold On, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 20 | 81 | 03 | 01 | 15 | 00 | 82 | 02 | 81 | 82 | 31 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | 05 | 0D | 44 | 65 | 66 | 61 | 75 | 6C | 74 | 20 | 55 |
| | 52 | 4C | 20 | 31 | D0 | 04 | 00 | 0D | 10 | B4 | | |

PROACTIVE COMMAND: LAUNCH BROWSER 5.6.2

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: UICC Destination device: ME

URL empty Alpha Identifier "Default URL 2"

Text Attribute

Formatting position: 0 Formatting length: 13

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 20 | 81 | 03 | 01 | 15 | 00 | 82 | 02 | 81 | 82 | 31 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | 05 | 0D | 44 | 65 | 66 | 61 | 75 | 6C | 74 | 20 | 55 |
| | 52 | 4C | 20 | 32 | D0 | 04 | 00 | 0D | 00 | B4 | | |

PROACTIVE COMMAND: LAUNCH BROWSER 5.6.3

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: UICC
Destination device: ME
URL empty

Alpha Identifier "Default URL 3"

Coding:

| BER-TLV: | D0 | 1A | 81 | 03 | 01 | 15 | 00 | 82 | 02 | 81 | 82 | 31 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| · | 00 | 05 | 0D | 44 | 65 | 66 | 61 | 75 | 6C | 74 | 20 | 55 |
| | 52 | 4C | 20 | 33 | | | | | | | | |

TERMINAL RESPONSE: LAUNCH BROWSER 5.6.1

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

27.22.4.26.5.6.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 5.6.

27.22.4.26.5.7 LAUNCH BROWSER (support of Text Attribute – Italic On)

27.22.4.26.5.7.1 Definition and applicability

See clause 3.2.2.

27.22.4.26.5.7.2 Conformance requirements

The ME shall support the LAUNCH BROWSER Proactive UICC Command as defined in:

- TS 31.111 [15] clause 5.2, clauses 6.4.26 and 6.6.26, clause 8.6, clause 8.7, clause 8.48, clause 9.2, clause 8.2, clause 8.47, clause 8.49, clause 8.50, clause 8.15, clause 8.31 and clause 8.70.

27.22.4.26.5.7.3 Test purpose

To verify that the ME performs a proper user confirmation with an alpha identifier according to the italic text attribute configuration, launches the Wap session required in LAUNCH BROWSER and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.26.5.7.4 Method of test

27.22.4.26.5.7.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

A valid access to 2 different Wap gateways is required:

- the default Wap parameters (IP address, gateway/proxy identity, called number, URL ...) of the tested mobile shall be properly filled to access one of the gateways ("default gateway")

With that default gateway we shall be able to access to an URL different from the default one.

- another gateway with an IP address different from the one defined in default Wap parameters.

The Bearer Parameters defined in 27.22.4.26.1.4.1 shall be used.

The ME is in idle mode.

27.22.4.26.5.7.4.2 Procedure

Expected Sequence 5.7 (LAUNCH BROWSER, connect to the default URL with Text Attribute – Italic On)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--|--|
| 0 | ME | | [the ME is in idle mode] |
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: LAUNCH BROWSER | |
| | | 5.7.1 | |
| 2 | | FETCH | f (((((((((((((((((((|
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: | [connect to the default URL, "launch browser, |
| 4 | $ME \rightarrow USER$ | LAUNCH BROWSER 5.7.1 ME displays the alpha identifier | if not already launched", no null alpha id] [alpha identifier is displayed with italic on] |
| 5 | USER → ME | The user may have to confirm the | [option: user confirmation] |
| 3 | OSEIX - IVIE | launch browser. | [option: user committation] |
| 6 | $ME \to UICC$ | TERMINAL RESPONSE: LAUNCH | [Command performed successfully] |
| | | BROWSER 5.7.1 | , ,, |
| 7 | $ME { ightarrow} USS$ | The ME attempts to launch the | |
| | | session with the default Wap | |
| | | parameters and the default URL. | |
| 8 | $UICC \to ME$ | PROACTIVE UICC SESSION ENDED | |
| 9 | $USER \to ME$ | The user verifies that the default | |
| | OOLIK / WIL | Wap session is properly | |
| | | established. | |
| | | Then he/she ends the navigation. | |
| 40 | | The ME returns in idle mode. | |
| 10 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: LAUNCH BROWSER 5.7.2 | |
| 11 | $ME \rightarrow UICC$ | FETCH | |
| 12 | UICC → ME | PROACTIVE COMMAND: | [connect to the default URL, "launch browser, |
| | 0.00 / | LAUNCH BROWSER 5.7.2 | if not already launched", no null alpha id] |
| 13 | $ME \to USER$ | ME displays the alpha identifier | [alpha identifier is displayed with italic off] |
| 14 | $USER \to ME$ | The user may have to confirm the | [option: user confirmation] |
| 4.5 | ME 11100 | launch browser. | |
| 15 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: LAUNCH BROWSER 5.7.1 | [Command performed successfully] |
| 16 | $ME \to USS$ | The ME attempts to launch the | |
| | , 555 | session with the default Wap | |
| | | parameters and the default URL. | |
| 17 | $UICC \to ME$ | PROACTIVE UICC SESSION | |
| 40 | | ENDED | |
| 18 | $USER \to ME$ | The user verifies that the default Wap session is properly | |
| | | established. | |
| | | Then he/she ends the navigation. | |
| | | The ME returns in idle mode. | |
| 19 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: LAUNCH BROWSER | |
| 20 | ME 	o UICC | 5.7.1 FETCH | |
| 21 | | PROACTIVE COMMAND: | connect to the default URL, "launch browser, |
| | | LAUNCH BROWSER 5.7.1 | if not already launched", no null alpha id] |
| 22 | $ME \to USER$ | ME displays the alpha identifier | [alpha identifier is displayed with italic on] |
| 23 | $USER \to ME$ | The user may have to confirm the | [option: user confirmation] |
| | | launch browser. | |
| 24 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: LAUNCH | [Command performed successfully] |
| 25 | MEHLISS | BROWSER 5.7.1 The ME attempts to launch the | |
| 25 | ME□USS | session with the default Wap | |
| | | parameters and the default URL. | |
| 26 | $UICC \to ME$ | PROACTIVE UICC SESSION | |
| | | ENDED | |

| 27 | $USER \to ME$ | The user verifies that the default Wap session is properly established. | |
|-----|-----------------------|---|---|
| | | Then he/she ends the navigation. | |
| | | The ME returns in idle mode. | |
| 28 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: LAUNCH BROWSER | |
| | | 5.7.3 | |
| 29 | $ME \rightarrow UICC$ | FETCH | |
| 30 | $UICC \to ME$ | PROACTIVE COMMAND: | [connect to the default URL, "launch browser, |
| | | LAUNCH BROWSER 5.7.3 | if not already launched", no null alpha id] |
| 31 | $ME \rightarrow USER$ | ME displays the alpha identifier | [alpha identifier is displayed with italic off] |
| 32 | $USER \to ME$ | The user may have to confirm the launch browser. | [option: user confirmation] |
| 33 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: LAUNCH BROWSER 5.7.1 | [Command performed successfully] |
| 34 | $ME \to USS$ | The ME attempts to launch the | |
| | | session with the default Wap | |
| 0.5 | | parameters and the default URL. | |
| 35 | $UICC \to ME$ | PROACTIVE UICC SESSION | |
| 36 | USER → ME | The user verifies that the default | |
| 00 | OOLIN IVIL | Wap session is properly | |
| | | established. | |
| | | Then he/she ends the navigation. | |
| | | The ME returns in idle mode. | |

PROACTIVE COMMAND: LAUNCH BROWSER 5.7.1

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: UICC
Destination device: ME
URL empty

Alpha Identifier "Default URL 1"

Text Attribute

Formatting position: 0 Formatting length: 13

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic On, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 20 | 81 | 03 | 01 | 15 | 00 | 82 | 02 | 81 | 82 | 31 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | 05 | 0D | 44 | 65 | 66 | 61 | 75 | 6C | 74 | 20 | 55 |
| | 52 | 4C | 20 | 31 | D0 | 04 | 00 | 0D | 20 | B4 | | |

PROACTIVE COMMAND: LAUNCH BROWSER 5.7.2

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: UICC Destination device: ME

URL empty Alpha Identifier "Default URL 2"

Text Attribute

Formatting position: 0 Formatting length: 13

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 20 | 81 | 03 | 01 | 15 | 00 | 82 | 02 | 81 | 82 | 31 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| - | 00 | 05 | 0D | 44 | 65 | 66 | 61 | 75 | 6C | 74 | 20 | 55 |
| | 52 | 4C | 20 | 32 | D0 | 04 | 00 | 0D | 00 | B4 | | |

PROACTIVE COMMAND: LAUNCH BROWSER 5.7.3

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: UICC
Destination device: ME
URL empty

Alpha Identifier "Default URL 3"

Coding:

| BER-TLV: | D0 | 1A | 81 | 03 | 01 | 15 | 00 | 82 | 02 | 81 | 82 | 31 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| _ | 00 | 05 | 0D | 44 | 65 | 66 | 61 | 75 | 6C | 74 | 20 | 55 |
| | 52 | 4C | 20 | 33 | | | | | | | | |

TERMINAL RESPONSE: LAUNCH BROWSER 5.7.1

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: 81 | 03 | 01 | 15 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|-------------|----|----|----|----|----|----|----|----|----|----|----|
|-------------|----|----|----|----|----|----|----|----|----|----|----|

27.22.4.26.5.7.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 5.7.

27.22.4.26.5.8 LAUNCH BROWSER (support of Text Attribute – Underline On)

27.22.4.26.5.8.1 Definition and applicability

See clause 3.2.2.

27.22.4.26.5.8.2 Conformance requirements

The ME shall support the LAUNCH BROWSER Proactive UICC Command as defined in:

- TS 31.111 [15] clause 5.2, clauses 6.4.26 and 6.6.26, clause 8.6, clause 8.7, clause 8.48, clause 9.2, clause 8.2, clause 8.47, clause 8.49, clause 8.50, clause 8.15, clause 8.31 and clause 8.70.

27.22.4.26.5.8.3 Test purpose

To verify that the ME performs a proper user confirmation with an alpha identifier according to the underline text attribute configuration, launches the Wap session required in LAUNCH BROWSER and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.26.5.8.4 Method of test

27.22.4.26.5.8.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

A valid access to 2 different Wap gateways is required:

- the default Wap parameters (IP address, gateway/proxy identity, called number, URL ...) of the tested mobile shall be properly filled to access one of the gateways ("default gateway")

With that default gateway we shall be able to access to an URL different from the default one.

- another gateway with an IP address different from the one defined in default Wap parameters.

The Bearer Parameters defined in 27.22.4.26.1.4.1 shall be used.

The ME is in idle mode.

27.22.4.26.5.8.4.2 Procedure

Expected Sequence 5.8 (LAUNCH BROWSER, connect to the default URL with Text Attribute – Underline On)

| NE | Step | Direction | MESSAGE / Action | Comments |
|---|------|--|------------------------------|---|
| PENDINS: LAUNCH BROWSER 5.8.1 ME → USCR ME → USCR ME → USCR ME → UCC ME → ME ME → ME ME → UCC ME → ME ME → UCC ME → ME ME → UCC ME ME → UCC ME ME → UCC ME ME → UCC ME ME → UCC ME ME → UCC ME ME → UCC ME ME → UCC ME ME → UCC ME ME → UCC ME ME → UCC ME ME → UCC ME ME → UCC ME ME → UCC ME ME → UCC ME ME → UCC ME ME → UCC ME ME → UCC ME ME → UCC ME ME ME → UCC ME ME ME → UCC ME ME ME → UCC ME ME ME ME ME ME ME ME ME ME ME ME ME | 0 | ME | | [the ME is in idle mode] |
| S.8.1 S.8.1 S.8.1 SETCH PROACTIVE COMMAND: LAUNCH BROWSER 5.8.1 Incl already launched", no null alpha id] Incl already launched", no null a | 1 | $UICC \to ME$ | | |
| Second Content to the default URL, "launch browser, the default URL, "launch browser, the launch brow | | | | |
| LAUNCH BROWSER 5.8.1 ME → USER → ME USER → ME ME displays the alpha identifier The user may have to confirm the launch browser. The ME → USER → ME ME → USER | 2 | $ME \to UICC$ | FETCH | |
| ME → USER ME displays the alpha identifier Iapha identifier is displayed with underline on Ioption: user confirmation Iopti | 3 | $UICC \to ME$ | PROACTIVE COMMAND: | [connect to the default URL, "launch browser, |
| Series | | | | |
| Iaunch browser Iaunch Browser Iau | | | | |
| TERMINAL RESPONSE: LAUNCH BROWSER 5.8.1 The ME attempts to launch the session with the default Wap parameters and the default Wap the work of t | 5 | $USER \rightarrow ME$ | | [option: user confirmation] |
| BROWSER 5.8.1 The ME attempts to launch the session with the default Wap parameters and the default Wap parameters and the default Wap session is properly established. Then he/she ends the navigation. The ME returns in idle mode. PROACTIVE COMMAND PROACTIVE COMMAND PROACTIVE COMMAND LAUNCH BROWSER 5.8.2 ME → UICC → ME HE Gisplays the alpha identifier subscission with the default Wap session is properly established. The ME → UICC → ME PROACTIVE COMMAND PROBLING: LAUNCH BROWSER 5.8.2 ME → USER → ME Gisplays the alpha identifier subscission with the default Wap parameters and the default Wap parameters and the default Wap parameters and the default Wap parameters and the default Wap session is properly established. The ME attempts to launch the session with the default Wap parameters and the default Wap parameters and the default Wap session is properly established. The ME returns in idle mode. PROACTIVE UICC SESSION ENDED The user verifies that the default Wap parameters and the default Wap session is properly established. The ME returns in idle mode. PROACTIVE COMMAND PROACTIVE COMMAND PROBOC | 6 | $ME \rightarrow UICC$ | | [Command performed successfully] |
| session with the default Wap parameters and the default URL. PROACTIVE UICC SESSION ENDED USER → ME The user verifies that the default Wap session is properly established. Then he/she ends the navigation. The ME returns in idle mode. PROACTIVE COMMAND PENDING: LAUNCH BROWSER 5.8.2 IME → UICC → ME PROACTIVE COMMAND: LAUNCH BROWSER 5.8.2 ME displays the alpha identifier The user way have to confirm the launch browser. Session with the default Wap parameters and the default Wap parameters and the default Wap session is properly established. Then he/she ends the navigation. The ME returns in idle mode. PROACTIVE COMMAND PENDING: LAUNCH BROWSER 5.8.1 ME → UICC TERMINAL RESPONSE: LAUNCH BROWSER 5.8.1 ME → UICC → ME ARCHIVE COMMAND PROACTIVE UICC SESSION ENDED ME → UICC → ME PROACTIVE UICC SESSION ENDED ME → UICC → ME PROACTIVE COMMAND PAROACTIVE COMMAND | | | BROWSER 5.8.1 | |
| B | 7 | $ME \rightarrow USS$ | | |
| S | | | | |
| USER → ME USER → ME The user verifies that the default Way session is properly established. Then he/she ends the navigation. The ME returns in idle mode. PROACTIVE COMMAND PENDING: LAUNCH BROWSER 5.8.2 ME → UICC → ME ME → USER → ME ME → USER → ME ME → USER ME → UICC | 8 | $UICC \to ME$ | | |
| Wap session is properly established. 10 UICC → ME PROACTIVE COMMAND PROBLEM FIGURE 1 (Connect to the default URL, "launch browser, if not already launched", no null alpha id] 11 ME → UICC ME PROACTIVE COMMAND: LAUNCH BROWSER 5.8.2 (ME displays the alpha identifier the user may have to confirm the launch browser. 15 ME → UICC ME TERMINAL RESPONSE: LAUNCH BROWSER 5.8.1 16 ME → USS ME displays to launch the session with the default Wap parameters and the default WRL. PROACTIVE UICC SESSION ENDED 18 USER → ME UICC The user verifies that the default Wap parameters in idle mode. PROACTIVE COMMAND PENDING: LAUNCH BROWSER 5.8.1 19 UICC → ME RETCH COMMAND PENDING: LAUNCH BROWSER 5.8.1 20 ME → UICC → ME PROACTIVE COMMAND PENDING: LAUNCH BROWSER 5.8.1 21 ME → UICC → ME PROACTIVE COMMAND PENDING: LAUNCH BROWSER 5.8.1 22 ME → UICC → ME PROACTIVE COMMAND: LAUNCH BROWSER 5.8.1 23 ME → UICC → ME PROACTIVE COMMAND: LAUNCH BROWSER 5.8.1 24 ME → UICC → ME PROACTIVE COMMAND: LAUNCH BROWSER 5.8.1 25 ME ∪ UICC → ME TREMINAL RESPONSE: LAUNCH BROWSER 5.8.1 The ME attempts to launch the session with the default URL. PROACTIVE UICC SESSION ENDING: LAUNCH BROWSER 5.8.1 The ME attempts to launch the session with the default URL. PROACTIVE UICC SESSION ENDING: LAUNCH BROWSER 5.8.1 The ME attempts to launch the session with the default URL. PROACTIVE UICC SESSION ENDING: LAUNCH BROWSER 5.8.1 The ME attempts to launch the session with the default URL. PROACTIVE UICC SESSION ENDING: LAUNCH BROWSER 5.8.1 The ME attempts to launch the session with the default URL. PROACTIVE UICC SESSION ENDING: LAUNCH BROWSER 5.8.1 | | J. J. J. J. J. J. J. J. J. J. J. J. J. J | ENDED | |
| International content of the default URL, "launch browser, If not already launched", no null alpha id] International content of the default URL, "launch browser, If not already launched", no null alpha id] International content of the default URL, "launch browser, If not already launched", no null alpha id] International content of the default URL, "launch browser, If not already launched", no null alpha id] International content of the default URL, "launch browser, If not already launched", no null alpha id] International content of the default URL, "launch browser, If not already launched", no null alpha id] International content of the default URL, if not already launched", no null alpha id] International content of the default URL, if not already launched in the default URL, if not already launched in the launch browser, if not already launched in not launch international launch in the launch browser, if not already launched in no null alpha id] International content of the default URL, if not already launched in no null alpha id] International content of the default URL, if not already launched in no null alpha id] International content of the default URL, if not already launched in no null alpha id] International content of the default URL, if not already launched in no null alpha id] International content of the default URL, if not already launched in no null alpha id] International content of the default URL, if not already launched in no null alpha id] International content of the default URL, if not already launched in no null alpha id] International content of the default URL, if not already launched in not already launched in not already launched in not already launched in not already launched in not already launched in not already launched in not already launched in not already launched in not already launched in not already launched in not already launched in not already launched in not already launched in not already launched in not already launched in not already | 9 | $USER \to ME$ | | |
| Then he/she ends the navigation. The ME returns in idle mode. PROACTIVE COMMAND PENDING: LAUNCH BROWSER 5.8.2 11 ME → UICC → ME 12 UICC → ME 13 ME → USER ME displays the alpha identifier 14 USER → ME 15 ME → UICC 16 ME → UICC 17 TERMINAL RESPONSE: LAUNCH BROWSER 5.8.1 18 ME → USS ME → USS ME → USS ME → USS ME → UICC ME 17 UICC → ME 18 USER → ME 19 UICC → ME 19 UICC → ME 19 UICC → ME 20 ME → UICC 21 UICC → ME 21 ME → UICC 22 ME → UICC 23 ME → UICC ME → UICC ME → UICC ME 24 ME → UICC ME → UICC ME 25 ME → UICC ME 16 ME → UICC ME 17 ME → UICC ME 18 USER → ME 18 USER → ME 18 UICC → ME 19 UICC → ME 19 UICC → ME 19 UICC → ME 19 UICC → ME 10 ME → UICC ME 10 ME → UICC ME 11 ME → UICC ME 12 ME → UICC ME 13 ME → UICC ME 14 ME → UICC ME 15 ME → UICC ME 16 ME → UICC ME 17 ME → UICC ME 18 ME → UICC ME 19 UICC → ME 19 UICC → ME 19 UICC → ME 10 ME → UICC ME 10 ME → UICC ME 11 ME displays the alpha identifier The user may have to confirm the launch browser. TERMINAL RESPONSE: LAUNCH BROWSER 5.8.1 ME → UICC ME 16 ME → UICC ME 17 ME displays the alpha identifier The user may have to confirm the launch browser. TERMINAL RESPONSE: LAUNCH BROWSER 5.8.1 ME ∪ UICC → ME 16 ME → UICC ME 17 ME displays the alpha identifier The user may have to confirm the launch browser. TERMINAL RESPONSE: LAUNCH BROWSER 5.8.1 ME ∪ UICC → ME 17 ME → UICC ME 18 ME → UICC ME 19 ME → UICC ME 19 ME → UICC ME 10 ME → UICC ME 10 ME → UICC ME 10 ME → UICC ME 10 ME → UICC ME 10 ME → UICC ME 10 | | | | |
| The ME returns in idle mode. PROACTIVE COMMAND PRONDING: LAUNCH BROWSER 5.8.2 FETCH UICC → ME ME → USER ME → USER ME → UICC → ME ME → UICC ME → UICC → ME ME → UICC ME → UICC ME → UICC → ME ME → UICC M | | | | |
| PENDING: LAUNCH BROWSER 5.8.2 FETCH PROACTIVE COMMAND: LAUNCH BROWSER 5.8.2 ME → USER ME ⇒ USER ME ⇒ UICC ME → ME ME → UICC ME → UICC → ME ME → UICC ME → UICC → ME ME → UICC ME → UICC → ME ME → UICC ME → UICC → ME ME → UICC M | | | The ME returns in idle mode. | |
| 5.8.2 FETCH PROACTIVE COMMAND: LAUNCH BROWSER 5.8.2 If not already launched", no null alpha id] [alpha identifier of the user may have to confirm the launch browser.] [alpha identifier is displayed with underline off] [alpha identi | 10 | $UICC \to ME$ | | |
| 11 ME → UICC 12 UICC → ME 13 ME → USER 14 USER → ME 15 ME → UICC 16 ME → UICC 17 ME → UICC 18 ME → UICC 18 ME → UICC 19 ME → UICC 19 ME → UICC 19 ME → UICC 10 ME → UICC 10 ME → UICC 11 ME → UICC 11 ME → UICC 12 ME displays the alpha identifier 15 ME → UICC 16 ME → UICC 17 TERMINAL RESPONSE: LAUNCH BROWSER 5.8.1 18 UICC → ME 19 UICC → ME 19 UICC → ME 19 UICC → ME 20 ME → UICC 21 UICC → ME 21 UICC → ME 22 ME → UICC 21 UICC → ME 23 USER → ME 24 ME → UICC 25 ME □ USC 26 ME □ USC 27 ME □ UICC 28 ME □ UICC 29 ME □ UICC 20 ME □ UICC 21 UICC → ME 22 ME → UICC 23 UICC → ME 24 ME → UICC 25 ME □ UICC 26 UICC → ME 27 ME □ UICC 28 ME □ UICC 29 ME □ UICC 29 ME □ UICC 20 ME → UICC 21 UICC → ME 21 UICC → ME 22 ME → UICC 23 UICC → ME 24 ME → UICC 25 ME □ UICC 26 UICC → ME 27 ME □ UICC 28 ME □ UICC 29 ME □ UICC 20 ME □ UICC 20 ME □ UICC 21 UICC → ME 22 ME □ UICC 23 UICC → ME 24 ME → UICC 25 ME □ UICC 26 UICC → ME 27 ME □ UICC 28 ME □ UICC 29 ME □ UICC 29 ME □ UICC 20 ME □ UICC 20 ME □ UICC 21 UICC → ME 23 USER → ME 24 ME → UICC 25 ME □ UICC 26 UICC → ME 27 ME □ UICC 28 ME □ UICC 29 ME □ UICC 29 ME □ UICC 20 ME □ UICC 20 ME □ UICC 21 UICC → ME 22 ME □ UICC 23 UICC → ME 24 ME □ UICC 25 ME □ UICC 26 UICC → ME 27 ME □ UICC 28 ME □ UICC 29 ME □ UICC 29 ME □ UICC 20 ME □ UICC 20 ME □ UICC 21 UICC → ME 21 UICC → ME 22 ME □ UICC 23 UICC → ME 24 ME □ UICC 25 ME □ UICC 26 UICC → ME 27 ME □ UICC 28 ME □ UICC 29 ME □ UICC 29 ME □ UICC 20 ME □ UICC 20 ME □ UICC → ME 20 ME □ UICC → ME 21 UICC → ME 22 ME □ UICC 23 ME □ UICC 24 ME □ UICC 25 ME □ UICC 26 UICC → ME 27 ME □ UICC 27 ME □ UICC 28 ME □ UICC 29 ME □ UICC 29 ME □ UICC 20 ME 20 ME → UICC 20 ME 20 ME → UICC 21 UICC → ME 21 UICC → ME 22 ME → UICC 23 ME □ UICC 24 ME → UICC 25 ME □ UICC 26 ME 27 ME → UICC 27 ME 28 ME → UICC 29 ME 29 ME → UICC 20 ME 20 ME → UICC 21 UICC → ME 20 ME → UICC 21 UICC → ME 21 ME → UICC 22 ME 23 ME → UICC 24 ME 25 ME 26 UICC → ME 26 ME 27 ME 28 ME 29 ME 29 ME 20 ME 20 ME 20 ME 20 ME 20 ME 20 ME 20 ME 20 ME 20 ME 21 MICC 21 (ICC → ME 21 (ICC → ME 21 (ICC → ME 22 (I | | | | |
| 12 UICC → ME LAUNCH BROWSER 5.8.2 ME → USER ME displays the alpha identifier The user may have to confirm the launch browser, and the default Wap parameters and the default URL. TERMINAL RESPONSE: LAUNCH BROWSER 5.8.1 ME → UICC TERMINAL RESPONSE: LAUNCH BROWSER 5.8.1 The ME attempts to launch the session with the default Wap parameters and the default URL. PROACTIVE UICC SESSION ENDED The user verifies that the default Wap session is properly established. Then he/she ends the navigation. The ME returns in idle mode. PROACTIVE COMMAND PENDING: LAUNCH BROWSER 5.8.1 ME → UICC → ME ME → UICC | 11 | MF → LIICC | | |
| LAUNCH BROWSER 5.8.2 ME → USER ME displays the alpha identifier The user may have to confirm the launch browser. ME → UICC ME → USS ME → USS ME → USS ME → USS ME → USS ME → USS TERMINAL RESPONSE: LAUNCH BROWSER 5.8.1 The ME attempts to launch the session with the default Wap parameters and the default URL. PROACTIVE UICC SESSION ENDED WICC → ME UICC → ME ME → USS ME → UICC ME → UICC → ME ME → | | | | [connect to the default URL, "launch browser, |
| 14 USER → ME IThe user may have to confirm the launch browser. 15 ME → UICC TERMINAL RESPONSE: LAUNCH BROWSER 5.8.1 16 ME → USS TERMINAL RESPONSE: LAUNCH BROWSER 5.8.1 17 UICC → ME PROACTIVE UICC SESSION ENDED The user verifies that the default Wap session is properly established. Then he/she ends the navigation. The ME returns in idle mode. PROACTIVE COMMAND PENDING: LAUNCH BROWSER 5.8.1 20 ME → UICC → ME PROACTIVE COMMAND: LAUNCH BROWSER 5.8.1 21 UICC → ME PROACTIVE COMMAND: LAUNCH BROWSER 5.8.1 22 ME → USER → ME UICC → ME USER → ME USER → ME USER → ME USER → ME USER → ME USER → ME USER → ME UICC → ME USER → ME UICC → ME USER → ME UICC → ME USER → ME UICC → ME USER → ME UICC → ME USER 5.8.1 24 ME → UICC → ME UICC → ME USER → ME USER → ME USER → ME UICC → ME USER → ME UICC → ME PROACTIVE UICC SESSION | | | | |
| Iaunch browser. TERMINAL RESPONSE: LAUNCH BROWSER 5.8.1 The ME attempts to launch the session with the default Wap parameters and the default URL. PROACTIVE UICC SESSION ENDED The user verifies that the default Wap session is properly established. Then he/she ends the navigation. The ME returns in idle mode. PROACTIVE COMMAND PENDING: LAUNCH BROWSER 5.8.1 TETCH UICC → ME PROACTIVE COMMAND PENDING: LAUNCH BROWSER 5.8.1 Iapha identifier The user may have to confirm the launch browser. Iapha identifier The user may have to confirm the launch browser. TERMINAL RESPONSE: LAUNCH BROWSER 5.8.1 Iapha identifier is displayed with underline on Iapha identifier The user may have to confirm the launch browser. Iapha identifier is displayed with underline on Iapha identifier The user may have to confirm the launch browser. Iapha identifier Iapha identifier Iapha identifier is displayed with underline on Iapha identifier Iapha identifier is displayed with underline on Iapha identifier Iapha identifie | | | | |
| 15 ME → UICC ME → USS ME → USS ME → USS ME → USS ME → USS The ME attempts to launch the session with the default Wap parameters and the default URL. PROACTIVE UICC SESSION ENDED The user verifies that the default Wap session is properly established. Then he/she ends the navigation. The ME returns in idle mode. PROACTIVE COMMAND PENDING: LAUNCH BROWSER 5.8.1 ME → UICC UICC → ME ME → UICC ME → USER ME → USER ME → USER ME → USER ME → USER ME → USER ME → UICC ME → | 14 | $USER \to ME$ | | [option: user confirmation] |
| BROWSER 5.8.1 The ME attempts to launch the session with the default Wap parameters and the default URL. PROACTIVE UICC SESSION ENDED 18 USER → ME UICC → ME 19 UICC → ME 19 UICC → ME 20 ME → UICC 21 UICC → ME UICC → ME 22 ME → USER 23 USER → ME 24 ME → UICC 25 ME□USS ME□USS ME□USS BROWSER 5.8.1 The ME attempts to launch the session with the default Wap parameters and the default URL. PROACTIVE COMMAND: LAUNCH BROWSER 5.8.1 [connect to the default URL, "launch browser, if not already launched", no null alpha id] [alpha identifier is displayed with underline on] [option: user confirmation] [command performed successfully] ME□USS ME□USS ME□USS ME□USS ME□USS UICC → ME UICC → ME PROACTIVE UICC SESSION | 15 | $ME \rightarrow UICC$ | | [Command performed successfully] |
| session with the default Wap parameters and the default URL. PROACTIVE UICC SESSION ENDED 18 USER → ME USER → ME The user verifies that the default Wap session is properly established. Then he/she ends the navigation. The ME returns in idle mode. PROACTIVE COMMAND PENDING: LAUNCH BROWSER 5.8.1 20 ME → UICC → ME PROACTIVE COMMAND: LAUNCH BROWSER 5.8.1 21 ME → USER WE displays the alpha identifier USER → ME USER → ME USER → ME USER → ME USER 5.8.1 22 ME → UICC → ME DICC BROWSER 5.8.1 23 ME → UICC BROWSER 5.8.1 24 ME → UICC TERMINAL RESPONSE: LAUNCH BROWSER 5.8.1 The ME attempts to launch the session with the default URL. PROACTIVE UICC SESSION | | | BROWSER 5.8.1 | , |
| Degrammeters and the default URL. PROACTIVE UICC SESSION ENDED The user verifies that the default Wap session is properly established. Then he/she ends the navigation. The ME returns in idle mode. PROACTIVE COMMAND PENDING: LAUNCH BROWSER 5.8.1 PROACTIVE COMMAND: LAUNCH BROWSER 5.8.1 ME → UICC ME → USER UICC → ME ME → USER USER → ME ME → USER ME → USER ME → USER ME → UICC ME → UICC ME → UICC ME → USER The user may have to confirm the launch browser. TERMINAL RESPONSE: LAUNCH BROWSER 5.8.1 The ME attempts to launch the session with the default URL. The ME attempts to launch the session with the default URL. PROACTIVE UICC SESSION PROACTIVE UICC SESSION | 16 | $ME \rightarrow USS$ | | |
| 17 UICC → ME PROACTIVE UICC SESSION ENDED 18 USER → ME The user verifies that the default Wap session is properly established. Then he/she ends the navigation. The ME returns in idle mode. PROACTIVE COMMAND PENDING: LAUNCH BROWSER 5.8.1 20 ME → UICC 21 UICC → ME PROACTIVE COMMAND: LAUNCH BROWSER 5.8.1 22 ME → USER DEFAURE ME displays the alpha identifier The user may have to confirm the launch browser. 24 ME → UICC TERMINAL RESPONSE: LAUNCH BROWSER 5.8.1 The ME attempts to launch the session with the default URL. PROACTIVE UICC SESSION THORSE SESSION PROACTIVE UICC SESSION Connect to the default URL, "launch browser, if not already launched", no null alpha id] [alpha identifier is displayed with underline on] [option: user confirmation] [Command performed successfully] | | | | |
| USER → ME USER | 17 | $UICC \to ME$ | | |
| Wap session is properly established. Then he/she ends the navigation. The ME returns in idle mode. PROACTIVE COMMAND PENDING: LAUNCH BROWSER 5.8.1 FETCH PROACTIVE COMMAND: LAUNCH BROWSER 5.8.1 ME → USER ME → USER ME → USER ME → USER ME → UICC ME → UICC ME → UICC ME → USER ME → USER ME → UICC M | | | ENDED | |
| established. Then he/she ends the navigation. The ME returns in idle mode. PROACTIVE COMMAND PENDING: LAUNCH BROWSER 5.8.1 20 ME → UICC 21 UICC → ME PROACTIVE COMMAND: LAUNCH BROWSER 5.8.1 22 ME → USER USER → ME USER → ME USER → ME 44 ME → UICC TERMINAL RESPONSE: LAUNCH BROWSE: LAUNCH BROWSER 5.8.1 The ME attempts to launch the session with the default Wap parameters and the default URL. PROACTIVE COMMAND: [connect to the default URL, "launch browser, if not already launched", no null alpha id] [alpha identifier is displayed with underline on] [command performed successfully] [command performed successfully] | 18 | $USER \to ME$ | | |
| Then he/she ends the navigation. The ME returns in idle mode. PROACTIVE COMMAND PENDING: LAUNCH BROWSER 5.8.1 PROACTIVE COMMAND: PETCH PROACTIVE COMMAND: LAUNCH BROWSER 5.8.1 ME → USER USER → ME WE → USER USER → ME WE → UICC ME → UICC | | | | |
| The ME returns in idle mode. PROACTIVE COMMAND PENDING: LAUNCH BROWSER 5.8.1 PROACTIVE COMMAND PENDING: LAUNCH BROWSER 5.8.1 FETCH PROACTIVE COMMAND: LAUNCH BROWSER 5.8.1 ME → USER USER → ME WE displays the alpha identifier The user may have to confirm the launch browser. TERMINAL RESPONSE: LAUNCH BROWSER 5.8.1 The ME attempts to launch the session with the default URL. PROACTIVE UICC SESSION The ME returns in idle mode. PROACTIVE COMMAND [connect to the default URL, "launch browser, if not already launched", no null alpha id] [alpha identifier is displayed with underline on] [command performed successfully] | | | | |
| PENDING: LAUNCH BROWSER 5.8.1 PENDING: LAUNCH BROWSER 5.8.1 FETCH PROACTIVE COMMAND: LAUNCH BROWSER 5.8.1 ME → USER USER → ME WE displays the alpha identifier The user may have to confirm the launch browser. TERMINAL RESPONSE: LAUNCH BROWSER 5.8.1 The ME attempts to launch the session with the default Wap parameters and the default URL. PROACTIVE UICC SESSION Connect to the default URL, "launch browser, if not already launched", no null alpha id] [alpha identifier is displayed with underline on] [command performed successfully] Command performed successfully] | | | The ME returns in idle mode. | |
| 5.8.1 PROACTIVE COMMAND: LAUNCH BROWSER 5.8.1 ME → USER USER → ME WE → UICC ME → ME → UICC ME → UICC ME → UICC ME → UICC ME → UICC ME → UICC ME → UICC ME → UICC ME → UICC ME → UICC ME → UICC ME → UICC ME → UICC ME → UICC ME → UICC ME → UICC ME → UICC ME → ME → UICC ME → UIC | 19 | $UICC \to ME$ | | |
| 20 ME → UICC 21 UICC → ME 22 ME → USER USER → ME 23 USER → ME → UICC 24 ME → UICC 25 ME □ USS 26 UICC → ME 27 ME → UICC 28 ME → UICC 29 ME → UICC 20 ME → UICC 20 ME → UICC 21 ME → UICC 22 ME □ USS 23 ME □ USS 24 ME → UICC 25 ME □ USS 26 UICC → ME 27 ME □ USS 28 FETCH PROACTIVE COMMAND: [connect to the default URL, "launch browser, if not already launched", no null alpha id] [alpha identifier is displayed with underline on] [connect to the default URL, "launch browser, if not already launched", no null alpha id] [alpha identifier is displayed with underline on] [connect to the default URL, "launch browser, if not already launched", no null alpha id] [alpha identifier is displayed with underline on] [connect to the default URL, "launch browser, if not already launched", no null alpha id] [alpha identifier is displayed with underline on] [connect to the default URL, "launch browser, if not already launched", no null alpha id] [alpha identifier is displayed with underline on] [connect to the default URL, "launch browser, if not already launched", no null alpha id] [alpha identifier is displayed with underline on] [connect to the default URL, "launch browser, if not already launched", no null alpha id] [alpha identifier is displayed with underline on] [connect to the default URL, "launch browser, if not already launched", no null alpha id] [alpha identifier is displayed with underline on] [connect to the default URL, "launch browser, if not already launched", no null alpha id] [alpha identifier is displayed with underline on] [connect to the default URL, "launch browser, "launch browser, "launch default URL, "launch browser, "launch default URL, "launch browser, "launch default URL, "launch default URL, "launch default URL, "launch default URL, "launch default | | | | |
| UICC → ME PROACTIVE COMMAND: LAUNCH BROWSER 5.8.1 ME → USER USER → ME ME → UICC ME → | 20 | $ME \rightarrow UICC$ | | |
| 22 ME → USER USER → ME USER → ME The user may have to confirm the launch browser. 24 ME → UICC TERMINAL RESPONSE: LAUNCH BROWSER 5.8.1 25 ME□USS The ME attempts to launch the session with the default Wap parameters and the default URL. 26 UICC → ME ME displays the alpha identifier [alpha identifier is displayed with underline on] [option: user confirmation] [Command performed successfully] | | | | |
| USER → ME The user may have to confirm the launch browser. ME → UICC TERMINAL RESPONSE: LAUNCH BROWSER 5.8.1 The ME attempts to launch the session with the default Wap parameters and the default URL. PROACTIVE UICC SESSION | | | | |
| 24 ME → UICC Iaunch browser. TERMINAL RESPONSE: LAUNCH [Command performed successfully] BROWSER 5.8.1 The ME attempts to launch the session with the default Wap parameters and the default URL. PROACTIVE UICC SESSION | | | | |
| 24 ME → UICC TERMINAL RESPONSE: LAUNCH BROWSER 5.8.1 25 ME□USS The ME attempts to launch the session with the default Wap parameters and the default URL. 26 UICC → ME PROACTIVE UICC SESSION | 23 | USEK → ME | | lobuon, aser communation |
| BROWSER 5.8.1 The ME attempts to launch the session with the default Wap parameters and the default URL. UICC → ME PROACTIVE UICC SESSION | 24 | $ME \to UICC$ | | [Command performed successfully] |
| session with the default Wap parameters and the default URL. 26 UICC → ME PROACTIVE UICC SESSION | | | BROWSER 5.8.1 | · |
| parameters and the default URL. 26 UICC → ME PROACTIVE UICC SESSION | 25 | ME□USS | | |
| 26 UICC → ME PROACTIVE UICC SESSION | | | | |
| | 26 | $UICC \to ME$ | | |
| · · · · · · · · · · · · · · · · · · · | | | | |

| 27 | USER → ME | The user verifies that the default Wap session is properly established. Then he/she ends the navigation. | |
|----|-----------------------|--|---|
| 28 | $UICC \to ME$ | The ME returns in idle mode. PROACTIVE COMMAND PENDING: LAUNCH BROWSER 5.8.3 | |
| 29 | ME → UICC | FETCH | |
| 30 | UICC → ME | PROACTIVE COMMAND: LAUNCH BROWSER 5.8.3 | [connect to the default URL, "launch browser, if not already launched", no null alpha id] |
| 31 | $ME \rightarrow USER$ | ME displays the alpha identifier | [alpha identifier is displayed with underline off] |
| 32 | $USER \to ME$ | The user may have to confirm the launch browser. | [option: user confirmation] |
| 33 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: LAUNCH BROWSER 5.8.1 | [Command performed successfully] |
| 34 | $ME \rightarrow USS$ | The ME attempts to launch the session with the default Wap parameters and the default URL. | |
| 35 | $UICC \to ME$ | PROACTIVE UICC SESSION ENDED | |
| 36 | $USER \to ME$ | The user verifies that the default Wap session is properly established. | |
| | | Then he/she ends the navigation. The ME returns in idle mode. | |

PROACTIVE COMMAND: LAUNCH BROWSER 5.8.1

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: UICC
Destination device: ME
URL empty

Alpha Identifier "Default URL 1"

Text Attribute

Formatting position: 0 Formatting length: 13

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline On,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 20 | 81 | 03 | 01 | 15 | 00 | 82 | 02 | 81 | 82 | 31 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | 05 | 0D | 44 | 65 | 66 | 61 | 75 | 6C | 74 | 20 | 55 |
| | 52 | 4C | 20 | 31 | D0 | 04 | 00 | 0D | 40 | B4 | | |

PROACTIVE COMMAND: LAUNCH BROWSER 5.8.2

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: UICC Destination device: ME

URL empty Alpha Identifier "Default URL 2"

Text Attribute

Formatting position: 0 Formatting length: 13

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 20 | 81 | 03 | 01 | 15 | 00 | 82 | 02 | 81 | 82 | 31 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| - | 00 | 05 | 0D | 44 | 65 | 66 | 61 | 75 | 6C | 74 | 20 | 55 |
| | 52 | 4C | 20 | 32 | D0 | 04 | 00 | 0D | 00 | B4 | | |

PROACTIVE COMMAND: LAUNCH BROWSER 5.8.3

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: UICC
Destination device: ME
URL empty

Alpha Identifier "Default URL 3"

Coding:

| BER-TLV: | D0 | 1A | 81 | 03 | 01 | 15 | 00 | 82 | 02 | 81 | 82 | 31 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| · | 00 | 05 | 0D | 44 | 65 | 66 | 61 | 75 | 6C | 74 | 20 | 55 |
| | 52 | 4C | 20 | 33 | | | | | | | | |

TERMINAL RESPONSE: LAUNCH BROWSER 5.8.1

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: 81 | 03 | 01 | 15 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|-------------|----|----|----|----|----|----|----|----|----|----|----|
|-------------|----|----|----|----|----|----|----|----|----|----|----|

27.22.4.26.5.8.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 5.8.

27.22.4.26.5.9 LAUNCH BROWSER (support of Text Attribute – Strikethrough On)

27.22.4.26.5.9.1 Definition and applicability

See clause 3.2.2.

27.22.4.26.5.9.2 Conformance requirements

The ME shall support the LAUNCH BROWSER Proactive UICC Command as defined in:

- TS 31.111 [15] clause 5.2, clauses 6.4.26 and 6.6.26, clause 8.6, clause 8.7, clause 8.48, clause 9.2, clause 8.2, clause 8.47, clause 8.49, clause 8.50, clause 8.15, clause 8.31 and clause 8.70.

27.22.4.26.5.9.3 Test purpose

To verify that the ME performs a proper user confirmation with an alpha identifier according to the strikethrough text attribute configuration, launches the Wap session required in LAUNCH BROWSER and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.26.5.9.4 Method of test

27.22.4.26.5.9.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

A valid access to 2 different Wap gateways is required:

- the default Wap parameters (IP address, gateway/proxy identity, called number, URL ...) of the tested mobile shall be properly filled to access one of the gateways ("default gateway")

With that default gateway we shall be able to access to an URL different from the default one.

- another gateway with an IP address different from the one defined in default Wap parameters.

The Bearer Parameters defined in 27.22.4.26.1.4.1 shall be used.

The ME is in idle mode.

27.22.4.26.5.9.4.2 Procedure

Expected Sequence 5.9 (LAUNCH BROWSER, connect to the default URL with Text Attribute – Strikethrough On)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--|---|
| 0 | ME | | [the ME is in idle mode] |
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: LAUNCH BROWSER 5.9.1 | |
| 2 | $ME \to UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: | [connect to the default URL, "launch browser, |
| 4 | $ME \to USER$ | LAUNCH BROWSER 5.9.1 ME displays the alpha identifier | if not already launched", no null alpha id] [alpha identifier is displayed with strikethrough |
| 5 | $USER \to ME$ | The user may have to confirm the launch browser. | on] [option: user confirmation] |
| 6 | $ME \to UICC$ | TERMINAL RESPONSE: LAUNCH BROWSER 5.9.1 | [Command performed successfully] |
| 7 | ME→USS | The ME attempts to launch the session with the default Wap | |
| 8 | $UICC \to ME$ | parameters and the default URL. PROACTIVE UICC SESSION ENDED | |
| 9 | $USER \to ME$ | The user verifies that the default Wap session is properly | |
| 10 | $UICC \to ME$ | established. Then he/she ends the navigation. The ME returns in idle mode. PROACTIVE COMMAND PENDING: LAUNCH BROWSER | |
| 11 | $ME \rightarrow UICC$ | 5.9.2 FETCH | |
| 12 | | PROACTIVE COMMAND: | connect to the default URL, "launch browser, |
| 13 | ME → USER | LAUNCH BROWSER 5.9.2 ME displays the alpha identifier | if not already launched", no null alpha id] [alpha identifier is displayed with strikethrough |
| 14 | $USER \to ME$ | The user may have to confirm the launch browser. | off] [option: user confirmation] |
| 15 | $ME \to UICC$ | TERMINAL RESPONSE: LAUNCH BROWSER 5.9.1 | [Command performed successfully] |
| 16 | $ME \rightarrow USS$ | The ME attempts to launch the session with the default Wap parameters and the default URL. | |
| 17 | $UICC \to ME$ | PROACTIVE UICC SESSION ENDED | |
| 18 | $USER \to ME$ | The user verifies that the default Wap session is properly established. Then he/she ends the navigation. | |
| 19 | $UICC \to ME$ | The ME returns in idle mode. PROACTIVE COMMAND PENDING: LAUNCH BROWSER 5.9.1 | |
| 20 | $ME \to UICC$ | FETCH | |
| 21 | | PROACTIVE COMMAND: | [connect to the default URL, "launch browser, |
| 22 | $ME \to USER$ | LAUNCH BROWSER 5.9.1 ME displays the alpha identifier | if not already launched", no null alpha id] [alpha identifier is displayed with strikethrough on] |
| 23 | $USER \to ME$ | The user may have to confirm the launch browser. | [option: user confirmation] |
| 24 | $ME \to UICC$ | TERMINAL RESPONSE: LAUNCH BROWSER 5.9.1 | [Command performed successfully] |
| 25 | ME□USS | The ME attempts to launch the session with the default Wap | |
| 26 | | parameters and the default URL. PROACTIVE UICC SESSION ENDED | |

| 27 | $USER \to ME$ | The user verifies that the default | |
|----|-----------------------|--|---|
| | | Wap session is properly | |
| | | established. | |
| | | Then he/she ends the navigation. | |
| | | The ME returns in idle mode. | |
| 28 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: LAUNCH BROWSER 15.9.3 | |
| 29 | ME 	o UICC | IFFTCH | |
| 30 | WIL 7 0100 | PROACTIVE COMMAND: | connect to the default URL, "launch browser, |
| 00 | OIOO IVIL | LAUNCH BROWSER 5.9.3 | if not already launched", no null alpha id] |
| 31 | $ME \rightarrow USER$ | ME displays the alpha identifier | [alpha identifier is displayed with strikethrough |
| | | | off] |
| 32 | $USER \to ME$ | The user may have to confirm the | [option: user confirmation] |
| | | launch browser. | |
| 33 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: LAUNCH | [Command performed successfully] |
| | | BROWSER 5.9.1 | |
| 34 | $ME \to USS$ | The ME attempts to launch the | |
| | | session with the default Wap parameters and the default URL. | |
| 35 | $UICC \to ME$ | PROACTIVE UICC SESSION | |
| 33 | | ENDED | |
| 36 | $USER \to ME$ | The user verifies that the default | |
| | | Wap session is properly | |
| | | established. | |
| | | Then he/she ends the navigation. | |
| | | The ME returns in idle mode. | |

PROACTIVE COMMAND: LAUNCH BROWSER 5.9.1

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: UICC
Destination device: ME
URL empty
Alpha Identifier "Default URL 1"

Text Attribute

Formatting position: 0 Formatting length: 13

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough On

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 20 | 81 | 03 | 01 | 15 | 00 | 82 | 02 | 81 | 82 | 31 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | 05 | 0D | 44 | 65 | 66 | 61 | 75 | 6C | 74 | 20 | 55 |
| | 52 | 4C | 20 | 31 | D0 | 04 | 00 | 0D | 80 | B4 | | |

PROACTIVE COMMAND: LAUNCH BROWSER 5.9.2

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: UICC

 $\begin{array}{cc} \text{Destination device:} & \text{ME} \\ \text{URL} & \text{empty} \\ \text{Alpha Identifier} & \text{"Default URL 2"} \end{array}$

Text Attribute

Formatting position: 0 Formatting length: 13

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 20 | 81 | 03 | 01 | 15 | 00 | 82 | 02 | 81 | 82 | 31 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | 05 | 0D | 44 | 65 | 66 | 61 | 75 | 6C | 74 | 20 | 55 |
| | 52 | 4C | 20 | 32 | D0 | 04 | 00 | 0D | 00 | B4 | | |

PROACTIVE COMMAND: LAUNCH BROWSER 5.9.3

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: UICC
Destination device: ME
URL empty

Alpha Identifier "Default URL 3"

Coding:

| BER-TLV: | D0 | 1A | 81 | 03 | 01 | 15 | 00 | 82 | 02 | 81 | 82 | 31 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | 05 | 0D | 44 | 65 | 66 | 61 | 75 | 6C | 74 | 20 | 55 |
| | 52 | 4C | 20 | 33 | | | | | | | | |

TERMINAL RESPONSE: LAUNCH BROWSER 5.9.1

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 15 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0. | 00 | 0. | 10 | 00 | 02 | 02 | 02 | 0. | 00 | 0. | 00 |

27.22.4.26.5.9.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 5.9.

27.22.4.26.5.10 LAUNCH BROWSER (support of Text Attribute – Foreground and Background Colour)

27.22.4.26.5.10.1 Definition and applicability

See clause 3.2.2.

27.22.4.26.5.10.2 Conformance requirements

The ME shall support the LAUNCH BROWSER Proactive UICC Command as defined in:

- TS 31.111 [15] clause 5.2, clauses 6.4.26 and 6.6.26, clause 8.6, clause 8.7, clause 8.48, clause 9.2, clause 8.2, clause 8.47, clause 8.49, clause 8.50, clause 8.15, clause 8.31 and clause 8.70.

27.22.4.26.5.10.3 Test purpose

To verify that the ME performs a proper user confirmation with an alpha identifier according to the foreground and background colour text attribute configuration, launches the Wap session required in LAUNCH BROWSER and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.26.5.10.4 Method of test

27.22.4.26.5.10.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

A valid access to 2 different Wap gateways is required:

- the default Wap parameters (IP address, gateway/proxy identity, called number, URL ...) of the tested mobile shall be properly filled to access one of the gateways ("default gateway")

With that default gateway we shall be able to access to an URL different from the default one.

- another gateway with an IP address different from the one defined in default Wap parameters.

The Bearer Parameters defined in 27.22.4.26.1.4.1 shall be used.

The ME is in idle mode.

27.22.4.26.5.10.4.2 Procedure

Expected Sequence 5.10 (LAUNCH BROWSER, connect to the default URL with Text Attribute – Foreground and Background Colour)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--|---|
| 0 | ME | | [the ME is in idle mode] |
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: LAUNCH BROWSER | |
| | | 5.10.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: | [connect to the default URL, "launch browser, |
| | | LAUNCH BROWSER 5.10.1 | if not already launched", no null alpha id] |
| 4 | $ME \rightarrow USER$ | ME displays the alpha identifier | [alpha identifier is displayed with foreground |
| | | | and background colour according to the text |
| 5 | LICED ME | The user may have to confirm the | attribute configuration] [option: user confirmation] |
| 5 | $USER \to ME$ | launch browser. | [option: user commutation] |
| 6 | $ME \rightarrow UICC$ | | [Command performed successfully] |
| | IVIL -> UICC | BROWSER 5.10.1 | [Continana performed successibility] |
| 7 | ME→USS | The ME attempts to launch the | |
| | L 7000 | session with the default Wap | |
| | | parameters and the default URL. | |
| 8 | $UICC \to ME$ | PROACTIVE UICC SESSION | |
| | | ENDED | |
| 9 | $USER \to ME$ | The user verifies that the default | |
| | | Wap session is properly | |
| | | established. | |
| | | Then he/she ends the navigation. | |
| 10 | LUCC ME | The ME returns in idle mode. PROACTIVE COMMAND | |
| 10 | $UICC \to ME$ | PENDING: LAUNCH BROWSER | |
| | | 5.10.2 | |
| 11 | $ME \to UICC$ | FETCH | |
| 12 | UICC → ME | PROACTIVE COMMAND: | [connect to the default URL, "launch browser, |
| | 0.00 / | LAUNCH BROWSER 5.10.2 | if not already launched", no null alpha id] |
| 13 | $ME \to USER$ | ME displays the alpha identifier | [alpha identifier is displayed with ME"s default |
| | | | foreground and background colour] |
| 14 | $USER \to ME$ | The user may have to confirm the | [option: user confirmation] |
| | | launch browser. | |
| 15 | $ME \rightarrow UICC$ | | [Command performed successfully] |
| 4.0 | | BROWSER 5.10.1 | |
| 16 | $ME \to USS$ | The ME attempts to launch the | |
| | | session with the default Wap | |
| 17 | $UICC \to ME$ | parameters and the default URL. PROACTIVE UICC SESSION | |
| '' | | ENDED | |
| 18 | $USER \to ME$ | The user verifies that the default | |
| | JOER / WIL | Wap session is properly | |
| | | established. | |
| | | Then he/she ends the navigation. | |
| | | The ME returns in idle mode. | |

PROACTIVE COMMAND: LAUNCH BROWSER 5.10.1

Logically:

Command details

Command number:

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

 $\begin{array}{ccc} Source \ device: & UICC \\ Destination \ device: & ME \\ URL & empty \\ Alpha \ Identifier & "Default \ URL \ 1" \end{array}$

Text Attribute

Formatting position: 0 Formatting length: 13

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 20 | 81 | 03 | 01 | 15 | 00 | 82 | 02 | 81 | 82 | 31 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | 05 | 0D | 44 | 65 | 66 | 61 | 75 | 6C | 74 | 20 | 55 |
| | 52 | 4C | 20 | 31 | D0 | 04 | 00 | 0D | 00 | B4 | | |

PROACTIVE COMMAND: LAUNCH BROWSER 5.10.2

Logically:

Command details

Command number:

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: UICC
Destination device: ME
URL empty

Alpha Identifier "Default URL 2"

Coding:

| BER-TLV: | D0 | 1A | 81 | 03 | 01 | 15 | 00 | 82 | 02 | 81 | 82 | 31 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| · | 00 | 05 | 0D | 44 | 65 | 66 | 61 | 75 | 6C | 74 | 20 | 55 |
| | 52 | 4C | 20 | 32 | | | | | | | | |

TERMINAL RESPONSE: LAUNCH BROWSER 5.10.1

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 15 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

27.22.4.26.5.10.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 5.10.

27.22.4.26.6 LAUNCH BROWSER (UCS2 Display in Chinese)

27.22.4.26.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.26.6.2 Conformance requirements

The ME shall support the LAUNCH BROWSER Proactive UICC Command as defined in:

- TS 31.111 [15] clause 5.2, clauses 6.4.26 and 6.6.26, clause 8.6, clause 8.7, clause 8.48, clause 9.2, clause 8.2, clause 8.47, optional clause 8.49, optional clause 8.50, clause 8.15 and clause 8.31.

Additionally the ME shall support the UCS2 facility for the coding of the Chinese characters, as defined in:

- ISO/IEC 10646 [17].

27.22.4.26.6.3 Test purpose

To verify that the ME performs a proper user confirmation with an USC2 alpha identifier, launches the Wap session required in LAUNCH BROWSER and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.26.6.4 Method of test

27.22.4.26.6.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

A valid access to 2 different Wap gateways is required:

- the default Wap parameters (IP address, gateway/proxy identity, called number, URL ...) of the tested mobile shall be properly filled to access one of the gateways ("default gateway").

With that default gateway we shall be able to access to an URL different from the default one.

- another gateway with an IP address different from the one defined in default Wap parameters.

The mobile is busy in a Wap session, the user navigates in pages different from the URL defined by default in Wap parameters.

The Bearer Parameters defined in 27.22.4.26.1.4.1 shall be used.

27.22.4.26.6.4.2 Procedure

Expected Sequence 6.1 (LAUNCH BROWSER, use the existing browser, connect to the default URL, UCS2 in Chinese)

| Step | Direction | MESSAGE / Action | Comments |
|------|---------------|---|---|
| 0 | ME | The user is navigating in a Wap | [Browser is in use, the current session is not |
| 1 | $UICC \to ME$ | session (not default URL). PROACTIVE COMMAND PENDING: LAUNCH BROWSER 6.1.1 | secured]] |
| 2 | $ME \to UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: LAUNCH BROWSER 6.1.1 | [connect to the default URL, "use the existing browser", alpha id. In UCS2] |
| 4 | $ME \to USER$ | ME displays the alpha identifier "你好" | ["Hello" in Chinese] |
| 5 | $USER \to ME$ | The user confirms the launch browser. | [user confirmation] |
| 6 | $ME \to UICC$ | TERMINAL RESPONSE: LAUNCH BROWSER 6.1.1 | [Command performed successfully] |
| 7 | ME→USS | The ME does not close the existing session and attempts to connect the default URL. | |
| 8 | $UICC \to ME$ | PROACTIVE UICC SESSION ENDED | |
| 9 | USER → ME | The user verifies that the default URL is connected; and the previous URL can be retrieved. Then he/she ends the navigation with the default URL. | |

PROACTIVE COMMAND: LAUNCH BROWSER 6.1.1

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER
Command qualifier: use the existing browser

Device identities

Source device: UICC
Destination device: ME
URL empty

Alpha Identifier

Data coding scheme: UCS2 (16 bits)

Text: "你好"

Coding:

| BER-TLV: | D0 | 12 | 81 | 03 | 01 | 15 | 02 | 82 | 02 | 81 | 82 | 31 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| _ | 00 | 05 | 05 | 80 | 4F | 60 | 59 | 7D | | | | |

TERMINAL RESPONSE: LAUNCH BROWSER 6.1.1

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER
Command qualifier: use the existing browser

Device identities

Source device: ME

Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 15 | 02 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

27.22.4.26.6.5 Test requirement

The ME shall operate in the manner defined in expected sequence 7.1.

27.22.4.26.7 LAUNCH BROWSER (UCS2 Display in Katakana)

27.22.4.26.7.1 Definition and applicability

See clause 3.2.2.

27.22.4.26.7.2 Conformance requirements

The ME shall support the LAUNCH BROWSER Proactive UICC Command as defined in:

- TS 31.111 [15] clause 5.2, clauses 6.4.26 and 6.6.26, clause 8.6, clause 8.7, clause 8.48, clause 9.2, clause 8.2, clause 8.47, optional clause 8.49, optional clause 8.50, clause 8.15 and clause 8.31.

Additionally the ME shall support the UCS2 facility for the coding of the Katakana characters, as defined in:

- ISO/IEC 10646 [17].

27.22.4.26.7.3 Test purpose

To verify that the ME performs a proper user confirmation with an USC2 alpha identifier, launches the Wap session required in LAUNCH BROWSER and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.26.7.4 Method of test

27.22.4.26.7.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

A valid access to 2 different Wap gateways is required:

- the default Wap parameters (IP address, gateway/proxy identity, called number, URL ...) of the tested mobile shall be properly filled to access one of the gateways ("default gateway").

With that default gateway we shall be able to access to an URL different from the default one.

- another gateway with an IP address different from the one defined in default Wap parameters.

The mobile is busy in a Wap session, the user navigates in pages different from the URL defined by default in Wap parameters.

The Bearer Parameters defined in 27.22.4.26.1.4.1 shall be used.

27.22.4.26.7.4.2 Procedure

Expected Sequence 7.1 (LAUNCH BROWSER, use the existing browser, connect to the default URL, UCS2 in Katakana)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|---|
| 0 | ME | The user is navigating in a Wap | [Browser is in use, the current session is not |
| 1 | $UICC \to ME$ | session (not default URL). PROACTIVE COMMAND PENDING: LAUNCH BROWSER 7.1.1 | secured]] |
| 2 | ME → UICC | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: LAUNCH BROWSER 7.1.1 | [connect to the default URL, "use the existing browser", alpha id. In UCS2] |
| 4 | $ME \rightarrow USER$ | ME displays the alpha identifier "ル" | [Character in Katakana] |
| 5 | $USER \to ME$ | The user confirms the launch browser. | [user confirmation] |
| 6 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: LAUNCH BROWSER 7.1.1 | [Command performed successfully] |
| 7 | ME→USS | The ME does not close the existing session and attempts to connect the default URL. | |
| 8 | $UICC \to ME$ | PROACTIVE UICC SESSION ENDED | |
| 9 | USER → ME | The user verifies that the default URL is connected; and the previous URL can be retrieved. Then he/she ends the navigation with the default URL. | |

PROACTIVE COMMAND: LAUNCH BROWSER 7.1.1

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER
Command qualifier: use the existing browser

Device identities

Source device: UICC
Destination device: ME
URL empty

Alpha Identifier

Data coding scheme: UCS2 (16 bits)

Text: "ル"

Coding:

| BER-TLV: | D0 | 10 | 81 | 03 | 01 | 15 | 02 | 82 | 02 | 81 | 82 | 31 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | 05 | 03 | 80 | 30 | EB | | | | | | |

TERMINAL RESPONSE: LAUNCH BROWSER 7.1.1

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER
Command qualifier: use the existing browser

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 15 | 02 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | | | | | | | | | | | | |

27.22.4.26.7.5 Test requirement

The ME shall operate in the manner defined in expected sequence 7.1.

27.22.4.27 OPEN CHANNEL

27.22.4.27.1 Void

27.22.4.27.2 Open Channel (related to GPRS)

27.22.4.27.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.27.2.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111[15] clause 5.2, clauses 6.4.27 and 6.6.27, clause 8.6, clause 8.7, clause 9.2, clause 8.2, clause 8.15, clause 8.31 and clause 8.70.

27.22.4.27.2.3 Test purpose

To verify that the ME shall send a:

- TERMINAL RESPONSE (OK); or
- TERMINAL RESPONSE (Command performed with modification); or
- TERMINAL RESPONSE (User did not accept the proactive command);
- TERMINAL RESPONSE (ME currently unable to process command);

to the UICC after the ME receives the OPEN CHANNEL proactive command. The TERMINAL RESPONSE sent back to the UICC is the result of the ME and the network capabilities against requested parameters by the UICC.

27.22.4.27.2.4 Method of test

27.22.4.27.2.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS. The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The following Bearer Parameters used are those defined in the default Test PDP context for test cases using packet services:

The Channel identifier value used for these tests is set to 1 as an example.

This channel identifier is dependent on the ME"s default channel identifier as declared in table A.2/27.

The following Bearer Parameters used are those defined in the default Test PDP ContextDch, as specified in TS 34.123-3 [27], clause 8.10 for test cases using packet services:

Bearer Parameters

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

GPRS Parameters

Network access name: TestGp.rs User login: UserLog User password: UserPwd

UICC/ME interface transport level

Transport format: UDP or TCP mode

Port number: 44444

Data destination address 01.01.01.01 (as an example)

Note: If a data destination address different to 01.01.01.01 is used then the same value is

used in the content of the affected Open Channel commands and the network simulator setup and related UE settings might require a corresponding adaptation.

Prior to test case execution the apparatus supplier shall have provided the "Preferred buffer size supported by the terminal for Open Channel command" as requested in table A.2/29.

Pre-condition for successful execution of expected sequence 2.1:

If the terminal does not support the execution of an Open Channel (GPRS) command when no Network Access Name TLV is present in the proactive command and when no default Access Point Name is set in the terminal configuration (s.a. table A.1/48), then "TestGp.rs" shall be set and activated as default Access Point Name in the terminal configuration prior to execution of the proactive command in expected sequence 2.1.

27.22.4.27.2.4.2 Procedure

Expected Sequence 2.1 (OPEN CHANNEL, immediate link establishment, GPRS, no local address, no alpha identifier, no network access name)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|----------------------------------|
| 1 | $USER \rightarrow ME$ | Set and activate APN "TestGp.rs" in the | [see initial conditions] |
| | | terminal configuration if required | |
| 2 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: | |
| | | OPEN CHANNEL 2.1.1 | |
| 3 | $ME \rightarrow UICC$ | FETCH | |
| 4 | $UICC \to ME$ | PROACTIVE COMMAND : OPEN | |
| | | CHANNEL 2.1.1 | |
| 5 | $ME \rightarrow user$ | The ME may display channel opening | |
| | | information | |
| 6 | $ME \rightarrow USS$ | PDP context activation request | |
| 7 | $USS \to ME$ | PDP context activation accept | |
| 8 | $ME \rightarrow UICC$ | TERMINAL RESPONSE : OPEN | [Command performed successfully] |
| | | CHANNEL 2.1.1A | |
| | | or | |
| | | TERMINAL RESPONSE: OPEN | |
| | | CHANNEL 2.1.1B | |

PROACTIVE COMMAND: OPEN CHANNEL 2.1.1

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC Destination device: ME

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400
Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level

Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

Coding:

| BER-TLV: | D0 | 36 | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 81 | 82 | 35 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 07 | 02 | 03 | 04 | 03 | 04 | 1F | 02 | 39 | 02 | 05 | 78 |
| | 0D | 08 | F4 | 55 | 73 | 65 | 72 | 4C | 6F | 67 | 0D | 08 |
| | F4 | 55 | 73 | 65 | 72 | 50 | 77 | 64 | 3C | 03 | 01 | AD |
| | 9C | 3E | 05 | 21 | 01 | 01 | 01 | 01 | | | | |

TERMINAL RESPONSE: OPEN CHANNEL 2.1.1A

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400

Coding:

| BER-TLV: | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| _ | 38 | 02 | 81 | 00 | 35 | 07 | 02 | 03 | 04 | 03 | 04 | 1F |
| | 02 | 39 | 02 | 05 | 78 | | | | | | | |

TERMINAL RESPONSE: OPEN CHANNEL 2.1.1B

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 00
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400

Coding:

| BER-TLV: | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 38 | 02 | 81 | 00 | 35 | 07 | 02 | 00 | 04 | 03 | 04 | 1F |
| | 02 | 39 | 02 | 05 | 78 | | | | | | | |

Expected Sequence 2.2 (OPEN CHANNEL, immediate link establishment GPRS, no alpha identifier, with network access name)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--|----------------------------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: OPEN | |
| | | CHANNEL 2.2.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: OPEN CHANNEL 2.2.1 | |
| 4 | $ME \rightarrow user$ | The ME may display channel opening information | |
| 5 | $ME \rightarrow USS$ | PDP context activation request | |
| 6 | $USS \to ME$ | PDP context activation accept | |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: OPEN CHANNEL 2.2.1A | [Command performed successfully] |
| | | or | |
| | | TERMINAL RESPONSE: OPEN CHANNEL 2.2.1B | |

PROACTIVE COMMAND: OPEN CHANNEL 2.2.1

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC Destination device: ME

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400 Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level

Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

Coding:

| BER-TLV: | D0 | 42 | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 81 | 82 | 35 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 07 | 02 | 03 | 04 | 03 | 04 | 1F | 02 | 39 | 02 | 05 | 78 |
| | 47 | 0A | 06 | 54 | 65 | 73 | 74 | 47 | 70 | 02 | 72 | 73 |
| | 0D | 80 | F4 | 55 | 73 | 65 | 72 | 4C | 6F | 67 | 0D | 80 |
| | F4 | 55 | 73 | 65 | 72 | 50 | 77 | 64 | 3C | 03 | 01 | AD |
| | 9C | 3E | 05 | 21 | 01 | 01 | 01 | 01 | | | | |

TERMINAL RESPONSE: OPEN CHANNEL 2.2.1A

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Bearer Description:

Bearer Type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size 1400

| BER-TLV: | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 38 | 02 | 81 | 00 | 35 | 07 | 02 | 03 | 04 | 03 | 04 | 1F |
| | 02 | 39 | 02 | 05 | 78 | | | | | | | |

TERMINAL RESPONSE: OPEN CHANNEL 2.2.1B

Logically:

Command details

Command number:

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Bearer Description:

Bearer Type: GPRS

Bearer parameter:

Precedence Class: 00
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size 1400

Coding:

| BER-TLV: | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| · | 38 | 02 | 81 | 00 | 35 | 07 | 02 | 00 | 04 | 03 | 04 | 1F |
| | 02 | 39 | 02 | 05 | 78 | | | | | | | |

Expected Sequence 2.3 (OPEN CHANNEL, immediate link establishment, GPRS, with alpha identifier)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--|----------------------------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: OPEN | |
| | | CHANNEL 2.3.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: OPEN CHANNEL 2.3.1 | |
| 4 | $ME \rightarrow user$ | Confirmation phase with alpha ID | 'Open ID' |
| 5 | $user \to ME$ | The user confirms | |
| 6 | $ME \rightarrow USS$ | PDP context activation request | |
| 7 | $USS \to ME$ | PDP context activation accept | |
| 8 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: OPEN CHANNEL 2.1.1A | [Command performed successfully] |
| | | or | |
| | | TERMINAL RESPONSE: OPEN CHANNEL 2.1.1B | |

PROACTIVE COMMAND: OPEN CHANNEL 2.3.1

Logically:

Command details

Command number:

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC
Destination device: ME
Alpha Identifier Open ID

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400 Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level
Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

Coding:

| BER-TLV: | D0 | 4B | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 81 | 82 | 05 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 07 | 4F | 70 | 65 | 6E | 20 | 49 | 44 | 35 | 07 | 02 | 03 |
| | 04 | 03 | 04 | 1F | 02 | 39 | 02 | 05 | 78 | 47 | 0A | 06 |
| | 54 | 65 | 73 | 74 | 47 | 70 | 02 | 72 | 73 | 0D | 08 | F4 |
| | 55 | 73 | 65 | 72 | 4C | 6F | 67 | 0D | 08 | F4 | 55 | 73 |
| | 65 | 72 | 50 | 77 | 64 | 3C | 03 | 01 | AD | 9C | 3E | 05 |
| | 21 | 01 | 01 | 01 | 01 | | | | | | | |

Expected Sequence 2.4 (OPEN CHANNEL, immediate link establishment, GPRS, with null alpha identifier)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------------|--------------------------------|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: OPEN CHANNEL | |
| | | 2.4.1 | |
| 2 | $ME \to UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: | |
| | | OPEN CHANNEL 2.4.1 | |
| 4 | $\text{ME} \to \text{user}$ | Confirmation phase | [The ME should not give any information] |
| 5 | $user \to ME$ | The user confirms | [Only if the ME asks for user confirmation] |
| 6 | $ME \to USS$ | PDP context activation request | |
| 7 | $USS \to ME$ | PDP context activation accept | |
| 8 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: | [Command performed successfully] |
| | | OPEN CHANNEL 2.1.1A | |
| | | or | |
| | | TERMINAL RESPONSE: | |
| | | OPEN CHANNEL 2.1.1B | |

PROACTIVE COMMAND: OPEN CHANNEL 2.4.1

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Alpha Identifier Null

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400
Network access name: TestGp.rs
Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level
Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

Coding:

| BER-TLV: | D0 | 44 | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 81 | 82 | 05 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | 35 | 07 | 02 | 03 | 04 | 03 | 04 | 1F | 02 | 39 | 02 |
| | 05 | 78 | 47 | 0A | 06 | 54 | 65 | 73 | 74 | 47 | 70 | 02 |
| | 72 | 73 | 0D | 08 | F4 | 55 | 73 | 65 | 72 | 4C | 6F | 67 |
| | 0D | 08 | F4 | 55 | 73 | 65 | 72 | 50 | 77 | 64 | 3C | 03 |
| | | 01 | AD | 9C | 3E | 05 | 21 | 01 | 01 | 01 | 01 | |

Expected Sequence 2.5 (OPEN CHANNEL, immediate link establishment, GPRS, command performed with modifications (buffer size))

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--------------------------------|---------------------------------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: OPEN CHANNEL | |
| | | 2.5.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: | |
| | | OPEN CHANNEL 2.5.1 | |
| 4 | $ME \rightarrow user$ | The ME may display channel | |
| | | opening information | |
| 5 | $ME \to USS$ | PDP context activation request | |
| 6 | $USS \to ME$ | PDP context activation accept | |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: OPEN | [Command performed with modification] |
| | | CHANNEL 2.5.1A | |
| | | or | |
| | | TERMINAL RESPONSE: OPEN | |
| | | CHANNEL 2.5.1B | |

PROACTIVE COMMAND: OPEN CHANNEL 2.5.1

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 65535 Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level

Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

Coding:

| BER-TLV: | D0 | 42 | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 81 | 82 | 35 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| · | 07 | 02 | 03 | 04 | 03 | 04 | 1F | 02 | 39 | 02 | FF | FF |
| | 47 | 0A | 06 | 54 | 65 | 73 | 74 | 47 | 70 | 02 | 72 | 73 |
| | 0D | 08 | F4 | 55 | 73 | 65 | 72 | 4C | 6F | 67 | 0D | 80 |
| | F4 | 55 | 73 | 65 | 72 | 50 | 77 | 64 | 3C | 03 | 01 | AD |
| | 9C | 3E | 05 | 21 | 01 | 01 | 01 | 01 | | | | |

TERMINAL RESPONSE: OPEN CHANNEL 2.5.1A

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed with modifications (07)

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: The buffer size TLV shall be attached and contain the value stated in table A.2/29

"Preferred buffer size supported by the terminal for Open Channel command".

| BER-TLV: | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 07 |
|----------|----|--------|----|----|----|----|----|----|----|----|----|----|
| | 38 | 02 | 81 | 00 | 35 | 07 | 02 | 03 | 04 | 03 | 04 | 1F |
| | 02 | Note 1 | | | | | | | | | | |

Note1: The buffer size TLV shall be attached and contain the value stated in table A.2/29 "Preferred buffer size supported by the terminal for Open Channel command".

TERMINAL RESPONSE: OPEN CHANNEL 2.5.1B

Logically:

Command details

Command number:

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed with modifications (07)

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 00
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: The buffer size TLV shall be attached and contain the value stated in table A.2/29

"Preferred buffer size supported by the terminal for Open Channel command".

Coding:

| BER-TLV: | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 07 |
|----------|----|--------|----|----|----|----|----|----|----|----|----|----|
| | 38 | 02 | 81 | 00 | 35 | 07 | 02 | 00 | 04 | 03 | 04 | 1F |
| | 02 | Note 1 | | | | | | | | | | |

Note1: The buffer size TLV shall be attached and contain the value stated in table A.2/29 "Preferred buffer size supported by the terminal for Open Channel command".

Expected Sequence 2.6 Void

Expected Sequence 2.7A (OPEN CHANNEL, immediate link establishment, GPRS, open command with alpha identifier, User did not accept the proactive command)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: OPEN CHANNEL | |
| | | 2.7.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: OPEN CHANNEL 2.7.1 | |
| 4 | $ME \rightarrow user$ | Confirmation phase with alpha ID | [The ME shall display 'Open ID'] |
| 5 | $user \rightarrow ME$ | The user rejects | |
| 6 | $ME \rightarrow USS$ | No PDP context activation | |
| | | request is sent to the USS | |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: OPEN CHANNEL 2.7.1A | [User did not accept the proactive command] |
| | | or | |
| | | TERMINAL RESPONSE: OPEN | |
| | | CHANNEL 2.7.1B | |

Expected Sequence 2.7B (OPEN CHANNEL, immediate link establishment, GPRS, open command with alpha identifier, User did not accept the proactive command)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|----------------------------------|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: OPEN CHANNEL | |
| | | 2.7.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: | |
| | | OPEN CHANNEL 2.7.1 | |
| 4 | $ME \rightarrow USS$ | PDP context activation request | |
| 5 | $USS \to ME$ | PDP context activation accept | |
| 6 | $ME \rightarrow user$ | Confirmation phase with alpha ID | [The ME shall display 'Open ID'] |
| 7 | user \rightarrow ME | The user rejects | |
| 8 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: OPEN | [User did not accept the proactive command] |
| | | CHANNEL 2.7.1A | |
| | | or | |
| | | TERMINAL RESPONSE: OPEN | |
| | | CHANNEL 2.7.1B | |

PROACTIVE COMMAND: OPEN CHANNEL 2.7.1

Logically:

Command details

Command number:

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC Destination device: ME

Alpha Identifier "Open ID"

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400

Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level

Transport format: UDP Port number: 44444

Data destination address 01.01.01.01

| BER-TLV: | D0 | 4B | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 81 | 82 | 05 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 07 | 4F | 70 | 65 | 6E | 20 | 49 | 44 | 35 | 07 | 02 | 03 |
| | 04 | 03 | 04 | 1F | 02 | 39 | 02 | 05 | 78 | 47 | 0A | 06 |
| | 54 | 65 | 73 | 74 | 47 | 70 | 02 | 72 | 73 | 0D | 08 | F4 |
| | 55 | 73 | 65 | 72 | 4C | 6F | 67 | 0D | 80 | F4 | 55 | 73 |
| | 65 | 72 | 50 | 77 | 64 | 3C | 03 | 01 | AD | 9C | 3E | 05 |
| | 21 | 01 | 01 | 01 | 01 | | | | | | | |

TERMINAL RESPONSE: OPEN CHANNEL 2.7.1A

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: User did not accept the proactive command

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: Because the value depends in this case on the terminal's implementation, it shall be

ignored.

Coding:

| BER-TLV: | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 22 |
|----------|----|----|----|----|----|----|----|----|----|--------|----|----|
| | 35 | 07 | 02 | 03 | 04 | 03 | 04 | 1F | 02 | Note 1 | | |

Note1: The buffer size TLV shall be present and because the value depends in this case on the terminal's

implementation, the value shall be ignored.

TERMINAL RESPONSE: OPEN CHANNEL 2.7.1B

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: User did not accept the proactive command

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 00
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: Because the value depends in this case on the terminal's implementation, it shall be

ignored.

| BER-TLV: | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 22 |
|----------|----|----|----|----|----|----|----|----|----|--------|----|----|
| | 35 | 07 | 02 | 00 | 04 | 03 | 04 | 1F | 02 | Note 1 | | |

Note1: The buffer size TLV shall be present and because the value depends in this case on the terminal's implementation, the value shall be ignored.

Expected Sequence 2.8 Void

Expected Sequence 2.9 (OPEN CHANNEL, immediate link establishment, no alpha identifier, with network access name)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--|----------------------------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: OPEN | |
| | | CHANNEL 2.9.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: OPEN CHANNEL 2.9.1 | |
| 4 | $ME \rightarrow user$ | The ME may display channel opening information | |
| 5 | $ME \rightarrow USS$ | PDP context activation request | |
| 6 | $USS \to ME$ | PDP context activation accept | |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: OPEN CHANNEL 2.9.1A | [Command performed successfully] |
| | | or | |
| | | TERMINAL RESPONSE: OPEN CHANNEL 2.9.1B | |

PROACTIVE COMMAND: OPEN CHANNEL 2.9.1

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC Destination device: ME

Bearer

Bearer type: GPRS / UTRAN packet service / E-UTRAN

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400 Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level

Transport format: TCP
Port number: 44444
Data destination address 01.01.01.01

| BER-TLV: | D0 | 42 | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 81 | 82 | 35 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 07 | 02 | 03 | 04 | 03 | 04 | 1F | 02 | 39 | 02 | 05 | 78 |
| | 47 | 0A | 06 | 54 | 65 | 73 | 74 | 47 | 70 | 02 | 72 | 73 |
| | 0D | 08 | F4 | 55 | 73 | 65 | 72 | 4C | 6F | 67 | 0D | 08 |
| | F4 | 55 | 73 | 65 | 72 | 50 | 77 | 64 | 3C | 03 | 02 | AD |
| | 9C | 3E | 05 | 21 | 01 | 01 | 01 | 01 | | | | |

TERMINAL RESPONSE: OPEN CHANNEL 2.9.1A

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer Description:

Bearer Type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size 1400

Coding:

| BER-TLV: | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| · | 38 | 02 | 81 | 00 | 35 | 07 | 02 | 03 | 04 | 03 | 04 | 1F |
| | 02 | 39 | 02 | 05 | 78 | | | | | | | |

TERMINAL RESPONSE: OPEN CHANNEL 2.9.1B

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer Description:

Bearer Type: GPRS

Bearer parameter:

Precedence Class: 00
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31

Packet data protocol: 02 (IP)

Buffer

Buffer size 1400

Coding:

| BER-TLV: | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 38 | 02 | 81 | 00 | 35 | 07 | 02 | 00 | 04 | 03 | 04 | 1F |
| | 02 | 39 | 02 | 05 | 78 | | | | | | | |

Expected Sequence 2.10 (OPEN CHANNEL, multi Open Channel, one in TCP Server mode and one in TCP Client mode)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--|----------------------------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: OPEN | TCP server mode |
| | | CHANNEL 2.10.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: OPEN CHANNEL 2.10.1 | |
| 4 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: OPEN CHANNEL 2.10.1 | [Command performed successfully] |
| | | | TCP in LISTEN state |
| 5 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: OPEN | TCP Client mode |
| | | CHANNEL 2.10.2 | |
| 6 | $ME \rightarrow UICC$ | FETCH | |
| 7 | $UICC \to ME$ | PROACTIVE COMMAND: OPEN CHANNEL 2.10.2 | |
| 8 | $ME \rightarrow user$ | The ME may display channel opening information | |
| 9 | $ME \rightarrow USS$ | PDP context activation request | |
| 10 | $USS \to ME$ | PDP context activation accept | |
| 11 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: OPEN CHANNEL | [Command performed successfully] |
| | | 2.10.2A | |
| | | or | |
| | | TERMINAL RESPONSE: OPEN CHANNEL | |
| | | 2.10.2B | |

PROACTIVE COMMAND: OPEN CHANNEL 2.10.1

Logically:

Command details

Command number:

Command type: OPEN CHANNEL

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: ME

Alpha Identifier Null

Buffer

Buffer size: 1400

UICC/terminal interface transport level

Transport format: TCP, UICC in server mode

Port number: 3516

Coding:

| BER-TLV: | D0 | 14 | 81 | 03 | 01 | 40 | 00 | 82 | 02 | 81 | 82 | 05 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | 39 | 02 | 05 | 78 | 3C | 03 | 03 | 0D | BC | | |

TERMINAL RESPONSE: OPEN CHANNEL 2.10.1

Logically:

Command details

Command number:

Command type: OPEN CHANNEL

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and TCP in LISTEN state

Buffer

Buffer size: 1400

Coding:

| BER-TLV: | 81 | 03 | 01 | 40 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 38 | 02 | 41 | 00 | 39 | 02 | 05 | 78 | | | | |

PROACTIVE COMMAND: OPEN CHANNEL 2.10.2

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC Destination device: ME

Bearer

Bearer type: GPRS / UTRAN packet service / E-UTRAN

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400 Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level

Transport format: TCP
Port number: 44444
Data destination address 01.01.01.01

| BER-TLV: | D0 | 42 | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 81 | 82 | 35 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 07 | 02 | 03 | 04 | 03 | 04 | 1F | 02 | 39 | 02 | 05 | 78 |
| | 47 | 0A | 06 | 54 | 65 | 73 | 74 | 47 | 70 | 02 | 72 | 73 |
| | 0D | 08 | F4 | 55 | 73 | 65 | 72 | 4C | 6F | 67 | 0D | 08 |
| | F4 | 55 | 73 | 65 | 72 | 50 | 77 | 64 | 3C | 03 | 02 | AD |
| | 9C | 3E | 05 | 21 | 01 | 01 | 01 | 01 | | | | |

TERMINAL RESPONSE: OPEN CHANNEL 2.10.2A

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME Destination device: **UICC**

Result

General Result: Command performed successfully

Channel status Channel identifier 2 and link established or PDP context activated

Bearer Description:

GPRS Bearer Type:

Bearer parameter:

Precedence Class: 03 Delay Class: 04 03 Reliability Class: Peak throughput class: 04 Mean throughput class: 31

Packet data protocol:

02 (IP)

Buffer

Buffer size 1400

Coding:

| BER-TLV: | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| _ | 38 | 02 | 82 | 00 | 35 | 07 | 02 | 03 | 04 | 03 | 04 | 1F |
| | 02 | 39 | 02 | 05 | 78 | | | | | | | |

TERMINAL RESPONSE: OPEN CHANNEL 2.10.2B

Logically:

Command details

Command number:

OPEN CHANNEL Command type:

Command qualifier: immediate link establishment

Device identities

Source device: ME Destination device: **UICC**

Result

General Result: Command performed successfully

Channel status Channel identifier 2 and link established or PDP context activated

Bearer Description:

Bearer Type: **GPRS**

Bearer parameter:

Precedence Class: 00 Delay Class: 04 Reliability Class: 03 Peak throughput class: Mean throughput class: 31

Packet data protocol: 02 (IP)

Buffer

Buffer size 1400

Coding:

| BER-TLV: | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 38 | 02 | 82 | 00 | 35 | 07 | 02 | 00 | 04 | 03 | 04 | 1F |
| | 02 | 39 | 02 | 05 | 78 | | | | | | | |

27.22.4.27.2.5 Test requirement

The ME shall operate in the manner defined in expected sequences 2.1 to 2.10.

27.22.4.27.3 Open Channel (default bearer)

TBD

27.22.4.27.4 Open Channel (Local Bearer)

TBD

27.22.4.27.5 Open Channel (GPRS, support of Text Attribute)

27.22.4.27.5.1 Open Channel (GPRS, support of Text Attribute – Left Alignment)

27.22.4.27.5.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.27.5.1.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.27.5.1.3 Test purpose

To verify that the ME displays an alpha identifier according to the left alignment text attribute configuration in OPEN CHANNEL and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.27.5.1.4 Method of test

27.22.4.27.5.1.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The channel identifier value used for these tests is set to 1 as an example.

This channel identifier is dependent on the ME"s default channel identifier as declared in table A.2/27.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

722

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

27.22.4.27.5.1.4.2 Procedure

Expected Sequence 5.1 (OPEN CHANNEL, immediate link establishment, GPRS, Text Attribute – Left Alignment)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---------------------------------------|---|
| 1 | | PROACTIVE COMMAND PENDING : OPEN | |
| | | CHANNEL 5.1.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | | PROACTIVE COMMAND : OPEN CHANNEL | |
| | 0.00 / | 5.1.1 | |
| 4 | ME → USER | Confirmation phase with alpha ID | [alpha identifier is displayed with left alignment] |
| 5 | | The user confirms | |
| 6 | | PDP context activation request | |
| 7 | | PDP context activation accept | |
| 8 | | TERMINAL RESPONSE : OPEN CHANNEL | [Command performed successfully] |
| | WL 70100 | 5.1.1A | [Command ponomica saccessiany] |
| | | or | |
| | | TERMINAL RESPONSE: OPEN CHANNEL | |
| | | 5.1.1B | |
| 9 | UICC → ME | PROACTIVE COMMAND PENDING: CLOSE | |
| | | CHANNEL 5.1.1 | |
| 10 | $ME \rightarrow UICC$ | FETCH | |
| 11 | | PROACTIVE COMMAND: CLOSE CHANNEL | |
| | | 5.1.1 | |
| 12 | $ME \to USS$ | PDP context deactivation request | |
| 13 | $USS \to ME$ | PDP context deactivation accept | |
| 14 | $ME \rightarrow UICC$ | TERMINAL RESPONSE : CLOSE CHANNEL | [Command performed successfully] |
| | | 5.1.1 | |
| 15 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: OPEN | |
| | | CHANNEL 5.1.2 | |
| 16 | $ME \rightarrow UICC$ | | |
| 17 | $UICC \to ME$ | PROACTIVE COMMAND : OPEN CHANNEL | |
| | | 5.1.2 | |
| 18 | $ME \rightarrow USER$ | Confirmation phase with alpha ID | [Message shall be formatted without left alignment. |
| | | | Remark: If left alignment is the ME"s default |
| | | | alignment as declared in table A.2/19, no alignment |
| 10 | LICED ME | The user confirms | change will take place] |
| 19 | | The user confirms | |
| 20 | | PDP context activation request | |
| 21 | | PDP context activation accept | [Command parformed augressfulls] |
| 22 | $ME \rightarrow UICC$ | TERMINAL RESPONSE : OPEN CHANNEL | [Command performed successfully] |
| | | 5.1.1A | |
| | | or TERMINAL RESPONSE: OPEN CHANNEL | |
| | | 15.1.1B | |
| 23 | LUCC - ME | PROACTIVE COMMAND PENDING: CLOSE | |
| | OIOO - IVIE | CHANNEL 5.1.1 | |
| 24 | $ME \rightarrow UICC$ | FETCH | |
| 25 | UICC → ME | PROACTIVE COMMAND: CLOSE CHANNEL | |
| -0 | JIOO / IVIL | 5.1.1 | |
| 26 | $ME \rightarrow USS$ | PDP context deactivation request | |
| 27 | USS → ME | PDP context deactivation accept | |
| 28 | ME → UICC | TERMINAL RESPONSE : CLOSE CHANNEL | [Command performed successfully] |
| | 7 0.00 | 5.1.1 | [3.14 |
| | I | | I . |

PROACTIVE COMMAND: OPEN CHANNEL 5.1.1

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC Destination device: ME

Alpha Identifier "Open ID 1"

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400 Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level
Transport format: UDP
Port number: 44444

Data destination address 01.01.01.01

Text Attribute

Formatting position: 0 Formatting length: 9

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TI | _V: | D0 | 53 | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 81 | 82 | 05 |
|--------|-----|----|----|----|----|----|----|----|----|----|----|----|----|
| | | 09 | 4F | 70 | 65 | 6E | 20 | 49 | 44 | 20 | 31 | 35 | 07 |
| | | 02 | 03 | 04 | 03 | 04 | 1F | 02 | 39 | 02 | 05 | 78 | 47 |
| | | 0A | 06 | 54 | 65 | 73 | 74 | 47 | 70 | 02 | 72 | 73 | 0D |
| | | 08 | F4 | 55 | 73 | 65 | 72 | 4C | 6F | 67 | 0D | 08 | F4 |
| | | 55 | 73 | 65 | 72 | 50 | 77 | 64 | 3C | 03 | 01 | AD | 9C |
| | | 3E | 05 | 21 | 01 | 01 | 01 | 01 | D0 | 04 | 00 | 09 | 00 |
| | | B4 | | | | | | | | | | | |

PROACTIVE COMMAND: OPEN CHANNEL 5.1.2

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC
Destination device: ME

Alpha Identifier "Open ID 2"

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03 Delay Class: 04 Reliability Class: 03 Peak throughput class: 04 Mean throughput class: 31 Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400 Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level
Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

Coding:

| BER-TLV: | D0 | 4D | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 81 | 82 | 05 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 09 | 4F | 70 | 65 | 6E | 20 | 49 | 44 | 20 | 32 | 35 | 07 |
| | 02 | 03 | 04 | 03 | 04 | 1F | 02 | 39 | 02 | 05 | 78 | 47 |
| | 0A | 06 | 54 | 65 | 73 | 74 | 47 | 70 | 02 | 72 | 73 | 0D |
| | 08 | F4 | 55 | 73 | 65 | 72 | 4C | 6F | 67 | 0D | 08 | F4 |
| | 55 | 73 | 65 | 72 | 50 | 77 | 64 | 3C | 03 | 01 | AD | 9C |
| | 3E | 05 | 21 | 01 | 01 | 01 | 01 | | | | | |

PROACTIVE COMMAND: CLOSE CHANNEL 5.1.1

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: UICC Destination device: Channel

Alpha Identifier "Close ID"

Coding:

| BER-TLV: | D0 | 14 | 81 | 03 | 01 | 41 | 00 | 82 | 02 | 81 | 21 |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| · | 85 | 08 | 43 | 6C | 6F | 73 | 65 | 20 | 49 | 44 | |

TERMINAL RESPONSE: OPEN CHANNEL 5.1.1A

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03 Delay Class: 04 Reliability Class: 03 Peak throughput class: 04 Mean throughput class: 31 Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400

Coding:

| BER-TLV: | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 38 | 02 | 81 | 00 | 35 | 07 | 02 | 03 | 04 | 03 | 04 | 1F |
| | 02 | 39 | 02 | 05 | 78 | | | | | | | _ |

TERMINAL RESPONSE: OPEN CHANNEL 5.1.1B

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 00
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400

Coding:

| BER-TLV: | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 38 | 02 | 81 | 00 | 35 | 07 | 02 | 00 | 04 | 03 | 04 | 1F |
| | 02 | 39 | 02 | 05 | 78 | | | | | | | |

TERMINAL RESPONSE: CLOSE CHANNEL 5.1.1

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 41 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

27.22.4.27.5.1.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 5.1.

27.22.4.27.5.2 Open Channel (GPRS, support of Text Attribute – Center Alignment)

27.22.4.27.5.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.27.5.2.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.27.5.2.3 Test purpose

To verify that the ME displays an alpha identifier according to the center alignment text attribute configuration in OPEN CHANNEL and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.27.5.2.4 Method of test

27.22.4.27.5.2.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The channel identifier value used for these tests is set to 1 as an example.

This channel identifier is dependent on the ME"s default channel identifier as declared in table A.2/27.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

27.22.4.27.5.2.4.2 Procedure

Expected Sequence 5.2 (OPEN CHANNEL, immediate link establishment, GPRS, Text Attribute – Center Alignment)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING : OPEN | |
| | | CHANNEL 5.2.1 | |
| 2 | $ME \to UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND : OPEN CHANNEL 5.2.1 | |
| 4 | $ME \to USER$ | Confirmation phase with alpha ID | [alpha identifier is displayed with center alignment] |
| 5 | $USER \to ME$ | The user confirms | |
| 6 | $ME \to USS$ | PDP context activation request | |
| 7 | $USS \to ME$ | PDP context activation accept | |
| 8 | $ME \rightarrow UICC$ | TERMINAL RESPONSE : OPEN CHANNEL 5.2.1A | [Command performed successfully] |
| | | or TERMINAL RESPONSE : OPEN CHANNEL 5.2.1B | |
| 9 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: CLOSE CHANNEL 5.1.1 | |
| 10 | $ME \rightarrow UICC$ | FETCH | |
| 11 | UICC → ME | PROACTIVE COMMAND: CLOSE CHANNEL | |
| | | 5.1.1 | |
| 12 | $ME \to USS$ | PDP context deactivation request | |
| 13 | $USS \to ME$ | PDP context deactivation accept | |
| 14 | $ME \to UICC$ | TERMINAL RESPONSE : CLOSE CHANNEL | [Command performed successfully] |
| | | 5.1.1 | |
| 15 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: OPEN | |
| 16 | ME 	o UICC | CHANNEL 5.2.2 FETCH | |
| 17 | $UICC \to ME$ | PROACTIVE COMMAND : OPEN CHANNEL | |
| 17 | OICC → IVIE | 5.2.2 | |
| 18 | ME → USER | Confirmation phase with alpha ID | [Message shall be formatted without center alignment. Remark: If center alignment is the ME"s default alignment as declared in table A.2/19, no alignment change will take place] |
| 19 | $USER \to ME$ | The user confirms | |
| 20 | $ME \to USS$ | PDP context activation request | |
| 21 | $USS \to ME$ | PDP context activation accept | |
| 22 | $ME \rightarrow UICC$ | TERMINAL RESPONSE : OPEN CHANNEL 5.2.1A or | [Command performed successfully] |
| | | TERMINAL RESPONSE : OPEN CHANNEL 5.2.1B | |
| 23 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: CLOSE CHANNEL 5.1.1 | |
| 24 | $ME \to UICC$ | FETCH | |
| 25 | $UICC \to ME$ | PROACTIVE COMMAND: CLOSE CHANNEL 5.1.1 | |
| 26 | $ME \to USS$ | PDP context deactivation request | |
| 27 | $USS \to ME$ | PDP context deactivation accept | |
| 28 | $ME \rightarrow UICC$ | TERMINAL RESPONSE : CLOSE CHANNEL 5.1.1 | [Command performed successfully] |

PROACTIVE COMMAND: OPEN CHANNEL 5.2.1

Logically:

Command details

Command number:

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC Destination device: ME

Alpha Identifier "Open ID 1"

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400 Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level
Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

Text Attribute

Formatting position: 0 Formatting length: 9

Formatting mode: Center Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 53 | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 81 | 82 | 05 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 09 | 4F | 70 | 65 | 6E | 20 | 49 | 44 | 20 | 31 | 35 | 07 |
| | 02 | 03 | 04 | 03 | 04 | 1F | 02 | 39 | 02 | 05 | 78 | 47 |
| | 0A | 06 | 54 | 65 | 73 | 74 | 47 | 70 | 02 | 72 | 73 | 0D |
| | 08 | F4 | 55 | 73 | 65 | 72 | 4C | 6F | 67 | 0D | 08 | F4 |
| | 55 | 73 | 65 | 72 | 50 | 77 | 64 | 3C | 03 | 01 | AD | 9C |
| | 3E | 05 | 21 | 01 | 01 | 01 | 01 | D0 | 04 | 00 | 09 | 01 |
| | B4 | | | | | | | | | | | |

PROACTIVE COMMAND: OPEN CHANNEL 5.2.2

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC Destination device: ME

Alpha Identifier "Open ID 2"

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400

Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level

Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

Coding:

| BER-TLV: | D0 | 4D | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 81 | 82 | 05 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| _ | 09 | 4F | 70 | 65 | 6E | 20 | 49 | 44 | 20 | 32 | 35 | 07 |
| | 02 | 03 | 04 | 03 | 04 | 1F | 02 | 39 | 02 | 05 | 78 | 47 |
| | 0A | 06 | 54 | 65 | 73 | 74 | 47 | 70 | 02 | 72 | 73 | 0D |
| | 08 | F4 | 55 | 73 | 65 | 72 | 4C | 6F | 67 | 0D | 08 | F4 |
| | 55 | 73 | 65 | 72 | 50 | 77 | 64 | 3C | 03 | 01 | AD | 9C |
| | 3E | 05 | 21 | 01 | 01 | 01 | 01 | | | | | |

TERMINAL RESPONSE: OPEN CHANNEL 5.2.1A

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400

Coding:

| BER-TLV: | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 38 | 02 | 81 | 00 | 35 | 07 | 02 | 03 | 04 | 03 | 04 | 1F |
| | 02 | 39 | 02 | 05 | 78 | | | | | | | |

TERMINAL RESPONSE: OPEN CHANNEL 5.2.1B

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 00
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400

Coding:

| BER-TLV: | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 38 | 02 | 81 | 00 | 35 | 07 | 02 | 00 | 04 | 03 | 04 | 1F |
| | 02 | 39 | 02 | 05 | 78 | | | | | | | |

27.22.4.27.5.2.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 5.2.

27.22.4.27.5.3 Open Channel (GPRS, support of Text Attribute – Right Alignment)

27.22.4.27.5.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.27.5.3.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.27.5.3.3 Test purpose

To verify that the ME displays an alpha identifier according to the right alignment text attribute configuration in OPEN CHANNEL and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.27.5.3.4 Method of test

27.22.4.27.5.3.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The channel identifier value used for these tests is set to 1 as an example.

This channel identifier is dependent on the ME"s default channel identifier as declared in table A.2/27.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

27.22.4.27.5.3.4.2 Procedure

Expected Sequence 5.3 (OPEN CHANNEL, immediate link establishment, GPRS, Text Attribute – Right Alignment)

| Step | Direction | MESSAGE / Action | Comments |
|----------|--|---|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING : OPEN | |
| | | CHANNEL 5.3.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND : OPEN CHANNEL | |
| 4 | ME LIGED | 5.3.1 Confirmation phase with alpha ID | [alpha identifier is displayed with right alignment] |
| 4 5 | ME → USER | The user confirms | [alpha identifier is displayed with right alignment] |
| 6 | USER → ME | PDP context activation request | |
| 7 | $\begin{array}{c} ME \to USS \\ USS \to ME \end{array}$ | PDP context activation request | |
| 8 | ME → UICC | TERMINAL RESPONSE : OPEN CHANNEL | [Command performed successfully] |
| | WE 70100 | 5.3.1A | [Command portormed edecederally] |
| | | or | |
| | | TERMINAL RESPONSE : OPEN CHANNEL | |
| _ | | 5.3.1B | |
| 9 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: CLOSE | |
| 10 | $ME \to UICC$ | CHANNEL 5.1.1 FETCH | |
| 11 | UICC → ME | PROACTIVE COMMAND: CLOSE CHANNEL | |
| | OIGG / IVIL | 5.1.1 | |
| 12 | $ME \to USS$ | PDP context deactivation request | |
| 13 | $USS \to ME$ | PDP context deactivation accept | |
| 14 | $ME \to UICC$ | TERMINAL RESPONSE : CLOSE CHANNEL | [Command performed successfully] |
| | | 5.1.1 | |
| 15 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: OPEN CHANNEL 5.3.2 | |
| 16 | $ME \rightarrow UICC$ | FETCH | |
| 17 | UICC → ME | PROACTIVE COMMAND : OPEN CHANNEL | |
| | 0.00 / | 5.3.2 | |
| 18 | $ME \to USER$ | Confirmation phase with alpha ID | [Message shall be formatted without right alignment. |
| | | | Remark: If right alignment is the ME"s default |
| | | | alignment as declared in table A.2/19, no alignment change will take place] |
| 19 | $USER \to ME$ | The user confirms | onange will take place] |
| 20 | ME → USS | PDP context activation request | |
| 21 | $USS \to ME$ | PDP context activation accept | |
| 22 | $ME \to UICC$ | TERMINAL RESPONSE : OPEN CHANNEL | [Command performed successfully] |
| | | 5.3.1A | |
| | | or | |
| | | TERMINAL RESPONSE : OPEN CHANNEL 5.3.1B | |
| 23 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: CLOSE | |
| 20 | 0100 → IVIL | CHANNEL 5.1.1 | |
| 24 | $ME \to UICC$ | FETCH | |
| 25 | $UICC \to ME$ | PROACTIVE COMMAND: CLOSE CHANNEL | |
| 00 | ME USS | 5.1.1 | |
| 26 | ME → USS | PDP context deactivation request | |
| 27 28 | $\begin{array}{c} USS \to ME \\ ME \to UICC \end{array}$ | PDP context deactivation accept TERMINAL RESPONSE : CLOSE CHANNEL | [Command performed successfully] |
| 20 | IVIE → UICC | 5.1.1 | [Command penomied successfully] |

PROACTIVE COMMAND: OPEN CHANNEL 5.3.1

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC Destination device: ME

Alpha Identifier "Open ID 1"

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400 Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level Transport format: UDP

Port number: 44444
Data destination address 01.01.01.01

Text Attribute

Formatting position: 0 Formatting length: 9

Formatting mode: Right Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TL | _V: | D0 | 53 | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 81 | 82 | 05 |
|--------|-----|----|----|----|----|----|----|----|----|----|----|----|----|
| | | 09 | 4F | 70 | 65 | 6E | 20 | 49 | 44 | 20 | 31 | 35 | 07 |
| | | 02 | 03 | 04 | 03 | 04 | 1F | 02 | 39 | 02 | 05 | 78 | 47 |
| | | 0A | 06 | 54 | 65 | 73 | 74 | 47 | 70 | 02 | 72 | 73 | 0D |
| | | 08 | F4 | 55 | 73 | 65 | 72 | 4C | 6F | 67 | 0D | 08 | F4 |
| | | 55 | 73 | 65 | 72 | 50 | 77 | 64 | 3C | 03 | 01 | AD | 9C |
| | | 3E | 05 | 21 | 01 | 01 | 01 | 01 | D0 | 04 | 00 | 09 | 02 |
| | | B4 | | | | | | | | | | | |

PROACTIVE COMMAND: OPEN CHANNEL 5.3.2

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC
Destination device: ME

Alpha Identifier "Open ID 2"

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03 Delay Class: 04 Reliability Class: 03 Peak throughput class: 04 Mean throughput class: 31 Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400 Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level
Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

Coding:

| BER-TLV: | D0 | 4D | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 81 | 82 | 05 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 09 | 4F | 70 | 65 | 6E | 20 | 49 | 44 | 20 | 32 | 35 | 07 |
| | 02 | 03 | 04 | 03 | 04 | 1F | 02 | 39 | 02 | 05 | 78 | 47 |
| | 0A | 06 | 54 | 65 | 73 | 74 | 47 | 70 | 02 | 72 | 73 | 0D |
| | 08 | F4 | 55 | 73 | 65 | 72 | 4C | 6F | 67 | 0D | 08 | F4 |
| | 55 | 73 | 65 | 72 | 50 | 77 | 64 | 3C | 03 | 01 | AD | 9C |
| | 3E | 05 | 21 | 01 | 01 | 01 | 01 | | | | | |

TERMINAL RESPONSE: OPEN CHANNEL 5.3.1A

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400

Coding:

| BER-TLV: | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 38 | 02 | 81 | 00 | 35 | 07 | 02 | 03 | 04 | 03 | 04 | 1F |
| | 02 | 39 | 02 | 05 | 78 | | | | | | | |

TERMINAL RESPONSE: OPEN CHANNEL 5.3.1B

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 00
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400

Coding:

| BER-TLV: | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 38 | 02 | 81 | 00 | 35 | 07 | 02 | 00 | 04 | 03 | 04 | 1F |
| | 02 | 39 | 02 | 05 | 78 | | | | | | | |

27.22.4.27.5.3.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 5.3.

27.22.4.27.5.4 Open Channel (GPRS, support of Text Attribute – Large Font Size)

27.22.4.27.5.4.1 Definition and applicability

See clause 3.2.2.

27.22.4.27.5.4.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.27.5.4.3 Test purpose

To verify that the ME displays an alpha identifier according to the large font size text attribute configuration in OPEN CHANNEL and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.27.5.4.4 Method of test

27.22.4.27.5.4.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The channel identifier value used for these tests is set to 1 as an example.

This channel identifier is dependent on the ME"s default channel identifier as declared in table A.2/27.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

27.22.4.27.5.4.4.2 Procedure

Expected Sequence 5.4 (OPEN CHANNEL, immediate link establishment, GPRS, Text Attribute – Large Font Size)

| Step | Direction | MESSAGE / Action | Comments |
|----------|--|--|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING : OPEN | |
| 2 | ME LUCC | CHANNEL 5.4.1 FETCH | |
| 2 3 | $ME \to UICC$ $UICC \to ME$ | PROACTIVE COMMAND : OPEN CHANNEL | |
| 3 | | 5.4.1 | |
| 4 | $ME \to USER$ | Confirmation phase with alpha ID | [alpha identifier is displayed with large font size] |
| 5 | $USER \to ME$ | The user confirms | |
| 6 | $ME \to USS$ | PDP context activation request | |
| 7 | $USS \to ME$ | PDP context activation accept | |
| 8 | $ME \rightarrow UICC$ | TERMINAL RESPONSE : OPEN CHANNEL 5.4.1A | [Command performed successfully] |
| | | or | |
| | | TERMINAL RESPONSE : OPEN CHANNEL | |
| | | 5.4.1B | |
| 9 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: CLOSE | |
| 10 | ME 	o UICC | CHANNEL 5.1.1 FETCH | |
| 11 | $VICC \rightarrow ME$ | PROACTIVE COMMAND: CLOSE CHANNEL | |
| | OIGG / WIL | 5.1.1 | |
| 12 | $ME \to USS$ | PDP context deactivation request | |
| 13 | $USS \to ME$ | PDP context deactivation accept | |
| 14 | $ME \rightarrow UICC$ | TERMINAL RESPONSE : CLOSE CHANNEL 5.1.1 | [Command performed successfully] |
| 15 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: OPEN | |
| 10 | OICC IVIL | CHANNEL 5.4.2 | |
| 16 | $ME \to UICC$ | FETCH | |
| 17 | $UICC \to ME$ | PROACTIVE COMMAND : OPEN CHANNEL | |
| 10 | ME LICED | 5.4.2 Confirmation phase with alpha ID | [alpha identifier is displayed with normal font size] |
| 18 19 | $ME \rightarrow USER$ $USER \rightarrow ME$ | The user confirms | [alpha identifier is displayed with normal font size] |
| 20 | $ME \rightarrow USS$ | PDP context activation request | |
| 21 | USS → ME | PDP context activation accept | |
| 22 | $ME \to UICC$ | TERMINAL RESPONSE : OPEN CHANNEL | [Command performed successfully] |
| | | 5.4.1A | |
| | | or TERMINAL RESPONSE : OPEN CHANNEL | |
| | | 5.4.1B | |
| 23 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: CLOSE | |
| 0.4 | | CHANNEL 5.1.1 | |
| 24 25 | ME → UICC | FETCH PROACTIVE COMMAND: CLOSE CHANNEL | |
| 23 | $UICC \to ME$ | 5.1.1 | |
| 26 | $ME \to USS$ | PDP context deactivation request | |
| 27 | $USS \to ME$ | PDP context deactivation accept | |
| 28 | $ME \rightarrow UICC$ | TERMINAL RESPONSE : CLOSE CHANNEL | [Command performed successfully] |
| 29 | LUCC ME | 5.1.1 PROACTIVE COMMAND PENDING : OPEN | |
| 29 | $UICC \to ME$ | CHANNEL 5.4.1 | |
| 30 | $ME \to UICC$ | FETCH | |
| 31 | $UICC \to ME$ | PROACTIVE COMMAND : OPEN CHANNEL | |
| 00 | ME USES | 5.4.1 | Falaba idagifia ia disulas deside la constant |
| 32 33 | ME → USER | Confirmation phase with alpha ID The user confirms | [alpha identifier is displayed with large font size] |
| 34 | $\begin{array}{c} USER \to ME \\ ME \to USS \end{array}$ | PDP context activation request | |
| 35 | USS → ME | PDP context activation accept | |
| 36 | ME → UICC | TERMINAL RESPONSE : OPEN CHANNEL | [Command performed successfully] |
| | | 5.4.1A | |
| | | OF | |
| | | TERMINAL RESPONSE : OPEN CHANNEL 5.4.1B | |
| 1 | ļ | = | ا ا |

| 37 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: CLOSE CHANNEL 5.1.1 | |
|----|-----------------------|--|---|
| 38 | ME → UICC | FETCH | |
| 39 | UICC → ME | PROACTIVE COMMAND: CLOSE CHANNEL | |
| | | 5.1.1 | |
| 40 | $ME \to USS$ | PDP context deactivation request | |
| 41 | $USS \to ME$ | PDP context deactivation accept | |
| 42 | $ME \rightarrow UICC$ | TERMINAL RESPONSE : CLOSE CHANNEL | [Command performed successfully] |
| | | 5.1.1 | |
| 43 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: OPEN | |
| | | CHANNEL 5.4.3 | |
| 44 | $ME \rightarrow UICC$ | FETCH | |
| 45 | $UICC \to ME$ | PROACTIVE COMMAND : OPEN CHANNEL | |
| | | 5.4.3 | |
| 46 | $ME \rightarrow USER$ | Confirmation phase with alpha ID | [alpha identifier is displayed with normal font size] |
| 47 | $USER \to ME$ | The user confirms | |
| 48 | $ME \to USS$ | PDP context activation request | |
| 49 | $USS \to ME$ | PDP context activation accept | |
| 50 | $ME \rightarrow UICC$ | TERMINAL RESPONSE : OPEN CHANNEL 5.4.1A | [Command performed successfully] |
| | | or | |
| | | TERMINAL RESPONSE : OPEN CHANNEL | |
| | | 5.4.1B | |
| 51 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: CLOSE | |
| | | CHANNEL 5.1.1 | |
| 52 | $ME \to UICC$ | FETCH | |
| 53 | $UICC \to ME$ | PROACTIVE COMMAND: CLOSE CHANNEL | |
| | | 5.1.1 | |
| 54 | $ME \to USS$ | PDP context deactivation request | |
| 55 | $USS \to ME$ | PDP context deactivation accept | |
| 56 | $ME \rightarrow UICC$ | TERMINAL RESPONSE : CLOSE CHANNEL 5.1.1 | [Command performed successfully] |

PROACTIVE COMMAND: OPEN CHANNEL 5.4.1

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC Destination device: ME

Alpha Identifier "Open ID 1"

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400 Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level

Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

Text Attribute

Formatting position: 0 Formatting length: 9

Formatting mode: Left Alignment, Large Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 53 | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 81 | 82 | 05 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 09 | 4F | 70 | 65 | 6E | 20 | 49 | 44 | 20 | 31 | 35 | 07 |
| | 02 | 03 | 04 | 03 | 04 | 1F | 02 | 39 | 02 | 05 | 78 | 47 |
| | 0A | 06 | 54 | 65 | 73 | 74 | 47 | 70 | 02 | 72 | 73 | 0D |
| | 08 | F4 | 55 | 73 | 65 | 72 | 4C | 6F | 67 | 0D | 08 | F4 |
| | 55 | 73 | 65 | 72 | 50 | 77 | 64 | 3C | 03 | 01 | AD | 9C |
| | 3E | 05 | 21 | 01 | 01 | 01 | 01 | D0 | 04 | 00 | 09 | 04 |
| | B4 | | | | | | | | | | | |

PROACTIVE COMMAND: OPEN CHANNEL 5.4.2

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC Destination device: ME

Alpha Identifier "Open ID 2"

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400 Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level

Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

Text Attribute

Formatting position: 0 Formatting length: 9

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 53 | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 81 | 82 | 05 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 09 | 4F | 70 | 65 | 6E | 20 | 49 | 44 | 20 | 32 | 35 | 07 |
| | 02 | 03 | 04 | 03 | 04 | 1F | 02 | 39 | 02 | 05 | 78 | 47 |
| | 0A | 06 | 54 | 65 | 73 | 74 | 47 | 70 | 02 | 72 | 73 | 0D |
| | 08 | F4 | 55 | 73 | 65 | 72 | 4C | 6F | 67 | 0D | 08 | F4 |
| | 55 | 73 | 65 | 72 | 50 | 77 | 64 | 3C | 03 | 01 | AD | 9C |
| | 3E | 05 | 21 | 01 | 01 | 01 | 01 | D0 | 04 | 00 | 09 | 00 |
| | B4 | | | | | | | | | | | |

PROACTIVE COMMAND: OPEN CHANNEL 5.4.3

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC Destination device: ME

Alpha Identifier "Open ID 3"

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400 Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level

Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

Coding:

| BER-TLV: | D0 | 4D | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 81 | 82 | 05 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 09 | 4F | 70 | 65 | 6E | 20 | 49 | 44 | 20 | 33 | 35 | 07 |
| | 02 | 03 | 04 | 03 | 04 | 1F | 02 | 39 | 02 | 05 | 78 | 47 |
| | 0A | 06 | 54 | 65 | 73 | 74 | 47 | 70 | 02 | 72 | 73 | 0D |
| | 80 | F4 | 55 | 73 | 65 | 72 | 4C | 6F | 67 | 0D | 08 | F4 |
| | 55 | 73 | 65 | 72 | 50 | 77 | 64 | 3C | 03 | 01 | AD | 9C |
| | 3E | 05 | 21 | 01 | 01 | 01 | 01 | | | | | |

TERMINAL RESPONSE: OPEN CHANNEL 5.4.1A

Logically:

Command details

Command number:

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400

Coding:

| BER-TLV: | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 38 | 02 | 81 | 00 | 35 | 07 | 02 | 03 | 04 | 03 | 04 | 1F |
| | 02 | 39 | 02 | 05 | 78 | | | | | | | |

TERMINAL RESPONSE: OPEN CHANNEL 5.4.1B

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 00
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400

Coding:

| BER-TLV: | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 38 | 02 | 81 | 00 | 35 | 07 | 02 | 00 | 04 | 03 | 04 | 1F |
| | 02 | 39 | 02 | 05 | 78 | | | | | | | |

27.22.4.27.5.4.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 5.4.

27.22.4.27.5.5 Open Channel (GPRS, support of Text Attribute – Small Font Size)

27.22.4.27.5.5.1 Definition and applicability

See clause 3.2.2.

27.22.4.27.5.5.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.27.5.5.3 Test purpose

To verify that the ME displays an alpha identifier according to the small font size text attribute configuration in OPEN CHANNEL and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.27.5.5.4 Method of test

27.22.4.27.5.5.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The channel identifier value used for these tests is set to 1 as an example.

This channel identifier is dependent on the ME"s default channel identifier as declared in table A.2/27.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

27.22.4.27.5.5.4.2 Procedure

Expected Sequence 5.5 (OPEN CHANNEL, immediate link establishment, GPRS, Text Attribute – Small Font Size)

| Step | Direction | MESSAGE / Action | Comments |
|----------|---|--|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING : OPEN | |
| | ME | CHANNEL 5.5.1 | |
| 2 3 | $ME \to UICC$ $UICC \to ME$ | FETCH PROACTIVE COMMAND : OPEN CHANNEL | |
| | OICC → IVIE | 5.5.1 | |
| 4 | $ME \to USER$ | Confirmation phase with alpha ID | [alpha identifier is displayed with small font size] |
| 5 | $USER \to ME$ | The user confirms | |
| 6 | $ME \to USS$ | PDP context activation request | |
| 7 | $USS \to ME$ | PDP context activation accept | |
| 8 | $ME \rightarrow UICC$ | TERMINAL RESPONSE : OPEN CHANNEL 5.5.1A | [Command performed successfully] |
| | | or | |
| | | TERMINAL RESPONSE : OPEN CHANNEL | |
| | | 5.5.1B | |
| 9 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: CLOSE | |
| 10 | ME 	o UICC | CHANNEL 5.1.1 FETCH | |
| 11 | UICC → ME | PROACTIVE COMMAND: CLOSE CHANNEL | |
| | 0100 / IIIL | 5.1.1 | |
| 12 | $ME \to USS$ | PDP context deactivation request | |
| 13 | $USS \to ME$ | PDP context deactivation accept | |
| 14 | $ME \rightarrow UICC$ | TERMINAL RESPONSE : CLOSE CHANNEL 5.1.1 | [Command performed successfully] |
| 15 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: OPEN | |
| | OIGG / WIL | CHANNEL 5.5.2 | |
| 16 | $ME \to UICC$ | FETCH | |
| 17 | $UICC \to ME$ | PROACTIVE COMMAND : OPEN CHANNEL | |
| 18 | ME LICED | 5.5.2 Confirmation phase with alpha ID | [alpha identifier is displayed with normal font size] |
| 19 | $ME \rightarrow USER$ $USER \rightarrow ME$ | The user confirms | [aipha identiner is displayed with normal fortt size] |
| 20 | ME → USS | PDP context activation request | |
| 21 | $USS \to ME$ | PDP context activation accept | |
| 22 | $ME \to UICC$ | TERMINAL RESPONSE : OPEN CHANNEL | [Command performed successfully] |
| | | 5.5.1A | |
| | | or TERMINAL RESPONSE : OPEN CHANNEL | |
| | | 5.5.1B | |
| 23 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: CLOSE | |
| 0.4 | ME IIIOO | CHANNEL 5.1.1 | |
| 24 25 | $ME \to UICC$ $UICC \to ME$ | FETCH PROACTIVE COMMAND: CLOSE CHANNEL | |
| 23 | OICC → IVIL | 5.1.1 | |
| 26 | $ME \to USS$ | PDP context deactivation request | |
| 27 | $USS \to ME$ | PDP context deactivation accept | |
| 28 | $ME \rightarrow UICC$ | TERMINAL RESPONSE : CLOSE CHANNEL | [Command performed successfully] |
| 29 | $UICC \to ME$ | 5.1.1 PROACTIVE COMMAND PENDING : OPEN | |
| 23 | | CHANNEL 5.5.1 | |
| 30 | $ME \to UICC$ | FETCH | |
| 31 | $UICC \to ME$ | PROACTIVE COMMAND : OPEN CHANNEL | |
| 20 | ME LIGER | 5.5.1 | [alpha identifier in displayed with areal! fort size!] |
| 32 33 | $ME \rightarrow USER$ $USER \rightarrow ME$ | Confirmation phase with alpha ID The user confirms | [alpha identifier is displayed with small font size] |
| 34 | $ME \rightarrow USS$ | PDP context activation request | |
| 35 | USS → ME | PDP context activation accept | |
| 36 | ME → UICC | TERMINAL RESPONSE : OPEN CHANNEL | [Command performed successfully] |
| | | 5.5.1A | |
| | | or TERMINAL RESPONSE : OPEN CHANNEL | |
| | | 5.5.1B | |
| 1 | ı | 1 | ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' |

| 37 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: CLOSE CHANNEL 5.1.1 | |
|------------|-----------------------|--|---|
| 38 | $ME \rightarrow UICC$ | FETCH | |
| 39 | $UICC \to ME$ | PROACTIVE COMMAND: CLOSE CHANNEL | |
| | | 5.1.1 | |
| 40 | $ME \to USS$ | PDP context deactivation request | |
| 41 | $USS \to ME$ | PDP context deactivation accept | |
| 42 | $ME \to UICC$ | TERMINAL RESPONSE : CLOSE CHANNEL | [Command performed successfully] |
| | | 5.1.1 | |
| 43 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: OPEN | |
| | | CHANNEL 5.5.3 | |
| 44 | $ME \rightarrow UICC$ | FETCH | |
| 45 | $UICC \to ME$ | PROACTIVE COMMAND : OPEN CHANNEL | |
| | | 5.5.3 | |
| 46 | $ME \rightarrow USER$ | Confirmation phase with alpha ID | [alpha identifier is displayed with normal font size] |
| 47 | $USER \to ME$ | The user confirms | |
| 48 | $ME \to USS$ | PDP context activation request | |
| 49 | $USS \to ME$ | PDP context activation accept | |
| 50 | $ME \rightarrow UICC$ | TERMINAL RESPONSE : OPEN CHANNEL | [Command performed successfully] |
| | | 5.5.1A | |
| | | or | |
| | | TERMINAL RESPONSE : OPEN CHANNEL | |
| | | 5.5.1B | |
| 51 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: CLOSE | |
| 50 | | CHANNEL 5.1.1 | |
| 52 | ME → UICC | FETCH | |
| 53 | $UICC \to ME$ | PROACTIVE COMMAND: CLOSE CHANNEL | |
| 5 4 | ME LICO | 5.1.1 | |
| 54 | ME → USS | PDP context deactivation request | |
| 55 | $USS \to ME$ | PDP context deactivation accept | |
| 46 | $ME \rightarrow UICC$ | TERMINAL RESPONSE : CLOSE CHANNEL | [Command performed successfully] |
| | | 5.1.1 | |

PROACTIVE COMMAND: OPEN CHANNEL 5.5.1

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC Destination device: ME

Alpha Identifier "Open ID 1"

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400 Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level

Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

Text Attribute

Formatting position: 0 Formatting length: 9

Formatting mode: Left Alignment, Small Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 53 | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 81 | 82 | 05 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 09 | 4F | 70 | 65 | 6E | 20 | 49 | 44 | 20 | 31 | 35 | 07 |
| | 02 | 03 | 04 | 03 | 04 | 1F | 02 | 39 | 02 | 05 | 78 | 47 |
| | 0A | 06 | 54 | 65 | 73 | 74 | 47 | 70 | 02 | 72 | 73 | 0D |
| | 08 | F4 | 55 | 73 | 65 | 72 | 4C | 6F | 67 | 0D | 08 | F4 |
| | 55 | 73 | 65 | 72 | 50 | 77 | 64 | 3C | 03 | 01 | AD | 9C |
| | 3E | 05 | 21 | 01 | 01 | 01 | 01 | D0 | 04 | 00 | 09 | 80 |
| | B4 | | | | | | | | | | | |

PROACTIVE COMMAND: OPEN CHANNEL 5.5.2

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC Destination device: ME

Alpha Identifier "Open ID 2"

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400 Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level

Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

Text Attribute

Formatting position: 0 Formatting length: 9

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 53 | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 81 | 82 | 05 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 09 | 4F | 70 | 65 | 6E | 20 | 49 | 44 | 20 | 32 | 35 | 07 |
| | 02 | 03 | 04 | 03 | 04 | 1F | 02 | 39 | 02 | 05 | 78 | 47 |
| | 0A | 06 | 54 | 65 | 73 | 74 | 47 | 70 | 02 | 72 | 73 | 0D |
| | 08 | F4 | 55 | 73 | 65 | 72 | 4C | 6F | 67 | 0D | 08 | F4 |
| | 55 | 73 | 65 | 72 | 50 | 77 | 64 | 3C | 03 | 01 | AD | 9C |
| | 3E | 05 | 21 | 01 | 01 | 01 | 01 | D0 | 04 | 00 | 09 | 00 |
| | B4 | | | | | | | | | | | |

PROACTIVE COMMAND: OPEN CHANNEL 5.5.3

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC Destination device: ME

Alpha Identifier "Open ID 3"

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400 Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level

Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

Coding:

| BER-TLV: | D0 | 4D | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 81 | 82 | 05 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 09 | 4F | 70 | 65 | 6E | 20 | 49 | 44 | 20 | 33 | 35 | 07 |
| | 02 | 03 | 04 | 03 | 04 | 1F | 02 | 39 | 02 | 05 | 78 | 47 |
| | 0A | 06 | 54 | 65 | 73 | 74 | 47 | 70 | 02 | 72 | 73 | 0D |
| | 80 | F4 | 55 | 73 | 65 | 72 | 4C | 6F | 67 | 0D | 08 | F4 |
| | 55 | 73 | 65 | 72 | 50 | 77 | 64 | 3C | 03 | 01 | AD | 9C |
| | 3E | 05 | 21 | 01 | 01 | 01 | 01 | | | | | |

TERMINAL RESPONSE: OPEN CHANNEL 5.5.1A

Logically:

Command details

Command number:

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400

Coding:

| BER-TLV: | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 38 | 02 | 81 | 00 | 35 | 07 | 02 | 03 | 04 | 03 | 04 | 1F |
| | 02 | 39 | 02 | 05 | 78 | | | | | | | |

TERMINAL RESPONSE: OPEN CHANNEL 5.5.1B

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 00
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400

Coding:

| BER-TLV: | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 38 | 02 | 81 | 00 | 35 | 07 | 02 | 00 | 04 | 03 | 04 | 1F |
| | 02 | 39 | 02 | 05 | 78 | | | | | | | |

27.22.4.27.5.5.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 5.5.

27.22.4.27.5.6 Open Channel (GPRS, support of Text Attribute – Bold On)

27.22.4.27.5.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.27.5.6.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.27.5.6.3 Test purpose

To verify that the ME displays an alpha identifier according to the bold text attribute configuration in OPEN CHANNEL and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.27.5.6.4 Method of test

27.22.4.27.5.6.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The channel identifier value used for these tests is set to 1 as an example.

This channel identifier is dependent on the ME"s default channel identifier as declared in table A.2/27.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

27.22.4.27.5.6.4.2 Procedure

Expected Sequence 5.6 (OPEN CHANNEL, immediate link establishment, GPRS, Text Attribute – Bold On)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING : OPEN | |
| | | CHANNEL 5.6.1 | |
| 2 | | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND : OPEN CHANNEL | |
| | ME HOED | 5.6.1 | Felicle Cidentification displayed with health and |
| 4 | | Confirmation phase with alpha ID | [alpha identifier is displayed with bold on] |
| 5 | | The user confirms | |
| 6 | | PDP context activation request | |
| 7 | | PDP context activation accept | [Common dispersion of accommon of the common |
| 8 | ME → UICC | TERMINAL RESPONSE : OPEN CHANNEL 5.6.1A | [Command performed successfully] |
| | | or | |
| | | TERMINAL RESPONSE : OPEN CHANNEL | |
| | | 5.6.1B | |
| 9 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: CLOSE | |
| | | CHANNEL 5.1.1 | |
| 10 | $ME \rightarrow UICC$ | | |
| 11 | $UICC \to ME$ | PROACTIVE COMMAND: CLOSE CHANNEL | |
| | | 5.1.1 | |
| 12 | | PDP context deactivation request | |
| 13 | | PDP context deactivation accept | |
| 14 | $ME \rightarrow UICC$ | TERMINAL RESPONSE : CLOSE CHANNEL | [Command performed successfully] |
| 15 | LUCO ME | 5.1.1 PROACTIVE COMMAND PENDING: OPEN | |
| 15 | OICC → ME | CHANNEL 5.6.2 | |
| 16 | $ME \rightarrow UICC$ | | |
| 17 | | PROACTIVE COMMAND : OPEN CHANNEL | |
| 1 '' | OICC → IVIL | 5.6.2 | |
| 18 | ME → USER | Confirmation phase with alpha ID | [alpha identifier is displayed with bold off] |
| 19 | | The user confirms | |
| 20 | | PDP context activation request | |
| 21 | | PDP context activation accept | |
| 22 | $ME \rightarrow UICC$ | TERMINAL RESPONSE : OPEN CHANNEL | [Command performed successfully] |
| | | 5.6.1A | |
| | | or | |
| | | TERMINAL RESPONSE : OPEN CHANNEL | |
| 23 | LUCO ME | 5.6.1B PROACTIVE COMMAND PENDING: CLOSE | |
| 23 | $UICC \to ME$ | CHANNEL 5.1.1 | |
| 24 | $ME \rightarrow UICC$ | | |
| 25 | | PROACTIVE COMMAND: CLOSE CHANNEL | |
| | 0.00 / | 5.1.1 | |
| 26 | $ME \to USS$ | PDP context deactivation request | |
| 27 | | | |
| 28 | $ME \rightarrow UICC$ | TERMINAL RESPONSE : CLOSE CHANNEL | [Command performed successfully] |
| | | 5.1.1 | |
| 29 | $UICC \to ME$ | PROACTIVE COMMAND PENDING : OPEN | |
| 20 | ME | CHANNEL 5.6.1 | |
| 30 | | FETCH | |
| 31 | $UICC \to ME$ | PROACTIVE COMMAND : OPEN CHANNEL 5.6.1 | |
| 32 | ME - LISEP | Confirmation phase with alpha ID | [alpha identifier is displayed with bold on] |
| 33 | | The user confirms | Laipha lachtinor is displayed with bold on |
| 34 | | PDP context activation request | |
| 35 | | PDP context activation accept | |
| 36 | | TERMINAL RESPONSE : OPEN CHANNEL | [Command performed successfully] |
| | / 3.00 | 5.6.1A | |
| | | or | |
| | | TERMINAL RESPONSE : OPEN CHANNEL | |
| | | 5.6.1B | |

| 37 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: CLOSE | |
|----|-----------------------|--|---|
| 38 | $ME \rightarrow UICC$ | CHANNEL 5.1.1 | |
| 39 | | PROACTIVE COMMAND: CLOSE CHANNEL | |
| 39 | OICC → IVIE | 5.1.1 | |
| 40 | ME LISS | PDP context deactivation request | |
| 41 | | PDP context deactivation accept | |
| 42 | | TERMINAL RESPONSE : CLOSE CHANNEL | [Command performed successfully] |
| 42 | | 5.1.1 | [Command performed successfully] |
| 43 | UICC → ME | PROACTIVE COMMAND PENDING: OPEN | |
| | 0.00 / | CHANNEL 5.6.3 | |
| 44 | $ME \rightarrow UICC$ | FETCH | |
| 45 | $UICC \to ME$ | | |
| | | 5.6.3 | |
| 46 | $ME \rightarrow USER$ | Confirmation phase with alpha ID | [alpha identifier is displayed with bold off] |
| 47 | $USER \to ME$ | The user confirms | |
| 48 | $ME \rightarrow USS$ | PDP context activation request | |
| 49 | $USS \to ME$ | PDP context activation accept | |
| 50 | $ME \rightarrow UICC$ | TERMINAL RESPONSE : OPEN CHANNEL | [Command performed successfully] |
| | | 5.6.1A | |
| | | or | |
| | | TERMINAL RESPONSE : OPEN CHANNEL | |
| | | 5.6.1B | |
| 51 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: CLOSE | |
| | ME 11100 | CHANNEL 5.1.1 | |
| 52 | ME → UICC | | |
| 53 | $UICC \to ME$ | PROACTIVE COMMAND: CLOSE CHANNEL 5.1.1 | |
| 54 | ME LISS | PDP context deactivation request | |
| 55 | $USS \rightarrow ME$ | PDP context deactivation request | |
| 56 | ME → UICC | • | [Command performed successfully] |
| 50 | INIE → UICC | 5.1.1 | [Command performed successfully] |
| | l | 0.1.1 | |

PROACTIVE COMMAND: OPEN CHANNEL 5.6.1

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC Destination device: ME

Alpha Identifier "Open ID 1"

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400 Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level

Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

Text Attribute

Formatting position: 0 Formatting length: 9

Formatting mode: Left Alignment, Normal Font, Bold On, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 53 | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 81 | 82 | 05 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 09 | 4F | 70 | 65 | 6E | 20 | 49 | 44 | 20 | 31 | 35 | 07 |
| | 02 | 03 | 04 | 03 | 04 | 1F | 02 | 39 | 02 | 05 | 78 | 47 |
| | 0A | 06 | 54 | 65 | 73 | 74 | 47 | 70 | 02 | 72 | 73 | 0D |
| | 08 | F4 | 55 | 73 | 65 | 72 | 4C | 6F | 67 | 0D | 08 | F4 |
| | 55 | 73 | 65 | 72 | 50 | 77 | 64 | 3C | 03 | 01 | AD | 9C |
| | 3E | 05 | 21 | 01 | 01 | 01 | 01 | D0 | 04 | 00 | 09 | 10 |
| | B4 | | | | | | | | | | | |

PROACTIVE COMMAND: OPEN CHANNEL 5.6.2

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC Destination device: ME

Alpha Identifier "Open ID 2"

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400 Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level

Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

Text Attribute

Formatting position: 0 Formatting length: 9

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 53 | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 81 | 82 | 05 | |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|--|
| | 09 | 4F | 70 | 65 | 6E | 20 | 49 | 44 | 20 | 32 | 35 | 07 | |
| | 02 | 03 | 04 | 03 | 04 | 1F | 02 | 39 | 02 | 05 | 78 | 47 | |
| | 0A | 06 | 54 | 65 | 73 | 74 | 47 | 70 | 02 | 72 | 73 | 0D | |
| | 08 | F4 | 55 | 73 | 65 | 72 | 4C | 6F | 67 | 0D | 08 | F4 | |
| | 55 | 73 | 65 | 72 | 50 | 77 | 64 | 3C | 03 | 01 | AD | 9C | |
| | 3E | 05 | 21 | 01 | 01 | 01 | 01 | D0 | 04 | 00 | 09 | 00 | |
| | B4 | | | | | | | | | | | | |

PROACTIVE COMMAND: OPEN CHANNEL 5.6.3

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC Destination device: ME

Alpha Identifier "Open ID 3"

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400 Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level

Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

Coding:

| BER-TLV: | D0 | 4D | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 81 | 82 | 05 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 09 | 4F | 70 | 65 | 6E | 20 | 49 | 44 | 20 | 33 | 35 | 07 |
| | 02 | 03 | 04 | 03 | 04 | 1F | 02 | 39 | 02 | 05 | 78 | 47 |
| | 0A | 06 | 54 | 65 | 73 | 74 | 47 | 70 | 02 | 72 | 73 | 0D |
| | 80 | F4 | 55 | 73 | 65 | 72 | 4C | 6F | 67 | 0D | 08 | F4 |
| | 55 | 73 | 65 | 72 | 50 | 77 | 64 | 3C | 03 | 01 | AD | 9C |
| | 3E | 05 | 21 | 01 | 01 | 01 | 01 | | | | | |

TERMINAL RESPONSE: OPEN CHANNEL 5.6.1A

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400

Coding:

| BER-TLV: | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 38 | 02 | 81 | 00 | 35 | 07 | 02 | 03 | 04 | 03 | 04 | 1F |
| | 02 | 39 | 02 | 05 | 78 | | | | | | | |

TERMINAL RESPONSE: OPEN CHANNEL 5.6.1B

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 00
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400

Coding:

| BER-TLV: | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 38 | 02 | 81 | 00 | 35 | 07 | 02 | 00 | 04 | 03 | 04 | 1F |
| | 02 | 39 | 02 | 05 | 78 | | | | | | | |

27.22.4.27.5.6.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 5.6.

27.22.4.27.5.7 Open Channel (GPRS, support of Text Attribute – Italic On)

27.22.4.27.5.7.1 Definition and applicability

See clause 3.2.2.

27.22.4.27.5.7.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.27.5.7.3 Test purpose

To verify that the ME displays an alpha identifier according to the italic text attribute configuration in OPEN CHANNEL and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.27.5.7.4 Method of test

27.22.4.27.5.7.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The channel identifier value used for these tests is set to 1 as an example.

This channel identifier is dependent on the ME"s default channel identifier as declared in table A.2/27.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

27.22.4.27.5.7.4.2 Procedure

Expected Sequence 5.7 (OPEN CHANNEL, immediate link establishment, GPRS, Text Attribute – Italic On)

| Step | Direction | MESSAGE / Action | Comments |
|----------|---|---|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING : OPEN | |
| 2 | ME IIIOO | CHANNEL 5.7.1 | |
| 2 3 | $ME \rightarrow UICC$ $UICC \rightarrow ME$ | FETCH PROACTIVE COMMAND : OPEN CHANNEL | |
| 3 | OICC → IVIE | 5.7.1 | |
| 4 | $ME \to USER$ | Confirmation phase with alpha ID | [alpha identifier is displayed with italic on] |
| 5 | $USER \to ME$ | The user confirms | |
| 6 | $ME \to USS$ | PDP context activation request | |
| 7 | $USS \to ME$ | PDP context activation accept | |
| 8 | ME → UICC | TERMINAL RESPONSE : OPEN CHANNEL 5.7.1A | [Command performed successfully] |
| | | or TERMINAL RESPONSE : OPEN CHANNEL 5.7.1B | |
| 9 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: CLOSE CHANNEL 5.1.1 | |
| 10 | $ME \to UICC$ | FETCH | |
| 11 | $UICC \to ME$ | PROACTIVE COMMAND: CLOSE CHANNEL 5.1.1 | |
| 12 | $ME \to USS$ | PDP context deactivation request | |
| 13 | $USS \to ME$ | PDP context deactivation accept | |
| 14 | $ME \rightarrow UICC$ | TERMINAL RESPONSE : CLOSE CHANNEL 5.1.1 | [Command performed successfully] |
| 15 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: OPEN CHANNEL 5.7.2 | |
| 16 | $ME \to UICC$ | FETCH | |
| 17 | $UICC \to ME$ | PROACTIVE COMMAND : OPEN CHANNEL 5.7.2 | |
| 18 | $ME \rightarrow USER$ | Confirmation phase with alpha ID | [alpha identifier is displayed with italic off] |
| 19 | $USER \to ME$ | The user confirms | |
| 20 | $ME \to USS$ | PDP context activation request | |
| 21 | $USS \to ME$ | PDP context activation accept | |
| 22 | $ME \rightarrow UICC$ | TERMINAL RESPONSE : OPEN CHANNEL 5.7.1A | [Command performed successfully] |
| | | or | |
| | | TERMINAL RESPONSE : OPEN CHANNEL | |
| 00 | | 5.7.1B | |
| 23 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: CLOSE CHANNEL 5.1.1 | |
| 24 | $ME \to UICC$ | FETCH | |
| 25 | $UICC \rightarrow ME$ | PROACTIVE COMMAND: CLOSE CHANNEL | |
| | | 5.1.1 | |
| 26 | ME → USS | PDP context deactivation request | |
| 27 | USS → ME | PDP context deactivation accept TERMINAL RESPONSE : CLOSE CHANNEL | [Command performed successfully] |
| 28 | ME → UICC | 5.1.1 | [Command performed successfully] |
| 29 | $UICC \to ME$ | PROACTIVE COMMAND PENDING : OPEN CHANNEL 5.7.1 | |
| 30 | ME → UICC | FETCH | |
| 31 | $UICC \to ME$ | PROACTIVE COMMAND : OPEN CHANNEL 5.7.1 | |
| 32 | $ME \to USER$ | Confirmation phase with alpha ID | [alpha identifier is displayed with italic on] |
| 33 | USER → ME | The user confirms | |
| 34 | ME → USS | PDP context activation request | |
| 35 36 | USS → ME | PDP context activation accept TERMINAL RESPONSE : OPEN CHANNEL | [Command performed successfully] |
| 30 | $ME \rightarrow UICC$ | 5.7.1A | [Command pendimed successfully] |
| | | or | |
| | | TERMINAL RESPONSE : OPEN CHANNEL | |
| | | 5.7.1B | l |

| 37 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: CLOSE CHANNEL 5.1.1 | |
|----|-----------------------|--|---|
| 38 | $ME \rightarrow UICC$ | FETCH | |
| 39 | UICC → ME | PROACTIVE COMMAND: CLOSE CHANNEL | |
| | 0.00 / | 5.1.1 | |
| 40 | $ME \to USS$ | PDP context deactivation request | |
| 41 | $USS \to ME$ | PDP context deactivation accept | |
| 42 | $ME \to UICC$ | TERMINAL RESPONSE : CLOSE CHANNEL | [Command performed successfully] |
| | | 5.1.1 | |
| 43 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: OPEN | |
| | | CHANNEL 5.7.3 | |
| 44 | $ME \rightarrow UICC$ | FETCH | |
| 45 | $UICC \to ME$ | PROACTIVE COMMAND : OPEN CHANNEL | |
| | | 5.7.3 | |
| 46 | $ME \rightarrow USER$ | Confirmation phase with alpha ID | [alpha identifier is displayed with italic off] |
| 47 | $USER \to ME$ | The user confirms | |
| 48 | $ME \rightarrow USS$ | PDP context activation request | |
| 49 | $USS \to ME$ | PDP context activation accept | |
| 50 | $ME \rightarrow UICC$ | TERMINAL RESPONSE : OPEN CHANNEL | [Command performed successfully] |
| | | 5.7.1A | |
| | | OF | |
| | | TERMINAL RESPONSE : OPEN CHANNEL 5.7.1B | |
| 51 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: CLOSE | |
| 31 | | CHANNEL 5.1.1 | |
| 52 | $ME \to UICC$ | FETCH | |
| 53 | UICC → ME | PROACTIVE COMMAND: CLOSE CHANNEL | |
| | | 5.1.1 | |
| 54 | $ME \to USS$ | PDP context deactivation request | |
| 55 | USS → ME | PDP context deactivation accept | |
| 56 | ME → UICC | TERMINAL RESPONSE : CLOSE CHANNEL | [Command performed successfully] |
| | , 5.30 | 5.1.1 | |

PROACTIVE COMMAND: OPEN CHANNEL 5.7.1

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC Destination device: ME

Alpha Identifier "Open ID 1"

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400 Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level

Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

Text Attribute

Formatting position: 0 Formatting length: 9

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic On, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 53 | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 81 | 82 | 05 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 09 | 4F | 70 | 65 | 6E | 20 | 49 | 44 | 20 | 31 | 35 | 07 |
| | 02 | 03 | 04 | 03 | 04 | 1F | 02 | 39 | 02 | 05 | 78 | 47 |
| | 0A | 06 | 54 | 65 | 73 | 74 | 47 | 70 | 02 | 72 | 73 | 0D |
| | 08 | F4 | 55 | 73 | 65 | 72 | 4C | 6F | 67 | 0D | 08 | F4 |
| | 55 | 73 | 65 | 72 | 50 | 77 | 64 | 3C | 03 | 01 | AD | 9C |
| | 3E | 05 | 21 | 01 | 01 | 01 | 01 | D0 | 04 | 00 | 09 | 20 |
| | B4 | | | | | | | | | | | |

PROACTIVE COMMAND: OPEN CHANNEL 5.7.2

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC Destination device: ME

Alpha Identifier "Open ID 2"

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400 Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level

Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

Text Attribute

Formatting position: 0 Formatting length: 9

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 53 | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 81 | 82 | 05 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 09 | 4F | 70 | 65 | 6E | 20 | 49 | 44 | 20 | 32 | 35 | 07 |
| | 02 | 03 | 04 | 03 | 04 | 1F | 02 | 39 | 02 | 05 | 78 | 47 |
| | 0A | 06 | 54 | 65 | 73 | 74 | 47 | 70 | 02 | 72 | 73 | 0D |
| | 08 | F4 | 55 | 73 | 65 | 72 | 4C | 6F | 67 | 0D | 08 | F4 |
| | 55 | 73 | 65 | 72 | 50 | 77 | 64 | 3C | 03 | 01 | AD | 9C |
| | 3E | 05 | 21 | 01 | 01 | 01 | 01 | D0 | 04 | 00 | 09 | 00 |
| | B4 | | | | | | | | | | | |

PROACTIVE COMMAND: OPEN CHANNEL 5.7.3

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC Destination device: ME

Alpha Identifier "Open ID 3"

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400 Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level

Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

Coding:

| BER-TLV: | D0 | 4D | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 81 | 82 | 05 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 09 | 4F | 70 | 65 | 6E | 20 | 49 | 44 | 20 | 33 | 35 | 07 |
| | 02 | 03 | 04 | 03 | 04 | 1F | 02 | 39 | 02 | 05 | 78 | 47 |
| | 0A | 06 | 54 | 65 | 73 | 74 | 47 | 70 | 02 | 72 | 73 | 0D |
| | 80 | F4 | 55 | 73 | 65 | 72 | 4C | 6F | 67 | 0D | 08 | F4 |
| | 55 | 73 | 65 | 72 | 50 | 77 | 64 | 3C | 03 | 01 | AD | 9C |
| | 3E | 05 | 21 | 01 | 01 | 01 | 01 | | | | | |

TERMINAL RESPONSE: OPEN CHANNEL 5.7.1A

Logically:

Command details

Command number:

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME Destination device: UICC Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400

Coding:

| BER-TLV: | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 38 | 02 | 81 | 00 | 35 | 07 | 02 | 03 | 04 | 03 | 04 | 1F |
| | 02 | 39 | 02 | 05 | 78 | | | | | | | |

TERMINAL RESPONSE: OPEN CHANNEL 5.7.1B

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 00
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400

Coding:

| BER-TLV: | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 38 | 02 | 81 | 00 | 35 | 07 | 02 | 00 | 04 | 03 | 04 | 1F |
| | 02 | 39 | 02 | 05 | 78 | | | | | | | |

27.22.4.27.5.7.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 5.7.

27.22.4.27.5.8 Open Channel (GPRS, support of Text Attribute – Underline On)

27.22.4.27.5.8.1 Definition and applicability

See clause 3.2.2.

27.22.4.27.5.8.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.27.5.8.3 Test purpose

To verify that the ME displays an alpha identifier according to the underline text attribute configuration in OPEN CHANNEL and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.27.5.8.4 Method of test

27.22.4.27.5.8.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The channel identifier value used for these tests is set to 1 as an example.

This channel identifier is dependent on the ME"s default channel identifier as declared in table A.2/27.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

27.22.4.27.5.8.4.2 Procedure

Expected Sequence 5.8 (OPEN CHANNEL, immediate link establishment, GPRS, Text Attribute – Underline On)

| Step | Direction | MESSAGE / Action | Comments |
|----------|---|--|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING : OPEN | |
| 2 | ME IIIOO | CHANNEL 5.8.1 | |
| 2 3 | $ME \rightarrow UICC$ $UICC \rightarrow ME$ | FETCH PROACTIVE COMMAND : OPEN CHANNEL | |
| 3 | OICC → IVIE | 5.8.1 | |
| 4 | $ME \to USER$ | Confirmation phase with alpha ID | [alpha identifier is displayed with underline on] |
| 5 | $USER \to ME$ | The user confirms | |
| 6 | $ME \to USS$ | PDP context activation request | |
| 7 | $USS \to ME$ | PDP context activation accept | |
| 8 | $ME \rightarrow UICC$ | TERMINAL RESPONSE : OPEN CHANNEL 5.8.1A | [Command performed successfully] |
| | | or | |
| | | TERMINAL RESPONSE : OPEN CHANNEL | |
| | | 5.8.1B | |
| 9 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: CLOSE | |
| 10 | $ME \rightarrow UICC$ | CHANNEL 5.1.1 FETCH | |
| 11 | $UICC \rightarrow ME$ | PROACTIVE COMMAND: CLOSE CHANNEL | |
| | | 5.1.1 | |
| 12 | $ME \to USS$ | PDP context deactivation request | |
| 13 | $USS \to ME$ | PDP context deactivation accept | |
| 14 | $ME \rightarrow UICC$ | TERMINAL RESPONSE : CLOSE CHANNEL 5.1.1 | [Command performed successfully] |
| 15 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: OPEN | |
| | 0.00 / ML | CHANNEL 5.8.2 | |
| 16 | $ME \to UICC$ | FETCH | |
| 17 | $UICC \to ME$ | PROACTIVE COMMAND : OPEN CHANNEL | |
| 18 | $ME \rightarrow USER$ | 5.8.2 Confirmation phase with alpha ID | [alpha identifier is displayed with underline off] |
| 19 | $USER \rightarrow ME$ | The user confirms | [alpha identifier is displayed with dildentifie on] |
| 20 | $ME \rightarrow USS$ | PDP context activation request | |
| 21 | $USS \to ME$ | PDP context activation accept | |
| 22 | $ME \to UICC$ | TERMINAL RESPONSE: OPEN CHANNEL | [Command performed successfully] |
| | | 5.8.1A | |
| | | or TERMINAL RESPONSE: OPEN CHANNEL | |
| | | 5.8.1B | |
| 23 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: CLOSE | |
| 0.4 | ME IIIOO | CHANNEL 5.1.1 | |
| 24 25 | $ME \to UICC$ $UICC \to ME$ | FETCH PROACTIVE COMMAND: CLOSE CHANNEL | |
| 23 | OICC → IVIE | 5.1.1 | |
| 26 | $ME \to USS$ | PDP context deactivation request | |
| 27 | $USS \to ME$ | PDP context deactivation accept | |
| 28 | $ME \rightarrow UICC$ | TERMINAL RESPONSE : CLOSE CHANNEL | [Command performed successfully] |
| 29 | $UICC \to ME$ | 5.1.1 PROACTIVE COMMAND PENDING : OPEN | |
| 23 | OICC → IVIE | CHANNEL 5.8.1 | |
| 30 | $ME \to UICC$ | FETCH | |
| 31 | $UICC \to ME$ | PROACTIVE COMMAND : OPEN CHANNEL | |
| 20 | ME LICED | 5.8.1 | [alpha identifier is displayed with underline and |
| 32 33 | $ME \rightarrow USER$ $USER \rightarrow ME$ | Confirmation phase with alpha ID The user confirms | [alpha identifier is displayed with underline on] |
| 34 | $ME \rightarrow USS$ | PDP context activation request | |
| 35 | $USS \rightarrow ME$ | PDP context activation accept | |
| 36 | $ME \rightarrow UICC$ | TERMINAL RESPONSE : OPEN CHANNEL | [Command performed successfully] |
| | | 5.8.1A | |
| | | OF | |
| | | TERMINAL RESPONSE : OPEN CHANNEL 5.8.1B | |
| 1 | ! | | ı |

| 37 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: CLOSE CHANNEL 5.1.1 | |
|----------------------|-----------------------|--|--|
| 38 | ME 	o UICC | FETCH | |
| 39 | UICC → ME | PROACTIVE COMMAND: CLOSE CHANNEL | |
| 39 | OICC - IVIE | 5.1.1 | |
| 40 | $ME \to USS$ | PDP context deactivation request | |
| 41 | $USS \to ME$ | PDP context deactivation accept | |
| 42 | ME → UICC | TERMINAL RESPONSE : CLOSE CHANNEL | [Command performed successfully] |
| | , 5.55 | 5.1.1 | ,,, |
| 43 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: OPEN | |
| | | CHANNEL 5.8.3 | |
| 44 | $ME \to UICC$ | FETCH | |
| 45 | $UICC \to ME$ | PROACTIVE COMMAND : OPEN CHANNEL | |
| | | 5.8.3 | |
| 46 | $ME \to USER$ | Confirmation phase with alpha ID | [alpha identifier is displayed with underline off] |
| 47 | $USER \to ME$ | The user confirms | |
| 48 | $ME \to USS$ | PDP context activation request | |
| 49 | $USS \to ME$ | PDP context activation accept | |
| 50 | $ME \to UICC$ | TERMINAL RESPONSE : OPEN CHANNEL | [Command performed successfully] |
| | | 5.8.1A | |
| | | or | |
| | | TERMINAL RESPONSE : OPEN CHANNEL | |
| | | 5.8.1B | |
| 51 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: CLOSE | |
| F2 | ME LUCO | CHANNEL 5.1.1 | |
| 52 | ME → UICC | FETCH | |
| 53 | $UICC \to ME$ | PROACTIVE COMMAND: CLOSE CHANNEL | |
| 54 | ME 	o USS | 5.1.1 | |
| 5 4 55 | | PDP context deactivation request PDP context deactivation accept | |
| | USS → ME | • | [Command performed everentially] |
| 56 | $ME \rightarrow UICC$ | TERMINAL RESPONSE : CLOSE CHANNEL 5.1.1 | [Command performed successfully] |
| | | J. I. I | |

PROACTIVE COMMAND: OPEN CHANNEL 5.8.1

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC Destination device: ME

Alpha Identifier "Open ID 1"

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400 Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level

Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

Text Attribute

Formatting position: 0 Formatting length: 9

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline On,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 53 | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 81 | 82 | 05 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 09 | 4F | 70 | 65 | 6E | 20 | 49 | 44 | 20 | 31 | 35 | 07 |
| | 02 | 03 | 04 | 03 | 04 | 1F | 02 | 39 | 02 | 05 | 78 | 47 |
| | 0A | 06 | 54 | 65 | 73 | 74 | 47 | 70 | 02 | 72 | 73 | 0D |
| | 08 | F4 | 55 | 73 | 65 | 72 | 4C | 6F | 67 | 0D | 08 | F4 |
| | 55 | 73 | 65 | 72 | 50 | 77 | 64 | 3C | 03 | 01 | AD | 9C |
| | 3E | 05 | 21 | 01 | 01 | 01 | 01 | D0 | 04 | 00 | 09 | 40 |
| | B4 | | | | | | | | | | | |

PROACTIVE COMMAND: OPEN CHANNEL 5.8.2

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC Destination device: ME

Alpha Identifier "Open ID 2"

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400 Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level

Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

Text Attribute

Formatting position: 0 Formatting length: 9

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 53 | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 81 | 82 | 05 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 09 | 4F | 70 | 65 | 6E | 20 | 49 | 44 | 20 | 32 | 35 | 07 |
| | 02 | 03 | 04 | 03 | 04 | 1F | 02 | 39 | 02 | 05 | 78 | 47 |
| | 0A | 06 | 54 | 65 | 73 | 74 | 47 | 70 | 02 | 72 | 73 | 0D |
| | 08 | F4 | 55 | 73 | 65 | 72 | 4C | 6F | 67 | 0D | 08 | F4 |
| | 55 | 73 | 65 | 72 | 50 | 77 | 64 | 3C | 03 | 01 | AD | 9C |
| | 3E | 05 | 21 | 01 | 01 | 01 | 01 | D0 | 04 | 00 | 09 | 00 |
| | B4 | | | | | | | | | | | |

PROACTIVE COMMAND: OPEN CHANNEL 5.8.3

Logically:

Command details

Command number:

Command type: **OPEN CHANNEL**

Command qualifier: immediate link establishment

Device identities

Source device: **UICC** Destination device: ME

Alpha Identifier "Open ID 3"

Bearer

GPRS Bearer type:

Bearer parameter:

Precedence Class: 03 Delay Class: 04 Reliability Class: 03 Peak throughput class: 04 Mean throughput class: 31 02 (IP)

Packet data protocol:

Buffer

Buffer size: 1400 TestGp.rs Network access name:

UserLog (User login) Text String: Text String: UserPwd (User password)

UICC/ME interface transport level

Transport format: **UDP** Port number: 44444 Data destination address 01.01.01.01

Coding:

| BER-TLV: | D0 | 4D | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 81 | 82 | 05 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 09 | 4F | 70 | 65 | 6E | 20 | 49 | 44 | 20 | 33 | 35 | 07 |
| | 02 | 03 | 04 | 03 | 04 | 1F | 02 | 39 | 02 | 05 | 78 | 47 |
| | 0A | 06 | 54 | 65 | 73 | 74 | 47 | 70 | 02 | 72 | 73 | 0D |
| | 80 | F4 | 55 | 73 | 65 | 72 | 4C | 6F | 67 | 0D | 08 | F4 |
| | 55 | 73 | 65 | 72 | 50 | 77 | 64 | 3C | 03 | 01 | AD | 9C |
| | 3E | 05 | 21 | 01 | 01 | 01 | 01 | | | | | |

TERMINAL RESPONSE: OPEN CHANNEL 5.8.1A

Logically:

Command details

Command number:

OPEN CHANNEL Command type:

Command qualifier: immediate link establishment

Device identities

Source device: ME Destination device: **UICC** Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400

Coding:

| BER-TLV: | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 38 | 02 | 81 | 00 | 35 | 07 | 02 | 03 | 04 | 03 | 04 | 1F |
| | 02 | 39 | 02 | 05 | 78 | | | | | | | |

TERMINAL RESPONSE: OPEN CHANNEL 5.8.1B

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 00
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400

Coding:

| BER-TLV: | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| _ | 38 | 02 | 81 | 00 | 35 | 07 | 02 | 00 | 04 | 03 | 04 | 1F |
| | 02 | 39 | 02 | 05 | 78 | | | | | | | |

27.22.4.27.5.8.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 5.8.

27.22.4.27.5.9 Open Channel (GPRS, support of Text Attribute – Strikethrough On)

27.22.4.27.5.9.1 Definition and applicability

See clause 3.2.2.

27.22.4.27.5.9.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.27.5.9.3 Test purpose

To verify that the ME displays an alpha identifier according to the strikethrough text attribute configuration in OPEN CHANNEL and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.27.5.9.4 Method of test

27.22.4.27.5.9.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The channel identifier value used for these tests is set to 1 as an example.

This channel identifier is dependent on the ME"s default channel identifier as declared in table A.2/27.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

27.22.4.27.5.9.4.2 Procedure

Expected Sequence 5.9 (OPEN CHANNEL, immediate link establishment, GPRS, Text Attribute – Strikethrough On)

| Step | Direction | MESSAGE / Action | Comments |
|----------|---|--|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING : OPEN | |
| | ME IIIOO | CHANNEL 5.9.1 | |
| 2 3 | $ME \rightarrow UICC$ $UICC \rightarrow ME$ | FETCH PROACTIVE COMMAND : OPEN CHANNEL | |
| 3 | OICC → IVIE | 5.9.1 | |
| 4 | $ME \to USER$ | Confirmation phase with alpha ID | [alpha identifier is displayed with strikethrough on] |
| 5 | $USER \to ME$ | The user confirms | |
| 6 | $ME \to USS$ | PDP context activation request | |
| 7 | $USS \to ME$ | PDP context activation accept | |
| 8 | $ME \rightarrow UICC$ | TERMINAL RESPONSE : OPEN CHANNEL 5.9.1A | [Command performed successfully] |
| | | or TERMINAL RESPONSE : OPEN CHANNEL 5.9.1B | |
| 9 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: CLOSE CHANNEL 5.1.1 | |
| 10 | $ME \to UICC$ | FETCH | |
| 11 | $UICC \to ME$ | PROACTIVE COMMAND: CLOSE CHANNEL 5.1.1 | |
| 12 | $ME \to USS$ | PDP context deactivation request | |
| 13 | $USS \to ME$ | PDP context deactivation accept | |
| 14 | $ME \rightarrow UICC$ | TERMINAL RESPONSE : CLOSE CHANNEL 5.1.1 | [Command performed successfully] |
| 15 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: OPEN CHANNEL 5.9.2 | |
| 16 | $ME \to UICC$ | FETCH | |
| 17 | $UICC \to ME$ | PROACTIVE COMMAND : OPEN CHANNEL 5.9.2 | |
| 18 | $ME \rightarrow USER$ | Confirmation phase with alpha ID | [alpha identifier is displayed with strikethrough off] |
| 19 | $USER \to ME$ | The user confirms | |
| 20 | $ME \to USS$ | PDP context activation request | |
| 21 | $USS \to ME$ | PDP context activation accept | |
| 22 | $ME \rightarrow UICC$ | TERMINAL RESPONSE : OPEN CHANNEL 5.9.1A | [Command performed successfully] |
| | | or | |
| | | TERMINAL RESPONSE : OPEN CHANNEL 5.9.1B | |
| 23 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: CLOSE | |
| | 0.00 / ME | CHANNEL 5.1.1 | |
| 24 | $ME \to UICC$ | FETCH | |
| 25 | $UICC \to ME$ | PROACTIVE COMMAND: CLOSE CHANNEL 5.1.1 | |
| 26 | $ME \to USS$ | PDP context deactivation request | |
| 27 | USS → ME | PDP context deactivation accept | |
| 28 | $ME \to UICC$ | TERMINAL RESPONSE : CLOSE CHANNEL | [Command performed successfully] |
| 29 | $UICC \to ME$ | 5.1.1 PROACTIVE COMMAND PENDING : OPEN | |
| 30 | ME LUCC | CHANNEL 5.9.1 FETCH | |
| 30 31 | $ME \to UICC$ $UICC \to ME$ | PROACTIVE COMMAND : OPEN CHANNEL | |
| | | 5.9.1 | |
| 32 | ME → USER | Confirmation phase with alpha ID | [alpha identifier is displayed with strikethrough on] |
| 33 | USER → ME | The user confirms | |
| 34 35 | $ME \to USS$ $USS \to ME$ | PDP context activation request PDP context activation accept | |
| 36 | $ME \rightarrow UICC$ | TERMINAL RESPONSE : OPEN CHANNEL | [Command performed successfully] |
| | / 5100 | 5.9.1A | |
| | | or | |
| | | TERMINAL RESPONSE : OPEN CHANNEL | |
| 1 1 | | 5.9.1B | ı |

| 37 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: CLOSE CHANNEL 5.1.1 | |
|----------------------|-----------------------|--|--|
| 38 | $ME \to UICC$ | FETCH | |
| 39 | $UICC \to ME$ | PROACTIVE COMMAND: CLOSE CHANNEL | |
| | | 5.1.1 | |
| 40 | $ME \to USS$ | PDP context deactivation request | |
| 41 | $USS \to ME$ | PDP context deactivation accept | |
| 42 | $ME \to UICC$ | TERMINAL RESPONSE : CLOSE CHANNEL | [Command performed successfully] |
| | | 5.1.1 | |
| 43 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: OPEN | |
| | | CHANNEL 5.9.3 | |
| 44 | $ME \to UICC$ | FETCH | |
| 45 | $UICC \to ME$ | PROACTIVE COMMAND : OPEN CHANNEL | |
| | | 5.9.3 | |
| 46 | $ME \rightarrow USER$ | Confirmation phase with alpha ID | [alpha identifier is displayed with strikethrough off] |
| 47 | $USER \to ME$ | The user confirms | |
| 48 | $ME \to USS$ | PDP context activation request | |
| 49 | $USS \to ME$ | PDP context activation accept | |
| 50 | $ME \to UICC$ | TERMINAL RESPONSE : OPEN CHANNEL | [Command performed successfully] |
| | | 5.9.1A | |
| | | or | |
| | | TERMINAL RESPONSE : OPEN CHANNEL | |
| | | 5.9.1B | |
| 51 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: CLOSE | |
| F2 | ME | CHANNEL 5.1.1 | |
| 52 | ME → UICC | FETCH | |
| 53 | $UICC \to ME$ | PROACTIVE COMMAND: CLOSE CHANNEL 5.1.1 | |
| 54 | ME 	o USS | PDP context deactivation request | |
| 5 4 55 | USS → ME | PDP context deactivation request | |
| 56 | | • | [Command performed augeocofully] |
| 90 | $ME \rightarrow UICC$ | TERMINAL RESPONSE : CLOSE CHANNEL 5.1.1 | [Command performed successfully] |
| | | U. I. I | |

PROACTIVE COMMAND: OPEN CHANNEL 5.9.1

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC Destination device: ME

Alpha Identifier "Open ID 1"

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400 Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level

Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

Text Attribute

Formatting position: 0 Formatting length: 9

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough On

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 53 | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 81 | 82 | 05 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 09 | 4F | 70 | 65 | 6E | 20 | 49 | 44 | 20 | 31 | 35 | 07 |
| | 02 | 03 | 04 | 03 | 04 | 1F | 02 | 39 | 02 | 05 | 78 | 47 |
| | 0A | 06 | 54 | 65 | 73 | 74 | 47 | 70 | 02 | 72 | 73 | 0D |
| | 08 | F4 | 55 | 73 | 65 | 72 | 4C | 6F | 67 | 0D | 08 | F4 |
| | 55 | 73 | 65 | 72 | 50 | 77 | 64 | 3C | 03 | 01 | AD | 9C |
| | 3E | 05 | 21 | 01 | 01 | 01 | 01 | D0 | 04 | 00 | 09 | 80 |
| | B4 | | | | | | | | | | | |

PROACTIVE COMMAND: OPEN CHANNEL 5.9.2

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC Destination device: ME

Alpha Identifier "Open ID 2"

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400 Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level

Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

Text Attribute

Formatting position: 0 Formatting length: 9

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 53 | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 81 | 82 | 05 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 09 | 4F | 70 | 65 | 6E | 20 | 49 | 44 | 20 | 32 | 35 | 07 |
| | 02 | 03 | 04 | 03 | 04 | 1F | 02 | 39 | 02 | 05 | 78 | 47 |
| | 0A | 06 | 54 | 65 | 73 | 74 | 47 | 70 | 02 | 72 | 73 | 0D |
| | 08 | F4 | 55 | 73 | 65 | 72 | 4C | 6F | 67 | 0D | 08 | F4 |
| | 55 | 73 | 65 | 72 | 50 | 77 | 64 | 3C | 03 | 01 | AD | 9C |
| | 3E | 05 | 21 | 01 | 01 | 01 | 01 | D0 | 04 | 00 | 09 | 00 |
| | B4 | | | | | | | | | | | |

PROACTIVE COMMAND: OPEN CHANNEL 5.9.3

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC Destination device: ME

Alpha Identifier "Open ID 3"

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400 Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level

Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

Coding:

| BER-TLV: | D0 | 4D | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 81 | 82 | 05 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 09 | 4F | 70 | 65 | 6E | 20 | 49 | 44 | 20 | 33 | 35 | 07 |
| | 02 | 03 | 04 | 03 | 04 | 1F | 02 | 39 | 02 | 05 | 78 | 47 |
| | 0A | 06 | 54 | 65 | 73 | 74 | 47 | 70 | 02 | 72 | 73 | 0D |
| | 80 | F4 | 55 | 73 | 65 | 72 | 4C | 6F | 67 | 0D | 08 | F4 |
| | 55 | 73 | 65 | 72 | 50 | 77 | 64 | 3C | 03 | 01 | AD | 9C |
| | 3E | 05 | 21 | 01 | 01 | 01 | 01 | | | | | |

TERMINAL RESPONSE: OPEN CHANNEL 5.9.1A

Logically:

Command details

Command number:

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400

Coding:

| BER-TLV: | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 38 | 02 | 81 | 00 | 35 | 07 | 02 | 03 | 04 | 03 | 04 | 1F |
| | 02 | 39 | 02 | 05 | 78 | | | | | | | |

TERMINAL RESPONSE: OPEN CHANNEL 5.9.1B

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 00
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400

Coding:

| BER-TLV: | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 38 | 02 | 81 | 00 | 35 | 07 | 02 | 00 | 04 | 03 | 04 | 1F |
| | 02 | 39 | 02 | 05 | 78 | | | | | | | |

27.22.4.27.5.9.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 5.9.

27.22.4.27.5.10 Open Channel (GPRS, support of Text Attribute – Foreground and Background

Colour)

27.22.4.27.5.10.1 Definition and applicability

See clause 3.2.2.

27.22.4.27.5.10.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.27.5.10.3 Test purpose

To verify that the ME displays an alpha identifier according to the foreground and background colour text attribute configuration in OPEN CHANNEL and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.27.5.10.4 Method of test

27.22.4.27.5.10.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The channel identifier value used for these tests is set to 1 as an example.

This channel identifier is dependent on the ME"s default channel identifier as declared in table A.2/27.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

27.22.4.27.5.10.4.2 Procedure

Expected Sequence 5.10 (OPEN CHANNEL, immediate link establishment, GPRS, Text Attribute – Foreground and Background Colour)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING : OPEN | |
| | | CHANNEL 5.10.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND : OPEN CHANNEL 5.10.1 | |
| 4 | $ME \to USER$ | Confirmation phase with alpha ID | [alpha identifier is displayed with foreground and background colour according to the text attribute] |
| 5 | $USER \to ME$ | The user confirms | |
| 6 | $ME \to USS$ | PDP context activation request | |
| 7 | $USS \to ME$ | PDP context activation accept | |
| 8 | $ME \rightarrow UICC$ | TERMINAL RESPONSE : OPEN CHANNEL 5.10.1A or | [Command performed successfully] |
| | | TERMINAL RESPONSE : OPEN CHANNEL 5.10.1B | |
| 9 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: CLOSE CHANNEL 5.1.1 | |
| 10 | $ME \rightarrow UICC$ | FETCH | |
| 11 | $UICC \to ME$ | PROACTIVE COMMAND: CLOSE CHANNEL 5.1.1 | |
| 12 | $ME \rightarrow USS$ | PDP context deactivation request | |
| 13 | $USS \to ME$ | PDP context deactivation accept | |
| 14 | $ME \rightarrow UICC$ | TERMINAL RESPONSE : CLOSE CHANNEL 5.1.1 | [Command performed successfully] |
| 15 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: OPEN CHANNEL 5.10.2 | |
| 16 | $ME \to UICC$ | FETCH | |
| 17 | $UICC \to ME$ | PROACTIVE COMMAND : OPEN CHANNEL 5.10.2 | |
| 18 | $ME \to USER$ | Confirmation phase with alpha ID | [alpha identifier is displayed with ME"s default foreground and background colour] |
| 19 | $USER \to ME$ | The user confirms | |
| 20 | $ME \to USS$ | PDP context activation request | |
| 21 | $USS \to ME$ | PDP context activation accept | |
| 22 | $ME \rightarrow UICC$ | TERMINAL RESPONSE : OPEN CHANNEL 5.10.1A | [Command performed successfully] |
| | | or TERMINAL RESPONSE : OPEN CHANNEL 5.10.1B | |
| 23 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: CLOSE CHANNEL 5.1.1 | |
| 24 | $ME \to UICC$ | FETCH | |
| 25 | $UICC \to ME$ | PROACTIVE COMMAND: CLOSE CHANNEL | |
| | ME 1100 | 5.1.1 | |
| 26 | ME → USS | PDP context deactivation request | |
| 27 | USS → ME | PDP context deactivation accept | [Command performed ougs = == fill d |
| 28 | $ME \rightarrow UICC$ | TERMINAL RESPONSE : CLOSE CHANNEL 5.1.1 | [Command performed successfully] |

PROACTIVE COMMAND: OPEN CHANNEL 5.10.1

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC

Destination device: ME

Alpha Identifier "Open ID 1"

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400 Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level

Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

Text Attribute

Formatting position: 0 Formatting length: 9

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 53 | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 81 | 82 | 05 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 09 | 4F | 70 | 65 | 6E | 20 | 49 | 44 | 20 | 31 | 35 | 07 |
| | 02 | 03 | 04 | 03 | 04 | 1F | 02 | 39 | 02 | 05 | 78 | 47 |
| | 0A | 06 | 54 | 65 | 73 | 74 | 47 | 70 | 02 | 72 | 73 | 0D |
| | 08 | F4 | 55 | 73 | 65 | 72 | 4C | 6F | 67 | 0D | 08 | F4 |
| | 55 | 73 | 65 | 72 | 50 | 77 | 64 | 3C | 03 | 01 | AD | 9C |
| | 3E | 05 | 21 | 01 | 01 | 01 | 01 | D0 | 04 | 00 | 09 | 00 |
| | B4 | | | | | | | | | | | |

PROACTIVE COMMAND: OPEN CHANNEL 5.10.2

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC
Destination device: ME

Alpha Identifier "Open ID 2"

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400 Network access name: TestGp.rs Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level

Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

Coding:

| BER-TLV: | D0 | 4D | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 81 | 82 | 05 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 09 | 4F | 70 | 65 | 6E | 20 | 49 | 44 | 20 | 32 | 35 | 07 |
| | 02 | 03 | 04 | 03 | 04 | 1F | 02 | 39 | 02 | 05 | 78 | 47 |
| | 0A | 06 | 54 | 65 | 73 | 74 | 47 | 70 | 02 | 72 | 73 | 0D |
| | 08 | F4 | 55 | 73 | 65 | 72 | 4C | 6F | 67 | 0D | 08 | F4 |
| | 55 | 73 | 65 | 72 | 50 | 77 | 64 | 3C | 03 | 01 | AD | 9C |
| | 3E | 05 | 21 | 01 | 01 | 01 | 01 | | | | | |

TERMINAL RESPONSE: OPEN CHANNEL 5.10.1A

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data grateook 02 (IR)

Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400

Coding:

| BER-TLV: | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 38 | 02 | 81 | 00 | 35 | 07 | 02 | 03 | 04 | 03 | 04 | 1F |
| | 02 | 39 | 02 | 05 | 78 | | | | | | | |

TERMINAL RESPONSE: OPEN CHANNEL 5.10.1B

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 00
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400

Coding:

| BER-TLV: | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| _ | 38 | 02 | 81 | 00 | 35 | 07 | 02 | 00 | 04 | 03 | 04 | 1F |
| | 02 | 39 | 02 | 05 | 78 | | | | | | | |

27.22.4.27.5.10.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 5.10.

27.22.4.27.6 Open Channel (related to E-UTRAN)

27.22.4.27.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.27.6.2 Conformance requirements

The ME shall support the class "e" commands and E-UTRAN as defined in:

- TS 31.111[15] clause 5.2, clauses 6.4.27 and 6.6.27, clause 8.6, clause 8.7, clause 9.2, clause 8.2, clause 8.15, clause 8.52, clause 8.59, clause 8.61,
- TS 23.107 [30], cl 9.1.2.2, clause 9.1.2.3,
- TS 23.203 [31], cl 6.1.7.2,
- TS 24.301 [32], cl 9.9.4.3,
- TS 36.508 [33], cl 6.6.1.

27.22.4.27.6.3 Test purpose

To verify that the ME shall send a:

- TERMINAL RESPONSE (OK); or
- TERMINAL RESPONSE (Command performed with modification); or
- TERMINAL RESPONSE (User did not accept the proactive command);
- TERMINAL RESPONSE (ME currently unable to process command);

to the UICC after the ME receives the OPEN CHANNEL proactive command while accressing E-UTRAN/EPC. The TERMINAL RESPONSE sent back to the UICC is the result of the ME and the network capabilities against requested parameters by the UICC.

To verify that the ME sets up a PDN connection with the Access Point Name (APN) indicated in the Open Channel command which differs from the default APN.

To verify that the ME uses the Default EPS bearer when Bearer Type 3 is indicated in the Open Channel command.

To verify that the ME does not disconnect the Deafult EPS bearer when the user rejects the user confirmation of the Open Channel command.

27.22.4.27.6.4 Method of test

27.22.4.27.6.4.1 Initial conditions

The ME is connected to the USIM Simulator and the E-USS. Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The default E-UTRAN/EPC UICC, the default E-UTRAN parameters and the following parameters are used:

Network access name: TestGp.rs User login: UserLog User password: UserPwd

UICC/ME interface transport level

Transport format: TCP Port number: 44444

Data destination address: 01.01.01.01 (as an example)

Note: If a data destination address different to 01.01.01.01 is used then the same value is used

in the content of the affected Open Channel commands and the network simulator setup

and related UE settings might require a corresponding adaptation.

The Channel identifier value used for these tests is set to 1 as an example.

This channel identifier is dependent on the ME"s default channel identifier as declared in table A.2/27.

Prior to test case execution the apparatus supplier shall have provided the "Preferred buffer size supported by the terminal for Open Channel command" as requested in table A.2/29.

For sequence 6.1, 6.2 and 6.3 the E-USS shall be able to support 2 active PDN connections at the same time.

27.22.4.27.6.4.2 Method of test

Expected Sequence 6.1 (OPEN CHANNEL, immediate link establishment, E-UTRAN, bearer type '02')

| Step | Direction | MESSAGE / Action | Comments |
|------|-------------------------------|------------------------------------|-----------------------------------|
| 1 | $USER \to ME$ | | [see initial conditions] |
| | | terminal configuration if required | |
| 2 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: | |
| | | OPEN CHANNEL 6.1.1 | |
| 3 | $ME \rightarrow UICC$ | FETCH | |
| 4 | $UICC \to ME$ | PROACTIVE COMMAND : OPEN | |
| | | CHANNEL 6.1.1 | |
| 5 | $ME \rightarrow USER$ | The ME may display channel opening | |
| | | information | |
| 6 | $ME \rightarrow E-USS$ | PDN CONNECTIVITY REQUEST | |
| 7 | $E\text{-USS} \to ME$ | ACTIVATE DEFAULT EPS BEARER | [The E-UTRAN parameters are used] |
| | | CONTEXT REQUEST | |
| 8 | $ME \rightarrow E\text{-}USS$ | ACTIVATE DEFAULT EPS BEARER | |
| | | CONTEXT ACCEPT | |
| 9 | $ME \rightarrow UICC$ | TERMINAL RESPONSE : OPEN | [Command performed successfully] |
| | | CHANNEL 6.1.1 | |

PROACTIVE COMMAND: OPEN CHANNEL 6.1.1

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC Destination device: ME

Bearer

Bearer type: GPRS / UTRAN packet service / E-UTRAN

Precedence Class: 03
Delay Class: 04
Reliability Class: 02
Peak throughput class: 09
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400 Network access name: TestGp.rs

Text String: "UserLog" (User login)
Text String: "UserPwd" (User password)

UICC/ME interface transport level Transport format: TCP

Port number: 44444
Data destination address 01.01.01.01

Coding:

| BER-TLV: | D0 | 42 | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 81 | 82 | 35 |
|----------|----------|----------|----|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 07 | 02 | 03 | 04 | 02 | 09 | 1F | 02 | 39 | 02 | 05 | 78 |
| - | 47 | 0A | 06 | 54 | 65 | 73 | 74 | 47 | 70 | 02 | 72 | 73 |
| | | | | | | | | | | | | |
| | 0D | 08 | F4 | 55 | 73 | 65 | 72 | 4C | 6F | 67 | 0D | 08 |
| | 0D F4 | 08 55 | 73 | 65 65 | 73 72 | 65 50 | 72 77 | 4C 64 | 6F 3C | 67 03 | 0D 02 | 08 AD |

TERMINAL RESPONSE: OPEN CHANNEL 6.1.1

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS / UTRAN packet service / E-UTRAN

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 02
Peak throughput class: 09
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400

Coding:

| BER-TLV: | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 38 | 02 | 81 | 00 | 35 | 07 | 02 | 03 | 04 | 02 | 09 | 1F |
| | 02 | 39 | 02 | 05 | 78 | | | | | | | |

Expected Sequence 6.2 (OPEN CHANNEL, immediate link establishment, E-UTRAN, bearer type '0B')

| Step | Direction | MESSAGE / Action | Comments |
|----------|---|---|---|
| 1 | $USER \to ME$ | Set and configure APN "TestGp.rs" and | [see initial conditions] |
| | | "Test12.rs"in the terminal configuration if | |
| | | required | |
| 2 | $UICC \to ME$ | | |
| 2 | ME LUCC | OPEN CHANNEL 6.2.1 | |
| 3 | $ME \rightarrow UICC$ $UICC \rightarrow ME$ | FETCH PROACTIVE COMMAND : OPEN | The "TestGp.rs" APN is requested |
| 4 | OICC → ME | CHANNEL 6.2.1 | The residp.is AFIN is requested |
| 5 | MF → LISER | The ME may display channel opening | |
| | WE 7 COLIN | information | |
| 6 | $ME \rightarrow E\text{-}USS$ | PDN CONNECTIVITY REQUEST | The PDN CONNECTIVITY REQUEST shall |
| | | | contain APN value "TestGp.rs" |
| 7 | E-USS → ME | ACTIVATE DEFAULT EPS BEARER CONTEXT REQUEST | [The E-UTRAN parameters are used] |
| 8 | $ME \rightarrow E\text{-USS}$ | ACTIVATE DEFAULT EPS BEARER CONTEXT ACCEPT | |
| 9 | $ME \rightarrow UICC$ | | [Command performed successfully |
| | | CHANNEL 6.2.1A | OR |
| | | OR | Command performed with modifications] |
| | | TERMINAL RESPONSE : OPEN CHANNEL 6.2.1B | |
| | | CHANNEL 6.2.1B | |
| 10 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: | |
| | | CLOSE CHANNEL 3.1.1 | |
| 11 | $ME \rightarrow UICC$ | | |
| 12 | $UICC \to ME$ | PROACTIVE COMMAND : CLOSE | The ME can deactivate the EPS bearer |
| 40 | 145 | CHANNEL 3.1.1 | |
| 13 | $ME \rightarrow UICC$ | TERMINAL RESPONSE : CLOSE CHANNEL 3.1.1 | |
| 14 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: | The "Test12.rs" APN is requested |
| '- | OIOO IVIL | OPEN CHANNEL 6.2.2 | The restrains At It is requested |
| 15 | $ME \rightarrow UICC$ | | |
| 16 | $UICC \to ME$ | PROACTIVE COMMAND : OPEN | |
| | | CHANNEL 6.2.2 | |
| 17 | $ME \rightarrow USER$ | | |
| 40 | | information | TI PRINCIPLE TRUTT (DECLIEGT : " |
| 18 | ME → E- | PDN CONNECTIVITY REQUEST | The PDN CONNECTIVITY REQUEST shall |
| 19 | USS | ACTIVATE DEFAULT EPS BEARER | contain APN value "Test12.rs" [The E-UTRAN parameters are used] |
| 19 | $\begin{array}{c} E\text{-}USS \to \\ ME \end{array}$ | CONTEXT REQUEST | [second PDN context activated] |
| 20 | ME → E- | ACTIVATE DEFAULT EPS BEARER | [cooona i Div comon donvatou] |
| 20 | USS | CONTEXT ACCEPT | |
| 21 | ME → UICC | TERMINAL RESPONSE : OPEN | [Command performed successfully |
| | | CHANNEL 6.2.2A | OR |
| 1 | | OR | Command performed with modifications] |
| 1 | | TERMINAL RESPONSE : OPEN | |
| | | CHANNEL 6.2.2B | |
| <u> </u> | | | |

PROACTIVE COMMAND: OPEN CHANNEL 6.2.1

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC Destination device: ME

Bearer

Bearer type: E-UTRAN / mapped UTRAN packet service

QCI 9

Maximum bit rate for uplink: 0 (Subscribed maximum bit rate for uplink)

Maximum bit rate for downlink: 0 (Subscribed maximum bit rate for downlink)

Guaranteed bit rate for uplink: 0 (Use the value indicated by the maximum bit rate for uplink)

Guaranteed bit rate for downlink: 0 (Use the value indicated by the maximum bit rate for

downlink)

Maximum bit rate for uplink (extended): 0
Maximum bit rate for downlink (extended): 0
Guaranteed bit rate for uplink (extended): 0
Guaranteed bit rate for downlink (extended): 0
PDN Type: IP

Buffer

Buffer size: 1400 Network access name: TestGp.rs

Text String: "UserLog" (User login)
Text String: "UserPwd" (User password)

UICC/ME interface transport level
Transport format: TCP
Port number: 44444

Data destination address 01.01.01.01

Coding:

| E | BER-TLV: | D0 | 46 | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 81 | 82 | 35 |
|---|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | | 0B | 0B | 09 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 02 |
| | | 39 | 02 | 05 | 78 | 47 | 0A | 06 | 54 | 65 | 73 | 74 | 47 |
| | | 70 | 02 | 72 | 73 | 0D | 08 | F4 | 55 | 73 | 65 | 72 | 4C |
| | | 6F | 67 | 0D | 08 | F4 | 55 | 73 | 65 | 72 | 50 | 77 | 64 |
| | | 3C | 03 | 02 | AD | 9C | 3E | 05 | 21 | 01 | 01 | 01 | 01 |

TERMINAL RESPONSE: OPEN CHANNEL 6.2.1A

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer

Bearer type: E-UTRAN / mapped UTRAN packet service

QCI

Maximum bit rate for uplink:

Maximum bit rate for downlink:

Guaranteed bit rate for uplink:

Guaranteed bit rate for downlink:

Guaranteed bit rate for downlink:

Maximum bit rate for uplink (extended):

64 kbps

64 kbps

64 kbps

Maximum bit rate for downlink (extended): 0 Guaranteed bit rate for uplink (extended): 0 Guaranteed bit rate for downlink (extended): 0 PDN Type: IP

Buffer

Buffer size: 1400

Coding:

| BER-TLV: | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 38 | 02 | 81 | 00 | 35 | 0B | 0B | 09 | 40 | 40 | 40 | 40 |
| | 00 | 00 | 00 | 00 | 02 | 39 | 02 | 05 | 78 | | | |

TERMINAL RESPONSE: OPEN CHANNEL 6.2.1B

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed with modifications

Channel status Channel identifier 1 and link established or PDP context activated

Bearer

Bearer type: E-UTRAN / mapped UTRAN packet service

QCI 9

Maximum bit rate for uplink: 64 kbps
Maximum bit rate for downlink: 64 kbps
Guaranteed bit rate for uplink: 64 kbps
Guaranteed bit rate for downlink: 64 kbps
Maximum bit rate for uplink: 64 kbps

Maximum bit rate for uplink (extended): 0
Maximum bit rate for downlink (extended): 0
Guaranteed bit rate for uplink (extended): 0
Guaranteed bit rate for downlink (extended): 0
PDN Type: IP

Buffer

Buffer size: 1400

Coding:

| BER-TLV: | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 07 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 38 | 02 | 81 | 00 | 35 | 0B | 0B | 09 | 40 | 40 | 40 | 40 |
| | 00 | 00 | 00 | 00 | 02 | 39 | 02 | 05 | 78 | | | |

PROACTIVE COMMAND: CLOSE CHANNEL 3.1.1

Same as PROACTIVE COMMAND: CLOSE CHANNEL 3.1.1 in clause 27.22.4.28.3

TERMINAL RESPONSE: CLOSE CHANNEL 3.1.1

Same as TERMINAL RESPONSE: CLOSE CHANNEL 3.1.1 in clause 27.22.4.28.3

PROACTIVE COMMAND: OPEN CHANNEL 6.2.2

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC Destination device: ME

Bearer

Bearer type: E-UTRAN / mapped UTRAN packet service

QCI 9

Maximum bit rate for uplink: 0 (Subscribed maximum bit rate for uplink)

Maximum bit rate for downlink: 0 (Subscribed maximum bit rate for downlink)

Guaranteed bit rate for uplink: 0 (Use the value indicated by the maximum bit rate for uplink)

Guaranteed bit rate for downlink: 0 (Use the value indicated by the maximum bit rate for downlink)

Maximum bit rate for uplink (extended): 0
Maximum bit rate for downlink (extended): 0
Guaranteed bit rate for uplink (extended): 0
Guaranteed bit rate for downlink (extended): 0
PDN Type: IP

Buffer

Buffer size: 1400 Network access name: Test12.rs

Text String: "UserLog" (User login)
Text String: "UserPwd" (User password)

UICC/ME interface transport level

Transport format: TCP
Port number: 44444
Data destination address 01.01.01.01

Coding:

| BER-TLV: | D0 | 46 | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 81 | 82 | 35 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0B | 0B | 09 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 02 |
| | 39 | 02 | 05 | 78 | 47 | 0A | 06 | 54 | 65 | 73 | 74 | 31 |
| | 32 | 02 | 72 | 73 | 0D | 08 | F4 | 55 | 73 | 65 | 72 | 4C |
| | 6F | 67 | 0D | 08 | F4 | 55 | 73 | 65 | 72 | 50 | 77 | 64 |
| | 3C | 03 | 02 | AD | 9C | 3E | 05 | 21 | 01 | 01 | 01 | 01 |

TERMINAL RESPONSE: OPEN CHANNEL 6.2.2A

same as TERMINAL RESPONSE: OPEN CHANNEL 6.2.1A

TERMINAL RESPONSE: OPEN CHANNEL 6.2.2B

same as TERMINAL RESPONSE: OPEN CHANNEL 6.2.1B

Expected Sequence 6.3 (OPEN CHANNEL, immediate link establishment, E-UTRAN, bearer type '02', with Network Access Name, with alpha identifier)

| Step | Direction | MESSAGE / Action | Comments |
|------|---|--|--|
| 1 | $USER \to ME$ | Set and configure APN "Test12.rs" in the terminal configuration if required | [see initial conditions] |
| 2 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: OPEN CHANNEL 6.3.1 | |
| 3 | $ME \rightarrow UICC$ | FETCH | |
| 4 | $UICC \to ME$ | PROACTIVE COMMAND : OPEN CHANNEL 6.3.1 | |
| 5 | $ME \to USER$ | The terminal shall display the alpha identifier "Open Channel for UICC?" during the confirmation phase | [IF NOT A.1/84 (No display) THEN the terminal shall ignore the alpha identifier] |
| 6 | USER → ME | The user confirms | [IF NOT A.1/85 (No keypad) THEN the terminal may open the channel without explicit confirmation by the user] |
| 7 | $\begin{array}{c} ME \to E- \\ USS \end{array}$ | PDN CONNECTIVITY REQUEST | [The PDN CONNECTIVITY REQUEST shall contain the APN "Test12.rs"] |
| 8 | $USS \to ME$ | ACTIVATE DEFAULT EPS BEARER CONTEXT REQUEST | [The E-UTRAN parameters are used] |
| 8 | $\begin{array}{c} ME \to E- \\ USS \end{array}$ | ACTIVATE DEFAULT EPS BEARER CONTEXT ACCEPT | |
| 9 | $ME \rightarrow UICC$ | TERMINAL RESPONSE : OPEN CHANNEL 6.1.1 | [Command performed successfully] |

PROACTIVE COMMAND: OPEN CHANNEL 6.3.1

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC Destination device: ME

Alpha Identifier: "Open Channel for UICC?"

Bearer

Bearer type: GPRS / UTRAN packet service / E-UTRAN

Precedence Class: 03
Delay Class: 04
Reliability Class: 02
Peak throughput class: 09
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400 Network access name: Test12.rs

Text String: "UserLog" (User login)
Text String: "UserPwd" (User password)

UICC/ME interface transport level

Transport format: TCP
Port number: 44444
Data destination address 01.01.01.01

Coding:

| BER-TLV: | D0 | 5A | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 81 | 82 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 16 | 4F | 70 | 65 | 6E | 20 | 43 | 68 | 61 | 6E | 6E | 65 |
| | 6C | 20 | 66 | 6F | 72 | 20 | 55 | 49 | 43 | 43 | 3F | 35 |
| | 07 | 02 | 03 | 04 | 02 | 09 | 1F | 02 | 39 | 02 | 05 | 78 |
| | 47 | 0A | 06 | 54 | 65 | 73 | 74 | 31 | 32 | 02 | 72 | 73 |
| | 0D | 08 | F4 | 55 | 73 | 65 | 72 | 4C | 6F | 67 | 0D | 80 |
| | F4 | 55 | 73 | 65 | 72 | 50 | 77 | 64 | 3C | 03 | 02 | AD |
| | 9C | 3E | 05 | 21 | 01 | 01 | 01 | 01 | | | | |

Expected Sequence 6.4 (OPEN CHANNEL, immediate link establishment, E-UTRAN, bearer type '03', with alpha identifier, user did not accept the proactive command)

| Step | Direction | MESSAGE / Action | Comments |
|------|-------------------------|---|---|
| 1 | $USER \to ME$ | terminal configuration if required | [see initial conditions] |
| 2 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: OPEN CHANNEL 6.4.1 | |
| 3 | $ME \rightarrow UICC$ | FETCH | |
| 4 | $UICC \to ME$ | PROACTIVE COMMAND : OPEN CHANNEL 6.4.1 | |
| 5 | ME → USER | The terminal shall display the alpha identifier "Open Channel for UICC?" during the confirmation phase | |
| 6 | | The user rejects | |
| 7 | $ME \rightarrow E$ -USS | The terminal shall not send a PDN CONNECTIVITY REQUEST to the network | |
| 8 | $ME \rightarrow UICC$ | TERMINAL RESPONSE : OPEN CHANNEL 6.4.1 | [User did not accept proactive command] |
| 9 | ME → E-USS | The ME shall not send a PDN CONNECTIVITY DISCONNECT REQUEST to the network which would disconnect the default EPS bearer which has been established after the terminal has been powered up. | [Within this period the terminal shall not be switched off] |

PROACTIVE COMMAND: OPEN CHANNEL 6.4.1

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC Destination device: ME

Alpha Identifier: "Open Channel for UICC?"

Bearer

Bearer type: Default bearer for requested transport layer

Buffer

Buffer size: 1400 Network access name: TestGp.rs

Text String: "UserLog" (User login)
Text String: "UserPwd" (User password)

UICC/ME interface transport level

Transport format: TCP, UICC in client mode, remote connection

Port number: 44444
Data destination address 01.01.01.01

Coding:

| BER-TLV: | D0 | 54 | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 81 | 82 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 16 | 4F | 70 | 65 | 6E | 20 | 43 | 68 | 61 | 6E | 6E | 65 |
| | 6C | 20 | 66 | 6F | 72 | 20 | 55 | 49 | 43 | 43 | 3F | 35 |
| | 01 | 03 | 39 | 02 | 05 | 78 | 47 | 0A | 06 | 54 | 65 | 73 |
| | 74 | 47 | 70 | 02 | 72 | 73 | 0D | 80 | F4 | 55 | 73 | 65 |
| | 72 | 4C | 6F | 67 | 0D | 08 | F4 | 55 | 73 | 65 | 72 | 50 |
| | 77 | 64 | 3C | 03 | 02 | AD | 9C | 3E | 05 | 21 | 01 | 01 |
| | 01 | 01 | | | | | | | | | | |

TERMINAL RESPONSE: OPEN CHANNEL 6.4.1

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: User did not accept the proactive command

Bearer description

Bearer type: Default bearer for requested transport layer

Buffer

Buffer size: Because the value depends in this case on the terminal's implementation, it shall be

ignored.

Coding:

| BER-TLV: | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 22 |
|----------|-------|------|---------|----------|---------|--------|----------|---------|--------|-------------|------|----|
| | 35 | 01 | 03 | No | te | | | | | | | |
| | Note: | The | buffer | size TL | V shall | be pre | sent an | d becau | ise th | e value dep | ends | in |
| | | this | case on | the terr | ninal's | impler | nentatio | on, the | value | shall be is | nore | 1. |

Expected Sequence 6.5 (OPEN CHANNEL, immediate link establishment, E-UTRAN, bearer type '03' – Default EPS bearer)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--|----------------------------------|
| 1 | $USER \to ME$ | Set and configure APN "TestGp.rs" in the terminal configuration if required | [see initial conditions] |
| 2 | $UICC \to ME$ | | |
| 3 | $ME \rightarrow UICC$ | FETCH | |
| 4 | $UICC \to ME$ | PROACTIVE COMMAND : OPEN CHANNEL 6.5.1 | |
| 5 | $ME \to USER$ | The ME may display channel opening information | |
| 6 | ME → E- USS | The terminal shall not send a PDN CONNECTIVITY REQUEST to the network | |
| 7 | ME → UICC | TERMINAL RESPONSE : OPEN CHANNEL 6.5.1A or TERMINAL RESPONSE : OPEN CHANNEL 6.5.1B | [Command performed successfully] |

PROACTIVE COMMAND: OPEN CHANNEL 6.5.1

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC Destination device: ME

Bearer

Bearer type: Default bearer for requested transport layer

Buffer

Buffer size: 1400 UICC/ME interface transport level

Transport format: TCP, UICC in client mode, remote connection

Port number: 44444
Data destination address 01.01.01.01

Coding:

| BER-TLV: | D0 | 1C | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 81 | 82 | 35 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 01 | 03 | 39 | 02 | 05 | 78 | 3C | 03 | 02 | AD | 9C | 3E |
| | 05 | 21 | 01 | 01 | 01 | 01 | | | | | | |

TERMINAL RESPONSE: OPEN CHANNEL 6.5.1A

Logically:

Command details

Command number:

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer

Bearer type: Default bearer for requested transport layer

Buffer

Buffer size: 1400

Coding:

| BER-TLV: | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 38 | 02 | 81 | 00 | 35 | 01 | 03 | 39 | 02 | 05 | 78 | |

TERMINAL RESPONSE: OPEN CHANNEL 6.5.1B

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer

Bearer type: E-UTRAN / mapped UTRAN packet service

QCI 9

Maximum bit rate for uplink: 64 kbps
Maximum bit rate for downlink: 64 kbps
Guaranteed bit rate for uplink: 64 kbps
Guaranteed bit rate for downlink: 64 kbps

Maximum bit rate for uplink (extended): 0
Maximum bit rate for downlink (extended): 0
Guaranteed bit rate for uplink (extended): 0
Guaranteed bit rate for downlink (extended): 0
PDN Type: IP

Buffer

Buffer size: 1400

Coding:

| BER-TLV: | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 38 | 02 | 81 | 00 | 35 | 0B | 0B | 09 | 40 | 40 | 40 | 40 |
| | 00 | 00 | 00 | 00 | 02 | 39 | 02 | 05 | 78 | | | |

27.22.4.27.6.5 Test requirement

The ME shall operate in the manner defined in expected sequences 6.1 to 6.5.

27.22.4.28 CLOSE CHANNEL

27.22.4.28.1 CLOSE CHANNEL(normal)

27.22.4.28.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.28.1.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.28.1.3 Test purpose

To verify that the ME shall send a:

- TERMINAL RESPONSE (Command Performed Successfully); or
- TERMINAL RESPONSE (Bearer Independent Protocol Error);

to the UICC after the ME receives the CLOSE CHANNEL proactive command. The TERMINAL RESPONSE sent back to the UICC is function of the ME and the network capabilities against asked parameters by the UICC.

27.22.4.28.1.4 Method of Test

27.22.4.28.1.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS. The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The Channel identifier value used for these tests is set to 1 as an example.

This channel identifier is dependent on the ME's default channel identifier as declared in table A.2/27

The following Bearer Parameters used are those defined in the default Test PDP context for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

27.22.4.28.1.4.2 Procedure

Expected sequence 1.1 (CLOSE CHANNEL, successful)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--|----------------------------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: OPEN CHANNEL 1.1.1 | See initial conditions |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 | |
| 4 | $ME \rightarrow USER$ | The ME may display channel opening information | |
| 5 | $ME \to USS$ | PDP context activation request | |
| 6 | $USS \to ME$ | PDP context activation accept | |
| 7 | ME → UICC | TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B | [Command performed successfully] |
| 8 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: CLOSE CHANNEL 1.1.1 | |
| 9 | $ME \rightarrow UICC$ | FETCH | |
| 10 | $UICC \to ME$ | PROACTIVE COMMAND: CLOSE CHANNEL 1.1.1 | |
| 11 | $ME \to USS$ | PDP context deactivation request | |
| 12 | $USS \to ME$ | PDP context deactivation accept | |
| 13 | $ME \to UICC$ | TERMINAL RESPONSE CLOSE CHANNEL 1.1.1 | [Command performed successfully] |

PROACTIVE COMMAND: OPEN CHANNEL 1.1.1

Logically:

Command details

Command number:

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC

Destination device: ME

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1000 Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level
Transport format: UDP
Port number: 4444

Port number: 44444
Data destination address 01.01.01.01

Coding:

BER-TLV

| D0 | 42 | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 81 | 82 | 35 |
|----|----|----|----|----|----|----|----|----|----|----|----|
| 07 | 02 | 03 | 04 | 03 | 04 | 1F | 02 | 39 | 02 | 03 | E8 |
| 47 | 0A | 06 | 54 | 65 | 73 | 74 | 47 | 70 | 02 | 72 | 73 |
| 0D | 08 | F4 | 55 | 73 | 65 | 72 | 4C | 6F | 67 | 0D | 08 |
| F4 | 55 | 73 | 65 | 72 | 50 | 77 | 64 | 3C | 03 | 01 | AD |
| 9C | 3E | 05 | 21 | 01 | 01 | 01 | 01 | | | | |

TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1000

Coding:

| BER-TLV: | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|-----|----|----|----|----|----|----|----|----|
| ` | 38 | 02 | 81 | 00 | 35 | 07 | 02 | 03 | 04 | 03 | 04 | 1F |
| | 02 | 39 | 02 | 0.3 | F8 | | | | | | | |

TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 00
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1000

Coding:

| BER-TLV: | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 38 | 02 | 81 | 00 | 35 | 07 | 02 | 00 | 04 | 03 | 04 | 1F |
| | 02 | 39 | 02 | 03 | E8 | | | | | | | |

PROACTIVE COMMAND: CLOSE CHANNEL 1.1.1

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1

Coding:

| BER-TLV: | D0 | 09 | 81 | 03 | 01 | 41 | 00 | 82 | 02 | 81 | 21 |
|----------|----|----|----|----|----|----|----|----|----|----|----|

TERMINAL RESPONSE: CLOSE CHANNEL 1.1.1

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 41 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|-----------------|------|----|----------|----|----|----|-----|----|------|----|----------|----|
| D = 1 \ 1 = V \ | , o. | 00 | . | | 00 | | - U | | , o. | | . | |

Expected sequence 1.2 (CLOSE CHANNEL, with an invalid channel identifier)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--------------------------------|----------------------------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | See initial conditions |
| | | PENDING: OPEN CHANNEL | |
| | | 1.1.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: | |
| | | OPEN CHANNEL 1.1.1 | |
| 4 | $ME \rightarrow USER$ | The ME may display channel | |
| | | opening information | |
| 5 | $ME \to USS$ | PDP context activation request | |
| 6 | $USS \to ME$ | PDP context activation accept | |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: OPEN | [Command performed successfully] |
| | | CHANNEL 1.1.1A | |
| | | or | |
| | | TERMINAL RESPONSE: OPEN | |
| | | CHANNEL 1.1.1B | |
| 8 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: CLOSE CHANNEL | |
| | | 1.2.1 | |
| 9 | $ME \rightarrow UICC$ | FETCH | |
| 10 | $UICC \to ME$ | PROACTIVE COMMAND: | |
| | | CLOSE CHANNEL 1.2.1 | |
| 11 | $ME \rightarrow UICC$ | TERMINAL RESPONSE CLOSE | [Invalid channel number] |
| | | CHANNEL 1.2.1 | |

PROACTIVE COMMAND: CLOSE CHANNEL 1.2.1

Logically:

Command details

Command number:

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 2

Coding:

| BER-TLV: | D0 | 09 | 81 | 03 | 01 | 41 | 00 | 82 | 02 | 81 | 22 |
|----------|----|----|----|----|----|----|----|----|----|----|----|

TERMINAL RESPONSE: CLOSE CHANNEL 1.2.1

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Bearer Independent Protocol error Additional Result: Channel identifier not valid

Coding:

| BER-TLV: | 81 | 03 | 01 | 41 | 00 | 82 | 02 | 82 | 81 | 83 | 02 | 3A |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 03 | | | | | | | | | | | |

Expected sequence 1.3 (CLOSE CHANNEL, on an already closed channel)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: OPEN CHANNEL 1.1.1 | See initial conditions |
| 2 | 111L / 0100 | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 | |
| 4 | $ME \rightarrow USER$ | The ME may display channel opening information | |
| 5 | $ME \rightarrow USS$ | PDP context activation request | |
| 6 | $USS \to ME$ | PDP context activation accept | |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN | [Command performed successfully] |
| | | CHANNEL 1.1.1B | |
| 8 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: CLOSE CHANNEL 1.1.1 | |
| 9 | $ME \rightarrow UICC$ | FETCH | |
| 10 | $UICC \to ME$ | PROACTIVE COMMAND: CLOSE CHANNEL 1.1.1 | |
| 11 | $ME \rightarrow USS$ | PDP context deactivation request | |
| 12 | $USS \to ME$ | PDP context deactivation accept | |
| 13 | $ME \rightarrow UICC$ | TERMINAL RESPONSE CLOSE CHANNEL 1.1.1 | [Command performed successfully] |
| 14 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: CLOSE CHANNEL 1.3.1 | |
| 15 | $ME \rightarrow UICC$ | FETCH | |
| 16 | $UICC \to ME$ | PROACTIVE COMMAND: CLOSE CHANNEL 1.3.1 | |
| 17 | ME → UICC | TERMINAL RESPONSE CLOSE CHANNEL 1.3.1A or TERMINAL RESPONSE CLOSE | [Channel closed] [Channel identifier invalid] |
| | | CHANNEL 1.3.1B | |

PROACTIVE COMMAND: CLOSE CHANNEL 1.3.1

Logically:

Command details

Command number:

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1

Coding:

| BER-TLV: | D0 | 09 | 81 | 03 | 01 | 41 | 00 | 82 | 02 | 81 | 21 |
|----------|----|----|----|----|----|----|----|----|----|----|----|

TERMINAL RESPONSE: CLOSE CHANNEL 1.3.1A

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Bearer Independent Protocol error

Additional Result: Channel closed

Coding:

| BER-TLV: | 81 | 03 | 01 | 41 | 00 | 82 | 02 | 82 | 81 | 83 | 02 | 3A |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 02 | | | | | | | | | | | |

TERMINAL RESPONSE: CLOSE CHANNEL 1.3.1B

Logically:

Command details

Command number:

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Bearer Independent Protocol error

Additional Result: Channel identifier invalid

Coding:

| BER-TLV: | 81 | 03 | 01 | 41 | 00 | 82 | 02 | 82 | 81 | 83 | 02 | 3A |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 03 | | | | | | | | | | | |

27.22.4.28.5 Test requirement

The ME shall operate in the manner defined in expected sequences 1.1 to 1.3.

27.22.4.28.2 CLOSE CHANNEL (support of Text Attribute)

27.22.4.28.2.1 CLOSE CHANNEL (support of Text Attribute – Left Alignment)

27.22.4.28.2.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.28.2.1.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.28.2.1.3 Test purpose

To verify that the ME shall display the alpha identifier according to the left alignment text attribute configuration in the CLOSE CHANNEL proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.28.2.1.4 Method of Test

27.22.4.28.2.1.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The channel identifier value used for these tests is set to 1 as an example.

This channel identifier is dependent on the ME"s default channel identifier as declared in table A.2/27.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

27.22.4.28.2.1.4.2 Procedure

Expected sequence 2.1 (CLOSE CHANNEL, with Text Attribute – Left Alignment)

| UICC → ME | Step | Direction | MESSAGE / Action | Comments |
|---|------|-----------------------|---|---|
| 1.1.1 FETCH PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 ME → USSR ME → USS DP context activation request DP context activation accept TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B ME → UICC ME DP context dectivation accept TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B OFEN CHA | 1 | $UICC \to ME$ | | See initial conditions |
| 2 | | | | |
| Section Sec | 2 | MF → UICC | | |
| OPEN CHANNEL 1.1.1 The ME may display channel opening information S ME → USS → ME DPD context activation request PDP context activation accept TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A Or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B ME → UICC → ME PROACTIVE COMMAND PENDING: CLOSE CHANNEL 2.1.1 PDP context deactivation accept TERMINAL RESPONSE CLOSE CHANNEL 2.1.1 ME → UICC UICC → ME PROACTIVE COMMAND: CLOSE CHANNEL 2.1.1 PDP context deactivation accept TERMINAL RESPONSE CLOSE (CHANNEL 2.1.1 ME → UICC TERMINAL RESPONSE CLOSE (CHANNEL 2.1.1 ME → UICC → ME PROACTIVE COMMAND PENDING: OPEN CHANNEL 1.1.1 ME → UICC → ME PROACTIVE COMMAND PENDING: OPEN CHANNEL 1.1.1 ME → UICC → ME PROACTIVE COMMAND OPEN CHANNEL 1.1.1 ME → UICC → ME UICC → ME PROACTIVE COMMAND OPEN CHANNEL 1.1.1 The ME may display channel opening information OPEN CHANNEL 1.1.1 ME → UICC TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B ME → USS → ME USS → ME USC → ME PDP context activation accept TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B ME → UICC TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B ME → USC UICC → ME PROACTIVE COMMAND CHANNEL 1.1.1B ME → USC UICC → ME PROACTIVE COMMAND CHANNEL 1.1.1B ME → UICC TERMINAL RESPONSE: OPEN CHANNEL 2.1.2 ME → UICC TERMINAL RESPONSE: OPEN CHANNEL 2.1.2 ME → UICC → ME PROACTIVE COMMAND CLOSE CHANNEL 2.1.2 ME → UICC → ME PROACTIVE COMMAND CLOSE CHANNEL 2.1.2 ME → UICC → ME PROACTIVE COMMAND CLOSE CHANNEL 2.1.2 ME → UICC → ME PROACTIVE COMMAND CLOSE CHANNEL 2.1.2 ME → UICC → ME PROACTIVE COMMAND CLOSE CHANNEL 2.1.2 ME → UICC → ME PROACTIVE COMMAND CLOSE CHANNEL 2.1.2 ME → UICC → ME PROACTIVE COMMAND CLOSE CHANNEL 2.1.2 ME → UICC → ME PROACTIVE COMMAND CLOSE CHANNEL 2.1.2 ME → UICC → ME PROACTIVE COMMAND CLOSE CHANNEL 2.1.2 ME → UICC → ME PROACTIVE COMMAND CLOSE CHANNEL 2.1.2 ME → UICC → ME PROACTIVE COMMAND CLOSE CHANNEL 2.1.2 ME → UICC → ME PROACTIVE COMMAND CLOSE CHANNEL 2.1.2 ME → UICC → ME PROACTIVE COMMAND CLOSE CHANNEL 2.1.2 ME → UICC → ME COMMANDE CLOSE CHANNEL 2.1.2 ME → UICC → ME COMMANDE CLOSE CHANNEL 2.1.2 M | | | | |
| opening information PDP context activation request PDP context activation accept TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B B UICC → ME PROACTIVE COMMAND PROACTIVE COMMAND: CLOSE CHANNEL 2.1.1 PDP context deactivation accept CHANNEL 1.1.1B PDP context deactivation accept DDP context deactivation accept ME → UICC ME PDP context deactivation accept ME → UICC → ME PDP context deactivation accept ME → UICC → ME PDP context deactivation accept ME → UICC → ME PROACTIVE COMMAND PDP context deactivation accept ME → UICC → ME PROACTIVE COMMAND PRONING: OPEN CHANNEL 1.1.1 ME → UICC → ME PROACTIVE COMMAND PRONING: OPEN CHANNEL 1.1.1 ME → USS ME → UICC ME PROACTIVE COMMAND OPEN CHANNEL 1.1.1 ME → USS ME → UICC TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A Or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B PDP context activation request PDP context activation accept TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B ME → UICC ME PROACTIVE COMMAND PENDING: CLOSE CHANNEL 2.1.2 ME → UICC ME PROACTIVE COMMAND CHANNEL 1.1.1B PROACTIVE COMMAND CHANNEL 1.1.1B ME → UICC ME PROACTIVE COMMAND CHANNEL 1.1.1B ME → UICC TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B ME → UICC TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B ME → UICC TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B ME → UICC TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B ME → UICC TERMINAL RESPONSE CLOSE COMMAND CLOSE CHANNEL 2.1.2 ME → UICC TERMINAL RESPONSE CLOSE COMMAND CLOSE CHANNEL 2.1.2 ME → UICC TERMINAL RESPONSE CLOSE COMMAND CLOSE CHANNEL 2.1.2 ME → UICC TERMINAL RESPONSE CLOSE COMMAND CLOSE CHANNEL 2.1.2 ME → UICC TERMINAL RESPONSE CLOSE COMMAND CLOSE CHANNEL 2.1.2 ME → UICC TERMINAL RESPONSE CLOSE COMMAND CLOSE CHANNEL 2.1.2 ME → UICC TERMINAL RESPONSE CLOSE COMMAND COMMA | | | | |
| S | 4 | $ME \to USER$ | | |
| Object Command performed successfully Command performed successfully | _ | ME 1100 | | |
| TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B PROACTIVE COMMAND PENDING: CLOSE CHANNEL 2.1.1 ME → UICC → ME PROACTIVE COMMAND: CLOSE CHANNEL 2.1.1 USS → ME PDP context deactivation accept TERMINAL RESPONSE CLOSE CHANNEL 2.1.1 UICC → ME PROACTIVE COMMAND: (alignment) WE → UICC → ME PROACTIVE COMMAND: (CLOSE CHANNEL 2.1.1) UICC → ME PROACTIVE COMMAND PENDING: OPEN CHANNEL 1.1.1 ME → UICC → ME PROACTIVE COMMAND: (II.1) ME → UICC → ME PROACTIVE COMMAND: (II.1) ME → UICC → ME PROACTIVE COMMAND: (II.1) ME → UICC → ME PROACTIVE COMMAND: (II.1) ME → UICC → ME PROACTIVE COMMAND: (II.1) ME → UICC → ME PROACTIVE COMMAND: (II.1) ME → UICC → ME PROACTIVE COMMAND: (II.1) ME → UICC → ME PROACTIVE COMMAND: (II.1) ME → UICC → ME PROACTIVE COMMAND: (II.1) ME → UICC → ME PROACTIVE COMMAND: (II.1) ME → UICC → ME PROACTIVE COMMAND: (II.1) ME → UICC → ME PROACTIVE COMMAND: (II.1) ME → UICC → ME PROACTIVE COMMAND: (II.1) ME → UICC → ME PROACTIVE COMMAND (II.1) ME → UICC → ME PROACTIVE COMMAND (II.1) ME → UICC → ME PROACTIVE COMMAND (II.1) ME → UICC → ME PROACTIVE COMMAND (II.1) ME → UICC → ME PROACTIVE COMMAND (II.1) ME → UICC → ME PROACTIVE COMMAND (II.1) ME → UICC → ME PROACTIVE COMMAND (II.1) ME → UICC → ME PROACTIVE COMMAND (II.1) ME → UICC → ME PROACTIVE COMMAND (II.1) ME → UICC → ME PROACTIVE COMMAND (II.1) ME → UICC → ME PROACTIVE COMMAND (II.1) ME → UICC → ME PROACTIVE COMMAND (II.1) ME → UICC → ME PROACTIVE COMMAND (II.1) ME → UICC → ME PROACTIVE COMMAND (II.1) ME → UICC → ME PROACTIVE COMMAND (II.1) ME → UICC → ME (II.1) ME → | | | | |
| CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B PROACTIVE COMMAND PENDING: CLOSE CHANNEL 2.1.1 11 ME → USS 12 USS → ME 13 ME → UICC HANNEL 2.1.1 PDP context deactivation request PDP context deactivation accept CHANNEL 2.1.1 PROACTIVE COMMAND PENDING: OPEN CHANNEL 1.1.1 PDP context deactivation accept CHANNEL 2.1.1 PROACTIVE COMMAND PENDING: OPEN CHANNEL 1.1.1 PROACTIVE COMMAND PENDING: OPEN CHANNEL 1.1.1 PROACTIVE COMMAND PENDING: OPEN CHANNEL 1.1.1 PROACTIVE COMMAND PENDING: OPEN CHANNEL 1.1.1 PETCH PROACTIVE COMMAND PENDING: OPEN CHANNEL 1.1.1 PETCH PROACTIVE COMMAND OPEN CHANNEL 1.1.1 PETCH PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 COPEN CHANNEL 1.1.1 PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 PROACTIVE COMMAND: OPEN CHANNEL 1.1.1A OR TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A OR TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B PROACTIVE COMMAND PENDING: CLOSE CHANNEL 2.1.2 ME → UICC ME → UICC ME → UICC UICC → ME PROACTIVE COMMAND: CLOSE CHANNEL 2.1.2 ME → UICC TERMINAL RESPONSE: OPEN CHANNEL 1.1.12 [Message shall be formatted without left alignment is the ME's default alignment as declared in table A.2/20, no alignment change will take place] USS → ME USS → ME TERMINAL RESPONSE CLOSE COMMAND PENDING: CLOSE CHANNEL 2.1.2 ME → UICC TERMINAL RESPONSE CLOSE COMMAND PENDING: CLOSE CHANNEL 2.1.2 ME → UICC TERMINAL RESPONSE CLOSE COMMAND PENDING: CLOSE CHANNEL 2.1.2 ME → UICC TERMINAL RESPONSE CLOSE COMMAND PENDING: CLOSE CHANNEL 2.1.2 ME → UICC TERMINAL RESPONSE CLOSE COMMAND PENDING: CLOSE CHANNEL 2.1.2 ME → UICC TERMINAL RESPONSE COMMAND PENDING: CLOSE CHANNEL 2.1.2 ME → UICC TERMINAL RESPONSE COMMAND PENDING: CLOSE CHANNEL 2.1.2 ME → UICC TERMINAL RESPONSE COMMAND PENDING: CLOSE CHANNEL 2.1.2 ME → UICC TERMINAL RESPONSE COMMAND PENDING: CLOSE CHANNEL 2.1.2 ME → UICC TERMINAL RESPONSE COMMAND COMMAND COMMAND COMMAND COMMAND A.2/20, no alignment change will take place] COMMAND COMMAND COMMAND COMMAND | | | | [Command performed successfully] |
| TERMINAL RESPONSE: OPEN CHANNEL 1.1.1 A DPD context deactivation request PPO CHANNEL 1.1.1 The ME may display channel opening information PPD context activation request PDP context activation request PDP context deactivation request PDP context deactivation accept TERMINAL RESPONSE CLOSE CHANNEL 1.1.1 The ME may display channel opening information PDP context activation accept TERMINAL RESPONSE: OPEN CHANNEL 1.1.1 The ME may display channel opening information PDP context activation accept TERMINAL RESPONSE: OPEN CHANNEL 1.1.1 The ME may display channel opening information PDP context activation accept TERMINAL RESPONSE: OPEN CHANNEL 1.1.1 A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1 A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1 B PROACTIVE COMMAND PENDING: CLOSE CHANNEL 2.1.2 [ME → UICC → ME OF TERMINAL RESPONSE: OPEN CHANNEL 1.1.1 B PROACTIVE COMMAND PENDING: CLOSE CHANNEL 2.1.2 [ME → UICC → ME OF TERMINAL RESPONSE: OPEN CHANNEL 2.1.2 [ME → UICC → ME OF TERMINAL RESPONSE: OPEN CHANNEL 2.1.2 [ME → UICC → ME OF TERMINAL RESPONSE: OPEN CHANNEL 2.1.2 [ME → UICC → ME OF TERMINAL RESPONSE CLOSE (ME → UICC → ME OF TERMINAL RESPONSE CLOSE (Command performed successfully)] | ' | WIL | | [Command ponomica successionity] |
| 10 UICC → ME | 8 | $UICC \to ME$ | TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B PROACTIVE COMMAND PENDING: CLOSE CHANNEL | |
| 10 UICC → ME | a | ME VIICC | FETCH | |
| CLOSE CHANNEL 2.1.1 PDP context deactivation request | | | | [alpha identifier is displayed with left |
| request PDP context deactivation accept TERMINAL RESPONSE CLOSE CHANNEL 2.1.1 PROACTIVE COMMAND PENDING: OPEN CHANNEL 1.1.1 ME → UICC ME → UICC → ME ME → USER ME → USER ME → USS ME → USS ME → USS ME → USS ME → USS ME → USS ME → USS ME → UICC ME → UI | | | CLOSE CHANNEL 2.1.1 | |
| 12 USS → ME 13 ME → UICC 14 UICC → ME 15 ME → UICC 16 UICC → ME 17 ME → USS 18 ME → USS 19 USS → ME 20 ME → UICC 21 UICC → ME 22 ME → UICC 23 UICC → ME 24 ME → USS 25 USS → ME 26 ME → UICC 27 UICC → ME 28 ME → UICC 28 ME → UICC 29 ME → UICC 20 ME → UICC 20 ME → UICC 21 UICC → ME 22 ME → UICC 23 UICC → ME 24 ME → USS 25 USS → ME 26 ME → UICC 27 UICC → ME 28 ME → UICC 29 UICC → ME 20 ME → UICC 20 ME → UICC 21 UICC → ME 22 ME → UICC 23 UICC → ME 24 ME → USS 25 USS → ME 26 ME → UICC 27 UICC → ME 28 ME → UICC 29 UICC → ME 20 ME → UICC 20 ME → UICC 21 UICC → ME 22 ME → UICC 23 UICC → ME 24 ME → USS 25 USS → ME 26 ME → UICC 27 UICC → ME 28 ME → UICC 29 Context deactivation request PDP context deactivation request PDP context deactivation request PDP context deactivation request PDP context deactivation request PDP context deactivation accept TERMINAL RESPONSE CLOSE [Command performed successfully] | 11 | $ME \rightarrow USS$ | | |
| 13 ME → UICC 14 UICC → ME PROACTIVE COMMAND PENDING: OPEN CHANNEL 1.1.1 15 ME → UICC 16 UICC → ME PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 The ME may display channel opening information PDP context activation request USS → ME 20 ME → UICC → ME ME → UICC ME → | 12 | USS → ME | | |
| UICC → ME CHANNEL 2.1.1 PROACTIVE COMMAND PENDING: OPEN CHANNEL 1.1.1 FETCH PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 The ME → USER ME → USER ME → USS ME ME → UICC ME UICC → ME ME → UICC ME UICC → ME ME → UICC ME UICC → ME ME → UICC ME ME → USS ME PDP context deactivation request CHANNEL 2.1.2 ME → UICC ME ME → USS ME PDP context deactivation request CHANNEL 2.1.2 ME → USS ME → UICC ME → UICC ME ME → USS ME PDP context deactivation request CHANNEL 2.1.2 ME → UICC ME → UICC ME → UICC ME → UICC ME → UICC ME → USS ME → UICC ME → USS ME → UICC ME → UICC ME → USS ME → UICC | | | | [Command performed successfully] |
| PENDING: OPEN CHANNEL 1.1.1 FETCH PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 The ME may display channel opening information PDP context activation request PDP context activation accept TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B PROACTIVE COMMAND PENDING: CLOSE CHANNEL 2.1.2 ME → UICC | | | | , , , |
| 15 ME → UICC 16 UICC → ME 17 ME → USER 18 ME → USS 19 USS → ME 20 ME → UICC 21 UICC → ME 21 UICC → ME 22 ME → UICC 23 UICC → ME 24 ME → USS 25 USS → ME 26 ME → UICC 26 ME → UICC 27 UICC → ME 28 ME → UICC 29 UICC → ME 20 ME → UICC 20 ME → UICC 21 UICC → ME 22 ME → UICC 23 UICC → ME 24 ME → USS 25 USS → ME 26 ME → UICC 27 UICC → ME 28 ME → UICC 29 UICC → ME 20 ME → UICC 20 ME → UICC 21 UICC → ME 22 ME → UICC 23 UICC → ME 24 ME → USS 25 USS → ME 26 ME → UICC 27 UICC → ME 28 ME → UICC 29 DP context deactivation request PDP context deactivation request PDP context deactivation accept TERMINAL RESPONSE CLOSE (Command performed successfully) [Message shall be formatted without left alignment. Remark: If left alignment is the ME"s default alignment as declared in table A.2/20, no alignment change will take place] [Command performed successfully] | 14 | UICC → ME | PENDING: OPEN CHANNEL | |
| 16 UICC → ME 17 ME → USER 18 ME → USS 19 USS → ME 20 ME → UICC 21 UICC → ME 22 ME → UICC 23 UICC → ME 24 ME → USS 25 USS → ME 26 ME → UICC 26 USS → ME 27 UICC → ME 28 PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 The ME may display channel opening information PDP context activation request PDP context activation accept TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B PROACTIVE COMMAND PENDING: CLOSE CHANNEL 2.1.2 FETCH PROACTIVE COMMAND: CLOSE CHANNEL 2.1.2 [Message shall be formatted without left alignment. Remark: If left alignment is the ME"s default alignment as declared in table A.2/20, no alignment change will take place] 24 ME → USS 25 USS → ME 26 ME → UICC TERMINAL RESPONSE CLOSE [Command performed successfully] | 15 | $ME \rightarrow UICC$ | | |
| 17 ME → USER 18 ME → USS 19 USS → ME 20 ME → UICC 21 UICC → ME 22 ME → UICC 23 UICC → ME 24 ME → USS 25 USS → ME 26 ME → UICC 26 UICS → ME 27 UICC 28 ME → UICC 29 ME → UICC 20 ME → UICC 20 ME → UICC 21 UICC → ME 22 ME → UICC 23 UICC → ME 24 ME → USS 25 USS → ME 26 ME → UICC 27 DP Context deactivation accept TERMINAL RESPONSE: OPEN CHANNEL 1.1.2 28 ME → UICC 29 ME → UICC 20 ME → UICC 21 DP Context deactivation request PDP context deactivation request PDP context deactivation accept TERMINAL RESPONSE CLOSE CHANNEL 2.1.2 26 ME → UICC 27 ME → UICC 28 DP Context deactivation request PDP context deactivation request PDP context deactivation accept TERMINAL RESPONSE CLOSE [Command performed successfully] | 16 | | PROACTIVE COMMAND: | |
| opening information PDP context activation request PDP context activation accept TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B PROACTIVE COMMAND PENDING: CLOSE CHANNEL 2.1.2 ME → UICC | 47 | | | |
| 18 19 20 ME → USS USS → ME ME → UICC ME → UICC 10 ME → UICC ME → UICC 11 ME → UICC | 17 | $ME \rightarrow USER$ | | |
| 19 USS → ME ME → UICC TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B PROACTIVE COMMAND PENDING: CLOSE CHANNEL 2.1.2 22 ME → UICC → ME PROACTIVE COMMAND: CLOSE CHANNEL 2.1.2 23 UICC → ME PROACTIVE COMMAND: CLOSE CHANNEL 2.1.2 24 ME → USS → ME DDP context deactivation request PDP context deactivation accept TERMINAL RESPONSE CLOSE [Command performed successfully] | 18 | $ME \to USS$ | | |
| CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B PROACTIVE COMMAND PENDING: CLOSE CHANNEL 2.1.2 FETCH PROACTIVE COMMAND: CLOSE CHANNEL 2.1.2 ME → UICC ME → USS ME → USS ME → USS ME → USS ME → USS ME → USS ME → USS ME → USS ME → UICC TERMINAL RESPONSE CLOSE CHANNEL 2.1.2 [Message shall be formatted without left alignment. Remark: If left alignment is the ME"s default alignment as declared in table A.2/20, no alignment change will take place] CHANNEL 1.1.1A OR TERMINAL RESPONSE CLOSE [Command performed successfully] | 19 | | | |
| or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B PROACTIVE COMMAND PENDING: CLOSE CHANNEL 2.1.2 FETCH PROACTIVE COMMAND: CLOSE CHANNEL 2.1.2 [Message shall be formatted without left alignment. Remark: If left alignment is the ME"s default alignment as declared in table A.2/20, no alignment change will take place] WE → USS WE → USS PDP context deactivation request PDP context deactivation accept TERMINAL RESPONSE CLOSE Command performed successfully] | 20 | $ME \to UICC$ | | [Command performed successfully] |
| TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B PROACTIVE COMMAND PENDING: CLOSE CHANNEL 2.1.2 FETCH PROACTIVE COMMAND: CLOSE CHANNEL 2.1.2 ME → UICC TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B PROACTIVE COMMAND [Message shall be formatted without left alignment. Remark: If left alignment is the ME"s default alignment as declared in table A.2/20, no alignment change will take place] ME → USS TERMINAL RESPONSE CLOSE COmmand performed successfully] | | | | |
| UICC → ME CHANNEL 1.1.1B PROACTIVE COMMAND PENDING: CLOSE CHANNEL 2.1.2 FETCH PROACTIVE COMMAND: CLOSE CHANNEL 2.1.2 [Message shall be formatted without left alignment. Remark: If left alignment is the ME"s default alignment as declared in table A.2/20, no alignment change will take place] VISS → ME USS → ME ME → UICC UICC → ME PDP context deactivation request PDP context deactivation accept TERMINAL RESPONSE CLOSE [Command performed successfully] | | | | |
| PENDING: CLOSE CHANNEL 2.1.2 ME → UICC UICC → ME PROACTIVE COMMAND: CLOSE CHANNEL 2.1.2 [Message shall be formatted without left alignment. Remark: If left alignment is the ME"s default alignment as declared in table A.2/20, no alignment change will take place] PENDING: CLOSE CHANNEL 2.1.2 [Message shall be formatted without left alignment. Remark: If left alignment is the ME"s default alignment as declared in table A.2/20, no alignment change will take place] USS → ME PDP context deactivation accept TERMINAL RESPONSE CLOSE [Command performed successfully] | | | | |
| 22 ME → UICC FETCH 23 UICC → ME PROACTIVE COMMAND: CLOSE CHANNEL 2.1.2 [Message shall be formatted without left alignment. Remark: If left alignment is the ME"s default alignment as declared in table A.2/20, no alignment change will take place] 24 ME → USS → ME PDP context deactivation request PDP context deactivation accept TERMINAL RESPONSE CLOSE [Command performed successfully] | 21 | $UICC \to ME$ | | |
| 22 ME → UICC FETCH 23 VICC → ME PROACTIVE COMMAND: CLOSE CHANNEL 2.1.2 [Message shall be formatted without left alignment. Remark: If left alignment is the ME"s default alignment as declared in table A.2/20, no alignment change will take place] 24 ME → USS → ME PDP context deactivation request PDP context deactivation accept TERMINAL RESPONSE CLOSE [Command performed successfully] | | | | |
| UICC → ME PROACTIVE COMMAND: CLOSE CHANNEL 2.1.2 [Message shall be formatted without left alignment. Remark: If left alignment is the ME"s default alignment as declared in table A.2/20, no alignment change will take place] PDP context deactivation request PDP context deactivation accept ME → UICC TERMINAL RESPONSE CLOSE [Command performed successfully] | 22 | ME → UICC | | |
| 24 ME → USS PDP context deactivation request 25 USS → ME PDP context deactivation accept 26 ME → UICC TERMINAL RESPONSE CLOSE [Command performed successfully] | | | | alignment. Remark: If left alignment is the ME"s default alignment as declared in table |
| request USS → ME PDP context deactivation accept ME → UICC TERMINAL RESPONSE CLOSE [Command performed successfully] | 24 | $ME \to USS$ | PDP context deactivation | - 1.2.25, no anginnont origing will take place] |
| 26 ME → UICC TERMINAL RESPONSE CLOSE [Command performed successfully] | | | | |
| | | | · · | 10 |
| | 26 | $ME \rightarrow UICC$ | CHANNEL 2.1.1 | [Command performed successfully] |

PROACTIVE COMMAND: CLOSE CHANNEL 2.1.1

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: UICC Destination device: Channel 1

Alpha Identifier "Close ID 1"

Text Attribute

Formatting position: 0 Formatting length: 10

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 1B | 81 | 03 | 01 | 41 | 00 | 82 | 02 | 81 | 21 |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| | 85 | 0A | 43 | 6C | 6F | 73 | 65 | 20 | 49 | 44 | 20 |
| | 31 | D0 | 04 | 00 | 0A | 00 | B4 | | | | |

PROACTIVE COMMAND: CLOSE CHANNEL 2.1.2

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: UICC Destination device: Channel 1

Alpha Identifier "Close ID 2"

Coding:

| BER-TLV: | D0 | 15 | 81 | 03 | 01 | 41 | 00 | 82 | 02 | 81 | 21 |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| | 85 | 0A | 43 | 6C | 6F | 73 | 65 | 20 | 49 | 44 | 20 |
| | 32 | | | | | | | | | | |

TERMINAL RESPONSE: CLOSE CHANNEL 2.1.1

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: 81 03 01 41 00 82 02 82 81 83 01 0 |
|---|
|---|

27.22.4.28.2.1.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 2.1.

27.22.4.28.2.2 CLOSE CHANNEL (support of Text Attribute – Center Alignment)

27.22.4.28.2.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.28.2.2.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.28.2.2.3 Test purpose

To verify that the ME shall display the alpha identifier according to the center alignment text attribute configuration in the CLOSE CHANNEL proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.28.2.2.4 Method of Test

27.22.4.28.2.2.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The channel identifier value used for these tests is set to 1 as an example.

This channel identifier is dependent on the ME"s default channel identifier as declared in table A.2/27.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

27.22.4.28.2.2.4.2 Procedure

Expected sequence 2.2 (CLOSE CHANNEL, with Text Attribute – Center Alignment)

| Step | Direction | MESSAGE / Action | Comments |
|----------|--|--|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | See initial conditions |
| | | PENDING: OPEN CHANNEL | |
| 2 | ME → UICC | 1.1.1 FETCH | |
| 3 | | PROACTIVE COMMAND: | |
| | OIOO / IVIL | OPEN CHANNEL 1.1.1 | |
| 4 | $ME \rightarrow USER$ | The ME may display channel | |
| _ | ME LIGO | opening information | |
| 5 6 | $ME \to USS$ $USS \to ME$ | PDP context activation request PDP context activation accept | |
| 7 | ME → UICC | TERMINAL RESPONSE: OPEN | [Command performed successfully] |
| | WE 7 0100 | CHANNEL 1.1.1A | [command ponomica decederany] |
| | | or | |
| | | TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B | |
| 8 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | 0.00 / 11.12 | PENDING: CLOSE CHANNEL | |
| | | 2.2.1 | |
| 9 | , 0.00 | FETCH | Falada a interesti anti- di antana di conte |
| 10 | $UICC \to ME$ | PROACTIVE COMMAND: CLOSE CHANNEL 2.2.1 | [alpha identifier is displayed with center alignment] |
| 11 | $ME \to USS$ | PDP context deactivation | angrinentj |
| | | request | |
| 12 | $USS \to ME$ | PDP context deactivation accept | |
| 13 | $ME \rightarrow UICC$ | | [Command performed successfully] |
| 14 | $UICC \to ME$ | CHANNEL 2.2.1 PROACTIVE COMMAND | |
| | OIGG / IVIL | PENDING: OPEN CHANNEL | |
| | | 1.1.1 | |
| 15 | / 0.00 | FETCH | |
| 16 | $UICC \to ME$ | PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 | |
| 17 | ME → USER | The ME may display channel | |
| | | opening information | |
| 18 | ME → USS | PDP context activation request | |
| 19 20 | $\begin{array}{c} USS \to ME \\ ME \to UICC \end{array}$ | PDP context activation accept TERMINAL RESPONSE: OPEN | [Command performed successfully] |
| 20 | ME → UICC | CHANNEL 1.1.1A | [Command performed successfully] |
| | | or | |
| | | TERMINAL RESPONSE: OPEN | |
| 24 | LUCC ME | CHANNEL 1.1.1B | |
| 21 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: CLOSE CHANNEL | |
| | | 2.2.2 | |
| 22 | | FETCH | |
| 23 | $UICC \to ME$ | PROACTIVE COMMAND: | [Message shall be formatted without center |
| | | CLOSE CHANNEL 2.2.2 | alignment. Remark: If center alignment is the ME"s default alignment as declared in table |
| | | | A.2/20, no alignment change will take place] |
| 24 | $ME \to USS$ | PDP context deactivation | |
| 0.5 | | request | |
| 25 26 | USS → ME | PDP context deactivation accept | [Command performed successfully] |
| 20 | $ME \rightarrow UICC$ | | [Command performed successfully] |
| | | CHANNEL 2.2.1 | · , , , , , , , , , , , , , , , , , , , |

PROACTIVE COMMAND: CLOSE CHANNEL 2.2.1

Logically:

Command details

Command number:

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: UICC Destination device: Channel 1

Alpha Identifier "Close ID 1"

Text Attribute

Formatting position: 0 Formatting length: 10

Formatting mode: Center Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 1B | 81 | 03 | 01 | 41 | 00 | 82 | 02 | 81 | 21 |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| | 85 | 0A | 43 | 6C | 6F | 73 | 65 | 20 | 49 | 44 | 20 |
| | 31 | D0 | 04 | 00 | 0A | 01 | B4 | | | | |

PROACTIVE COMMAND: CLOSE CHANNEL 2.2.2

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: UICC Destination device: Channel 1

Alpha Identifier "Close ID 2"

Coding:

| BER-TLV: | D0 | 15 | 81 | 03 | 01 | 41 | 00 | 82 | 02 | 81 | 21 |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| | 85 | 0A | 43 | 6C | 6F | 73 | 65 | 20 | 49 | 44 | 20 |
| | 32 | | | | | | | | | | |

TERMINAL RESPONSE: CLOSE CHANNEL 2.2.1

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 41 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

27.22.4.28.2.2.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 2.2.

27.22.4.28.2.3 CLOSE CHANNEL (support of Text Attribute – Right Alignment)

27.22.4.28.2.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.28.2.3.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.28.2.3.3 Test purpose

To verify that the ME shall display the alpha identifier according to the right alignment text attribute configuration in the CLOSE CHANNEL proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.28.2.3.4 Method of Test

27.22.4.28.2.3.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The channel identifier value used for these tests is set to 1 as an example.

This channel identifier is dependent on the ME"s default channel identifier as declared in table A.2/27.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

27.22.4.28.2.3.4.2 Procedure

Expected sequence 2.3 (CLOSE CHANNEL, with Text Attribute – Right Alignment)

| Step | Direction | MESSAGE / Action | Comments |
|----------|---|---|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: | See initial conditions |
| | | OPEN CHANNEL 1.1.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: | |
| | | OPEN CHANNEL 1.1.1 | |
| 4 | $ME \rightarrow USER$ | The ME may display channel opening | |
| _ | | information | |
| 5 | $ME \rightarrow USS$ | PDP context activation request | |
| 6 | USS → ME | PDP context activation accept | |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: OPEN | [Command performed successfully] |
| | | CHANNEL 1.1.1A or | |
| | | TERMINAL RESPONSE: OPEN | |
| | | CHANNEL 1.1.1B | |
| 8 | UICC → ME | PROACTIVE COMMAND PENDING: | |
| | 0.00 7 | CLOSE CHANNEL 2.3.1 | |
| 9 | $ME \rightarrow UICC$ | FETCH | |
| 10 | $UICC \to ME$ | PROACTIVE COMMAND: CLOSE | [alpha identifier is displayed with right |
| | | CHANNEL 2.3.1 | alignment] |
| 11 | $ME \to USS$ | PDP context deactivation request | |
| 12 | $USS \to ME$ | PDP context deactivation accept | |
| 13 | $ME \rightarrow UICC$ | TERMINAL RESPONSE CLOSE | [Command performed successfully] |
| | | CHANNEL 2.3.1 | |
| 14 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: | |
| 15 | ME LUCC | OPEN CHANNEL 1.1.1 FETCH | |
| 16 | $ME \rightarrow UICC$ $UICC \rightarrow ME$ | PROACTIVE COMMAND: | |
| 10 | | OPEN CHANNEL 1.1.1 | |
| 17 | $ME \rightarrow USER$ | The ME may display channel opening | |
| | , 001.1 | information | |
| 18 | $ME \to USS$ | PDP context activation request | |
| 19 | $USS \to ME$ | PDP context activation accept | |
| 20 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: OPEN | [Command performed successfully] |
| | | CHANNEL 1.1.1A | |
| | | or | |
| | | TERMINAL RESPONSE: OPEN ICHANNEL 1.1.1B | |
| 21 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: | |
| 21 | | CLOSE CHANNEL 2.3.2 | |
| 22 | ME → UICC | FETCH | |
| 23 | , 0.00 | PROACTIVE COMMAND: CLOSE | [Message shall be formatted without right |
| | 0.00 / 11.12 | CHANNEL 2.3.2 | alignment. Remark: If right alignment is |
| | | | the ME"s default alignment as declared |
| 1 | | | in table A.2/20, no alignment change will |
| 1 | | | take place] |
| 24 | $ME \rightarrow USS$ | PDP context deactivation request | |
| 25 | $USS \to ME$ | PDP context deactivation accept | |
| 26 | $ME \rightarrow UICC$ | TERMINAL RESPONSE CLOSE | [Command performed successfully] |
| <u> </u> | | CHANNEL 2.3.1 | |

PROACTIVE COMMAND: CLOSE CHANNEL 2.3.1

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: UICC Destination device: Channel 1

Alpha Identifier "Close ID 1"

Text Attribute

Formatting position: 0 Formatting length: 10

Formatting mode: Right Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 1B | 81 | 03 | 01 | 41 | 00 | 82 | 02 | 81 | 21 |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| | 85 | 0A | 43 | 6C | 6F | 73 | 65 | 20 | 49 | 44 | 20 |
| | 31 | D0 | 04 | 00 | 0A | 02 | B4 | | | | |

PROACTIVE COMMAND: CLOSE CHANNEL 2.3.2

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: UICC Destination device: Channel 1

Alpha Identifier "Close ID 2"

Coding:

| BER-TLV: | D0 | 15 | 81 | 03 | 01 | 41 | 00 | 82 | 02 | 81 | 21 |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| | 85 | 0A | 43 | 6C | 6F | 73 | 65 | 20 | 49 | 44 | 20 |
| | 32 | | | | | | | | | | |

TERMINAL RESPONSE: CLOSE CHANNEL 2.3.1

Logically:

Command details

Command number:

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: 81 03 01 41 | 00 82 | 02 82 | 81 | 83 | 01 | 00 |
|----------------------|-------|-------|----|----|----|----|
|----------------------|-------|-------|----|----|----|----|

27.22.4.28.2.3.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 2.3.

27.22.4.28.2.4 CLOSE CHANNEL (support of Text Attribute – Large Font Size)

27.22.4.28.2.4.1 Definition and applicability

See clause 3.2.2.

27.22.4.28.2.4.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.28.2.4.3 Test purpose

To verify that the ME shall display the alpha identifier according to the large font size text attribute configuration in the CLOSE CHANNEL proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.28.2.4.4 Method of Test

27.22.4.28.2.4.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The channel identifier value used for these tests is set to 1 as an example.

This channel identifier is dependent on the ME"s default channel identifier as declared in table A.2/27.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

27.22.4.28.2.4.4.2 Procedure

Expected sequence 2.4 (CLOSE CHANNEL, with Text Attribute – Large Font Size)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------------|--|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | See initial conditions |
| | ME | PENDING: OPEN CHANNEL 1.1.1 | |
| 2 | $ME \to UICC$ $UICC \to ME$ | FETCH PROACTIVE COMMAND: | |
| 3 | UICC → IVIE | OPEN CHANNEL 1.1.1 | |
| 4 | $ME \rightarrow USER$ | The ME may display channel | |
| | | opening information | |
| 5 | $ME \to USS$ | PDP context activation request | |
| 6 | $USS \to ME$ | PDP context activation accept | |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: OPEN | [Command performed successfully] |
| | | CHANNEL 1.1.1A lor | |
| | | TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B | |
| 8 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | 0.00 / III. | PENDING: CLOSE CHANNEL | |
| | | 2.4.1 | |
| 9 | / 0.00 | FETCH | |
| 10 | $UICC \to ME$ | PROACTIVE COMMAND: CLOSE CHANNEL 2.4.1 | [alpha identifier is displayed with large font size] |
| 11 | $ME \to USS$ | PDP context deactivation request | SIZE |
| 12 | USS → ME | PDP context deactivation accept | |
| 13 | $ME \rightarrow UICC$ | TERMINAL RESPONSE CLOSE | [Command performed successfully] |
| | | CHANNEL 2.4.1 | |
| 14 | $UICC \to ME$ | PROACTIVE COMMAND | |
| 15 | ME LUCC | PENDING: OPEN CHANNEL 1.1.1 FETCH | |
| 16 | $ME \to UICC$ $UICC \to ME$ | PROACTIVE COMMAND: | |
| 10 | OICC → IVIE | OPEN CHANNEL 1.1.1 | |
| 17 | $ME \to USER$ | The ME may display channel | |
| | | opening information | |
| 18 | $ME \rightarrow USS$ | PDP context deactivation request | |
| 19 | USS → ME | PDP context deactivation accept | 10 |
| 20 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A | [Command performed successfully] |
| | | or | |
| | | TERMINAL RESPONSE: OPEN | |
| | | CHANNEL 1.1.1B | |
| 21 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: CLOSE CHANNEL 2.4.2 | |
| 22 | $ME \to UICC$ | FETCH | |
| 23 | $UICC \rightarrow ME$ | PROACTIVE COMMAND: CLOSE | [alpha identifier is displayed with normal font |
| | | CHANNEL 2.4.2 | size] |
| 24 | $ME \rightarrow USS$ | PDP context deactivation request | |
| 25 | USS → ME | PDP context deactivation accept | [Commond nonformed access (!!] |
| 26 | $ME \rightarrow UICC$ | TERMINAL RESPONSE CLOSE CHANNEL 2.4.1 | [Command performed successfully] |
| 27 | $UICC \to ME$ | PROACTIVE COMMAND | |
| - | JIGO / IVIL | PENDING: OPEN CHANNEL 1.1.1 | |
| 28 | $ME \to UICC$ | FETCH | |
| 29 | $UICC \to ME$ | PROACTIVE COMMAND: | |
| 20 | ME LIGES | OPEN CHANNEL 1.1.1 | |
| 30 | $ME \rightarrow USER$ | The ME may display channel opening information | |
| 31 | $ME \to USS$ | PDP context activation request | |
| 32 | USS → ME | PDP context activation accept | |
| 33 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: OPEN | [Command performed successfully] |
| | | CHANNEL 1.1.1A | |
| | | Or TERMINIAL RESPONSE: OREN | |
| | | TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B | |
| i l | 1 | OI WARRE I.I.ID | ! |

| 34 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: CLOSE CHANNEL 2.4.1 | |
|----|-----------------------|---|---|
| 35 | ME → UICC | FETCH | |
| 36 | UICC → ME | PROACTIVE COMMAND: CLOSE CHANNEL 2.4.1 | [alpha identifier is displayed with large font size] |
| 37 | $ME \rightarrow USS$ | PDP context deactivation request | |
| 38 | $USS \to ME$ | PDP context deactivation accept | |
| 39 | $ME \rightarrow UICC$ | TERMINAL RESPONSE CLOSE CHANNEL 2.4.1 | [Command performed successfully] |
| 40 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: OPEN CHANNEL 1.1.1 | |
| 41 | $ME \rightarrow UICC$ | FETCH | |
| 42 | $UICC \to ME$ | PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 | |
| 43 | $ME \rightarrow USER$ | The ME may display channel opening information | |
| 44 | $ME \to USS$ | PDP context activation request | |
| 45 | $USS \to ME$ | PDP context activation accept | |
| 46 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A | [Command performed successfully] |
| 47 | $UICC \to ME$ | or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B PROACTIVE COMMAND PENDING: CLOSE CHANNEL 2.4.3 | |
| 48 | $ME \rightarrow UICC$ | FETCH | |
| 49 | $UICC \to ME$ | PROACTIVE COMMAND: CLOSE CHANNEL 2.4.3 | [alpha identifier is displayed with normal font size] |
| 50 | $ME \rightarrow USS$ | PDP context deactivation request | |
| 51 | $USS \to ME$ | PDP context deactivation accept | |
| 52 | $ME \rightarrow UICC$ | TERMINAL RESPONSE CLOSE CHANNEL 2.4.1 | [Command performed successfully] |

PROACTIVE COMMAND: CLOSE CHANNEL 2.4.1

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: UICC Destination device: Channel 1

Alpha Identifier "Close ID 1"

Text Attribute

Formatting position: 0 Formatting length: 10

Formatting mode: Left Alignment, Large Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 1B | 81 | 03 | 01 | 41 | 00 | 82 | 02 | 81 | 21 |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| | 85 | 0A | 43 | 6C | 6F | 73 | 65 | 20 | 49 | 44 | 20 |
| | 31 | D0 | 04 | 00 | 0A | 04 | B4 | | | | |

PROACTIVE COMMAND: CLOSE CHANNEL 2.4.2

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: UICC Destination device: Channel 1

Alpha Identifier "Close ID 2"

Text Attribute

Formatting position: 0 Formatting length: 10

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 1B | 81 | 03 | 01 | 41 | 00 | 82 | 02 | 81 | 21 |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| | 85 | 0A | 43 | 6C | 6F | 73 | 65 | 20 | 49 | 44 | 20 |
| | 32 | D0 | 04 | 00 | 0A | 00 | B4 | | | | |

PROACTIVE COMMAND: CLOSE CHANNEL 2.4.3

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: UICC Destination device: Channel 1

Alpha Identifier "Close ID 3"

Coding:

| BER-TLV: | D0 | 15 | 81 | 03 | 01 | 41 | 00 | 82 | 02 | 81 | 21 |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| _ | 85 | 0A | 43 | 6C | 6F | 73 | 65 | 20 | 49 | 44 | 20 |
| | 33 | | | | | | | | | | |

TERMINAL RESPONSE: CLOSE CHANNEL 2.4.1

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| В | BER-TLV: | 81 | 03 | 01 | 41 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 | ١ |
|---|----------|----|----|----|----|----|----|----|----|----|----|----|----|---|
|---|----------|----|----|----|----|----|----|----|----|----|----|----|----|---|

27.22.4.28.2.4.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 2.4.

27.22.4.28.2.5 CLOSE CHANNEL (support of Text Attribute – Small Font Size)

27.22.4.28.2.5.1 Definition and applicability

See clause 3.2.2.

27.22.4.28.2.5.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.28.2.5.3 Test purpose

To verify that the ME shall display the alpha identifier according to the small font size text attribute configuration in the CLOSE CHANNEL proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.28.2.5.4 Method of Test

27.22.4.28.2.5.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The channel identifier value used for these tests is set to 1 as an example.

This channel identifier is dependent on the ME"s default channel identifier as declared in table A.2/27.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

27.22.4.28.2.5.4.2 Procedure

Expected sequence 2.5 (CLOSE CHANNEL, with Text Attribute – Small Font Size)

| Step | Direction | MESSAGE / Action | Comments |
|------|---|--|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | See initial conditions |
| | ME | PENDING: OPEN CHANNEL 1.1.1 | |
| 2 | $ME \rightarrow UICC$ $UICC \rightarrow ME$ | FETCH PROACTIVE COMMAND: | |
| 3 | OICC → IVIE | OPEN CHANNEL 1.1.1 | |
| 4 | $ME \rightarrow USER$ | The ME may display channel | |
| | | opening information | |
| 5 | $ME \rightarrow USS$ | PDP context activation request | |
| 6 | $USS \to ME$ | PDP context activation accept | |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A | [Command performed successfully] |
| | | or | |
| | | TERMINAL RESPONSE: OPEN | |
| 8 | $UICC \to ME$ | CHANNEL 1.1.1B PROACTIVE COMMAND | |
| | OIOO / IVIL | PENDING: CLOSE CHANNEL | |
| | | 2.5.1 | |
| 9 | $ME \rightarrow UICC$ | FETCH | |
| 10 | $UICC \to ME$ | PROACTIVE COMMAND: CLOSE | [alpha identifier is displayed with small font |
| 11 | ME 	o USS | CHANNEL 2.5.1 PDP context deactivation request | size] |
| 12 | USS → ME | PDP context deactivation request | |
| 13 | ME → UICC | TERMINAL RESPONSE CLOSE | [Command performed successfully] |
| | , olog | CHANNEL 2.5.1 | [command ponomica decoderany] |
| 14 | $UICC \to ME$ | PROACTIVE COMMAND | |
| 4 | | PENDING: OPEN CHANNEL 1.1.1 | |
| 15 | ME → UICC | FETCH | |
| 16 | $UICC \to ME$ | PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 | |
| 17 | $ME \rightarrow USER$ | The ME may display channel | |
| | , 552 | opening information | |
| 18 | $ME \to USS$ | PDP context activation request | |
| 19 | $USS \to ME$ | PDP context activation accept | |
| 20 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: OPEN | [Command performed successfully] |
| | | CHANNEL 1.1.1A lor | |
| | | TERMINAL RESPONSE: OPEN | |
| | | CHANNEL 1.1.1B | |
| 21 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: CLOSE CHANNEL | |
| 22 | ME → UICC | 2.5.2 FETCH | |
| 23 | UICC → ME | PROACTIVE COMMAND: CLOSE | [alpha identifier is displayed with normal font |
| | 3.00 / 11.2 | CHANNEL 2.5.2 | size] |
| 24 | $ME \to USS$ | PDP context deactivation request | |
| 25 | $USS \to ME$ | PDP context deactivation accept | |
| 26 | $ME \rightarrow UICC$ | TERMINAL RESPONSE CLOSE | [Command performed successfully] |
| 27 | $UICC \to ME$ | CHANNEL 2.5.1 PROACTIVE COMMAND | |
| -1 | | PENDING: OPEN CHANNEL 1.1.1 | |
| 28 | $ME \to UICC$ | FETCH | |
| 29 | $UICC \to ME$ | PROACTIVE COMMAND: | |
| | | OPEN CHANNEL 1.1.1 | |
| 30 | $ME \rightarrow USER$ | The ME may display channel opening information | |
| 31 | $ME \to USS$ | PDP context activation request | |
| 32 | USS → ME | PDP context activation request | |
| 33 | ME → UICC | TERMINAL RESPONSE: OPEN | [Command performed successfully] |
| | | CHANNEL 1.1.1A | |
| | | or | |
| | | TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B | |
| I | I | OUNINEE I.I.ID | I |

| 34 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: CLOSE CHANNEL 2.5.1 | |
|----|-----------------------|---|---|
| 35 | ME → UICC | FETCH | |
| 36 | UICC → ME | PROACTIVE COMMAND: CLOSE CHANNEL 2.5.1 | [alpha identifier is displayed with small font size] |
| 37 | $ME \rightarrow USS$ | PDP context deactivation request | |
| 38 | $USS \to ME$ | PDP context deactivation accept | |
| 39 | $ME \rightarrow UICC$ | TERMINAL RESPONSE CLOSE CHANNEL 2.5.1 | [Command performed successfully] |
| 40 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: OPEN CHANNEL 1.1.1 | |
| 41 | $ME \rightarrow UICC$ | FETCH | |
| 42 | $UICC \to ME$ | PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 | |
| 43 | $ME \rightarrow USER$ | The ME may display channel opening information | |
| 44 | $ME \to USS$ | PDP context activation request | |
| 45 | $USS \to ME$ | PDP context activation accept | |
| 46 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A | [Command performed successfully] |
| 47 | UICC → ME | or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B PROACTIVE COMMAND PENDING: CLOSE CHANNEL 2.5.3 | |
| 48 | $ME \rightarrow UICC$ | FETCH | |
| 49 | $UICC \to ME$ | PROACTIVE COMMAND: CLOSE CHANNEL 2.5.3 | [alpha identifier is displayed with normal font size] |
| 50 | $ME \rightarrow USS$ | PDP context deactivation request | |
| 51 | $USS \to ME$ | PDP context deactivation accept | |
| 52 | ME → UICC | TERMINAL RESPONSE CLOSE CHANNEL 2.5.1 | [Command performed successfully] |

PROACTIVE COMMAND: CLOSE CHANNEL 2.5.1

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: UICC Destination device: Channel 1

Alpha Identifier "Close ID 1"

Text Attribute

Formatting position: 0 Formatting length: 10

Formatting mode: Left Alignment, Small Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 1B | 81 | 03 | 01 | 41 | 00 | 82 | 02 | 81 | 21 |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| | 85 | 0A | 43 | 6C | 6F | 73 | 65 | 20 | 49 | 44 | 20 |
| | 31 | D0 | 04 | 00 | 0A | 08 | B4 | | | | |

PROACTIVE COMMAND: CLOSE CHANNEL 2.5.2

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: UICC Destination device: Channel 1

Alpha Identifier "Close ID 2"

Text Attribute

Formatting position: 0 Formatting length: 10

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 1B | 81 | 03 | 01 | 41 | 00 | 82 | 02 | 81 | 21 |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| | 85 | 0A | 43 | 6C | 6F | 73 | 65 | 20 | 49 | 44 | 20 |
| | 32 | D0 | 04 | 00 | 0A | 00 | B4 | | | | |

PROACTIVE COMMAND: CLOSE CHANNEL 2.5.3

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: UICC Destination device: Channel 1

Alpha Identifier "Close ID 3"

Coding:

| BER-TLV: | D0 | 15 | 81 | 03 | 01 | 41 | 00 | 82 | 02 | 81 | 21 |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| _ | 85 | 0A | 43 | 6C | 6F | 73 | 65 | 20 | 49 | 44 | 20 |
| | 33 | | | | | | | | | | |

TERMINAL RESPONSE: CLOSE CHANNEL 2.5.1

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

27.22.4.28.2.5.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 2.5.

27.22.4.28.2.6 CLOSE CHANNEL (support of Text Attribute – Bold On)

27.22.4.28.2.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.28.2.6.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.28.2.6.3 Test purpose

To verify that the ME shall display the alpha identifier according to the bold text attribute configuration in the CLOSE CHANNEL proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.28.2.6.4 Method of Test

27.22.4.28.2.6.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The channel identifier value used for these tests is set to 1 as an example.

This channel identifier is dependent on the ME"s default channel identifier as declared in table A.2/27.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

27.22.4.28.2.6.4.2 Procedure

Expected sequence 2.6 (CLOSE CHANNEL, with Text Attribute – Bold On)

| Step | Direction | MESSAGE / Action | Comments |
|----------|---|--|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | See initial conditions |
| | ME LUGG | PENDING: OPEN CHANNEL 1.1.1 | |
| 2 | $ME \rightarrow UICC$ $UICC \rightarrow ME$ | FETCH PROACTIVE COMMAND: | |
| 3 | UICC → ME | OPEN CHANNEL 1.1.1 | |
| 4 | $ME \rightarrow USER$ | The ME may display channel | |
| | | opening information | |
| 5 | | PDP context activation request | |
| 6 | | PDP context activation accept | |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: OPEN | [Command performed successfully] |
| | | CHANNEL 1.1.1A lor | |
| | | TERMINAL RESPONSE: OPEN | |
| 8 | $UICC \to ME$ | CHANNEL 1.1.1B PROACTIVE COMMAND | |
| | OICC - IVIL | PENDING: CLOSE CHANNEL | |
| | | 2.6.1 | |
| 9 | , 0.00 | FETCH | |
| 10 | $UICC \to ME$ | PROACTIVE COMMAND: CLOSE | [alpha identifier is displayed with bold on] |
| 11 | $ME \to USS$ | CHANNEL 2.6.1 PDP context deactivation request | |
| 12 | $USS \rightarrow ME$ | PDP context deactivation request | |
| 13 | $ME \rightarrow UICC$ | TERMINAL RESPONSE CLOSE | [Command performed successfully] |
| | | CHANNEL 2.6.1 | |
| 14 | $UICC \to ME$ | PROACTIVE COMMAND | |
| 15 | $ME \rightarrow UICC$ | PENDING: OPEN CHANNEL 1.1.1 FETCH | |
| 16 | $UICC \rightarrow ME$ | PROACTIVE COMMAND: | |
| | 0100 7 WIL | OPEN CHANNEL 1.1.1 | |
| 17 | $ME \to USER$ | The ME may display channel | |
| 10 | ME | opening information | |
| 18 19 | $ME \to USS \\ USS \to ME$ | PDP context activation request PDP context activation accept | |
| 20 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: OPEN | [Command performed successfully] |
| | | CHANNEL 1.1.1A | [Command performed desceeding,] |
| | | or | |
| | | TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B | |
| 21 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | OIOO IVIL | PENDING: CLOSE CHANNEL | |
| | | 2.6.2 | |
| 22 | | FETCH | |
| 23 | $UICC \to ME$ | PROACTIVE COMMAND: CLOSE | [alpha identifier is displayed with bold off] |
| 24 | $ME \to USS$ | CHANNEL 2.6.2 PDP context deactivation request | |
| 25 | $USS \rightarrow ME$ | PDP context deactivation request | |
| 26 | ME → UICC | TERMINAL RESPONSE CLOSE | [Command performed successfully] |
| | | CHANNEL 2.6.1 | - ' |
| 27 | $UICC \to ME$ | PROACTIVE COMMAND | |
| 28 | $ME \to UICC$ | PENDING: OPEN CHANNEL 1.1.1 FETCH | |
| 29 | $UICC \rightarrow ME$ | PROACTIVE COMMAND: | |
| | | OPEN CHANNEL 1.1.1 | |
| 30 | $ME \to USER$ | The ME may display channel | |
| 31 | ME LIGO | opening information PDP context activation request | |
| 32 | $ME \to USS$ $USS \to ME$ | PDP context activation request | |
| 33 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: OPEN | [Command performed successfully] |
| | / 0.00 | CHANNEL 1.1.1A | [|
| | | or | |
| | | TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B | |
| 1 | | CHANNEL I.I.ID | l l |

| 34 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: CLOSE CHANNEL 2.6.1 | |
|----|-----------------------|---|---|
| 35 | ME → UICC | FETCH | |
| 36 | UICC → ME | PROACTIVE COMMAND: CLOSE CHANNEL 2.6.1 | [alpha identifier is displayed with bold on] |
| 37 | $ME \rightarrow USS$ | PDP context deactivation request | |
| 38 | $USS \to ME$ | PDP context deactivation accept | |
| 39 | $ME \rightarrow UICC$ | TERMINAL RESPONSE CLOSE CHANNEL 2.6.1 | [Command performed successfully] |
| 40 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: OPEN CHANNEL 1.1.1 | |
| 41 | $ME \rightarrow UICC$ | FETCH | |
| 42 | $UICC \to ME$ | PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 | |
| 43 | $ME \rightarrow USER$ | The ME may display channel opening information | |
| 44 | $ME \to USS$ | PDP context activation request | |
| 45 | $USS \to ME$ | PDP context activation accept | |
| 46 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A | [Command performed successfully] |
| 47 | $UICC \to ME$ | or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B PROACTIVE COMMAND PENDING: CLOSE CHANNEL 2.6.3 | |
| 48 | ME → UICC | FETCH | |
| 49 | UICC → ME | PROACTIVE COMMAND: CLOSE | [alpha identifier is displayed with bold off] |
| | | CHANNEL 2.6.3 | |
| 50 | $ME \to USS$ | PDP context deactivation request | |
| 51 | $USS \to ME$ | PDP context deactivation accept | |
| 52 | $ME \rightarrow UICC$ | TERMINAL RESPONSE CLOSE CHANNEL 2.6.1 | [Command performed successfully] |

PROACTIVE COMMAND: CLOSE CHANNEL 2.6.1

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: UICC Destination device: Channel 1

Alpha Identifier "Close ID 1"

Text Attribute

Formatting position: 0 Formatting length: 10

Formatting mode: Left Alignment, Normal Font, Bold On, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 1B | 81 | 03 | 01 | 41 | 00 | 82 | 02 | 81 | 21 |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| | 85 | 0A | 43 | 6C | 6F | 73 | 65 | 20 | 49 | 44 | 20 |
| | 31 | D0 | 04 | 00 | 0A | 10 | B4 | | | | |

PROACTIVE COMMAND: CLOSE CHANNEL 2.6.2

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: UICC Destination device: Channel 1

Alpha Identifier "Close ID 2"

Text Attribute

Formatting position: 0 Formatting length: 10

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 1B | 81 | 03 | 01 | 41 | 00 | 82 | 02 | 81 | 21 |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| | 85 | 0A | 43 | 6C | 6F | 73 | 65 | 20 | 49 | 44 | 20 |
| | 32 | D0 | 04 | 00 | 0A | 00 | B4 | | | | |

PROACTIVE COMMAND: CLOSE CHANNEL 2.6.3

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: UICC Destination device: Channel 1

Alpha Identifier "Close ID 3"

Coding:

| BER-TLV: | D0 | 15 | 81 | 03 | 01 | 41 | 00 | 82 | 02 | 81 | 21 |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| | 85 | 0A | 43 | 6C | 6F | 73 | 65 | 20 | 49 | 44 | 20 |
| | 33 | | | | | | | | | | |

TERMINAL RESPONSE: CLOSE CHANNEL 2.6.1

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

27.22.4.28.2.6.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 2.6.

27.22.4.28.2.7 CLOSE CHANNEL (support of Text Attribute – Italic On)

27.22.4.28.2.7.1 Definition and applicability

See clause 3.2.2.

27.22.4.28.2.7.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.28.2.7.3 Test purpose

To verify that the ME shall display the alpha identifier according to the italic text attribute configuration in the CLOSE CHANNEL proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.28.2.7.4 Method of Test

27.22.4.28.2.7.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The channel identifier value used for these tests is set to 1 as an example.

This channel identifier is dependent on the ME"s default channel identifier as declared in table A.2/27.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

27.22.4.28.2.7.4.2 Procedure

Expected sequence 2.7 (CLOSE CHANNEL, with Text Attribute – Italic On)

| Step | Direction | MESSAGE / Action | Comments |
|----------|--|--|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | See initial conditions |
| | NE :::00 | PENDING: OPEN CHANNEL 1.1.1 | |
| 2 | $ME \to UICC$ $UICC \to ME$ | FETCH PROACTIVE COMMAND: | |
| 3 | UICC → ME | OPEN CHANNEL 1.1.1 | |
| 4 | $ME \rightarrow USER$ | The ME may display channel | |
| | | opening information | |
| 5 | ME → USS | PDP context activation request | |
| 6 | USS → ME | PDP context activation accept | IO-managed and an artist and a second at the I |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A | [Command performed successfully] |
| | | or | |
| | | TERMINAL RESPONSE: OPEN | |
| | | CHANNEL 1.1.1B | |
| 8 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: CLOSE CHANNEL | |
| | | 2.7.1 | |
| 9 | $ME \to UICC$ | FETCH | |
| 10 | $UICC \to ME$ | PROACTIVE COMMAND: CLOSE | [alpha identifier is displayed with bold on] |
| | ME 1:00 | CHANNEL 2.7.1 | |
| 11 | | PDP context deactivation request PDP context deactivation accept | |
| 12 13 | $\begin{array}{c} USS \to ME \\ ME \to UICC \end{array}$ | TERMINAL RESPONSE CLOSE | [Command performed successfully] |
| 13 | IVIE → UICC | CHANNEL 2.7.1 | [Command performed successfully] |
| 14 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: OPEN CHANNEL 1.1.1 | |
| 15 | ME → UICC | FETCH | |
| 16 | $UICC \to ME$ | PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 | |
| 17 | $ME \rightarrow USER$ | The ME may display channel | |
| | | opening information | |
| 18 | | PDP context activation request | |
| 19 | USS → ME | PDP context activation accept | |
| 20 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A | [Command performed successfully] |
| | | or | |
| | | TERMINAL RESPONSE: OPEN | |
| | | CHANNEL 1.1.1B | |
| 21 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: CLOSE CHANNEL 2.6.2 | |
| 22 | $ME \to UICC$ | FETCH | |
| 23 | $UICC \rightarrow ME$ | PROACTIVE COMMAND: CLOSE | [alpha identifier is displayed with bold off] |
| | | CHANNEL 2.7.2 | |
| 24 | ME → USS | PDP context deactivation request | |
| 25 26 | $\begin{array}{c} USS \to ME \\ ME \to UICC \end{array}$ | PDP context deactivation accept TERMINAL RESPONSE CLOSE | [Command performed successfully] |
| 20 | IVIL -> UICC | CHANNEL 2.7.1 | [Sommand ponomied successfully] |
| 27 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: OPEN CHANNEL 1.1.1 | |
| 28 | ME → UICC | FETCH | |
| 29 | $UICC \to ME$ | PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 | |
| 30 | $ME \rightarrow USER$ | The ME may display channel | |
| | | opening information | |
| 31 | ME → USS | PDP context activation request | |
| 32 | USS → ME | PDP context activation accept | [Command parformed consecutive] |
| 33 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A | [Command performed successfully] |
| | | or | |
| | | TERMINAL RESPONSE: OPEN | |
| | | CHANNEL 1.1.1B | |

| 34 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: CLOSE CHANNEL 2.7.1 | |
|----------|-----------------------|---|---|
| 35 | ME → UICC | FETCH | |
| 36 | UICC → ME | PROACTIVE COMMAND: CLOSE | [alpha identifier is displayed with bold on] |
| | | CHANNEL 2.7.1 | |
| 37 | $ME \rightarrow USS$ | PDP context deactivation request | |
| 38 | $USS \to ME$ | PDP context deactivation accept | |
| 39 | $ME \rightarrow UICC$ | TERMINAL RESPONSE CLOSE | [Command performed successfully] |
| 40 | UICC → ME | CHANNEL 2.7.1 PROACTIVE COMMAND | |
| 40 | OICC → IVIE | PENDING: OPEN CHANNEL 1.1.1 | |
| 41 | ME → UICC | FETCH | |
| 42 | $UICC \to ME$ | PROACTIVE COMMAND: | |
| | | OPEN CHANNEL 1.1.1 | |
| 43 | $ME \rightarrow USER$ | The ME may display channel | |
| 4.4 | NAT 1100 | opening information | |
| 44 45 | ME → USS | PDP context activation request | |
| 45 | USS → ME | PDP context activation accept TERMINAL RESPONSE: OPEN | [Command parformed augocastully] |
| 46 | $ME \rightarrow UICC$ | CHANNEL 1.1.1A | [Command performed successfully] |
| | | or | |
| | | TERMINAL RESPONSE: OPEN | |
| | | CHANNEL 1.1.1B | |
| 47 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: CLOSE CHANNEL | |
| 48 | ME → UICC | 2.7.3 FETCH | |
| 49 | UICC → ME | PROACTIVE COMMAND: CLOSE | [alpha identifier is displayed with bold off] |
| 73 | | CHANNEL 2.7.3 | [alpha lachtiner is displayed with bold oil] |
| 50 | $ME \rightarrow USS$ | PDP context deactivation request | |
| 51 | $USS \to ME$ | PDP context deactivation accept | |
| 52 | $ME \rightarrow UICC$ | TERMINAL RESPONSE CLOSE | [Command performed successfully] |
| | | CHANNEL 2.7.1 | |

PROACTIVE COMMAND: CLOSE CHANNEL 2.7.1

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: UICC Destination device: Channel 1

Alpha Identifier "Close ID 1"

Text Attribute

Formatting position: 0 Formatting length: 10

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic On, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 1B | 81 | 03 | 01 | 41 | 00 | 82 | 02 | 81 | 21 |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| | 85 | 0A | 43 | 6C | 6F | 73 | 65 | 20 | 49 | 44 | 20 |
| | 31 | D0 | 04 | 00 | 0A | 20 | B4 | | | | |

PROACTIVE COMMAND: CLOSE CHANNEL 2.7.2

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: UICC Destination device:Channel 1

Alpha Identifier "Close ID 2"

Text Attribute

Formatting position: 0 Formatting length: 10

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 1B | 81 | 03 | 01 | 41 | 00 | 82 | 02 | 81 | 21 |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| | 85 | 0A | 43 | 6C | 6F | 73 | 65 | 20 | 49 | 44 | 20 |
| | 32 | D0 | 04 | 00 | 0A | 00 | B4 | | | | |

PROACTIVE COMMAND: CLOSE CHANNEL 2.7.3

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: UICC Destination device: Channel 1

Alpha Identifier "Close ID 3"

Coding:

| BER-TLV: | D0 | 15 | 81 | 03 | 01 | 41 | 00 | 82 | 02 | 81 | 21 |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| _ | 85 | 0A | 43 | 6C | 6F | 73 | 65 | 20 | 49 | 44 | 20 |
| | 33 | | | | | | | | | | |

TERMINAL RESPONSE: CLOSE CHANNEL 2.7.1

Logically:

Command details

Command number:

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| | | BER-TLV: | 81 | 03 | 01 | 41 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|--|--|----------|----|----|----|----|----|----|----|----|----|----|----|----|
|--|--|----------|----|----|----|----|----|----|----|----|----|----|----|----|

27.22.4.28.2.7.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 2.7.

27.22.4.28.2.8 CLOSE CHANNEL (support of Text Attribute – Underline On)

27.22.4.28.2.8.1 Definition and applicability

See clause 3.2.2.

27.22.4.28.2.8.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.28.2.8.3 Test purpose

To verify that the ME shall display the alpha identifier according to the underline text attribute configuration in the CLOSE CHANNEL proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.28.2.8.4 Method of Test

27.22.4.28.2.8.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The channel identifier value used for these tests is set to 1 as an example.

This channel identifier is dependent on the ME"s default channel identifier as declared in table A.2/27.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

27.22.4.28.2.8.4.2 Procedure

Expected sequence 2.8 (CLOSE CHANNEL, with Text Attribute – Underline On)

| Step | Direction | MESSAGE / Action | Comments |
|----------|--|--|--|
| 1 | $UICC \to ME$ | | See initial conditions |
| | | PROACTIVE COMMAND | |
| 2 | ME LUCC | PENDING: OPEN CHANNEL 1.1.1 FETCH | |
| 2 | $ME \to UICC$ $UICC \to ME$ | PROACTIVE COMMAND: | |
| 3 | UICC → IVIE | OPEN CHANNEL 1.1.1 | |
| 4 | $ME \rightarrow USER$ | | |
| | | opening information | |
| 5 | $ME \rightarrow USS$ | PDP context activation request | |
| 6 | USS → ME | PDP context activation accept | |
| / | $ME \rightarrow UICC$ | TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A | [Command performed successfully] |
| | | or | |
| | | TERMINAL RESPONSE: OPEN | |
| _ | | CHANNEL 1.1.1B | |
| 8 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: CLOSE CHANNEL 2.8.1 | |
| 9 | ME → UICC | FETCH | |
| 10 | $UICC \to ME$ | PROACTIVE COMMAND: CLOSE | [alpha identifier is displayed with underline on] |
| | | CHANNEL 2.8.1 | |
| 11 | | PDP context deactivation request | |
| 12 13 | $\begin{array}{c} USS \to ME \\ ME \to UICC \end{array}$ | PDP context deactivation accept TERMINAL RESPONSE CLOSE | [Command performed successfully] |
| 13 | INE → OICC | CHANNEL 2.8.1 | [Command performed successfully] |
| 14 | $UICC \to ME$ | | |
| | | PROACTIVE COMMAND | |
| 15 | ME LUCC | PENDING: OPEN CHANNEL 1.1.1 FETCH | |
| 16 | $ME \to UICC$ $UICC \to ME$ | PROACTIVE COMMAND: | |
| 10 | | OPEN CHANNEL 1.1.1 | |
| 17 | $ME \rightarrow USER$ | The ME may display channel | |
| 40 | | opening information | |
| 18 19 | ME → USS | PDP context activation request PDP context activation accept | |
| 20 | $\begin{array}{c} USS \to ME \\ ME \to UICC \end{array}$ | TERMINAL RESPONSE: OPEN | [Command performed successfully] |
| 20 | IVIL -> OICC | CHANNEL 1.1.1A | [Command performed successfully] |
| | | or | |
| | | TERMINAL RESPONSE: OPEN | |
| 21 | $UICC \to ME$ | CHANNEL 1.1.1B PROACTIVE COMMAND | |
| - | | PENDING: CLOSE CHANNEL | |
| | | 2.8.2 | |
| 22 | $ME \rightarrow UICC$ | FETCH | |
| 23 | $UICC \to ME$ | PROACTIVE COMMAND: CLOSE CHANNEL 2.8.2 | [alpha identifier is displayed with underline off] |
| 24 | $ME \to USS$ | PDP context deactivation request | |
| 25 | USS → ME | PDP context deactivation accept | |
| 26 | $ME \rightarrow UICC$ | TERMINAL RESPONSE CLOSE | [Command performed successfully] |
| | | CHANNEL 2.8.1 | |
| 27 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: OPEN CHANNEL 1.1.1 | |
| 28 | $ME \rightarrow UICC$ | FETCH | |
| 29 | $UICC \to ME$ | PROACTIVE COMMAND: | |
| | ME | OPEN CHANNEL 1.1.1 | |
| 30 | $ME \rightarrow USER$ | The ME may display channel opening information | |
| 31 | $ME \rightarrow USS$ | PDP context activation request | |
| 32 | $USS \to ME$ | PDP context activation accept | |

| 33 | $ME \to UICC$ | TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A | [Command performed successfully] |
|----|-----------------------|---|--|
| 34 | $UICC \to ME$ | or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B PROACTIVE COMMAND PENDING: CLOSE CHANNEL 2.8.1 | |
| 35 | ME → UICC | FETCH | |
| 36 | UICC → ME | PROACTIVE COMMAND: CLOSE CHANNEL 2.8.1 | [alpha identifier is displayed with underline on] |
| 37 | $ME \rightarrow USS$ | PDP context deactivation request | |
| 38 | $USS \to ME$ | PDP context deactivation accept | |
| 39 | ME → UICC | TERMINAL RESPONSE CLOSE CHANNEL 2.8.1 | [Command performed successfully] |
| 40 | $UICC \to ME$ | DDC A CTIV /F COLANA A ND | |
| | | PROACTIVE COMMAND PENDING: OPEN CHANNEL 1.1.1 | |
| 41 | ME → UICC | FETCH | |
| 42 | $UICC \to ME$ | PROACTIVE COMMAND: | |
| | | OPEN CHANNEL 1.1.1 | |
| 43 | $ME \rightarrow USER$ | The ME may display channel opening information | |
| 44 | $ME \to USS$ | PDP context activation request | |
| 45 | USS → ME | PDP context activation accept | |
| 46 | ME → UICC | TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A | [Command performed successfully] |
| | | or | |
| | | TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B | |
| 47 | UICC → ME | PROACTIVE COMMAND | |
| '' | 0.00 /2 | PENDING: CLOSE CHANNEL | |
| 40 | | 2.8.3 | |
| 48 | ME → UICC | FETCH | |
| 49 | $UICC \to ME$ | PROACTIVE COMMAND: CLOSE CHANNEL 2.8.3 | [alpha identifier is displayed with underline off] |
| 50 | $ME \rightarrow USS$ | PDP context deactivation request | |
| 51 | $USS \to ME$ | PDP context deactivation accept | |
| 52 | $ME \rightarrow UICC$ | TERMINAL RESPONSE CLOSE CHANNEL 2.8.1 | [Command performed successfully] |

PROACTIVE COMMAND: CLOSE CHANNEL 2.8.1

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: UICC Destination device: Channel 1

Alpha Identifier "Close ID 1"

Text Attribute

Formatting position: 0 Formatting length: 10

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline On,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 1B | 81 | 03 | 01 | 41 | 00 | 82 | 02 | 81 | 21 |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| | 85 | 0A | 43 | 6C | 6F | 73 | 65 | 20 | 49 | 44 | 20 |
| | 31 | D0 | 04 | 00 | 0A | 40 | B4 | | | | |

PROACTIVE COMMAND: CLOSE CHANNEL 2.8.2

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: UICC Destination device: Channel 1

Alpha Identifier "Close ID 2"

Text Attribute

Formatting position: 0 Formatting length: 10

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 1B | 81 | 03 | 01 | 41 | 00 | 82 | 02 | 81 | 21 |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| | 85 | 0A | 43 | 6C | 6F | 73 | 65 | 20 | 49 | 44 | 20 |
| | 32 | D0 | 04 | 00 | 0A | 00 | B4 | | | | |

PROACTIVE COMMAND: CLOSE CHANNEL 2.8.3

Logically:

Command details

Command number:

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: UICC Destination device: Channel 1

Alpha Identifier "Close ID 3"

Coding:

| BER-TLV: | D0 | 15 | 81 | 03 | 01 | 41 | 00 | 82 | 02 | 81 | 21 |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| | 85 | 0A | 43 | 6C | 6F | 73 | 65 | 20 | 49 | 44 | 20 |
| | 33 | | | | | | | | | | |

TERMINAL RESPONSE: CLOSE CHANNEL 2.8.1

Logically:

Command details

Command number:

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 41 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

27.22.4.28.2.8.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 2.8.

27.22.4.28.2.9 CLOSE CHANNEL (support of Text Attribute – Strikethrough On)

27.22.4.28.2.9.1 Definition and applicability

See clause 3.2.2.

27.22.4.28.2.9.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.28.2.9.3 Test purpose

To verify that the ME shall display the alpha identifier according to the strikethrough text attribute configuration in the CLOSE CHANNEL proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.28.2.9.4 Method of Test

27.22.4.28.2.9.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The channel identifier value used for these tests is set to 1 as an example.

This channel identifier is dependent on the ME"s default channel identifier as declared in table A.2/27.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

27.22.4.28.2.9.4.2 Procedure

Expected sequence 2.9 (CLOSE CHANNEL, with Text Attribute – Strikethrough On)

| Step | Direction | MESSAGE / Action | Comments |
|----------|-----------------------------|---|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | See initial conditions |
| | ME | PENDING: OPEN CHANNEL 1.1.1 | |
| 2 | $ME \to UICC$ $UICC \to ME$ | FETCH PROACTIVE COMMAND: | |
| 3 | UICC → IVIE | OPEN CHANNEL 1.1.1 | |
| 4 | $ME \rightarrow USER$ | The ME may display channel | |
| | | opening information | |
| 5 | $ME \rightarrow USS$ | PDP context activation request | |
| 6 | $USS \to ME$ | PDP context activation accept | |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: OPEN | [Command performed successfully] |
| | | CHANNEL 1.1.1A lor | |
| | | TERMINAL RESPONSE: OPEN | |
| | | CHANNEL 1.1.1B | |
| 8 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: CLOSE CHANNEL 2.9.1 | |
| 9 | ME → UICC | FETCH | |
| 10 | UICC → ME | PROACTIVE COMMAND: CLOSE | [alpha identifier is displayed with strikethrough |
| | | CHANNEL 2.9.1 | on] |
| 11 | | PDP context deactivation request | |
| 12 | $USS \to ME$ | PDP context deactivation accept | |
| 13 | $ME \rightarrow UICC$ | TERMINAL RESPONSE CLOSE | [Command performed successfully] |
| 14 | UICC → ME | CHANNEL 2.9.1 PROACTIVE COMMAND | |
| '- | | PENDING: OPEN CHANNEL 1.1.1 | |
| 15 | $ME \rightarrow UICC$ | FETCH | |
| 16 | $UICC \to ME$ | PROACTIVE COMMAND: | |
| 1 | | OPEN CHANNEL 1.1.1 | |
| 17 | $ME \rightarrow USER$ | The ME may display channel | |
| 18 | $ME \to USS$ | opening information PDP context activation request | |
| 19 | USS → ME | PDP context activation accept | |
| 20 | ME → UICC | TERMINAL RESPONSE: OPEN | [Command performed successfully] |
| | | CHANNEL 1.1.1A | |
| | | or | |
| | | TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B | |
| 21 | UICC → ME | PROACTIVE COMMAND | |
| | 0.00 /2 | PENDING: CLOSE CHANNEL | |
| | | 2.9.2 | |
| 22 | $ME \rightarrow UICC$ | FETCH | |
| 23 | $UICC \to ME$ | PROACTIVE COMMAND: CLOSE | [alpha identifier is displayed with strikethrough |
| 24 | $ME \to USS$ | CHANNEL 2.9.2 PDP context deactivation request | off] |
| 25 | USS → ME | PDP context deactivation accept | |
| 26 | ME → UICC | TERMINAL RESPONSE CLOSE | [Command performed successfully] |
| | | CHANNEL 2.9.1 | |
| 27 | $UICC \to ME$ | PROACTIVE COMMAND | |
| 28 | ME → UICC | PENDING: OPEN CHANNEL 1.1.1 FETCH | |
| 29 | $UICC \to ME$ | PROACTIVE COMMAND: | |
| 23 | | OPEN CHANNEL 1.1.1 | |
| 30 | $ME \rightarrow USER$ | The ME may display channel | |
| | | opening information | |
| 31 | ME → USS | PDP context activation request | |
| 32 33 | USS → ME | PDP context activation accept TERMINAL RESPONSE: OPEN | [Command performed successfully] |
| 33 | $ME \rightarrow UICC$ | CHANNEL 1.1.1A | [Command performed successfully] |
| | | or | |
| | | TERMINAL RESPONSE: OPEN | |
| 1 | l | CHANNEL 1.1.1B | |

| 34 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: CLOSE CHANNEL 2.9.1 | |
|----|-----------------------|---|--|
| 35 | ME → UICC | FETCH | |
| 36 | UICC → ME | PROACTIVE COMMAND: CLOSE CHANNEL 2.9.1 | [alpha identifier is displayed with strikethrough on] |
| 37 | $ME \rightarrow USS$ | PDP context deactivation request | |
| 38 | $USS \to ME$ | PDP context deactivation accept | |
| 39 | $ME \rightarrow UICC$ | TERMINAL RESPONSE CLOSE CHANNEL 2.9.1 | [Command performed successfully] |
| 40 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: OPEN CHANNEL 1.1.1 | |
| 41 | $ME \rightarrow UICC$ | FETCH | |
| 42 | $UICC \to ME$ | PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 | |
| 43 | $ME \rightarrow USER$ | The ME may display channel opening information | |
| 44 | $ME \rightarrow USS$ | PDP context activation request | |
| 45 | $USS \to ME$ | PDP context activation accept | |
| 46 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A | [Command performed successfully] |
| 47 | $UICC \to ME$ | or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B PROACTIVE COMMAND PENDING: CLOSE CHANNEL 2.9.3 | |
| 48 | $ME \rightarrow UICC$ | FETCH | |
| 49 | $UICC \to ME$ | PROACTIVE COMMAND: CLOSE CHANNEL 2.9.3 | [alpha identifier is displayed with strikethrough off] |
| 50 | $ME \rightarrow USS$ | PDP context deactivation request | |
| 51 | $USS \to ME$ | PDP context deactivation accept | |
| 52 | $ME \rightarrow UICC$ | TERMINAL RESPONSE CLOSE CHANNEL 2.9.1 | [Command performed successfully] |

PROACTIVE COMMAND: CLOSE CHANNEL 2.9.1

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: UICC Destination device: Channel 1

Alpha Identifier "Close ID 1"

Text Attribute

Formatting position: 0 Formatting length: 10

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough On

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 1B | 81 | 03 | 01 | 41 | 00 | 82 | 02 | 81 | 21 |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| | 85 | 0A | 43 | 6C | 6F | 73 | 65 | 20 | 49 | 44 | 20 |
| | 31 | D0 | 04 | 00 | 0A | 80 | B4 | | | | |

PROACTIVE COMMAND: CLOSE CHANNEL 2.9.2

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: UICC Destination device: Channel 1

Alpha Identifier "Close ID 2"

Text Attribute

Formatting position: 0 Formatting length: 10

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 1B | 81 | 03 | 01 | 41 | 00 | 82 | 02 | 81 | 21 |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| - | 85 | 0A | 43 | 6C | 6F | 73 | 65 | 20 | 49 | 44 | 20 |
| | 32 | D0 | 04 | 00 | 0A | 00 | B4 | | | | |

PROACTIVE COMMAND: CLOSE CHANNEL 2.9.3

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: UICC Destination device: Channel 1

Alpha Identifier "Close ID 3"

Coding:

| BER-TLV: | D0 | 15 | 81 | 03 | 01 | 41 | 00 | 82 | 02 | 81 | 21 |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| | 85 | 0A | 43 | 6C | 6F | 73 | 65 | 20 | 49 | 44 | 20 |
| | 33 | | | | | | | | | | |

TERMINAL RESPONSE: CLOSE CHANNEL 2.9.1

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

27.22.4.28.2.9.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 2.9.

27.22.4.28.2.10 CLOSE CHANNEL (support of Text Attribute – Foreground and Background Colour)

27.22.4.28.2.10.1 Definition and applicability

See clause 3.2.2.

27.22.4.28.2.10.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.28.2.10.3 Test purpose

To verify that the ME shall display the alpha identifier according to the foreground and background colour text attribute configuration in the CLOSE CHANNEL proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.28.2.10.4 Method of Test

27.22.4.28.2.10.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The channel identifier value used for these tests is set to 1 as an example.

This channel identifier is dependent on the ME"s default channel identifier as declared in table A.2/27.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

27.22.4.28.2.10.4.2 Procedure

Expected sequence 2.10 (CLOSE CHANNEL, with Text Attribute – Foreground and Background Colour)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | See initial conditions |
| | | PENDING: OPEN CHANNEL 1.1.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 | |
| 4 | $ME \rightarrow USER$ | The ME may display channel opening information | |
| 5 | $ME \to USS$ | PDP context activation request | |
| 6 | $USS \to ME$ | PDP context activation accept | |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A | [Command performed successfully] |
| 8 | $UICC \to ME$ | OT TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B PROACTIVE COMMAND PENDING: CLOSE CHANNEL 2.10.1 | |
| 9 | $ME \rightarrow UICC$ | FETCH | |
| 10 | $UICC \to ME$ | PROACTIVE COMMAND: CLOSE CHANNEL 2.10.1 | [alpha identifier is displayed with foreground and background colour according to the text attribute configuration] |
| 11 | $ME \rightarrow USS$ | PDP context deactivation request | |
| 12 | $USS \to ME$ | PDP context deactivation accept | |
| 13 | $ME \rightarrow UICC$ | TERMINAL RESPONSE CLOSE | [Command performed successfully] |
| 14 | UICC → ME | CHANNEL 2.10.1 PROACTIVE COMMAND | |
| | | PENDING: OPEN CHANNEL 1.1.1 | |
| 15 | $ME \rightarrow UICC$ | FETCH | |
| 16 | $UICC \to ME$ | PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 | |
| 17 | $ME \rightarrow USER$ | The ME may display channel opening information | |
| 18 | $ME \rightarrow USS$ | PDP context activation request | |
| 19 | USS → ME | PDP context activation accept | |
| 20 | ME → UICC | TERMINAL RESPONSE: OPEN | [Command performed successfully] |
| | | CHANNEL 1.1.1A | , , , |
| 21 | $UICC \to ME$ | or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B PROACTIVE COMMAND PENDING: CLOSE CHANNEL 2.10.2 | |
| 22 | $ME \rightarrow UICC$ | FETCH | |
| 23 | $UICC \to ME$ | PROACTIVE COMMAND: CLOSE CHANNEL 2.10.2 | [alpha identifier is displayed with ME"s default foreground and background colour] |
| 24 | $ME \rightarrow USS$ | PDP context deactivation request | |
| 25 | $USS \to ME$ | PDP context deactivation accept | |
| 26 | $ME \to UICC$ | TERMINAL RESPONSE CLOSE | [Command performed successfully] |
| | | CHANNEL 2.10.1 | |

PROACTIVE COMMAND: CLOSE CHANNEL 2.10.1

Logically:

Command details

Command number:

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: UICC

Destination device: Channel 1

Alpha Identifier "Close ID 1"

Text Attribute

Formatting position: 0 Formatting length: 10

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 1B | 81 | 03 | 01 | 41 | 00 | 82 | 02 | 81 | 21 |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| - | 85 | 0A | 43 | 6C | 6F | 73 | 65 | 20 | 49 | 44 | 20 |
| | 31 | D0 | 04 | 00 | 0A | 00 | B4 | | | | |

PROACTIVE COMMAND: CLOSE CHANNEL 2.10.2

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: UICC Destination device: Channel 1

Alpha Identifier "Close ID 2"

Coding:

| BER-TLV: | D0 | 15 | 81 | 03 | 01 | 41 | 00 | 82 | 02 | 81 | 21 |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| | 85 | 0A | 43 | 6C | 6F | 73 | 65 | 20 | 49 | 44 | 20 |
| | 32 | | | | | | | | | | |

TERMINAL RESPONSE: CLOSE CHANNEL 2.10.1

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 41 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

27.22.4.28.2.10.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 2.10.

27.22.4.28.3 CLOSE CHANNEL(E-UTRAN/EPC)

27.22.4.28.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.28.3.2 Conformance requirements

The ME shall support the class "e" commands and E-UTRAN as defined in:

- TS 31.111 [15].

27.22.4.28.3.3 Test purpose

To verify that the ME shall send a:

- TERMINAL RESPONSE (Command Performed Successfully); or
- TERMINAL RESPONSE (Bearer Independent Protocol Error, invalid channel identifier);

to the UICC after the ME receives the CLOSE CHANNEL proactive command. The TERMINAL RESPONSE sent back to the UICC is function of the ME and the network capabilities against asked parameters by the UICC.

27.22.4.28.3.4 Method of Test

27.22.4.28.3.4.1 Initial conditions

The ME is connected to the USIM Simulator and the E-USS. Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The default E-UTRAN/EPC UICC, the default E-UTRAN parameters and the following parameters are used:

Network access name: TestGp.rs
User login: UserLog
User password: UserPwd

UICC/ME interface transport level:Same UICC/ME transport interface level as defined in 27.22.4.27.6.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.6.4.1.

The Channel identifier value used for these tests is set to 1 as an example.

This channel identifier is dependent on the ME"s default channel identifier as declared in table A.2/27.

27.22.4.28.3.4.2 Procedure

Expected sequence 3.1 (CLOSE CHANNEL, Default EPS bearer, successful)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|----------------------------------|----------------------------------|
| 1 | $USER \to ME$ | Set and configure APN | [see initial conditions] |
| | | "TestGp.rs" in the terminal | |
| | | configuration if required | |
| 2 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: OPEN CHANNEL | |
| | | 6.6.1 | |
| 3 | $ME \rightarrow UICC$ | FETCH | |
| 4 | $UICC \to ME$ | PROACTIVE COMMAND: | |
| | | OPEN CHANNEL 6.6.1 | |
| 5 | $ME \rightarrow USER$ | The ME may display channel | |
| | | opening information | |
| 6 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: OPEN | [Command performed successfully] |
| | | CHANNEL 6.6.1A | |
| | | or | |
| | | TERMINAL RESPONSE: OPEN | |
| | | CHANNEL 6.6.1B | |
| 7 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: CLOSE CHANNEL | |
| | | 3.1.1 | |
| 8 | $ME \to UICC$ | FETCH | |
| 9 | $UICC \to ME$ | PROACTIVE COMMAND: | |
| | | CLOSE CHANNEL 3.1.1 | |
| 10 | $ME \to UICC$ | TERMINAL RESPONSE CLOSE | [Command performed successfully] |
| | | CHANNEL 3.1.1 | |
| 11 | $USER \to ME$ | Wait 30 seconds, then switch off | |
| | | the terminal | |

PROACTIVE COMMAND: OPEN CHANNEL 6.6.1

Same as PROACTIVE COMMAND: OPEN CHANNEL 6.5.1 in clause 27.22.4.27.6.4.

TERMINAL RESPONSE: OPEN CHANNEL 6.6.1A

Same as TERMINAL RESPONSE: OPEN CHANNEL 6.5.1A in clause 27.22.4.27.6.4.

TERMINAL RESPONSE: OPEN CHANNEL 6.6.1B

Same as TERMINAL RESPONSE: OPEN CHANNEL 6.5.1B in clause 27.22.4.27.6.4.

PROACTIVE COMMAND: CLOSE CHANNEL 3.1.1

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1

Coding:

| BER-TLV: D0 09 81 03 | 01 41 00 | 82 02 81 21 |
|----------------------|----------|-------------|
|----------------------|----------|-------------|

TERMINAL RESPONSE: CLOSE CHANNEL 3.1.1

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 41 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

Expected sequence 3.2 (CLOSE CHANNEL, EPS bearer with APN different from default APN, successful)

| Step | Direction | MESSAGE / Action | Comments |
|------|-------------------------------|---------------------------------|--|
| 1 | $USER \to ME$ | Set and configure APN | [see initial conditions] |
| | | "Test12.rs" in the terminal | |
| | | configuration if required | |
| 2 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: OPEN CHANNEL | |
| | | 6.3.1 | |
| 3 | $ME \rightarrow UICC$ | FETCH | |
| 4 | $UICC \to ME$ | PROACTIVE COMMAND: | |
| | | OPEN CHANNEL 6.3.1 | |
| 5 | $ME \rightarrow USER$ | The ME may display channel | |
| | | opening information | |
| 6 | $ME \rightarrow E\text{-}USS$ | PDN CONNECTIVITY | |
| | | REQUEST | |
| 7 | $ME \rightarrow E\text{-}USS$ | ACTIVATE DEFAULT EPS | |
| | | BEARER CONTEXT REQUEST | |
| 8 | $USS \to ME$ | ACTIVATE DEFAULT EPS | |
| | | BEARER CONTEXT ACCEPT | |
| 9 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: OPEN | [Command performed successfully] |
| | | CHANNEL 6.1.1 | |
| 10 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: CLOSE CHANNEL | |
| | | 3.2.1 | |
| 11 | | FETCH | |
| 12 | $UICC \to ME$ | PROACTIVE COMMAND: | |
| | | CLOSE CHANNEL 3.2.1 | |
| 13 | $ME \rightarrow E-USS$ | The ME shall send a PDN | |
| | | CONNECTIVITY DISCONNECT | |
| | | REQUEST to the network | |
| | | disconnect only the EPS bearer | |
| | | which has been established with | |
| 4.4 | 145 | the Open Channel command | |
| 14 | $ME \rightarrow E-USS$ | DEACTIVATE EPS BEARER | |
| 45 | | CONTEXT REQUEST | |
| 15 | E-USS → ME | DEACTIVATE EPS BEARER | |
| 40 | 145 | CONTEXT ACCEPT | [O - m m - m d m - m - d - m - m - d - m - m |
| 16 | $ME \rightarrow UICC$ | | [Command performed successfully] |
| 47 | 11055 115 | CHANNEL 3.2.1 | |
| 17 | | Wait 30 seconds then switch off | |
| | | the terminal | |

PROACTIVE COMMAND: OPEN CHANNEL 6.3.1

Same as PROACTIVE COMMAND: OPEN CHANNEL 6.3.1 in clause 27.22.4.27.6.4.

TERMINAL RESPONSE: OPEN CHANNEL 6.1.1

Same as TERMINAL RESPONSE: OPEN CHANNEL 6.1.1 in clause 27.22.4.27.6.4.

PROACTIVE COMMAND: CLOSE CHANNEL 3.2.1

Same as TERMINAL RESPONSE: CLOSE CHANNEL 3.1.1 as used in sequence 3.1

TERMINAL RESPONSE: CLOSE CHANNEL 3.2.1

Same as TERMINAL RESPONSE: CLOSE CHANNEL 3.1.1 as used in sequence 3.1

27.22.4.28.3.10.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 3.1 to 3.2.

27.22.4.29 RECEIVE DATA

27.22.4.29.1 RECEIVE DATA (NORMAL)

27.22.4.29.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.29.1.2 Conformance requirements

The ME shall support the class "e" commands and additionally E-UTRAN for sequence 1.2 as defined in:

- TS 31.111 [15].

27.22.4.29.1.3 Test purpose

To verify that the ME shall send a:

- TERMINAL RESPONSE (Command Performed Successfully); or
- TERMINAL RESPONSE (ME currently unable to process command); or
- TERMINAL RESPONSE (Bearer Independent Protocol Error);

to the UICC after the ME receives the RECEIVE DATA proactive command. The TERMINAL RESPONSE sent back to the UICC is function of the ME and the network capabilities against asked parameters by the UICC.

27.22.4.29.1.4 Method of test

27.22.4.29.1.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS. The elementary files are coded as Toolkit default for sequence 1.1.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The Channel identifier value used for these tests is set to 1 as an example.

This channel identifier is dependent on the ME"s default channel identifier as declared in table A.2/27.

The PROACTIVE COMMAND: SEND DATA 1.1.1 shall be performed successfully to detect the ME's port number, which has to be addressed by the network simulator when data has to be transmitted to the card. The corresponding Terminal Response shall be TERMINAL RESPONSE: SEND DATA 1.1.1.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 51.010-1 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

For sequence 1.2 the default E-UTRAN/EPC UICC, the default E-UTRAN parameters and the following parameters are

used:

Network access name: TestGp.rs User login: UserLog User password: UserPwd

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.6.4.1

Data destination address: Sames Data Destination Address as defined in 27.22.4.27.6.4.1.

27.22.4.29.1.4.2 Procedure

Expected sequence 1.1 (RECEIVE DATA, already opened channel)

| Step | Direction | MESSAGE / Action | Comments |
|----------|---|---|---------------------------------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP EVENT LIST | |
| | | 1.1.1 PENDING | |
| 2 | | FETCH PROACTIVE COMMAND: SET UP EVENT LIST | |
| 3 | $UICC \to ME$ | 11.1.1 | |
| 4 | ME → UICC | TERMINAL RESPONSE: SET UP EVENT LIST | |
| | | 1.1.1 | |
| 5 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: OPEN | See initial conditions |
| | ME | CHANNEL 1.1.1 | |
| 7 | $ME \rightarrow UICC$ $UICC \rightarrow ME$ | FETCH PROACTIVE COMMAND: OPEN CHANNEL | |
| ' | | 1.1.1 | |
| 8 | $ME \rightarrow USER$ | The ME may display channel opening information | |
| 9 | $ME \rightarrow USS$ | PDP context activation request | |
| 10 | $USS \to ME$ | PDP context activation accept | |
| 11 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: OPEN CHANNEL | [Command performed successfully] |
| | | 1.1.1A lor | |
| | | TERMINAL RESPONSE: OPEN CHANNEL | |
| | | 1.1.1B | |
| 12 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND | |
| 40 | NAT LUCC | DATA 1.1.1 | |
| 13 | $ME \to UICC$ $UICC \to ME$ | FETCH PROACTIVE COMMAND: SEND DATA | |
| 14 | UICC → ME | (immediate) 1.1.1 | |
| 15 | $ME \rightarrow USS$ | Transfer of 8 Bytes of data to the USS through | [To retrieve ME's port number] |
| | | channel 1 | |
| 16 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND DATA | [Command performed successfully] |
| 17 | LICO ME | (immediate) 1.1.1 Transfer of 1000 Bytes of data to the ME through | |
| 17 | $USS \to ME$ | channel 1 using the ME's port number, which was | |
| | | retrieved in step 15 | |
| 18 | $ME \to UICC$ | ENVELOPE: EVENT DOWNLOAD - Data | (1000 Bytes of data in the ME buffer) |
| 40 | 11100 145 | available 1.1.1 | |
| 19 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: RECEIVE DATA 1.1.1 | |
| 20 | ME → UICC | | |
| 21 | | PROACTIVE COMMAND: RECEIVE DATA 1.1.1 | 200 Bytes |
| 22 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: RECEIVE DATA 1.1.1 | - |
| 23 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: RECEIVE | |
| 0.4 | 11100 | DATA 1.1.2 | |
| 24 | $ME \rightarrow UICC$ $UICC \rightarrow ME$ | FETCH | 200 Bytos |
| 25 26 | $ME \rightarrow UICC$ | PROACTIVE COMMAND: RECEIVE DATA 1.1.2 TERMINAL RESPONSE: RECEIVE DATA 1.1.2 | ZUU DYIUS |
| 27 | $UICC \rightarrow ME$ | PROACTIVE COMMAND PENDING: RECEIVE | |
| - | | DATA 1.1.3 | |
| 28 | $ME \rightarrow UICC$ | FETCH | |
| 29 | $UICC \to ME$ | PROACTIVE COMMAND: RECEIVE DATA 1.1.3 | 200 Bytes |
| 30 | ME → UICC | TERMINAL RESPONSE: RECEIVE DATA 1.1.3 | |
| 31 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: RECEIVE | |
| 32 | $ME \rightarrow UICC$ | DATA 1.1.4 FETCH | |
| 33 | $UICC \rightarrow ME$ | | 200 Bytes |
| 34 | ME → UICC | TERMINAL RESPONSE: RECEIVE DATA 1.1.4 | , |
| 35 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: RECEIVE | |
| | | DATA 1.1.5 | |
| 36 | ME → UICC | FETCH | 000 D (|
| 37 | | PROACTIVE COMMAND: RECEIVE DATA 1.1.5 | ZUU BYTES |
| 38 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: RECEIVE DATA 1.1.5 | |

PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1

Logically:

Command details

Command number: 1

Command type: SET UP EVENT LIST

Command qualifier: RFU

Device identities

Source device: UICC Destination device: ME

Event list Data available

Coding:

| BER-TLV: | D0 | 0C | 81 | 03 | 01 | 05 | 00 | 82 | 02 | 81 | 82 | 99 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 01 | 09 | | | | | | | | | | l |

TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1

Logically:

Command details

Command number:

Command type: SET UP EVENT LIST

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| | | | | - | | | | | | | | |
|----------|------|------|----|------|------|----|----|----|------|------|----|------|
| BER-TLV: | Ι Ω1 | U.S | Λ1 | 05 | 00 | 22 | 02 | 82 | Ι Ω1 | 83 | Λ1 | 00 |
| | 1 01 | 1 03 | | 1 00 | 1 00 | 02 | 02 | 02 | 101 | 1 00 | | 1 00 |

PROACTIVE COMMAND: OPEN CHANNEL 1.1.1

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC Destination device: ME

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1000 Network access name: TestGp.rs

Text String: UserLog (User login)

Text String: UserPwd (User password)

UICC/ME interface transport level
Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

Coding:

BER-TLV

| D0 | 42 | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 81 | 82 | 35 |
|----|----|----|----|----|----|----|----|----|----|----|----|
| 07 | 02 | 03 | 04 | 03 | 04 | 1F | 02 | 39 | 02 | 03 | E8 |
| 47 | 0A | 06 | 54 | 65 | 73 | 74 | 47 | 70 | 02 | 72 | 73 |
| 0D | 08 | F4 | 55 | 73 | 65 | 72 | 4C | 6F | 67 | 0D | 08 |
| F4 | 55 | 73 | 65 | 72 | 50 | 77 | 64 | 3C | 03 | 01 | AD |
| 9C | 3E | 05 | 21 | 01 | 01 | 01 | 01 | | | | |

TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A

Logically:

Command details

Command number:

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1000

Coding:

| BER-TLV: | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 38 | 02 | 81 | 00 | 35 | 07 | 02 | 03 | 04 | 03 | 04 | 1F |
| | 02 | 39 | 02 | 03 | E8 | | | | | | | |

TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 00
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1000

Coding:

| BER-TLV: | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 38 | 02 | 81 | 00 | 35 | 07 | 02 | 00 | 04 | 03 | 04 | 1F |
| | 02 | 39 | 02 | 03 | E8 | | | | | | | |

PROACTIVE COMMAND: SEND DATA 1.1.1

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: UICC
Destination device: Channel 1

Channel Data

Channel Data: 00 01 .. 07 (8 Bytes of data)

Coding:

| BER-TLV: | D0 | 13 | 81 | 03 | 01 | 43 | 01 | 82 | 02 | 81 | 21 | B6 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| _ | 80 | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | | | |

TERMINAL RESPONSE: SEND DATA 1.1.1

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel data length: More than 255 bytes of space available in the Tx buffer

Coding:

| BER-TLV: | 81 | 03 | 01 | 43 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | B7 | 01 | FF | | | | | | | | | |

ENVELOPE: EVENT DOWNLOAD - Data available 1.1.1

Logically:

Event list

Event: Data available

Device identities

Source device: ME
Destination device: UICC

Channel status

Channel status: Channel 1 open, link established

Channel Data Length

Channel data length: FF (more than 255 bytes are available)

Coding:

| BER-TLV: | D6 | 0E | 99 | 01 | 09 | 82 | 02 | 82 | 81 | B8 | 02 | 81 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | B7 | 01 | FF | | | | | | | | |

PROACTIVE COMMAND: RECEIVE DATA 1.1.1

Logically:

Command details

Command number: 1

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1

Channel Data Length

Channel Data Length: 200

Coding:

| BER-TLV: | D0 | 0C | 81 | 03 | 01 | 42 | 00 | 82 | 02 | 81 | 21 | B7 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 01 | C8 | | | | | | | | | | |

PROACTIVE COMMAND: RECEIVE DATA 1.1.2

Logically:

Command details

Command number: 2

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1

Channel Data Length

Channel Data Length: 200

Coding:

| BER-TLV: | D0 | 0C | 81 | 03 | 02 | 42 | 00 | 82 | 02 | 81 | 21 | B7 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| ' | 01 | C8 | | | | | | | | | | |

PROACTIVE COMMAND: RECEIVE DATA 1.1.3

Logically:

Command details

Command number: 3

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1

Channel Data Length

Channel Data Length: 200

Coding:

| BER-TLV: | D0 | 0C | 81 | 03 | 03 | 42 | 00 | 82 | 02 | 81 | 21 | B7 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 01 | C8 | | | | | | | | | | |

PROACTIVE COMMAND: RECEIVE DATA 1.1.4

Logically:

Command details

Command number: 4

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1

Channel Data Length

Channel Data Length: 200

Coding:

| BER-TLV: | D0 | 0C | 81 | 03 | 04 | 42 | 00 | 82 | 02 | 81 | 21 | B7 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| · | 01 | C8 | | | | | | | | | | |

PROACTIVE COMMAND: RECEIVE DATA 1.1.5

Logically:

Command details

Command number: 5

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1

Channel Data Length

Channel Data Length: 200

Coding:

| BER-TLV: | D0 | 0C | 81 | 03 | 05 | 42 | 00 | 82 | 02 | 81 | 21 | B7 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| _ | 01 | C8 | | | | | | | | | | |

TERMINAL RESPONSE: RECEIVE DATA 1.1.1

Logically:

Command details

Command number: 1

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully Channel Data : 00 01 02 .. C7 (200 Bytes of data)

Channel data length: FF

Coding:

| BER-TLV: | 81 | 03 | 01 | 42 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | B6 | 81 | C8 | 00 | 01 | 02 | | C7 | B7 | 01 | FF | |

TERMINAL RESPONSE: RECEIVE DATA 1.1.2

Logically:

Command details

Command number: 2

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel Data: C8 C9 CA .. FF 00 01 .. 8F (200 Bytes of data)

Channel data length: FF

Coding:

| BER-TLV: | 81 | 03 | 02 | 42 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 | |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|---|
| | B6 | 81 | C8 | C8 | C9 | CA | | FF | 00 | 01 | 02 | | |
| | 8F | B7 | 01 | FF | | | | | | | | | l |

TERMINAL RESPONSE: RECEIVE DATA 1.1.3

Logically:

Command details

Command number: 3

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel Data : 90 91 .. FF 00 01 – 57 (200 Bytes of data)

Channel data length: FF

Coding:

| BER-TLV: | 81 | 03 | 03 | 42 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | B6 | 81 | C8 | 90 | 91 | 92 | | FF | 00 | 01 | 02 | |
| | 57 | B7 | 01 | FF | | | | | | | | |

TERMINAL RESPONSE: RECEIVE DATA 1.1.4

Logically:

Command details

Command number: 4

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel Data : 58 59 .. FF 00 01 .. 1F (200 Bytes of data)

Channel data length: C8

Coding:

| BER-TLV: | 81 | 03 | 04 | 42 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | B6 | 81 | C8 | 58 | 59 | 5A | | FF | 00 | 01 | 02 | |
| | 1F | B7 | 01 | C8 | | | | | | | | |

TERMINAL RESPONSE: RECEIVE DATA 1.1.5

Logically:

Command details

Command number: 5

Command type: RECEIVE DATA
Command qualifier: RFUDevice identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully Channel Data: 20 21 .. E7 (200 Bytes of data)

Channel data length: 00

Coding:

| BER-TLV: | 81 | 03 | 05 | 42 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | B6 | 81 | C8 | 20 | 21 | 22 | | E7 | B7 | 01 | 00 | |

Expected sequence 1.2 (RECEIVE DATA, already opened channel, E-UTRAN, APN different from default)

| Step | Direction | MESSAGE / Action | Comments |
|------|-------------------------------|--|---|
| 1 | UICC → ME | PROACTIVE COMMAND: SET UP EVENT LIST | |
| ' | OIOO / IVIL | 1.1.1 PENDING | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | | PROACTIVE COMMAND: SET UP EVENT LIST | |
| | OIOO / IVIL | 1.1.1 | |
| 4 | ME → UICC | TERMINAL RESPONSE: SET UP EVENT LIST | |
| ' | IVIL 7 0100 | 1.1.1 | |
| 5 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: OPEN | See initial conditions |
| | | CHANNEL 1.2.1 | |
| 6 | $ME \rightarrow UICC$ | FETCH | |
| 7 | $UICC \to ME$ | PROACTIVE COMMAND: OPEN CHANNEL | |
| | | 1.2.1 | |
| 8 | $ME \rightarrow USER$ | The ME should not display channel opening | |
| | | information | |
| 9 | $ME \rightarrow E\text{-}USS$ | PDN CONNECTIVITY REQUEST | [The PDN CONNECTIVITY REQUEST |
| | | | shall contain the APN "Test12.rs"] |
| 10 | E-USS → ME | ACTIVATE DEFAULT EPS BEARER CONTEXT | [The E-UTRAN parameters are used] |
| | | REQUEST | |
| 11 | $ME \rightarrow E-USS$ | ACTIVATE DEFAULT EPS BEARER CONTEXT | |
| 40 | 145 | ACCEPT | |
| 12 | | TERMINAL RESPONSE: OPEN CHANNEL 1.2.1 | |
| 13 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND | |
| 4.4 | ME IIIOO | DATA 1.2.1 | |
| 14 | | FETCH | |
| 15 | $UICC \to ME$ | PROACTIVE COMMAND: SEND DATA | |
| 10 | ME 5 1100 | (immediate) 1.2.1 | ITO matrice to MITIO months are stated |
| 16 | ME → E-USS | Transfer of 8 Bytes of data to the E-USS through channel 1 | [To retrieve ME's port number at the Access Point defined in the Open |
| | | Channel I | Channel command |
| 17 | ME → UICC | TERMINAL RESPONSE: SEND DATA | [Command performed successfully] |
| '' | IVIE -> UICC | (immediate) 1.2.1 | [Confinance performed successfully] |
| 18 | F-USS → MF | | Sent from the Access Point different to |
| | L 000 / IML | channel 1 using the ME's port number, which was | |
| | | retrieved in step 15 | , |
| 19 | $ME \rightarrow UICC$ | ENVELOPE: EVENT DOWNLOAD - Data | (1000 Bytes of data in the ME buffer) |
| | | available 1.2.1 | , , |
| 20 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: RECEIVE | |
| | | DATA 1.2.1 | |
| 21 | $ME \rightarrow UICC$ | FETCH | |
| 22 | $UICC \to ME$ | PROACTIVE COMMAND: RECEIVE DATA 1.2.1 | 200 Bytes |
| 23 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: RECEIVE DATA 1.2.1 | |
| 24 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: RECEIVE | |
| | | DATA 1.2.2 | |
| 25 | $ME \rightarrow UICC$ | FETCH | |
| 26 | $UICC \to ME$ | PROACTIVE COMMAND: RECEIVE DATA 1.2.2 | 200 Bytes |
| 27 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: RECEIVE DATA 1.2.2 | |
| 28 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: RECEIVE | |
| | | DATA 1.2.3 | |
| 29 | | FETCH | |
| 30 | | | 200 Bytes |
| 31 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: RECEIVE DATA 1.2.3 | |
| 32 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: RECEIVE | |
| | | DATA 1.2.4 | |
| 33 | $ME \rightarrow UICC$ | FETCH | |
| 34 | $UICC \to ME$ | PROACTIVE COMMAND: RECEIVE DATA 1.2.4 | 200 Bytes |
| 35 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: RECEIVE DATA 1.2.4 | |
| 36 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: RECEIVE | |
| | | DATA 1.2.5 | |
| 37 | $ME \to UICC$ | FETCH | |
| 38 | | PROACTIVE COMMAND: RECEIVE DATA 1.2.5 | 200 Bytes |
| 39 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: RECEIVE DATA 1.2.5 | |
| | | | |

| 40 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: CLOSE CHANNEL 1.2.1 | |
|----|-----------------------|---|----------------------------------|
| 41 | $ME \rightarrow UICC$ | FETCH | |
| 42 | $UICC \to ME$ | PROACTIVE COMMAND: CLOSE CHANNEL | |
| | | 1.2.1 | |
| 43 | $ME \rightarrow UICC$ | TERMINAL RESPONSE CLOSE CHANNEL | [Command performed successfully] |
| | | 1.2.1 | |

PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1

Same as PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1 in expected sequence 1.1

TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1

Same as TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1 in expected sequence 1.1

PROACTIVE COMMAND: OPEN CHANNEL 1.2.1

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC
Destination device: ME
Alpha Identifier: empty

Bearer

Bearer type: GPRS / UTRAN packet service / E-UTRAN

Precedence Class: 03
Delay Class: 04
Reliability Class: 02
Peak throughput class: 09
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400 Network access name: Test12.rs

Text String: "UserLog" (User login)
Text String: "UserPwd" (User password)

UICC/ME interface transport level

Transport format: TCP
Port number: 44444
Data destination address 01.01.01.01

Coding:

| BER-TLV: | D0 | 44 | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 81 | 82 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | 35 | 07 | 02 | 03 | 04 | 02 | 09 | 1F | 02 | 39 | 02 |
| | 05 | 78 | 47 | 0A | 06 | 54 | 65 | 73 | 74 | 31 | 32 | 02 |
| | 72 | 73 | 0D | 08 | F4 | 55 | 73 | 65 | 72 | 4C | 6F | 67 |
| | 0D | 08 | F4 | 55 | 73 | 65 | 72 | 50 | 77 | 64 | 3C | 03 |
| | 02 | AD | 9C | 3E | 05 | 21 | 01 | 01 | 01 | 01 | | |

TERMINAL RESPONSE: OPEN CHANNEL 1.2.1

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS / UTRAN packet service / E-UTRAN

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 02
Peak throughput class: 09
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400

Coding:

| BER-TLV: | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 38 | 02 | 81 | 00 | 35 | 07 | 02 | 03 | 04 | 02 | 09 | 1F |
| | 02 | 39 | 02 | 05 | 78 | | | | | | | |

PROACTIVE COMMAND: SEND DATA 1.2.1

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: UICC
Destination device: Channel 1

Channel Data

Channel Data: 00 01 .. 07 (8 Bytes of data)

Coding:

| BER-TLV: | D0 | 13 | 81 | 03 | 01 | 43 | 01 | 82 | 02 | 81 | 21 | B6 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 08 | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | | | |

TERMINAL RESPONSE: SEND DATA 1.2.1

Logically:

Command details

Command number:

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel data length: More than 255 bytes of space available in the Tx buffer

Coding:

| BER-TLV: | 81 | 03 | 01 | 43 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | B7 | 01 | FF | | | | | | | | | |

ENVELOPE: EVENT DOWNLOAD - Data available 1.2.1

Logically:

Event list

Event: Data available

Device identities

Source device: ME
Destination device: UICC

Channel status

Channel status: Channel 1 open, link established

Channel Data Length

Channel data length: FF (more than 255 bytes are available)

Coding:

| BER-TLV: | D6 | 0E | 99 | 01 | 09 | 82 | 02 | 82 | 81 | B8 | 02 | 81 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | B7 | 01 | FF | | | | | | | | |

PROACTIVE COMMAND: RECEIVE DATA 1.2.1

Logically:

Command details

Command number: 1

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1

Channel Data Length

Channel Data Length: 200

Coding:

| BER-TLV: | D0 | 0C | 81 | 03 | 01 | 42 | 00 | 82 | 02 | 81 | 21 | B7 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 01 | C8 | | | | | | | | | | |

PROACTIVE COMMAND: RECEIVE DATA 1.2.2

Logically:

Command details

Command number: 2

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1

Channel Data Length

Channel Data Length: 200

Coding:

| BER-TLV: | D0 | 0C | 81 | 03 | 02 | 42 | 00 | 82 | 02 | 81 | 21 | B7 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 01 | C8 | | | | | | | | | | |

PROACTIVE COMMAND: RECEIVE DATA 1.2.3

Logically:

Command details

Command number: 3

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1

Channel Data Length

Channel Data Length: 200

Coding:

| BER-TLV: | D0 | 0C | 81 | 03 | 03 | 42 | 00 | 82 | 02 | 81 | 21 | B7 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 01 | C8 | | | | | | | | | | |

PROACTIVE COMMAND: RECEIVE DATA 1.2.4

Logically:

Command details

Command number: 4

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1

Channel Data Length

Channel Data Length: 200

Coding:

| BER-TLV: | D0 | 0C | 81 | 03 | 04 | 42 | 00 | 82 | 02 | 81 | 21 | B7 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 01 | C8 | | | | | | | | | | |

PROACTIVE COMMAND: RECEIVE DATA 1.2.5

Logically:

Command details

Command number: 5

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1

Channel Data Length

Channel Data Length: 200

Coding:

| BER-TLV: | D0 | 0C | 81 | 03 | 05 | 42 | 00 | 82 | 02 | 81 | 21 | B7 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 01 | C8 | | | | | | | | | | |

TERMINAL RESPONSE: RECEIVE DATA 1.2.1

Logically:

Command details

Command number: 1

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully Channel Data : 00 01 02 .. C7 (200 Bytes of data)

Channel data length: FF

Coding:

| BER-TLV: | 81 | 03 | 01 | 42 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | B6 | 81 | C8 | 00 | 01 | 02 | | C7 | B7 | 01 | FF | |

TERMINAL RESPONSE: RECEIVE DATA 1.2.2

Logically:

Command details

Command number: 2

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel Data: C8 C9 CA .. FF 00 01 .. 8F (200 Bytes of data)

Channel data length: FF

Coding:

| BER-TLV: | 81 | 03 | 02 | 42 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | B6 | 81 | C8 | C8 | C9 | CA | | FF | 00 | 01 | 02 | |
| | 8F | B7 | 01 | FF | | | | | | | | |

TERMINAL RESPONSE: RECEIVE DATA 1.2.3

Logically:

Command details

Command number: 3

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel Data : 90 91 .. FF 00 01 – 57 (200 Bytes of data)

Channel data length: FF

Coding:

| BER-TLV: | 81 | 03 | 03 | 42 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | B6 | 81 | C8 | 90 | 91 | 92 | | FF | 00 | 01 | 02 | |
| | 57 | B7 | 01 | FF | | | | | | | | |

TERMINAL RESPONSE: RECEIVE DATA 1.2.4

Logically:

Command details

Command number: 4

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel Data : 58 59 .. FF 00 01 .. 1F (200 Bytes of data)

Channel data length: C8

Coding:

| BER-TLV: | 81 | 03 | 04 | 42 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | В6 | 81 | C8 | 58 | 59 | 5A | | FF | 00 | 01 | 02 | |
| | 1F | B7 | 01 | C8 | | | | | | | | |

TERMINAL RESPONSE: RECEIVE DATA 1.2.5

Logically:

Command details

Command number: 5

Command type: RECEIVE DATA
Command qualifier: RFUDevice identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully Channel Data: 20 21 .. E7 (200 Bytes of data)

Channel data length: 00

Coding:

| BER-TLV: | 81 | 03 | 05 | 42 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| _ | B6 | 81 | C8 | 20 | 21 | 22 | | E7 | B7 | 01 | 00 | |

PROACTIVE COMMAND: CLOSE CHANNEL 1.2.1

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1

Coding:

BER-TLV: D0 09 81 03 01 41 00 82 02 81 21

TERMINAL RESPONSE: CLOSE CHANNEL 1.2.1

Logically:

Command details

Command number:

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 41 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

27.22.4.29.1.5 Test requirement

The ME shall operate in the manner defined in expected sequence 1.1 to 1.2.

27.22.4.29.2 RECEIVE DATA (support of Text Attribute)

27.22.4.29.2.1 RECEIVE DATA (support of Text Attribute – Left Alignment)

27.22.4.29.2.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.29.2.1.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.29.2.1.3 Test purpose

To verify that the ME shall display the alpha identifier according to the left alignment text attribute configuration in the RECEIVE DATA proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.29.2.1.4 Method of test

27.22.4.29.2.1.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS. The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The channel identifier value used for these tests is set to 1 as an example.

This channel identifier is dependent on the ME"s default channel identifier as declared in table A.2/27.

The PROACTIVE COMMAND: SEND DATA 1.1.1 shall be performed successfully to detect the ME's port number, which has to be addressed by the network simulator when data has to be transmitted to the card. The corresponding Terminal Response shall be TERMINAL RESPONSE: SEND DATA 1.1.1.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Sames Data Destination Address as defined in 27.22.4.27.2.4.1.

27.22.4.29.2.1.4.2 Procedure

Expected sequence 2.1 (RECEIVE DATA, with Text Attribute – Left Alignment)

| Step | Direction | MESSAGE / Action | Comments |
|-------|-----------------------|--|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP EVENT LIST | |
| | | 1.1.1 PENDING | |
| 2 | | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP EVENT LIST | |
| 4 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SET UP EVENT LIST | |
| · | WIE 7 0100 | 1.1.1 | |
| 5 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: OPEN | See initial conditions |
| | | CHANNEL 1.1.1 | |
| 6 | ME → UICC | FETCH | |
| 7 | $UICC \to ME$ | PROACTIVE COMMAND: OPEN CHANNEL | |
| 8 | $ME \rightarrow USER$ | 1 | |
| 9 | | PDP context activation request | |
| 10 | $USS \to ME$ | PDP context activation accept | |
| 11 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: OPEN CHANNEL | [Command performed successfully] |
| | | 1.1.1A | |
| | | or TERMINAL RESPONSE: OPEN CHANNEL | |
| | | 1.1.1B | |
| 12 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND | |
| | | DATA 1.1.1 | |
| 13 | | | |
| 14 | $UICC \to ME$ | PROACTIVE COMMAND: SEND DATA | |
| 15 | ME 	o USS | (immediate) 1.1.1 Transfer of 8 Bytes of data to the USS through | [To retrieve ME's port number] |
| 13 | IVIE → USS | Ichannel 1 | [10 retrieve ML 3 port ridinber] |
| 16 | $ME \to UICC$ | TERMINAL RESPONSE: SEND DATA | [Command performed successfully] |
| | | (immediate) 1.1.1 | |
| 17 | $USS \to ME$ | Transfer of 400 Bytes data to the ME through | |
| | | channel 1 using the ME's port number, which was retrieved in step 15 | |
| 18 | $ME \rightarrow UICC$ | ENVELOPE: EVENT DOWNLOAD - Data | (400 Bytes of data in the ME buffer) |
| | , , , , | available 2.1.1ENVELOPE (Data Available) | (100 2)100 01 0010 111 0110 1112 001101) |
| 19 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: RECEIVE | |
| 00 | | DATA 2.1.1 | |
| 20 21 | ME → UICC | | 200 Putas with alpha identification |
| 21 | $UICC \to ME$ | PROACTIVE COMMAND: RECEIVE DATA 2.1.1 | 200 Bytes with alpha identifier is displayed with left alignment |
| 22 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: RECEIVE DATA 2.1.1 | and the second s |
| 23 | $UICC \rightarrow ME$ | PROACTIVE COMMAND PENDING: RECEIVE | |
| | | DATA 2.1.2 | |
| 24 | ME → UICC | FETCH | |
| 25 | $UICC \to ME$ | PROACTIVE COMMAND: RECEIVE DATA 2.1.2 | 200 Bytes with alpha identifier shall be |
| | | | formatted without left alignment. Remark: If left alignment is the ME"s |
| | | | default alignment as declared in table |
| | | | A.2/21, no alignment change will take |
| | | TERMINAL RESPONDE RESERVE STATES | place |
| 26 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: RECEIVE DATA 2.1.1 | |

PROACTIVE COMMAND: SEND DATA 1.1.1

Same as PROACTIVE COMMAND: SEND DATA 1.1.1 in clause 27.22.4.29.1.4.2.

TERMINAL RESPONSE: SEND DATA 1.1.1

Same as TERMINAL RESPONSE: SEND DATA 1.1.1 in clause 27.22.4.29.1.4.2.

ENVELOPE: EVENT DOWNLOAD - Data available 2.1.1

Logically:

Event list

Event: Data available

Device identities

Source device: ME
Destination device: UICC

Channel status

Channel status: Channel 1 open, link established

Channel Data Length

Channel data length: FF (more than 255 bytes are available)

Coding:

| BER-TLV: | D6 | 0E | 99 | 01 | 09 | 82 | 02 | 82 | 81 | B8 | 02 | 81 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | B7 | 01 | FF | | | | | | | | |

PROACTIVE COMMAND: RECEIVE DATA 2.1.1

Logically:

Command details

Command number: 1

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Receive Data 1"

Channel Data Length

Channel Data Length: 200

Text Attribute

Formatting position: 0 Formatting length: 14

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 22 | 81 | 03 | 01 | 42 | 00 | 82 | 02 | 81 | 21 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0E | 52 | 65 | 63 | 65 | 69 | 76 | 65 | 20 | 44 | 61 | 74 |
| | 61 | 20 | 31 | B7 | 01 | C8 | D0 | 04 | 00 | 0E | 00 | B4 |

PROACTIVE COMMAND: RECEIVE DATA 2.1.2

Logically:

Command details

Command number: 1

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1

Alpha Identifier "Receive Data 2"

Channel Data Length

Channel Data Length: 200

Coding:

| BER-TLV: | D0 | 1C | 81 | 03 | 01 | 42 | 00 | 82 | 02 | 81 | 21 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0E | 52 | 65 | 63 | 65 | 69 | 76 | 65 | 20 | 44 | 61 | 74 |
| | 61 | 20 | 32 | B7 | 01 | C8 | | | | | | |

TERMINAL RESPONSE: RECEIVE DATA 2.1.1

Logically:

Command details

Command number: 1

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully Channel Data : 00 01 02 .. C7 (200 Bytes of data)

Channel data length: FF

Coding:

| BER-TLV: | 81 | 03 | 01 | 42 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | B6 | 81 | C8 | 00 | 01 | 02 | | C7 | B7 | 01 | FF | |

27.22.4.29.2.1.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 2.1.

27.22.4.29.2.2 RECEIVE DATA (support of Text Attribute – Center Alignment)

27.22.4.29.2.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.29.2.2.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.29.2.2.3 Test purpose

To verify that the ME shall display the alpha identifier according to the center alignment text attribute configuration in the RECEIVE DATA proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.29.2.2.4 Method of test

27.22.4.29.2.2.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS. The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The channel identifier value used for these tests is set to 1 as an example.

This channel identifier is dependent on the ME's default channel identifier as declared in table A.2/27.

The PROACTIVE COMMAND: SEND DATA 1.1.1 shall be performed successfully to detect the ME's port number, which has to be addressed by the network simulator when data has to be transmitted to the card. The corresponding Terminal Response shall be TERMINAL RESPONSE: SEND DATA 1.1.1.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

27.22.4.29.2.2.4.2 Procedure

Expected sequence 2.2 (RECEIVE DATA, with Text Attribute – Center Alignment)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP EVENT LIST | |
| | | 1.1.1 PENDING | |
| 2 | $ME \to UICC$ | | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP EVENT LIST | |
| | | 1.1.1 | |
| 4 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SET UP EVENT LIST | |
| | | 1.1.1 | |
| 5 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: OPEN | See initial conditions |
| | | CHANNEL 1.1.1 | |
| 6 | $ME \rightarrow UICC$ | | |
| 7 | $UICC \to ME$ | PROACTIVE COMMAND: OPEN CHANNEL | |
| | | 1.1.1 | |
| 8 | ME 	o | The ME may display channel opening information | |
| | USER | | |
| 9 | $ME \rightarrow USS$ | PDP context activation request | |
| 10 | $USS \rightarrow ME$ | PDP context activation accept | |
| 11 | | TERMINAL RESPONSE: OPEN CHANNEL | [Command performed successfully] |
| | , , , , | 1.1.1A | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |
| | | or | |
| | | TERMINAL RESPONSE: OPEN CHANNEL | |
| | | 1.1.1B | |
| 12 | $UICC \rightarrow MF$ | PROACTIVE COMMAND PENDING: SEND | |
| | | DATA 1.1.1 | |
| 13 | $ME \rightarrow UICC$ | | |
| 14 | | PROACTIVE COMMAND: SEND DATA | |
| | 0.00 / | (immediate) 1.1.1 | |
| 15 | MF → USS | Transfer of 8 Bytes of data to the USS through | [To retrieve ME's port number] |
| | , , , | channel 1 | [] |
| 16 | ME → UICC | TERMINAL RESPONSE: SEND DATA | [Command performed successfully] |
| | | (immediate) 1.1.1 | , , , |
| 17 | $USS \rightarrow ME$ | Transfer of 400 Bytes data to the ME through | |
| | | channel 1 using the ME's port number, which was | |
| | | retrieved in step 15 | |
| 18 | $ME \rightarrow UICC$ | ENVELOPE: EVENT DOWNLOAD - Data | (400 Bytes of data in the ME buffer) |
| | | available 2.1.1 | |
| 19 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: RECEIVE | |
| | | DATA 2.2.1 | |
| 20 | $ME \rightarrow UICC$ | | |
| 21 | $UICC \to ME$ | PROACTIVE COMMAND: RECEIVE DATA 2.2.1 | 200 Bytes with alpha identifier is |
| | | | displayed with center alignment |
| 22 | | TERMINAL RESPONSE: RECEIVE DATA 2.2.1 | |
| 23 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: RECEIVE | |
| | | DATA 2.2.2 | |
| 24 | $ME \rightarrow UICC$ | FETCH | |
| 25 | | | 200 Bytes with alpha identifier shall be |
| | | | formatted without center alignment. |
| | | | Remark: If center alignment is the |
| | | | ME"s default alignment as declared in |
| | | | table A.2/21, no alignment change will |
| | | | take place |
| 26 | $ME \to UICC$ | TERMINAL RESPONSE: RECEIVE DATA 2.2.1 | |

PROACTIVE COMMAND: SEND DATA 1.1.1

Same as PROACTIVE COMMAND: SEND DATA 1.1.1 in clause 27.22.4.29.1.4.2.

TERMINAL RESPONSE: SEND DATA 1.1.1

Same as TERMINAL RESPONSE: SEND DATA 1.1.1 in clause 27.22.4.29.1.4.2.

ENVELOPE: EVENT DOWNLOAD - Data available 2.1.1

Same as cl. 27.22.4.29.2.1.4.2, ENVELOPE: EVENT DOWNLOAD - Data available 2.1.1.

PROACTIVE COMMAND: RECEIVE DATA 2.2.1

Logically:

Command details

Command number:

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Receive Data 1"

Channel Data Length

Channel Data Length: 200

Text Attribute

Formatting position: 0 Formatting length: 14

Formatting mode: Center Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 22 | 81 | 03 | 01 | 42 | 00 | 82 | 02 | 81 | 21 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| _ | 0E | 52 | 65 | 63 | 65 | 69 | 76 | 65 | 20 | 44 | 61 | 74 |
| | 61 | 20 | 31 | B7 | 01 | C8 | D0 | 04 | 00 | 0E | 01 | B4 |

PROACTIVE COMMAND: RECEIVE DATA 2.2.2

Logically:

Command details

Command number:

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Receive Data 2"

Channel Data Length

Channel Data Length: 200

Coding:

| BER-TLV: | D0 | 1C | 81 | 03 | 01 | 42 | 00 | 82 | 02 | 81 | 21 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| - | 0E | 52 | 65 | 63 | 65 | 69 | 76 | 65 | 20 | 44 | 61 | 74 |
| | 61 | 20 | 32 | B7 | 01 | C8 | | | | | | |

TERMINAL RESPONSE: RECEIVE DATA 2.2.1

Logically:

Command details

Command number: 1

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully Channel Data : 00 01 02 .. C7 (200 Bytes of data)

Channel data length: FF

Coding:

| BER-TLV: | 81 | 03 | 01 | 42 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| _ | B6 | 81 | C8 | 00 | 01 | 02 | | C7 | B7 | 01 | FF | |

27.22.4.29.2.2.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 2.2.

27.22.4.29.2.3 RECEIVE DATA (support of Text Attribute – Right Alignment)

27.22.4.29.2.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.29.2.3.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.29.2.3.3 Test purpose

To verify that the ME shall display the alpha identifier according to the right alignment text attribute configuration in the RECEIVE DATA proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.29.2.3.4 Method of test

27.22.4.29.2.3.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS. The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The channel identifier value used for these tests is set to 1 as an example.

This channel identifier is dependent on the ME"s default channel identifier as declared in table A.2/27.

The PROACTIVE COMMAND: SEND DATA 1.1.1 shall be performed successfully to detect the ME's port number, which has to be addressed by the network simulator when data has to be transmitted to the card. The corresponding Terminal Response shall be TERMINAL RESPONSE: SEND DATA 1.1.1.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

27.22.4.29.2.3.4.2 Procedure

Expected sequence 2.3 (RECEIVE DATA, with Text Attribute – Right Alignment)

| Step | Direction | MESSAGE / Action | Comments |
|----------|-----------------------|--|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP EVENT LIST | |
| | | 1.1.1 PENDING | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP EVENT LIST | |
| 4 | ME → UICC | TERMINAL RESPONSE: SET UP EVENT LIST | |
| 7 | IVIL -> OICC | 1.1.1 | |
| 5 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: OPEN | See initial conditions |
| | | CHANNEL 1.1.1 | |
| 6 | | FETCH | |
| 7 | $UICC \to ME$ | PROACTIVE COMMAND: OPEN CHANNEL | |
| | | 1.1.1 | |
| 8 | ME → USER | The ME may display channel opening information | |
| 9 | ME → USS | PDP context activation request | |
| 10 | USS → ME | PDP context activation accept | [Company of monto was add access of city] |
| 11 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A | [Command performed successfully] |
| | | or | |
| | | TERMINAL RESPONSE: OPEN CHANNEL | |
| | | 1.1.1B | |
| 12 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND | |
| | | DATA 1.1.1 | |
| 13 | $ME \rightarrow UICC$ | FETCH | |
| 14 | $UICC \to ME$ | PROACTIVE COMMAND: SEND DATA | |
| 15 | ME LICC | (immediate) 1.1.1 Transfer of 8 Bytes of data to the USS through | [To retrieve ME's port number] |
| 13 | $ME \rightarrow USS$ | Ichannel 1 | [10 retrieve ivic s port ridiriber] |
| 16 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND DATA | [Command performed successfully] |
| | | (immediate) 1.1.1 | , |
| 17 | $USS \to ME$ | Transfer of 400 Bytes data to the ME through | |
| | | channel 1 using the ME's port number, which was | |
| 4.0 | | retrieved in step 15 | (400 5 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 |
| 18 | $ME \rightarrow UICC$ | ENVELOPE: EVENT DOWNLOAD - Data | (400 Bytes of data in the ME buffer) |
| 19 | $UICC \to ME$ | available 2.1.1 PROACTIVE COMMAND PENDING: RECEIVE | |
| 19 | | DATA 2.3.1 | |
| 20 | $ME \rightarrow UICC$ | FETCH | |
| 21 | $UICC \to ME$ | | 200 Bytes with alpha identifier is |
| | | | displayed with right alignment |
| 22 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: RECEIVE DATA 2.3.1 | |
| 23 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: RECEIVE | |
| 0.4 | ME | DATA 2.3.2 | |
| 24 25 | ME → UICC | FETCH | 200 Putos with alpha identifier shall be |
| 25 | $UICC \to ME$ | PROACTIVE COMMAND: RECEIVE DATA 2.3.2 | 200 Bytes with alpha identifier shall be formatted without right alignment. |
| | | | Remark: If right alignment is the ME"s |
| | | | default alignment as declared in table |
| | | | A.2/21, no alignment change will take |
| | | | place |
| 26 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: RECEIVE DATA 2.3.1 | |

PROACTIVE COMMAND: SEND DATA 1.1.1

Same as PROACTIVE COMMAND: SEND DATA 1.1.1 in clause 27.22.4.29.1.4.2.

TERMINAL RESPONSE: SEND DATA 1.1.1

Same as TERMINAL RESPONSE: SEND DATA 1.1.1 in clause 27.22.4.29.1.4.2.

ENVELOPE: EVENT DOWNLOAD - Data available 2.1.1

Same as cl. 27.22.4.29.2.1.4.2, ENVELOPE: EVENT DOWNLOAD - Data available 2.1.1.

PROACTIVE COMMAND: RECEIVE DATA 2.3.1

Logically:

Command details

Command number: 1

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Receive Data 1"

Channel Data Length

Channel Data Length: 200

Text Attribute

Formatting position: 0 Formatting length: 14

Formatting mode: Right Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 22 | 81 | 03 | 01 | 42 | 00 | 82 | 02 | 81 | 21 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0E | 52 | 65 | 63 | 65 | 69 | 76 | 65 | 20 | 44 | 61 | 74 |
| | 61 | 20 | 31 | B7 | 01 | C8 | D0 | 04 | 00 | 0E | 02 | B4 |

PROACTIVE COMMAND: RECEIVE DATA 2.3.2

Logically:

Command details

Command number:

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Receive Data 2"

Channel Data Length

Channel Data Length: 200

Coding:

| BER-TLV: | D0 | 1C | 81 | 03 | 01 | 42 | 00 | 82 | 02 | 81 | 21 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0E | 52 | 65 | 63 | 65 | 69 | 76 | 65 | 20 | 44 | 61 | 74 |
| | 61 | 20 | 32 | B7 | 01 | C8 | | | | | | |

TERMINAL RESPONSE: RECEIVE DATA 2.3.1

Logically:

Command details

Command number: 1

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully Channel Data : 00 01 02 .. C7 (200 Bytes of data)

Channel data length: FF

Coding:

| BER-TLV: | 81 | 03 | 01 | 42 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | B6 | 81 | C8 | 00 | 01 | 02 | | C7 | B7 | 01 | FF | |

27.22.4.29.2.3.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 2.3.

27.22.4.29.2.4 RECEIVE DATA (support of Text Attribute – Large Font Size)

27.22.4.29.2.4.1 Definition and applicability

See clause 3.2.2.

27.22.4.29.2.4.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.29.2.4.3 Test purpose

To verify that the ME shall display the alpha identifier according to the large font size text attribute configuration in the RECEIVE DATA proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.29.2.4.4 Method of test

27.22.4.29.2.4.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS. The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The channel identifier value used for these tests is set to 1 as an example.

This channel identifier is dependent on the ME"s default channel identifier as declared in table A.2/27.

The PROACTIVE COMMAND: SEND DATA 1.1.1 shall be performed successfully to detect the ME's port number, which has to be addressed by the network simulator when data has to be transmitted to the card. The corresponding Terminal Response shall be TERMINAL RESPONSE: SEND DATA 1.1.1.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

27.22.4.29.2.4.4.2 Procedure

Expected sequence 2.4 (RECEIVE DATA, with Text Attribute – Large Font Size)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP EVENT LIST | |
| _ | | 1.1.1 PENDING | |
| 2 | ME → UICC | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP EVENT LIST | |
| 4 | ME LUCC | 1.1.1 TERMINAL RESPONSE: SET UP EVENT LIST | |
| 4 | $ME \rightarrow UICC$ | 1.1.1 | |
| 5 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: OPEN | See initial conditions |
| | | CHANNEL 1.1.1 | oce miliai conditions |
| 6 | $ME \rightarrow UICC$ | FETCH | |
| 7 | $UICC \to ME$ | PROACTIVE COMMAND: OPEN CHANNEL | |
| | | 1.1.1 | |
| 8 | $ME \rightarrow USER$ | The ME may display channel opening information | |
| 9 | $ME \rightarrow USS$ | PDP context activation request | |
| 10 | $USS \to ME$ | PDP context activation accept | |
| 11 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: OPEN CHANNEL | [Command performed successfully] |
| | | 1.1.1A | |
| | | OF | |
| | | TERMINAL RESPONSE: OPEN CHANNEL | |
| 12 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND | |
| 12 | | DATA 1.1.1 | |
| 13 | $ME \rightarrow UICC$ | FETCH | |
| 14 | $UICC \to ME$ | PROACTIVE COMMAND: SEND DATA | |
| | | (immediate) 1.1.1 | |
| 15 | $ME \to USS$ | Transfer of 8 Bytes of data to the USS through | [To retrieve ME's port number] |
| | | channel 1 | |
| 16 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND DATA | [Command performed successfully] |
| 17 | LICO ME | (immediate) 1.1.1 | |
| 17 | $USS \to ME$ | Transfer of 800 Bytes data to the ME through channel 1 using the ME's port number, which was | |
| | | retrieved in step 15 | |
| 18 | $ME \rightarrow UICC$ | ENVELOPE: EVENT DOWNLOAD - Data | (800 Bytes of data in the ME buffer) |
| | | available 2.1.1 | <u> </u> |
| 19 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: RECEIVE | |
| | | DATA 2.4.1 | |
| 20 | $ME \rightarrow UICC$ | FETCH | 000 5 |
| 21 | $UICC \to ME$ | PROACTIVE COMMAND: RECEIVE DATA 2.4.1 | 200 Bytes with alpha identifier is |
| 22 | ME → UICC | TERMINAL RESPONSE: RECEIVE DATA 2.4.1 | displayed with large font size |
| 23 | $UICC \rightarrow ME$ | PROACTIVE COMMAND PENDING: RECEIVE | |
| 20 | | DATA 2.4.2 | |
| 24 | $ME \rightarrow UICC$ | FETCH | |
| 25 | $UICC \rightarrow ME$ | PROACTIVE COMMAND: RECEIVE DATA 2.4.2 | 200 Bytes with alpha identifier is |
| | | | displayed with normal font size |
| 26 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: RECEIVE DATA 2.4.1 | |
| 27 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: RECEIVE | |
| 00 | NAE : | DATA 2.4.1 | |
| 28 | ME → UICC | FETCH | 200 Distance with alpha ideas the attention in |
| 29 | $UICC \to ME$ | PROACTIVE COMMAND: RECEIVE DATA 2.4.1 | 200 Bytes with alpha identifier is displayed with large font size |
| 30 | ME → UICC | TERMINAL RESPONSE: RECEIVE DATA 2.4.1 | uispiayeu witii large lont size |
| 31 | $VICC \rightarrow ME$ | PROACTIVE COMMAND PENDING: RECEIVE | |
| | | DATA 2.4.3 | |
| 32 | $ME \rightarrow UICC$ | FETCH | |
| 33 | $UICC \rightarrow ME$ | | 200 Bytes with alpha identifier is |
| | | | displayed with normal font size |
| 34 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: RECEIVE DATA 2.4.1 | |

PROACTIVE COMMAND: SEND DATA 1.1.1

Same as PROACTIVE COMMAND: SEND DATA 1.1.1 in clause 27.22.4.29.1.4.2.

TERMINAL RESPONSE: SEND DATA 1.1.1

Same as TERMINAL RESPONSE: SEND DATA 1.1.1 in clause 27.22.4.29.1.4.2.

ENVELOPE: EVENT DOWNLOAD - Data available 2.1.1

Same as cl. 27.22.4.29.2.1.4.2, ENVELOPE: EVENT DOWNLOAD - Data available 2.1.1.

PROACTIVE COMMAND: RECEIVE DATA 2.4.1

Logically:

Command details

Command number: 1

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Receive Data 1"

Channel Data Length

Channel Data Length: 200

Text Attribute

Formatting position: 0 Formatting length: 14

Formatting mode: Left Alignment, Large Font, Bold On, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 22 | 81 | 03 | 01 | 42 | 00 | 82 | 02 | 81 | 21 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0E | 52 | 65 | 63 | 65 | 69 | 76 | 65 | 20 | 44 | 61 | 74 |
| | 61 | 20 | 31 | B7 | 01 | C8 | D0 | 04 | 00 | 0E | 04 | B4 |

PROACTIVE COMMAND: RECEIVE DATA 2.4.2

Logically:

Command details

Command number: 1

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Receive Data 2"

Channel Data Length

Channel Data Length: 200

Text Attribute

Formatting position: 0 Formatting length: 14

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 22 | 81 | 03 | 01 | 42 | 00 | 82 | 02 | 81 | 21 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0E | 52 | 65 | 63 | 65 | 69 | 76 | 65 | 20 | 44 | 61 | 74 |
| | 61 | 20 | 32 | B7 | 01 | C8 | D0 | 04 | 00 | 0E | 00 | B4 |

PROACTIVE COMMAND: RECEIVE DATA 2.4.3

Logically:

Command details

Command number:

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Receive Data 3"

Channel Data Length

Channel Data Length: 200

Coding:

| BER-TLV: | D0 | 1C | 81 | 03 | 01 | 42 | 00 | 82 | 02 | 81 | 21 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0E | 52 | 65 | 63 | 65 | 69 | 76 | 65 | 20 | 44 | 61 | 74 |
| | 61 | 20 | 33 | B7 | 01 | C8 | | | | | | |

TERMINAL RESPONSE: RECEIVE DATA 2.4.1

Logically:

Command details

Command number:

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully Channel Data : 00 01 02 .. C7 (200 Bytes of data)

Channel data length: FF

Coding:

| BER-TLV: | 81 | 03 | 01 | 42 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | B6 | 81 | C8 | 00 | 01 | 02 | | C7 | B7 | 01 | FF | |

27.22.4.29.2.4.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 2.4.

27.22.4.29.2.5 RECEIVE DATA (support of Text Attribute – Small Font Size)

27.22.4.29.2.5.1 Definition and applicability

See clause 3.2.2.

27.22.4.29.2.5.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.29.2.5.3 Test purpose

To verify that the ME shall display the alpha identifier according to small font size the text attribute configuration in the RECEIVE DATA proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.29.2.5.4 Method of test

27.22.4.29.2.5.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS. The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The channel identifier value used for these tests is set to 1 as an example.

This channel identifier is dependent on the ME"s default channel identifier as declared in table A.2/27.

The PROACTIVE COMMAND: SEND DATA 1.1.1 shall be performed successfully to detect the ME's port number, which has to be addressed by the network simulator when data has to be transmitted to the card. The corresponding Terminal Response shall be TERMINAL RESPONSE: SEND DATA 1.1.1.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

27.22.4.29.2.5.4.2 Procedure

Expected sequence 2.5 (RECEIVE DATA, with Text Attribute – Small Font Size)

| Step | Direction | MESSAGE / Action | Comments |
|------|---|---|--------------------------------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP EVENT LIST | |
| | | 1.1.1 PENDING | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP EVENT LIST | |
| _ | | 1.1.1 | |
| 4 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SET UP EVENT LIST | |
| 5 | LUCC ME | 1.1.1 PROACTIVE COMMAND PENDING: OPEN | See initial conditions |
| 3 | $UICC \to ME$ | CHANNEL 1.1.1 | See Illitial Collditions |
| 6 | $ME \rightarrow UICC$ | FETCH | |
| 7 | UICC → ME | PROACTIVE COMMAND: OPEN CHANNEL | |
| ' | OIOO / IVIL | 1.1.1 | |
| 8 | $ME \rightarrow USER$ | The ME may display channel opening information | |
| 9 | $ME \to USS$ | PDP context activation request | |
| 10 | $USS \to ME$ | PDP context activation accept | |
| 11 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: OPEN CHANNEL | [Command performed successfully] |
| | | 1.1.1A | |
| | | or | |
| | | TERMINAL RESPONSE: OPEN CHANNEL | |
| 4.0 | | 1.1.1B | |
| 12 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND | |
| 13 | ME → UICC | DATA 1.1.1 FETCH | |
| 14 | | PROACTIVE COMMAND: SEND DATA | |
| 14 | $UICC \to ME$ | (immediate) 1.1.1 | |
| 15 | $ME \to USS$ | Transfer of 8 Bytes of data to the USS through | [To retrieve ME's port number] |
| 10 | IVIL -> 000 | Ichannel 1 | [10 retrieve iviz 3 port riumber] |
| 16 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND DATA | [Command performed successfully] |
| | / 5.55 | (immediate) 1.1.1 | [, |
| 17 | $USS \to ME$ | Transfer of 800 Bytes data to the ME through | |
| | | channel 1 using the ME's port number, which was | |
| | | retrieved in step 15 | |
| 18 | $ME \rightarrow UICC$ | ENVELOPE: EVENT DOWNLOAD - Data | (800 Bytes of data in the ME buffer) |
| 40 | | available 2.1.1 | |
| 19 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: RECEIVE DATA 2.5.1 | |
| 20 | $ME \to UICC$ | FETCH | |
| 21 | $UICC \to ME$ | | 200 Bytes with alpha identifier is |
| | | TRONGTIVE GOIVINITING: REGEIVE BATTA 2.5.1 | displayed with small font size |
| 22 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: RECEIVE DATA 2.5.1 | diopiayod with ornali forti 6/26 |
| 23 | UICC → ME | PROACTIVE COMMAND PENDING: RECEIVE | |
| | 0.00 / | DATA 2.5.2 | |
| 24 | $ME \rightarrow UICC$ | FETCH | |
| 25 | $UICC \to ME$ | PROACTIVE COMMAND: RECEIVE DATA 2.5.2 | 200 Bytes with alpha identifier is |
| | | | displayed with normal font size |
| 26 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: RECEIVE DATA 2.5.1 | |
| 27 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: RECEIVE | |
| | | DATA 2.5.1 | |
| 28 | ME → UICC | FETCH | 200 Peter with alabert 1 gg : |
| 29 | $UICC \to ME$ | PROACTIVE COMMAND: RECEIVE DATA 2.5.1 | 200 Bytes with alpha identifier is |
| 30 | ME VIICO | TERMINAL RESPONSE: RECEIVE DATA 2.5.1 | displayed with small font size |
| 31 | $ME \rightarrow UICC$ $UICC \rightarrow ME$ | PROACTIVE COMMAND PENDING: RECEIVE | |
| 31 | | DATA 2.5.3 | |
| 32 | $ME \rightarrow UICC$ | FETCH | |
| 33 | $UICC \rightarrow ME$ | | 200 Bytes with alpha identifier is |
| | J.00 / WIL | 2 | displayed with normal font size |
| 34 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: RECEIVE DATA 2.5.1 | |
| | | • | |

PROACTIVE COMMAND: SEND DATA 1.1.1

Same as PROACTIVE COMMAND: SEND DATA 1.1.1 in clause 27.22.4.29.1.4.2.

TERMINAL RESPONSE: SEND DATA 1.1.1

Same as TERMINAL RESPONSE: SEND DATA 1.1.1 in clause 27.22.4.29.1.4.2.

ENVELOPE: EVENT DOWNLOAD - Data available 2.1.1

Same as cl. 27.22.4.29.2.1.4.2, ENVELOPE: EVENT DOWNLOAD - Data available 2.1.1.

PROACTIVE COMMAND: RECEIVE DATA 2.5.1

Logically:

Command details

Command number: 1

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Receive Data 1"

Channel Data Length

Channel Data Length: 200

Text Attribute

Formatting position: 0 Formatting length: 14

Formatting mode: Left Alignment, Small Font, Bold On, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 22 | 81 | 03 | 01 | 42 | 00 | 82 | 02 | 81 | 21 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0E | 52 | 65 | 63 | 65 | 69 | 76 | 65 | 20 | 44 | 61 | 74 |
| | 61 | 20 | 31 | B7 | 01 | C8 | D0 | 04 | 00 | 0E | 08 | B4 |

PROACTIVE COMMAND: RECEIVE DATA 2.5.2

Logically:

Command details

Command number: 1

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Receive Data 2"

Channel Data Length

Channel Data Length: 200

Text Attribute

Formatting position: 0 Formatting length: 14

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 22 | 81 | 03 | 01 | 42 | 00 | 82 | 02 | 81 | 21 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0E | 52 | 65 | 63 | 65 | 69 | 76 | 65 | 20 | 44 | 61 | 74 |
| | 61 | 20 | 32 | B7 | 01 | C8 | D0 | 04 | 00 | 0E | 00 | B4 |

PROACTIVE COMMAND: RECEIVE DATA 2.5.3

Logically:

Command details

Command number:

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Receive Data 3"

Channel Data Length

Channel Data Length: 200

Coding:

| BER-TLV: | D0 | 1C | 81 | 03 | 01 | 42 | 00 | 82 | 02 | 81 | 21 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0E | 52 | 65 | 63 | 65 | 69 | 76 | 65 | 20 | 44 | 61 | 74 |
| | 61 | 20 | 33 | B7 | 01 | C8 | | | | | | |

TERMINAL RESPONSE: RECEIVE DATA 2.5.1

Logically:

Command details

Command number:

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: ME Destination device: UICC

Result

General Result: Command performed successfully Channel Data : 00 01 02 .. C7 (200 Bytes of data)

Channel data length: FF

Coding:

| BER-TLV: | 81 | 03 | 01 | 42 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | B6 | 81 | C8 | 00 | 01 | 02 | | C7 | B7 | 01 | FF | |

27.22.4.29.2.5.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 2.5.

27.22.4.29.2.6 RECEIVE DATA (support of Text Attribute – Bold On)

27.22.4.29.2.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.29.2.6.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.29.2.6.3 Test purpose

To verify that the ME shall display the alpha identifier according to the bold text attribute configuration in the RECEIVE DATA proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.29.2.6.4 Method of test

27.22.4.29.2.6.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS. The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The channel identifier value used for these tests is set to 1 as an example.

This channel identifier is dependent on the ME"s default channel identifier as declared in table A.2/27.

The PROACTIVE COMMAND: SEND DATA 1.1.1 shall be performed successfully to detect the ME's port number, which has to be addressed by the network simulator when data has to be transmitted to the card. The corresponding Terminal Response shall be TERMINAL RESPONSE: SEND DATA 1.1.1.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

27.22.4.29.2.6.4.2 Procedure

Expected sequence 2.6 (RECEIVE DATA, with Text Attribute – Bold On)

| Step | Direction | MESSAGE / Action | Comments |
|------|---|---|--------------------------------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP EVENT LIST | |
| | | 1.1.1 PENDING | |
| 2 | | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP EVENT LIST | |
| 4 | ME → UICC | TERMINAL RESPONSE: SET UP EVENT LIST | |
| 1 ' | IVIL -> 0100 | 1.1.1 | |
| 5 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: OPEN | See initial conditions |
| | | CHANNEL 1.1.1 | |
| 6 | $ME \rightarrow UICC$ | FETCH | |
| 7 | $UICC \to ME$ | PROACTIVE COMMAND: OPEN CHANNEL | |
| | ME LICED | 1.1.1 | |
| 8 9 | $ME \rightarrow USER$ | The ME may display channel opening information PDP context activation request | |
| 10 | USS → ME | PDP context activation request | |
| 11 | ME → UICC | TERMINAL RESPONSE: OPEN CHANNEL | [Command performed successfully] |
| '' | WIE 7 0100 | 1.1.1A | [Command ponomica successiony] |
| | | or | |
| | | TERMINAL RESPONSE: OPEN CHANNEL | |
| 40 | | 1.1.1B | |
| 12 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND DATA 1.1.1 | |
| 13 | ME → UICC | FETCH | |
| 14 | UICC → ME | PROACTIVE COMMAND: SEND DATA | |
| | OIGG / IVIL | (immediate) 1.1.1 | |
| 15 | $ME \rightarrow USS$ | Transfer of 8 Bytes of data to the USS through | [To retrieve ME's port number] |
| | | channel 1 | |
| 16 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND DATA | [Command performed successfully] |
| 17 | LICC ME | (immediate) 1.1.1 Transfer of 800 Bytes data to the ME through | |
| '' | $USS \to ME$ | channel 1 using the ME's port number, which was | |
| | | retrieved in step 15 | |
| 18 | $ME \rightarrow UICC$ | ENVELOPE: EVENT DOWNLOAD - Data | (800 Bytes of data in the ME buffer) |
| | | available 2.1.1 | |
| 19 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: RECEIVE | |
| 20 | ME | DATA 2.6.1 FETCH | |
| 20 | $\begin{array}{c} ME \to UICC \\ UICC \to ME \end{array}$ | PROACTIVE COMMAND: RECEIVE DATA 2.6.1 | 200 Bytes with alpha identifier is |
| | | TROADTIVE COMMINIAND. RECEIVE DATA 2.0.1 | displayed with bold on |
| 22 | ME → UICC | TERMINAL RESPONSE: RECEIVE DATA 2.6.1 | anophayou man sona on |
| 23 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: RECEIVE | |
| | | DATA 2.6.2 | |
| 24 | | FETCH | |
| 25 | $UICC \to ME$ | PROACTIVE COMMAND: RECEIVE DATA 2.6.2 | |
| 26 | ME → UICC | TERMINAL RESPONSE: RECEIVE DATA 2.6.1 | displayed with bold off |
| 27 | $VICC \rightarrow ME$ | PROACTIVE COMMAND PENDING: RECEIVE | |
| | | DATA 2.6.1 | |
| 28 | $ME \rightarrow UICC$ | FETCH | |
| 29 | $UICC \to ME$ | PROACTIVE COMMAND: RECEIVE DATA 2.6.1 | 200 Bytes with alpha identifier is |
| | | | displayed with bold on |
| 30 | ME → UICC | TERMINAL RESPONSE: RECEIVE DATA 2.6.1 | |
| 31 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: RECEIVE DATA 2.6.3 | |
| 32 | ME → UICC | FETCH | |
| 33 | $UICC \to ME$ | PROACTIVE COMMAND: RECEIVE DATA 2.6.3 | 200 Bytes with alpha identifier is |
| | | | displayed with bold off |
| 34 | $ME \to UICC$ | TERMINAL RESPONSE: RECEIVE DATA 2.6.1 | |

PROACTIVE COMMAND: SEND DATA 1.1.1

Same as PROACTIVE COMMAND: SEND DATA 1.1.1 in clause 27.22.4.29.1.4.2.

TERMINAL RESPONSE: SEND DATA 1.1.1

Same as TERMINAL RESPONSE: SEND DATA 1.1.1 in clause 27.22.4.29.1.4.2.

ENVELOPE: EVENT DOWNLOAD - Data available 2.1.1

Same as cl. 27.22.4.29.2.1.4.2, ENVELOPE: EVENT DOWNLOAD - Data available 2.1.1.

PROACTIVE COMMAND: RECEIVE DATA 2.6.1

Logically:

Command details

Command number: 1

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Receive Data 1"

Channel Data Length

Channel Data Length: 200

Text Attribute

Formatting position: 0 Formatting length: 14

Formatting mode: Left Alignment, Normal Font, Bold On, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 22 | 81 | 03 | 01 | 42 | 00 | 82 | 02 | 81 | 21 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0E | 52 | 65 | 63 | 65 | 69 | 76 | 65 | 20 | 44 | 61 | 74 |
| | 61 | 20 | 31 | B7 | 01 | C8 | D0 | 04 | 00 | 0E | 10 | B4 |

PROACTIVE COMMAND: RECEIVE DATA 2.6.2

Logically:

Command details

Command number: 1

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Receive Data 2"

Channel Data Length

Channel Data Length: 200

Text Attribute

Formatting position: 0 Formatting length: 14

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 22 | 81 | 03 | 01 | 42 | 00 | 82 | 02 | 81 | 21 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0E | 52 | 65 | 63 | 65 | 69 | 76 | 65 | 20 | 44 | 61 | 74 |
| | 61 | 20 | 32 | B7 | 01 | C8 | D0 | 04 | 00 | 0E | 00 | B4 |

PROACTIVE COMMAND: RECEIVE DATA 2.6.3

Logically:

Command details

Command number:

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Receive Data 3"

Channel Data Length

Channel Data Length: 200

Coding:

| BER-TLV: | D0 | 1C | 81 | 03 | 01 | 42 | 00 | 82 | 02 | 81 | 21 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0E | 52 | 65 | 63 | 65 | 69 | 76 | 65 | 20 | 44 | 61 | 74 |
| | 61 | 20 | 33 | B7 | 01 | C8 | | | | | | |

TERMINAL RESPONSE: RECEIVE DATA 2.6.1

Logically:

Command details

Command number:

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: ME Destination device: UICC

Result

General Result: Command performed successfully Channel Data : 00 01 02 .. C7 (200 Bytes of data)

Channel data length: FF

Coding:

| BER-TLV: | 81 | 03 | 01 | 42 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | B6 | 81 | C8 | 00 | 01 | 02 | | C7 | B7 | 01 | FF | |

27.22.4.29.2.6.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 2.6.

27.22.4.29.2.7 RECEIVE DATA (support of Text Attribute – Italic On)

27.22.4.29.2.7.1 Definition and applicability

See clause 3.2.2.

27.22.4.29.2.7.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.29.2.7.3 Test purpose

To verify that the ME shall display the alpha identifier according to the italic text attribute configuration in the RECEIVE DATA proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.29.2.7.4 Method of test

27.22.4.29.2.7.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS. The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The channel identifier value used for these tests is set to 1 as an example.

This channel identifier is dependent on the ME"s default channel identifier as declared in table A.2/27.

The PROACTIVE COMMAND: SEND DATA 1.1.1 shall be performed successfully to detect the ME's port number, which has to be addressed by the network simulator when data has to be transmitted to the card. The corresponding Terminal Response shall be TERMINAL RESPONSE: SEND DATA 1.1.1.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

27.22.4.29.2.7.4.2 Procedure

Expected sequence 2.7 (RECEIVE DATA, with Text Attribute – Italic On)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP EVENT LIST | |
| | | 1.1.1 PENDING | |
| 2 | ME → UICC | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP EVENT LIST | |
| 4 | ME LUCC | 1.1.1 TERMINAL RESPONSE: SET UP EVENT LIST | |
| 4 | $ME \rightarrow UICC$ | 1.1.1 | |
| 5 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: OPEN | See initial conditions |
| | OIGG / WIE | CHANNEL 1.1.1 | oce ministration of the state o |
| 6 | $ME \rightarrow UICC$ | FETCH | |
| 7 | $UICC \to ME$ | PROACTIVE COMMAND: OPEN CHANNEL | |
| | | 1.1.1 | |
| 8 | $ME \rightarrow USER$ | The ME may display channel opening information | |
| 9 | $ME \rightarrow USS$ | PDP context activation request | |
| 10 | $USS \to ME$ | PDP context activation accept | |
| 11 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: OPEN CHANNEL | [Command performed successfully] |
| | | 1.1.1A | |
| | | OF | |
| | | TERMINAL RESPONSE: OPEN CHANNEL | |
| 12 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND | |
| 12 | | DATA 1.1.1 | |
| 13 | $ME \rightarrow UICC$ | FETCH | |
| 14 | $UICC \to ME$ | PROACTIVE COMMAND: SEND DATA | |
| | | (immediate) 1.1.1 | |
| 15 | $ME \to USS$ | Transfer of 8 Bytes of data to the USS through | [To retrieve ME's port number] |
| | | channel 1 | |
| 16 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND DATA | [Command performed successfully] |
| 47 | 1100 145 | (immediate) 1.1.1 | |
| 17 | $USS \to ME$ | Transfer of 800 Bytes data to the ME through channel 1 using the ME's port number, which was | |
| | | retrieved in step 15 | |
| 18 | $ME \rightarrow UICC$ | ENVELOPE: EVENT DOWNLOAD - Data | (800 Bytes of data in the ME buffer) |
| | WE 70100 | available 2.1.1ENVELOPE | (coo bytos of data in the ME bullet) |
| 19 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: RECEIVE | |
| | | DATA 2.7.1 | |
| 20 | $ME \rightarrow UICC$ | FETCH | |
| 21 | $UICC \to ME$ | PROACTIVE COMMAND: RECEIVE DATA 2.7.1 | 200 Bytes with alpha identifier is |
| 00 | | TERMINAL RESPONSE RESENTEDATA S.7.4 | displayed with italic on |
| 22 | ME → UICC | TERMINAL RESPONSE: RECEIVE DATA 2.7.1 | |
| 23 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: RECEIVE DATA 2.7.2 | |
| 24 | ME → UICC | FETCH | |
| 25 | $UICC \rightarrow ME$ | PROACTIVE COMMAND: RECEIVE DATA 2.7.2 | 200 Bytes with alpha identifier is |
| | | TO TO THE COMMINGED RECEIVE DATA 2.1.2 | displayed with italic off |
| 26 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: RECEIVE DATA 2.7.1 | . , |
| 27 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: RECEIVE | |
| | | DATA 2.7.1 | |
| 28 | $ME \rightarrow UICC$ | FETCH | |
| 29 | $UICC \to ME$ | PROACTIVE COMMAND: RECEIVE DATA 2.7.1 | 200 Bytes with alpha identifier is |
| 00 | NAT 1 | TERMINAL DECRONOS DECENTS DATA CE 1 | displayed with italic on |
| 30 | ME → UICC | TERMINAL RESPONSE: RECEIVE DATA 2.7.1 | |
| 31 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: RECEIVE DATA 2.7.3 | |
| 32 | ME → UICC | FETCH | |
| 33 | $UICC \to ME$ | | 200 Bytes with alpha identifier is |
| 33 | | TO TO THE CONTINUITIES. INCOLING DATA 2.7.3 | displayed with italic off |
| 34 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: RECEIVE DATA 2.7.1 | |

PROACTIVE COMMAND: SEND DATA 1.1.1

Same as PROACTIVE COMMAND: SEND DATA 1.1.1 in clause 27.22.4.29.1.4.2.

TERMINAL RESPONSE: SEND DATA 1.1.1

Same as TERMINAL RESPONSE: SEND DATA 1.1.1 in clause 27.22.4.29.1.4.2.

ENVELOPE: EVENT DOWNLOAD - Data available 2.1.1

Same as cl. 27.22.4.29.2.1.4.2, ENVELOPE: EVENT DOWNLOAD - Data available 2.1.1.

PROACTIVE COMMAND: RECEIVE DATA 2.7.1

Logically:

Command details

Command number: 1

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Receive Data 1"

Channel Data Length

Channel Data Length: 200

Text Attribute

Formatting position: 0 Formatting length: 14

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic On, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 22 | 81 | 03 | 01 | 42 | 00 | 82 | 02 | 81 | 21 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0E | 52 | 65 | 63 | 65 | 69 | 76 | 65 | 20 | 44 | 61 | 74 |
| | 61 | 20 | 31 | B7 | 01 | C8 | D0 | 04 | 00 | 0E | 20 | B4 |

PROACTIVE COMMAND: RECEIVE DATA 2.7.2

Logically:

Command details

Command number: 1

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Receive Data 2"

Channel Data Length

Channel Data Length: 200

Text Attribute

Formatting position: 0 Formatting length: 14

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 22 | 81 | 03 | 01 | 42 | 00 | 82 | 02 | 81 | 21 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0E | 52 | 65 | 63 | 65 | 69 | 76 | 65 | 20 | 44 | 61 | 74 |
| | 61 | 20 | 32 | B7 | 01 | C8 | D0 | 04 | 00 | 0E | 00 | B4 |

PROACTIVE COMMAND: RECEIVE DATA 2.7.3

Logically:

Command details

Command number:

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Receive Data 3"

Channel Data Length

Channel Data Length: 200

Coding:

| BER-TLV: | D0 | 1C | 81 | 03 | 01 | 42 | 00 | 82 | 02 | 81 | 21 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0E | 52 | 65 | 63 | 65 | 69 | 76 | 65 | 20 | 44 | 61 | 74 |
| | 61 | 20 | 33 | B7 | 01 | C8 | | | | | | |

TERMINAL RESPONSE: RECEIVE DATA 2.7.1

Logically:

Command details

Command number:

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: ME Destination device: UICC

Result

General Result: Command performed successfully Channel Data : 00 01 02 .. C7 (200 Bytes of data)

Channel data length: FF

Coding:

| BER-TLV: | 81 | 03 | 01 | 42 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | B6 | 81 | C8 | 00 | 01 | 02 | | C7 | B7 | 01 | FF | |

27.22.4.29.2.7.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 2.7.

27.22.4.29.2.8 RECEIVE DATA (support of Text Attribute – Underline On)

27.22.4.29.2.8.1 Definition and applicability

See clause 3.2.2.

27.22.4.29.2.8.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.29.2.8.3 Test purpose

To verify that the ME shall display the alpha identifier according to the underline text attribute configuration in the RECEIVE DATA proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.29.2.8.4 Method of test

27.22.4.29.2.8.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS. The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The channel identifier value used for these tests is set to 1 as an example.

This channel identifier is dependent on the ME"s default channel identifier as declared in table A.2/27.

The PROACTIVE COMMAND: SEND DATA 1.1.1 shall be performed successfully to detect the ME's port number, which has to be addressed by the network simulator when data has to be transmitted to the card. The corresponding Terminal Response shall be TERMINAL RESPONSE: SEND DATA 1.1.1.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

27.22.4.29.2.8.4.2 Procedure

Expected sequence 2.8 (RECEIVE DATA, with Text Attribute – Underline On)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP EVENT LIST | |
| | | 1.1.1 PENDING | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP EVENT LIST | |
| | | 1.1.1 | |
| 4 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SET UP EVENT LIST | |
| _ | LUCC ME | 1.1.1 PROACTIVE COMMAND PENDING: OPEN | See initial conditions |
| 5 | $UICC \to ME$ | ICHANNEL 1.1.1 | See Illitial Collditions |
| 6 | ME → UICC | FETCH | |
| 7 | UICC → ME | PROACTIVE COMMAND: OPEN CHANNEL | |
| | 0.00 / | 1.1.1 | |
| 8 | $ME \rightarrow USER$ | The ME may display channel opening information | |
| 9 | $ME \to USS$ | PDP context activation request | |
| 10 | $USS \to ME$ | PDP context activation accept | |
| 11 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: OPEN CHANNEL | [Command performed successfully] |
| | | 1.1.1A | |
| | | or | |
| | | TERMINAL RESPONSE: OPEN CHANNEL | |
| 10 | LUCC ME | 1.1.1B | |
| 12 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND DATA 1.1.1 | |
| 13 | $ME \rightarrow UICC$ | FETCH | |
| 14 | UICC → ME | PROACTIVE COMMAND: SEND DATA | |
| ' ' | OIOO / IVIL | (immediate) 1.1.1 | |
| 15 | $ME \to USS$ | Transfer of 8 Bytes of data to the USS through | [To retrieve ME's port number] |
| | | channel 1 | |
| 16 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND DATA | [Command performed successfully] |
| | | (immediate) 1.1.1 | |
| 17 | $USS \to ME$ | Transfer of 800 Bytes data to the ME through | |
| | | channel 1 using the ME's port number, which was | |
| 18 | $ME \to UICC$ | retrieved in step 15 ENVELOPE: EVENT DOWNLOAD - Data | (800 kBytes of data in the ME buffer) |
| 10 | IVIE → UICC | available 2.1.1 | (600 kBytes of data in the ME buller) |
| 19 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: RECEIVE | |
| | OIGG / WIE | DATA 2.8.1 | |
| 20 | $ME \rightarrow UICC$ | FETCH | |
| 21 | $UICC \to ME$ | PROACTIVE COMMAND: RECEIVE DATA 2.8.1 | 200 Bytes with alpha identifier is |
| | | | displayed with underline on |
| 22 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: RECEIVE DATA 2.8.1 | |
| 23 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: RECEIVE | |
| 0.4 | NAT 1 | DATA 2.8.2 | |
| 24 | ME → UICC | FETCH | 200 Didge with alpha identification |
| 25 | $UICC \to ME$ | PROACTIVE COMMAND: RECEIVE DATA 2.8.2 | 200 Bytes with alpha identifier is displayed with underline off |
| 26 | $ME \to UICC$ | TERMINAL RESPONSE: RECEIVE DATA 2.8.1 | uispiayeu witti utiuefiifie oli |
| 27 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: RECEIVE | |
| | | DATA 2.8.1 | |
| 28 | $ME \rightarrow UICC$ | FETCH | |
| 29 | UICC → ME | PROACTIVE COMMAND: RECEIVE DATA 2.8.1 | 200 Bytes with alpha identifier is |
| | | | displayed with underline on |
| 30 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: RECEIVE DATA 2.8.1 | |
| 31 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: RECEIVE | |
| | | DATA 2.8.3 | |
| 32 | $ME \rightarrow UICC$ | FETCH | |
| 33 | $UICC \to ME$ | PROACTIVE COMMAND: RECEIVE DATA 2.8.3 | 200 Bytes with alpha identifier is |
| 24 | ME LUCC | TEDMINIAL DESDONISE, DECEIVE DATA 2.0.4 | displayed with underline off |
| 34 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: RECEIVE DATA 2.8.1 | |

PROACTIVE COMMAND: SEND DATA 1.1.1

Same as PROACTIVE COMMAND: SEND DATA 1.1.1 in clause 27.22.4.29.1.4.2.

TERMINAL RESPONSE: SEND DATA 1.1.1

Same as TERMINAL RESPONSE: SEND DATA 1.1.1 in clause 27.22.4.29.1.4.2.

ENVELOPE: EVENT DOWNLOAD - Data available 2.1.1

Same as cl. 27.22.4.29.2.1.4.2, ENVELOPE: EVENT DOWNLOAD - Data available 2.1.1.

PROACTIVE COMMAND: RECEIVE DATA 2.8.1

Logically:

Command details

Command number: 1

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Receive Data 1"

Channel Data Length

Channel Data Length: 200

Text Attribute

Formatting position: 0 Formatting length: 14

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline On,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 22 | 81 | 03 | 01 | 42 | 00 | 82 | 02 | 81 | 21 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0E | 52 | 65 | 63 | 65 | 69 | 76 | 65 | 20 | 44 | 61 | 74 |
| | 61 | 20 | 31 | B7 | 01 | C8 | D0 | 04 | 00 | 0E | 40 | B4 |

PROACTIVE COMMAND: RECEIVE DATA 2.8.2

Logically:

Command details

Command number: 1

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Receive Data 2"

Channel Data Length

Channel Data Length: 200

Text Attribute

Formatting position: 0 Formatting length: 14

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 22 | 81 | 03 | 01 | 42 | 00 | 82 | 02 | 81 | 21 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0E | 52 | 65 | 63 | 65 | 69 | 76 | 65 | 20 | 44 | 61 | 74 |
| | 61 | 20 | 32 | B7 | 01 | C8 | D0 | 04 | 00 | 0E | 00 | B4 |

PROACTIVE COMMAND: RECEIVE DATA 2.8.3

Logically:

Command details

Command number:

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Receive Data 3"

Channel Data Length

Channel Data Length: 200

Coding:

| BER-TLV: | D0 | 1C | 81 | 03 | 01 | 42 | 00 | 82 | 02 | 81 | 21 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0E | 52 | 65 | 63 | 65 | 69 | 76 | 65 | 20 | 44 | 61 | 74 |
| | 61 | 20 | 33 | B7 | 01 | C8 | | | | | | |

TERMINAL RESPONSE: RECEIVE DATA 2.8.1

Logically:

Command details

Command number: 1

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully Channel Data : 00 01 02 .. C7 (200 Bytes of data)

Channel data length: FF

Coding:

| BER-TLV: | 81 | 03 | 01 | 42 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | B6 | 81 | C8 | 00 | 01 | 02 | | C7 | B7 | 01 | FF | |

27.22.4.29.2.8.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 2.8.

27.22.4.29.2.9 RECEIVE DATA (support of Text Attribute – Strikethrough On)

27.22.4.29.2.9.1 Definition and applicability

See clause 3.2.2.

27.22.4.29.2.9.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

GPRS Parameters:

27.22.4.29.2.9.3 Test purpose

To verify that the ME shall display the alpha identifier according to the strikethrough text attribute configuration in the RECEIVE DATA proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.29.2.9.4 Method of test

27.22.4.29.2.9.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS. The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The channel identifier value used for these tests is set to 1 as an example.

This channel identifier is dependent on the ME"s default channel identifier as declared in table A.2/27.

The PROACTIVE COMMAND: SEND DATA 1.1.1 shall be performed successfully to detect the ME's port number, which has to be addressed by the network simulator when data has to be transmitted to the card. The corresponding Terminal Response shall be TERMINAL RESPONSE: SEND DATA 1.1.1.

Same GPRS Parameters as defined in 27.22.4.27.2.4.1

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

27.22.4.29.2.9.4.2 Procedure

Expected sequence 2.9 (RECEIVE DATA, with Text Attribute – Strikethrough On)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP EVENT LIST | |
| _ | | 1.1.1 PENDING | |
| 2 | ME → UICC | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP EVENT LIST | |
| 4 | ME LUCC | 1.1.1 TERMINAL RESPONSE: SET UP EVENT LIST | |
| 4 | $ME \rightarrow UICC$ | 1.1.1 | |
| 5 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: OPEN | See initial conditions |
| | OIGG / WIE | CHANNEL 1.1.1 | oce ministration of the state o |
| 6 | $ME \rightarrow UICC$ | FETCH | |
| 7 | $UICC \to ME$ | PROACTIVE COMMAND: OPEN CHANNEL | |
| | | 1.1.1 | |
| 8 | $ME \rightarrow USER$ | The ME may display channel opening information | |
| 9 | $ME \rightarrow USS$ | PDP context activation request | |
| 10 | $USS \to ME$ | PDP context activation accept | |
| 11 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: OPEN CHANNEL | [Command performed successfully] |
| | | 1.1.1A | |
| | | OF | |
| | | TERMINAL RESPONSE: OPEN CHANNEL | |
| 12 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND | |
| '- | OIOO / WIL | DATA 1.1.1 | |
| 13 | $ME \rightarrow UICC$ | FETCH | |
| 14 | $UICC \to ME$ | PROACTIVE COMMAND: SEND DATA | |
| | | (immediate) 1.1.1 | |
| 15 | $ME \rightarrow USS$ | Transfer of 8 Bytes of data to the USS through | [To retrieve ME's port number] |
| | | channel 1 | |
| 16 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND DATA | [Command performed successfully] |
| 17 | LICO ME | (immediate) 1.1.1 | |
| 17 | $USS \to ME$ | Transfer of 800 Bytes data to the ME through channel 1 using the ME's port number, which was | |
| | | retrieved in step 15 | |
| 18 | $ME \rightarrow UICC$ | ENVELOPE: EVENT DOWNLOAD - Data | (800 Bytes of data in the ME buffer) |
| | , | available 2.1.1 | (555 = 5555 51 5555 51 515 515 515 515 51 |
| 19 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: RECEIVE | |
| | | DATA 2.9.1 | |
| 20 | $ME \rightarrow UICC$ | FETCH | |
| 21 | $UICC \to ME$ | PROACTIVE COMMAND: RECEIVE DATA 2.9.1 | 200 Bytes with alpha identifier is |
| 00 | NAT 11100 | TERMINAL DECRONOS: DECENTS DATA COA | displayed with strikethrough on |
| 22 | ME → UICC | TERMINAL RESPONSE: RECEIVE DATA 2.9.1 | |
| 23 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: RECEIVE DATA 2.9.2 | |
| 24 | ME → UICC | FETCH | |
| 25 | $VICC \rightarrow ME$ | PROACTIVE COMMAND: RECEIVE DATA 2.9.2 | 200 Bytes with alpha identifier is |
| | 3.00 / WL | | displayed with strikethrough off |
| 26 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: RECEIVE DATA 2.9.1 | |
| 27 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: RECEIVE | |
| | | DATA 2.9.1 | |
| 28 | $ME \rightarrow UICC$ | FETCH | |
| 29 | $UICC \to ME$ | PROACTIVE COMMAND: RECEIVE DATA 2.9.1 | 200 Bytes with alpha identifier is |
| 20 | ME LUGG | TEDMINIAL DECOMPOSE DECENTS DATA CO. 4 | displayed with strikethrough on |
| 30 | ME → UICC | TERMINAL RESPONSE: RECEIVE DATA 2.9.1 | |
| 31 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: RECEIVE DATA 2.9.3 | |
| 32 | ME → UICC | FETCH | |
| 33 | $ UICC \to UICC $ | | 200 Bytes with alpha identifier is |
| | | | displayed with strikethrough off |
| 34 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: RECEIVE DATA 2.9.1 | , , |

PROACTIVE COMMAND: SEND DATA 1.1.1

Same as PROACTIVE COMMAND: SEND DATA 1.1.1 in clause 27.22.4.29.1.4.2.

TERMINAL RESPONSE: SEND DATA 1.1.1

Same as TERMINAL RESPONSE: SEND DATA 1.1.1 in clause 27.22.4.29.1.4.2.

ENVELOPE: EVENT DOWNLOAD - Data available 2.1.1

Same as cl. 27.22.4.29.2.1.4.2, ENVELOPE: EVENT DOWNLOAD - Data available 2.1.1.

PROACTIVE COMMAND: RECEIVE DATA 2.9.1

Logically:

Command details

Command number: 1

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Receive Data 1"

Channel Data Length

Channel Data Length: 200

Text Attribute

Formatting position: 0 Formatting length: 14

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough On

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 22 | 81 | 03 | 01 | 42 | 00 | 82 | 02 | 81 | 21 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0E | 52 | 65 | 63 | 65 | 69 | 76 | 65 | 20 | 44 | 61 | 74 |
| | 61 | 20 | 31 | B7 | 01 | C8 | D0 | 04 | 00 | 0E | 80 | B4 |

PROACTIVE COMMAND: RECEIVE DATA 2.9.2

Logically:

Command details

Command number: 1

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Receive Data 2"

Channel Data Length

Channel Data Length: 200

Text Attribute

Formatting position: 0 Formatting length: 14

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 22 | 81 | 03 | 01 | 42 | 00 | 82 | 02 | 81 | 21 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0E | 52 | 65 | 63 | 65 | 69 | 76 | 65 | 20 | 44 | 61 | 74 |
| | 61 | 20 | 32 | B7 | 01 | C8 | D0 | 04 | 00 | 0E | 00 | B4 |

PROACTIVE COMMAND: RECEIVE DATA 2.9.3

Logically:

Command details

Command number:

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Receive Data 3"

Channel Data Length

Channel Data Length: 200

Coding:

| BER-TLV: | D0 | 1C | 81 | 03 | 01 | 42 | 00 | 82 | 02 | 81 | 21 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0E | 52 | 65 | 63 | 65 | 69 | 76 | 65 | 20 | 44 | 61 | 74 |
| | 61 | 20 | 33 | B7 | 01 | C8 | | | | | | |

TERMINAL RESPONSE: RECEIVE DATA 2.9.1

Logically:

Command details

Command number:

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: ME Destination device: UICC

Result

General Result: Command performed successfully Channel Data : 00 01 02 .. C7 (200 Bytes of data)

Channel data length: FF

Coding:

| BER-TLV: | 81 | 03 | 01 | 42 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | B6 | 81 | C8 | 00 | 01 | 02 | | C7 | B7 | 01 | FF | |

27.22.4.29.2.9.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 2.9.

27.22.4.29.2.10 RECEIVE DATA (support of Text Attribute – Foreground and Background Colour)

27.22.4.29.2.10.1 Definition and applicability

See clause 3.2.2.

27.22.4.29.2.10.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.29.2.10.3 Test purpose

To verify that the ME shall display the alpha identifier according to the foreground and background colour text attribute configuration in the RECEIVE DATA proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.29.2.10.4 Method of test

27.22.4.29.2.10.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS. The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The channel identifier value used for these tests is set to 1 as an example.

This channel identifier is dependent on the ME"s default channel identifier as declared in table A.2/27.

The PROACTIVE COMMAND: SEND DATA 1.1.1 shall be performed successfully to detect the ME's port number, which has to be addressed by the network simulator when data has to be transmitted to the card. The corresponding Terminal Response shall be TERMINAL RESPONSE: SEND DATA 1.1.1.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

27.22.4.29.2.10.4.2 Procedure

Expected sequence 2.10 (RECEIVE DATA, with Text Attribute – Foreground and Background Colour)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP EVENT LIST | |
| | | 1.1.1 PENDING | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP EVENT LIST | |
| | | 1.1.1 | |
| 4 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SET UP EVENT LIST | |
| 5 | $UICC \to ME$ | 1.1.1 PROACTIVE COMMAND PENDING: OPEN | See initial conditions |
| | OICC → IVIE | CHANNEL 1.1.1 | loce initial conditions |
| 6 | $ME \rightarrow UICC$ | FETCH | |
| 7 | $UICC \to ME$ | PROACTIVE COMMAND: OPEN CHANNEL | |
| | | 1.1.1 | |
| 8 | | The ME may display channel opening information | |
| 9 | $ME \to USS$ | PDP context activation request | |
| 10 | $USS \to ME$ | PDP context activation accept | |
| 11 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: OPEN CHANNEL | [Command performed successfully] |
| | | 1.1.1A | |
| | | or TERMINAL RESPONSE: OPEN CHANNEL | |
| | | 11.1.1B | |
| 12 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND | |
| '- | OIOO / IVIL | DATA 1.1.1 | |
| 13 | $ME \to UICC$ | FETCH | |
| 14 | $UICC \to ME$ | PROACTIVE COMMAND: SEND DATA | |
| | | (immediate) 1.1.1 | |
| 15 | $ME \to USS$ | Transfer of 8 Bytes of data to the USS through | [To retrieve ME's port number] |
| 40 | | channel 1 | |
| 16 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND DATA | [Command performed successfully] |
| 17 | $USS \to ME$ | (immediate) 1.1.1 Transfer of 400 Bytes data to the ME through | |
| 17 | | channel 1 using the ME's port number, which was | |
| | | retrieved in step 15 | |
| 18 | $ME \to UICC$ | ENVELOPE: EVENT DOWNLOAD - Data | (400 Bytes of data in the ME buffer) |
| | | available 2.1.1 | |
| 19 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: RECEIVE | |
| | | DATA 2.10.1 | |
| 20 | / 0.00 | FETCH | 200 Distance with alpha identification |
| 21 | $UICC \to ME$ | PROACTIVE COMMAND: RECEIVE DATA | 200 Bytes with alpha identifier is |
| | | 2.10.1 | displayed with foreground and background colour |
| 22 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: RECEIVE DATA 2.10.1 | |
| 23 | $UICC \rightarrow ME$ | PROACTIVE COMMAND PENDING: RECEIVE | |
| | 3.00 / IVIL | DATA 2.10.2 | |
| 24 | $ME \to UICC$ | FETCH | |
| 25 | $UICC \to ME$ | PROACTIVE COMMAND: RECEIVE DATA | 200 Bytes with alpha identifier is |
| | | 2.10.2 | displayed with ME"s default foreground |
| | | TERMINAL REGRONGE RECENTERATIONS | and background colour |
| 26 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: RECEIVE DATA 2.10.1 | |

PROACTIVE COMMAND: SEND DATA 1.1.1

Same as PROACTIVE COMMAND: SEND DATA 1.1.1 in clause 27.22.4.29.1.4.2.

TERMINAL RESPONSE: SEND DATA 1.1.1

Same as TERMINAL RESPONSE: SEND DATA 1.1.1 in clause 27.22.4.29.1.4.2.

ENVELOPE: EVENT DOWNLOAD - Data available 2.1.1

Same as cl. 27.22.4.29.2.1.4.2, ENVELOPE: EVENT DOWNLOAD - Data available 2.1.1.

PROACTIVE COMMAND: RECEIVE DATA 2.10.1

Logically:

Command details

Command number:

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Receive Data 1"

Channel Data Length

Channel Data Length: 200

Text Attribute

Formatting position: 0 Formatting length: 14

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 22 | 81 | 03 | 01 | 42 | 00 | 82 | 02 | 81 | 21 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0E | 52 | 65 | 63 | 65 | 69 | 76 | 65 | 20 | 44 | 61 | 74 |
| | 61 | 20 | 31 | B7 | 01 | C8 | D0 | 04 | 00 | 0E | 00 | B4 |

PROACTIVE COMMAND: RECEIVE DATA 2.10.2

Logically:

Command details

Command number: 1

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Receive Data 2"

Channel Data Length

Channel Data Length: 200

Coding:

| BER-TLV: | D0 | 1C | 81 | 03 | 01 | 42 | 00 | 82 | 02 | 81 | 21 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0E | 52 | 65 | 63 | 65 | 69 | 76 | 65 | 20 | 44 | 61 | 74 |
| | 61 | 20 | 32 | B7 | 01 | C8 | | | | | | |

TERMINAL RESPONSE: RECEIVE DATA 2.10.1

Logically:

Command details

Command number: 1

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel Data: 00 01 02 .. C7 (200 Bytes of data)

Channel data length: FF

Coding:

| BER-TLV: | 81 | 03 | 01 | 42 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | B6 | 81 | C8 | 00 | 01 | 02 | | C7 | B7 | 01 | FF | |

27.22.4.29.2.10.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 2.10.

27.22.4.30 SEND DATA

27.22.4.30.1 SEND DATA (normal)

27.22.4.30.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.30.1.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.30.1.3 Test purpose

To verify that the ME shall send a:

- TERMINAL RESPONSE (Command Performed Successfully); or
- TERMINAL RESPONSE (ME currently unable to process command); or
- TERMINAL RESPONSE (Bearer Independent Protocol Error);
- TERMINAL RESPONSE (Proactive USIM session terminated by the user);

to the UICC after the ME receives the SEND DATA proactive command. The TERMINAL RESPONSE sent back to the UICC is the result of the ME and the network capabilities against requested parameters by the UICC.

27.22.4.30.1.4 Method of test

27.22.4.30.1.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS. The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The Channel identifier value used for these tests is set to 1 as an example.

This channel identifier is dependent on the ME's default channel identifier as declared in table A.2/27

The following Bearer Parameters used are those defined in the default Test PDP context for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

27.22.4.30.1.4.2 Procedure

Expected sequence 1.1 (SEND DATA, immediate mode)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|------------------------------------|----------------------------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | See initial conditions |
| | | PENDING: OPEN CHANNEL 1.1.1 | |
| 2 | $ME \to UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: OPEN | |
| | | CHANNEL 1.1.1 | |
| 4 | $ME \to USER$ | The ME may display channel | |
| | | opening information | |
| 5 | $ME \to USS$ | PDP context activation request | |
| 6 | $USS \to ME$ | PDP context activation accept | |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: OPEN | [Command performed successfully] |
| | | CHANNEL 1.1.1A | |
| | | or | |
| | | TERMINAL RESPONSE: OPEN | |
| | | CHANNEL 1.1.1B | |
| 8 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND DATA 1.1.1 | |
| 9 | $ME \to UICC$ | FETCH | |
| 10 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | |
| | | DATA (immediate) 1.1.1 | |
| 11 | $ME \to USS$ | Transfer of 8 Bytes of data to the | |
| | | USS through channel 1 | |
| 12 | $ME \to UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| | | DATA (immediate) 1.1.1 | |

PROACTIVE COMMAND: OPEN CHANNEL 1.1.1

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC Destination device: ME

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1000

Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level

Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

Coding:

| BER-TLV | D0 | 42 | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 81 | 82 | 35 |
|---------|----|----|----|----|----|----|----|----|----|----|----|----|
| '- | 07 | 02 | 03 | 04 | 03 | 04 | 1F | 02 | 39 | 02 | 03 | E8 |
| | 47 | 0A | 06 | 54 | 65 | 73 | 74 | 47 | 70 | 02 | 72 | 73 |
| | 0D | 08 | F4 | 55 | 73 | 65 | 72 | 4C | 6F | 67 | 0D | 08 |
| | F4 | 55 | 73 | 65 | 72 | 50 | 77 | 64 | 3C | 03 | 01 | AD |
| | 9C | 3E | 05 | 21 | 01 | 01 | 01 | 01 | | | | |

TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1000

Coding:

| BER-TLV: | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 38 | 02 | 81 | 00 | 35 | 07 | 02 | 03 | 04 | 03 | 04 | 1F |
| | 02 | 39 | 02 | 03 | E8 | | | | | | | |

TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 00
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1000

Coding:

| BER-TLV: | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 38 | 02 | 81 | 00 | 35 | 07 | 02 | 00 | 04 | 03 | 04 | 1F |
| | 02 | 39 | 02 | 03 | E8 | | | | | | | |

PROACTIVE COMMAND: SEND DATA 1.1.1

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: UICC
Destination device: Channel 1

Channel Data

Channel Data: 00 01 .. 07 (8 Bytes of data)

Coding:

| BER-TLV: | D0 | 13 | 81 | 03 | 01 | 43 | 01 | 82 | 02 | 81 | 21 | B6 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| · | 08 | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | | | |

TERMINAL RESPONSE: SEND DATA 1.1.1

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: ME Destination device: UICC

Result

General Result: Command performed successfully

Channel data length: More than 255 bytes of space available in the Tx buffer

Coding:

| BER-TLV: | 81 | 03 | 01 | 43 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 | |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|--|
| | B7 | 01 | FF | | | | | | | | | | |

Expected sequence 1.2 (SEND DATA, Store mode)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: OPEN CHANNEL 1.1.1 | See initial conditions |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 | |
| 4 | $ME \rightarrow USER$ | The ME may display channel opening information | |
| 5 | $ME \rightarrow USS$ | PDP context activation request | |
| 6 | $USS \to ME$ | PDP context activation accept | |
| 7 | ME → UICC | TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B | [Command performed successfully] |
| 8 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND DATA 1.2.1 | |
| 9 | | FETCH | |
| 10 | $UICC \to ME$ | PROACTIVE COMMAND: SEND DATA (store mode) 1.2.1 | Send 500 Bytes of data (200 + 200 + 100) |
| 11 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND DATA (store mode) 1.2.1 | [Command performed successfully] |
| 12 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND DATA 1.2.2 | |
| 13 | $ME \rightarrow UICC$ | FETCH | |
| 14 | $UICC \to ME$ | PROACTIVE COMMAND: SEND DATA (store mode) 1.2.2 | [200 Bytes] |
| 15 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND DATA (store mode) 1.2.2 | [Command performed successfully] |
| 16 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND DATA 1.2.3 | |
| 17 | $ME \rightarrow UICC$ | FETCH | |
| 18 | $UICC \to ME$ | PROACTIVE COMMAND: SEND DATA (Immediate mode) 1.2.3 | [100 Bytes] |
| 19 | $ME \to USS$ | Transfer of 500 Bytes of data to the USS through channel 1 | |
| 20 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND DATA (Immediate mode) 1.2.3 | [Command performed successfully] |

PROACTIVE COMMAND: SEND DATA 1.2.1

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Store mode

Device identities

Source device: UICC
Destination device: Channel 1

Channel Data

Channel Data: 00 01 .. C7 (200 Bytes of data)

Coding:

| BER-TLV: | D0 | 81 | D4 | 81 | 03 | 01 | 43 | 00 | 82 | 02 | 81 | 21 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | B6 | 81 | C8 | 00 | 01 | | C7 | | | | | |

TERMINAL RESPONSE: SEND DATA 1.2.1

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Store mode

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel data length: More than 255 bytes of space available in the Tx buffer

Coding:

| BER-TLV: | 81 | 03 | 01 | 43 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | B7 | 01 | FF | | | | | | | | | |

PROACTIVE COMMAND: SEND DATA 1.2.2

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Store mode

Device identities

Source device: UICC
Destination device: Channel 1

Channel Data

Channel Data : C8 C9 .. FF 00 01 .. 8F (200 Bytes of data)

Coding:

| BER-TLV: | D0 | 81 | D4 | 81 | 03 | 01 | 43 | 00 | 82 | 02 | 81 | 21 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | В6 | 81 | C8 | C8 | C9 | | FF | 00 | 01 | | 8F | |

TERMINAL RESPONSE: SEND DATA 1.2.2

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Store mode

Device identities

Source device: ME Destination device: UICC

Result

General Result: Command performed successfully

Channel data length: More than 255 bytes of space available in the Tx buffer

Coding:

| BER-TLV: | 81 | 03 | 01 | 43 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| · | B7 | 01 | FF | | | | | | | | | |

PROACTIVE COMMAND: SEND DATA 1.2.3

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Immediate mode

Device identities

Source device: UICC
Destination device: Channel 1

Channel Data

Channel Data: 90 91 .. F3 (100 Bytes of data)

Coding:

| BER-TLV: | D0 | 6F | 81 | 03 | 01 | 43 | 01 | 82 | 02 | 81 | 21 | B6 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 64 | 90 | 91 | | F3 | | | | | | | |

TERMINAL RESPONSE: SEND DATA 1.2.3

Logically:

Command details

Command number:

Command type: SEND DATA
Command qualifier: Immediate mode

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel data length: More than 255 bytes of space available in the Tx buffer

Coding:

| BER-TLV: | 81 | 03 | 01 | 43 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | B7 | 01 | FF | | | | | | | | | |

Expected sequence 1.3 (SEND DATA, Store mode, Tx buffer fully used)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: OPEN | See initial conditions |
| | | CHANNEL 1.1.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 | |
| 4 | $ME \rightarrow USER$ | The ME may display channel opening information | |
| 5 | $ME \rightarrow USS$ | PDP context activation request | |
| 6 | $USS \to ME$ | PDP context activation accept | |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or | [Command performed successfully] |
| | | TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B | |
| 8 | | PROACTIVE COMMAND PENDING: SEND DATA 1.3.1 | |
| 9 | $ME \rightarrow UICC$ | | |
| 10 | $UICC \to ME$ | PROACTIVE COMMAND: SEND DATA (store mode) 1.3.1 | Send 1000 Bytes of data by packet of 200 Bytes |
| 11 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND DATA (store mode) 1.3.1 | [Command performed successfully] |
| 12 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND DATA 1.3.2 | |
| 13 | $ME \rightarrow UICC$ | FETCH | |
| 14 | $UICC \to ME$ | PROACTIVE COMMAND: SEND DATA (store mode) 1.3.2 | [200 Bytes] |
| 15 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND DATA (store mode) 1.3.2 | [Command performed successfully] |
| 16 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND DATA 1.3.3 | |
| 17 | $ME \rightarrow UICC$ | FETCH | |
| 18 | $UICC \to ME$ | PROACTIVE COMMAND: SEND DATA (store mode) 1.3.3 | [200 Bytes] |
| 19 | $ME \to UICC$ | TERMINAL RESPONSE: SEND DATA (store mode) 1.3.3 | [Command performed successfully] |
| 20 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND DATA 1.3.4 | |
| 21 | $ME \rightarrow UICC$ | FETCH | |
| 22 | | PROACTIVE COMMAND: SEND DATA (store mode) 1.3.4 | [200 Bytes] |
| 23 | $ME \to UICC$ | TERMINAL RESPONSE: SEND DATA (store mode) 1.3.4 | [Command performed successfully] |
| 24 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND DATA 1.3.5 | |
| 25 | $ME \rightarrow UICC$ | FETCH | |
| 26 | $UICC \to ME$ | PROACTIVE COMMAND: SEND DATA (immediate) 1.3.5 | [200 Bytes] |
| 27 | $ME \to USS$ | Transfer of 1000 Bytes of data to the USS through channel 1 | |
| 28 | $ME \to UICC$ | TERMINAL RESPONSE: SEND DATA (immediate) 1.3.5 | [Command performed successfully] |

PROACTIVE COMMAND: SEND DATA 1.3.1

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Store mode

Device identities

Source device: UICC
Destination device: Channel 1

Channel Data

Channel Data : 00 01 02 .. C7 (200 Bytes of data)

Coding:

| BER-TLV: | D0 | 81 | D4 | 81 | 03 | 01 | 43 | 00 | 82 | 02 | 81 | 21 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | B6 | 81 | C8 | 00 | 01 | 02 | | C7 | | | | |

TERMINAL RESPONSE: SEND DATA 1.3.1

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Store mode

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel data length: More than 255 bytes of space available in the Tx buffer

Coding:

| BER-TLV: | 81 | 03 | 01 | 43 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | B7 | 01 | FF | | | | | | | | | |

PROACTIVE COMMAND: SEND DATA 1.3.2

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Store mode

Device identities

Source device: UICC
Destination device: Channel 1

Channel Data

Channel Data: C8 C9 CA .. FF 00 01 .. 8F (200 Bytes of data)

Coding:

| BER-TLV: | D0 | 81 | D4 | 81 | 03 | 01 | 43 | 00 | 82 | 02 | 81 | 21 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | B6 | 81 | C8 | C8 | C9 | CA | | FF | 00 | 02 | | 8F |

TERMINAL RESPONSE: SEND DATA 1.3.2

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Store mode

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel data length: More than 255 bytes of space available in the Tx buffer

Coding:

| BER-TLV: | 81 | 03 | 01 | 43 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | B7 | 01 | FF | | | | | | | | | |

PROACTIVE COMMAND: SEND DATA 1.3.3

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Store mode

Device identities

Source device: UICC
Destination device: Channel 1

Channel Data

Channel Data: 90 91 .. FF 00 01 .. 57 (200 Bytes of data)

Coding:

| BER-TLV: | D0 | 81 | D4 | 81 | 03 | 01 | 43 | 00 | 82 | 02 | 81 | 21 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | B6 | 81 | C8 | 90 | 91 | | FF | 00 | 01 | | 57 | |

TERMINAL RESPONSE: SEND DATA 1.3.3

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Store mode

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel data length: More than 255 bytes of space available in the Tx buffer

Coding:

| BER-TLV: | 81 | 03 | 01 | 43 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | B7 | 01 | FF | | | | | | | | | |

PROACTIVE COMMAND: SEND DATA 1.3.4

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Store mode

Device identities

Source device: UICC
Destination device: Channel 1

Channel Data

Channel Data: 58 59 .. FF 00 01 .. 1F (200 Bytes of data)

Coding:

| BER-TLV: | D0 | 81 | D4 | 81 | 03 | 01 | 43 | 00 | 82 | 02 | 81 | 21 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | B6 | 81 | C8 | 58 | 59 | | FF | 00 | 01 | | 1F | |

TERMINAL RESPONSE: SEND DATA 1.3.4

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Store mode

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel data length: 200 bytes of space available in the Tx buffer

Coding:

| BER-TLV: | 81 | 03 | 01 | 43 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | B7 | 01 | C8 | | | | | | | | | |

PROACTIVE COMMAND: SEND DATA 1.3.5

Logically:

Command details

Command number:

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: UICC
Destination device: Channel 1

Channel Data

Channel Data: 20 21 .. E7 (200 Bytes of data)

Coding:

| BER-TLV: | D0 | 81 | D4 | 81 | 03 | 01 | 43 | 01 | 82 | 02 | 81 | 21 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | B6 | 81 | C8 | 20 | 21 | | E7 | | | | | |

TERMINAL RESPONSE: SEND DATA 1.3.5

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel data length: More than 255 bytes of space available in the Tx buffer

Coding:

| BER-TLV: | 81 | 03 | 01 | 43 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | B7 | 01 | FF | | | | | | | | | |

Expected sequence 1.4 (SEND DATA, 2 consecutive SEND DATA Store mode)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|--|
| 1 | $UICC \to ME$ | | See initial conditions |
| 2 | $ME \rightarrow UICC$ | CHANNEL 1.1.1 | |
| 3 | | PROACTIVE COMMAND: OPEN CHANNEL | |
| | | 1.1.1 | |
| 4 | | The ME may display channel opening information | |
| 5 | | PDP context activation request | |
| 6 | | PDP context activation accept | |
| 7 | ME → UICC | TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or | [Command performed successfully] |
| | | TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B | |
| 8 | | PROACTIVE COMMAND PENDING: SEND DATA 1.3.1 | |
| 9 | $ME \to UICC$ | | |
| 10 | | PROACTIVE COMMAND: SEND DATA (store mode) 1.3.1 | Send 1000 Bytes of data by packet of 200 Bytes |
| 11 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND DATA (store mode) 1.3.1 | [Command performed successfully] |
| 12 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND DATA 1.3.2 | |
| 13 | $ME \rightarrow UICC$ | | |
| 14 | $UICC \to ME$ | PROACTIVE COMMAND: SEND DATA (store mode) 1.3.2 | [200 Bytes] |
| 15 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND DATA (store mode) 1.3.2 | [Command performed successfully] |
| 16 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND DATA 1.3.3 | |
| 17 | $ME \rightarrow UICC$ | | |
| 18 | $UICC \to ME$ | PROACTIVE COMMAND: SEND DATA (store mode) 1.3.3 | [200 Bytes] |
| 19 | $ME \to UICC$ | TERMINAL RESPONSE: SEND DATA (store mode) 1.3.3 | [Command performed successfully] |
| 20 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND DATA 1.3.4 | |
| 21 | $ME \rightarrow UICC$ | FETCH | |
| 22 | | PROACTIVE COMMAND: SEND DATA (store mode) 1.3.4 | [200 Bytes] |
| 23 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND DATA (store mode) 1.3.4 | [Command performed successfully] |
| 24 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND DATA 1.3.5 | |
| 25 | $ME \to UICC$ | FETCH | |
| 26 | $UICC \to ME$ | PROACTIVE COMMAND: SEND DATA (immediate) 1.3.5 | [200 Bytes] |
| 27 | $ME \rightarrow USS$ | Transfer of 1000 Bytes of data to the USS through channel 1 | |
| 28 | $ME \to UICC$ | TERMINAL RESPONSE: SEND DATA (immediate) 1.3.5 | [Command performed successfully] |
| 29 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND DATA 1.3.1 | |
| 30 | $ME \rightarrow UICC$ | | |
| 31 | | PROACTIVE COMMAND: SEND DATA (store mode) 1.3.1 | Send 1000 Bytes of data by packet of 200 Bytes |
| 32 | $ME \to UICC$ | TERMINAL RESPONSE: SEND DATA (store mode) 1.3.1 | [Command performed successfully] |
| 33 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND DATA 1.3.2 | |
| 34 | $ME \rightarrow UICC$ | | |
| | / 5100 | · = · >· · | |

| 35 | $UICC \to ME$ | PROACTIVE COMMAND: SEND DATA (store mode) 1.3.2 | [200 Bytes] |
|----|-----------------------|---|----------------------------------|
| 36 | $ME \to UICC$ | TERMINAL RESPONSE: SEND DATA (store mode) 1.3.2 | [Command performed successfully] |
| 37 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND DATA 1.3.3 | |
| 38 | $ME \rightarrow UICC$ | FETCH | |
| 39 | $UICC \to ME$ | PROACTIVE COMMAND: SEND DATA (store mode) 1.3.3 | [200 Bytes] |
| 40 | $ME \to UICC$ | TERMINAL RESPONSE: SEND DATA (store mode) 1.3.3 | [Command performed successfully] |
| 41 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND DATA 1.3.4 | |
| 42 | $ME \rightarrow UICC$ | FETCH | |
| 43 | $UICC \to ME$ | PROACTIVE COMMAND: SEND DATA (store mode) 1.3.4 | [200 Bytes] |
| 44 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND DATA (store mode) 1.3.4 | [Command performed successfully] |
| 45 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND DATA 1.3.5 | |
| 46 | $ME \rightarrow UICC$ | FETCH | |
| 47 | $UICC \to ME$ | PROACTIVE COMMAND: SEND DATA (immediate) 1.3.5 | [200 Bytes] |
| 48 | $ME \to USS$ | Transfer of 1000 Bytes of data to the USS through channel 1 | |
| 49 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND DATA (immediate) 1.3.5 | [Command performed successfully] |

Expected sequence 1.5 (SEND DATA, immediate mode with a bad channel identifier)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--------------------------------|----------------------------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | See initial conditions |
| | | PENDING: OPEN CHANNEL 1.1.1 | |
| 2 | $ME \to UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: OPEN | |
| | | CHANNEL 1.1.1 | |
| 4 | $ME \to USER$ | | |
| | | opening information | |
| 5 | $ME \to USS$ | PDP context activation request | |
| 6 | $USS \to ME$ | PDP context activation accept | |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: OPEN | [Command performed successfully] |
| | | CHANNEL 1.1.1A | |
| | | or | |
| | | TERMINAL RESPONSE: OPEN | |
| | | CHANNEL 1.1.1B | |
| 8 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND DATA 1.5.1 | |
| 9 | $ME \rightarrow UICC$ | FETCH | |
| 10 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | |
| | | DATA (immediate) 1.5.1 | |
| 11 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | [Invalid channel number] |
| | | DATA (immediate) 1.5.1 | |

PROACTIVE COMMAND: SEND DATA 1.5.1

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: UICC

Destination device: Channel 2

Channel Data

Channel Data: 00 01 .. 07 (8 Bytes of data)

Coding:

| BER-TLV: | D0 | 13 | 81 | 03 | 01 | 43 | 01 | 82 | 02 | 81 | 22 | B6 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 08 | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | | | |

TERMINAL RESPONSE: SEND DATA 1.5.1

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Bearer Independent Protocol error (3A)

Additional Result: Channel identifier not valid (03)

Coding:

| BER-TLV: | 81 | 03 | 01 | 43 | 01 | 82 | 02 | 82 | 81 | 83 | 02 | 3A |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 03 | | | | | | | | | | | |

Expected sequence 1.6 Void

27.22.4.30.1.5 Test requirement

The ME shall operate in the manner defined in expected sequences 1.1 to 1.5.

27.22.4.30.2 SEND DATA (support of Text Attribute)

27.22.4.30.2.1 SEND DATA (support of Text Attribute – Left Alignment)

27.22.4.30.2.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.30.2.1.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.30.2.1.3 Test purpose

To verify that the ME shall display the alpha identifier according to the left alignment text attribute configuration in the SEND DATA proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.30.2.1.4 Method of test

27.22.4.30.2.1.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS. The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The channel identifier value used for these tests is set to 1 as an example.

This channel identifier is dependent on the ME"s default channel identifier as declared in table A.2/27.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

27.22.4.30.2.1.4.2 Procedure

Expected sequence 2.1 (SEND DATA with Text Attribute – Left Alignment)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|------------------------------------|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | See initial conditions |
| | | PENDING: OPEN CHANNEL 1.1.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: OPEN | |
| | | CHANNEL 1.1.1 | |
| 4 | $ME \rightarrow USER$ | The ME may display channel | |
| _ | | opening information | |
| 5 | | PDP context activation request | |
| 6 | $USS \to ME$ | PDP context activation accept | |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: OPEN | [Command performed successfully] |
| | | CHANNEL 1.1.1A | |
| | | or TERMINAL RESPONSE: OPEN | |
| | | CHANNEL 1.1.1B | |
| 8 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | 0.00 / III. | PENDING: SEND DATA 2.1.1 | |
| 9 | $ME \to UICC$ | FETCH | |
| 10 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | [alpha identifier shall be displayed with left |
| | | DATA 2.1.1 | alignment] |
| 11 | $ME \to UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| | | DATA (immediate) 2.1.1 | |
| 12 | $UICC \to ME$ | PROACTIVE COMMAND | |
| 40 | ME IIIOO | PENDING: SEND DATA 2.1.2 | |
| 13 | L / 0.00 | FETCH | |
| 14 | $UICC \to ME$ | PROACTIVE COMMAND: SEND DATA 2.1.2 | [Message shall be formatted without left alignment. Remark: If left alignment is the |
| | | | ME's default alignment as declared in table |
| | | | A.2/22, no alignment change will take place] |
| 15 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| | , , 0100 | DATA (immediate) 2.1.1 | |

PROACTIVE COMMAND: SEND DATA 2.1.1

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Send Data 1"

Channel Data

Channel Data: 00 01 .. 07 (8 Bytes of data)

Text Attribute

Formatting position: 0 Formatting length: 11

Formatting mode: Left Alignment, Normal Font, Bold On, Italic On, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 26 | 81 | 03 | 01 | 43 | 01 | 82 | 02 | 81 | 21 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| _ | 0B | 53 | 65 | 6E | 64 | 20 | 44 | 61 | 74 | 61 | 20 | 31 |
| | B6 | 08 | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | D0 | 04 |
| | 00 | 0B | 00 | B4 | | | | | | | | |

PROACTIVE COMMAND: SEND DATA 2.1.2

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Send Data 2"

Channel Data

Channel Data: 00 01 .. 07 (8 Bytes of data)

Coding:

| BER-TLV: | D0 | 20 | 81 | 03 | 01 | 43 | 01 | 82 | 02 | 81 | 21 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0B | 53 | 65 | 6E | 64 | 20 | 44 | 61 | 74 | 61 | 20 | 32 |
| | B6 | 08 | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | | |

TERMINAL RESPONSE: SEND DATA 2.1.1

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel data length: More than 255 bytes of space available in the Tx buffer

Coding:

| BER-TLV: | 81 | 03 | 01 | 43 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | B7 | 01 | FF | | | | | | | | | |

27.22.4.30.2.1.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 2.1.

27.22.4.30.2.2 SEND DATA (support of Text Attribute – Center Alignment)

27.22.4.30.2.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.30.2.2.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.30.2.2.3 Test purpose

To verify that the ME shall display the alpha identifier according to the center alignment text attribute configuration in the SEND DATA proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.30.2.2.4 Method of test

27.22.4.30.2.2.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS. The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The channel identifier value used for these tests is set to 1 as an example.

This channel identifier is dependent on the ME's default channel identifier as declared in table A.2/27.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

27.22.4.30.2.2.4.2 Procedure

Expected sequence 2.2 (SEND DATA with Text Attribute – Center Alignment)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | See initial conditions |
| | | PENDING: OPEN CHANNEL 1.1.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: OPEN | |
| | | CHANNEL 1.1.1 | |
| 4 | $ME \rightarrow USER$ | The ME may display channel | |
| _ | ME LIGO | opening information | |
| 5 | ME → USS | PDP context activation request | |
| 6 7 | USS → ME | PDP context activation accept TERMINAL RESPONSE: OPEN | [Command norformed augacostully] |
| / | $ME \rightarrow UICC$ | CHANNEL 1.1.1A | [Command performed successfully] |
| | | or | |
| | | TERMINAL RESPONSE: OPEN | |
| | | CHANNEL 1.1.1B | |
| 8 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND DATA 2.2.1 | |
| 9 | $ME \rightarrow UICC$ | FETCH | |
| 10 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | [alpha identifier shall be displayed with center |
| | | DATA 2.2.1 | alignment] |
| 11 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| 40 | | DATA (immediate) 2.2.1 | |
| 12 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SEND DATA 2.2.2 | |
| 13 | ME → UICC | FETCH | |
| 14 | UICC → ME | PROACTIVE COMMAND: SEND | [Message shall be formatted without center |
| 14 | OICC → IVIE | DATA 2.2.2 | alignment. Remark: If center alignment is the |
| | | | ME"s default alignment as declared in table |
| | | | A.2/22, no alignment change will take place] |
| 15 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| | | DATA (immediate) 2.2.1 | . , , , |

PROACTIVE COMMAND: SEND DATA 2.2.1

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Send Data 1"

Channel Data

Channel Data: 00 01 .. 07 (8 Bytes of data)

Text Attribute

Formatting position: 0 Formatting length: 11

Formatting mode: Center Alignment, Normal Font, Bold On, Italic On, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 26 | 81 | 03 | 01 | 43 | 01 | 82 | 02 | 81 | 21 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0B | 53 | 65 | 6E | 64 | 20 | 44 | 61 | 74 | 61 | 20 | 31 |
| | B6 | 08 | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | D0 | 04 |
| | 00 | 0B | 01 | B4 | | | | | | | | |

PROACTIVE COMMAND: SEND DATA 2.2.2

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Send Data 2"

Channel Data

Channel Data: 00 01 .. 07 (8 Bytes of data)

Coding:

| BER-TLV: | D0 | 20 | 81 | 03 | 01 | 43 | 01 | 82 | 02 | 81 | 21 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| - | 0B | 53 | 65 | 6E | 64 | 20 | 44 | 61 | 74 | 61 | 20 | 32 |
| | B6 | 08 | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | | |

TERMINAL RESPONSE: SEND DATA 2.2.1

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel data length: More than 255 bytes of space available in the Tx buffer

Coding:

| BER-TLV: | 81 | 03 | 01 | 43 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | B7 | 01 | FF | | | | | | | | | |

27.22.4.30.2.2.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 2.2.

27.22.4.30.2.3 SEND DATA (support of Text Attribute – Right Alignment)

27.22.4.30.2.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.30.2.3.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.30.2.3.3 Test purpose

To verify that the ME shall display the alpha identifier according to the right alignment text attribute configuration in the SEND DATA proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.30.2.3.4 Method of test

27.22.4.30.2.3.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS. The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The channel identifier value used for these tests is set to 1 as an example.

This channel identifier is dependent on the ME"s default channel identifier as declared in table A.2/27.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

27.22.4.30.2.3.4.2 Procedure

Expected sequence 2.3 (SEND DATA with Text Attribute – Right Alignment)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | See initial conditions |
| | | PENDING: OPEN CHANNEL 1.1.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \rightarrow ME$ | PROACTIVE COMMAND: OPEN | |
| | | CHANNEL 1.1.1 | |
| 4 | $ME \rightarrow USER$ | The ME may display channel | |
| 5 | ME LIGO | opening information | |
| _ | ME → USS | PDP context activation request | |
| 6 7 | USS → ME | PDP context activation accept TERMINAL RESPONSE: OPEN | [Command norformed augacostully] |
| / | $ME \rightarrow UICC$ | CHANNEL 1.1.1A | [Command performed successfully] |
| | | or | |
| | | TERMINAL RESPONSE: OPEN | |
| | | CHANNEL 1.1.1B | |
| 8 | $UICC \rightarrow ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND DATA 2.3.1 | |
| 9 | $ME \rightarrow UICC$ | FETCH | |
| 10 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | [alpha identifier shall be displayed with right |
| | | DATA 2.3.1 | alignment] |
| 11 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| | | DATA (immediate) 2.3.1 | |
| 12 | $UICC \to ME$ | PROACTIVE COMMAND | |
| 13 | ME | PENDING: SEND DATA 2.3.2 | |
| 14 | 1 / 0.00 | FETCH PROACTIVE COMMAND: SEND | [Magazaga aball be formatted without right |
| 14 | $UICC \to ME$ | DATA 2.3.2 | [Message shall be formatted without right alignment. Remark: If right alignment is the |
| | | DATA 2.3.2 | ME's default alignment as declared in table |
| | | | A.2/22, no alignment change will take place] |
| 15 | ME → UICC | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| | | DATA (immediate) 2.3.1 | |

PROACTIVE COMMAND: SEND DATA 2.3.1

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Send Data 1"

Channel Data

Channel Data: 00 01 .. 07 (8 Bytes of data)

Text Attribute

Formatting position: 0 Formatting length: 11

Formatting mode: Right Alignment, Normal Font, Bold On, Italic On, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 26 | 81 | 03 | 01 | 43 | 01 | 82 | 02 | 81 | 21 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0B | 53 | 65 | 6E | 64 | 20 | 44 | 61 | 74 | 61 | 20 | 31 |
| | B6 | 08 | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | D0 | 04 |
| | 00 | 0B | 02 | B4 | | | | | | | | |

PROACTIVE COMMAND: SEND DATA 2.3.2

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Send Data 2"

Channel Data

Channel Data: 00 01 .. 07 (8 Bytes of data)

Coding:

| BER-TLV: | D0 | 20 | 81 | 03 | 01 | 43 | 01 | 82 | 02 | 81 | 21 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| _ | 0B | 53 | 65 | 6E | 64 | 20 | 44 | 61 | 74 | 61 | 20 | 32 |
| | B6 | 08 | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | | |

TERMINAL RESPONSE: SEND DATA 2.3.1

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel data length: More than 255 bytes of space available in the Tx buffer

Coding:

| BER-TLV: | 81 | 03 | 01 | 43 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | B7 | 01 | FF | | | | | | | | | |

27.22.4.30.2.3.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 2.3.

27.22.4.30.2.4 SEND DATA (support of Text Attribute – Large Font Size)

27.22.4.30.2.4.1 Definition and applicability

See clause 3.2.2.

27.22.4.30.2.4.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.30.2.4.3 Test purpose

To verify that the ME shall display the alpha identifier according to the large font size text attribute configuration in the SEND DATA proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.30.2.4.4 Method of test

27.22.4.30.2.4.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS. The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The channel identifier value used for these tests is set to 1 as an example.

This channel identifier is dependent on the ME"s default channel identifier as declared in table A.2/27.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

27.22.4.30.2.4.4.2 Procedure

Expected sequence 2.4 (SEND DATA with Text Attribute – Large Font Size)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | See initial conditions |
| | | PENDING: OPEN CHANNEL 1.1.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: OPEN | |
| | | CHANNEL 1.1.1 | |
| 4 | $ME \rightarrow USER$ | The ME may display channel | |
| _ | ME 1100 | opening information | |
| 5 | ME → USS | PDP context activation request | |
| 6 7 | USS → ME | PDP context activation accept | |
| 1 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: OPEN | [Command performed successfully] |
| | | CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL | |
| | | 1.1.1B | |
| 8 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | OIOO / IVIL | PENDING: SEND DATA 2.4.1 | |
| 9 | ME → UICC | FETCH | |
| 10 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | [alpha identifier shall be displayed with large |
| | | DATA 2.4.1 | font size] |
| 11 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| | | DATA (immediate) 2.4.1 | |
| 12 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND DATA 2.4.2 | |
| 13 | $ME \rightarrow UICC$ | FETCH | |
| 14 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | [alpha identifier shall be displayed with normal |
| 4.5 | | DATA 2.4.2 | font size] |
| 15 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| 16 | LUCC . ME | DATA (immediate) 2.4.1 PROACTIVE COMMAND | |
| 10 | $UICC \to ME$ | PENDING: SEND DATA 2.4.1 | |
| 17 | ME → UICC | FETCH | |
| 18 | $UICC \rightarrow ME$ | PROACTIVE COMMAND: SEND | [alpha identifier shall be displayed with large |
| 10 | OIOO / IVIL | DATA 2.4.1 | font size] |
| 19 | ME → UICC | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| | | DATA (immediate) 2.4.1 | , |
| 20 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND DATA 2.4.3 | |
| 21 | $ME \rightarrow UICC$ | FETCH | |
| 22 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | [alpha identifier shall be displayed with normal |
| | | DATA 2.4.3 | font size] |
| 23 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| | | DATA (immediate) 2.4.1 | |

PROACTIVE COMMAND: SEND DATA 2.4.1

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Send Data 1"

Channel Data

Channel Data: 00 01 .. 07 (8 Bytes of data)

Text Attribute

Formatting position: 0 Formatting length: 11 Formatting mode: Left Alignment, Large Font, Bold On, Italic On, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 26 | 81 | 03 | 01 | 43 | 01 | 82 | 02 | 81 | 21 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0B | 53 | 65 | 6E | 64 | 20 | 44 | 61 | 74 | 61 | 20 | 31 |
| | B6 | 08 | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | D0 | 04 |
| | 00 | 0B | 04 | B4 | | | | | | | | |

PROACTIVE COMMAND: SEND DATA 2.4.2

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Send Data 2"

Channel Data

Channel Data: 00 01 .. 07 (8 Bytes of data)

Text Attribute

Formatting position: 0 Formatting length: 11

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 26 | 81 | 03 | 01 | 43 | 01 | 82 | 02 | 81 | 21 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0B | 53 | 65 | 6E | 64 | 20 | 44 | 61 | 74 | 61 | 20 | 32 |
| | В6 | 08 | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | D0 | 04 |
| | 00 | 0B | 00 | B4 | | | | | | | | |

PROACTIVE COMMAND: SEND DATA 2.4.3

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Send Data 3"

Channel Data

Channel Data: 00 01 .. 07 (8 Bytes of data)

Coding:

| BER-TLV: | D0 | 20 | 81 | 03 | 01 | 43 | 01 | 82 | 02 | 81 | 21 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0B | 53 | 65 | 6E | 64 | 20 | 44 | 61 | 74 | 61 | 20 | 33 |
| | В6 | 08 | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | | |

TERMINAL RESPONSE: SEND DATA 2.4.1

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel data length: More than 255 bytes of space available in the Tx buffer

Coding:

| BER-TLV: | 81 | 03 | 01 | 43 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | B7 | 01 | FF | | | | | | | | | |

27.22.4.30.2.4.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 2.4.

27.22.4.30.2.5 SEND DATA (support of Text Attribute – Small Font Size)

27.22.4.30.2.5.1 Definition and applicability

See clause 3.2.2.

27.22.4.30.2.5.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.30.2.5.3 Test purpose

To verify that the ME shall display the alpha identifier according to the small font size text attribute configuration in the SEND DATA proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.30.2.5.4 Method of test

27.22.4.30.2.5.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS. The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The channel identifier value used for these tests is set to 1 as an example.

This channel identifier is dependent on the ME"s default channel identifier as declared in table A.2/27.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

27.22.4.30.2.5.4.2 Procedure

Expected sequence 2.5 (SEND DATA with Text Attribute – Small Font Size)

| Step | Direction | MESSAGE / Action | Comments |
|--------|-----------------------|--|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | See initial conditions |
| | | PENDING: OPEN CHANNEL 1.1.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: OPEN | |
| | | CHANNEL 1.1.1 | |
| 4 | $ME \rightarrow USER$ | The ME may display channel | |
| _ | ME HOO | opening information | |
| 5 | ME → USS | PDP context activation request | |
| 6 7 | USS → ME | PDP context activation accept | |
| / | $ME \rightarrow UICC$ | TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL | [Command performed successfully] |
| | | RESPONSE: OPEN CHANNEL | |
| | | 1.1.1B | |
| 8 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | 0100 / IIIL | PENDING: SEND DATA 2.5.1 | |
| 9 | $ME \to UICC$ | FETCH | |
| 10 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | [alpha identifier shall be displayed with small |
| | | DATA 2.5.1 | font size] |
| 11 | $ME \to UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| | | DATA (immediate) 2.5.1 | |
| 12 | $UICC \to ME$ | PROACTIVE COMMAND | |
| 40 | | PENDING: SEND DATA 2.5.2 | |
| 13 | ME → UICC | FETCH | |
| 14 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | [alpha identifier shall be displayed with normal |
| 15 | ME LUCC | DATA 2.5.2 TERMINAL RESPONSE: SEND | font size] [Command performed successfully] |
| 15 | $ME \rightarrow UICC$ | DATA (immediate) 2.5.1 | [Confinant penormed successfully] |
| 16 | $UICC \to ME$ | PROACTIVE COMMAND | |
| 10 | OIOO / IVIL | PENDING: SEND DATA 2.5.1 | |
| 17 | $ME \to UICC$ | FETCH | |
| 18 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | [alpha identifier shall be displayed with small |
| | | DATA 2.5.1 | font size] |
| 19 | $ME \to UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| | | DATA (immediate) 2.5.1 | |
| 20 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND DATA 2.5.3 | |
| 21 | ME → UICC | FETCH | |
| 22 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | [alpha identifier shall be displayed with normal |
| 22 | ME LUCC | DATA 2.5.3 | font size] |
| 23 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| 1 | | DATA (immediate) 2.5.1 | |

PROACTIVE COMMAND: SEND DATA 2.5.1

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Send Data 1"

Channel Data

Channel Data: 00 01 .. 07 (8 Bytes of data)

Text Attribute

Formatting position: 0 Formatting length: 11

Formatting mode: Left Alignment, Small Font, Bold On, Italic On, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 26 | 81 | 03 | 01 | 43 | 01 | 82 | 02 | 81 | 21 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0B | 53 | 65 | 6E | 64 | 20 | 44 | 61 | 74 | 61 | 20 | 31 |
| | В6 | 08 | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | D0 | 04 |
| | 00 | 0B | 08 | B4 | | | | | | | | |

PROACTIVE COMMAND: SEND DATA 2.5.2

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Send Data 2"

Channel Data

Channel Data: 00 01 .. 07 (8 Bytes of data)

Text Attribute

Formatting position: 0 Formatting length: 11

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 26 | 81 | 03 | 01 | 43 | 01 | 82 | 02 | 81 | 21 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0B | 53 | 65 | 6E | 64 | 20 | 44 | 61 | 74 | 61 | 20 | 32 |
| | B6 | 08 | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | D0 | 04 |
| | 00 | 0B | 00 | R4 | | | | | | | | |

PROACTIVE COMMAND: SEND DATA 2.5.3

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Send Data 3"

Channel Data

Channel Data: 00 01 .. 07 (8 Bytes of data)

Coding:

| BER-TLV: | D0 | 20 | 81 | 03 | 01 | 43 | 01 | 82 | 02 | 81 | 21 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0B | 53 | 65 | 6E | 64 | 20 | 44 | 61 | 74 | 61 | 20 | 33 |
| | B6 | 08 | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | | |

TERMINAL RESPONSE: SEND DATA 2.5.1

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel data length: More than 255 bytes of space available in the Tx buffer

Coding:

| BER-TLV: | 81 | 03 | 01 | 43 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | B7 | 01 | FF | | | | | | | | | |

27.22.4.30.2.5.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 2.5.

27.22.4.30.2.6 SEND DATA (support of Text Attribute – Bold On)

27.22.4.30.2.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.30.2.6.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.30.2.6.3 Test purpose

To verify that the ME shall display the alpha identifier according to the bold text attribute configuration in the SEND DATA proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.30.2.6.4 Method of test

27.22.4.30.2.6.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS. The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The channel identifier value used for these tests is set to 1 as an example.

This channel identifier is dependent on the ME"s default channel identifier as declared in table A.2/27.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

27.22.4.30.2.6.4.2 Procedure

Expected sequence 2.6 (SEND DATA with Text Attribute – Bold On)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | See initial conditions |
| | | PENDING: OPEN CHANNEL 1.1.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: OPEN | |
| | | CHANNEL 1.1.1 | |
| 4 | $ME \rightarrow USER$ | The ME may display channel | |
| _ | NAT 1100 | opening information | |
| 5 | ME → USS | PDP context activation request | |
| 6 7 | USS → ME | PDP context activation accept | [O |
| / | $ME \to UICC$ | TERMINAL RESPONSE: OPEN | [Command performed successfully] |
| | | CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL | |
| | | 1.1.1B | |
| 8 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | OIOO -> IVIL | PENDING: SEND DATA 2.6.1 | |
| 9 | $ME \rightarrow UICC$ | FETCH | |
| 10 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | [alpha identifier shall be displayed with Bold |
| | 0.00 / | DATA 2.6.1 | on] |
| 11 | $ME \to UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| | | DATA (immediate) 2.6.1 | |
| 12 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND DATA 2.6.2 | |
| 13 | $ME \rightarrow UICC$ | FETCH | |
| 14 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | [alpha identifier shall be displayed with bold |
| 45 | | DATA 2.6.2 | off] |
| 15 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| 16 | LUCC ME | DATA (immediate) 2.6.1 PROACTIVE COMMAND | |
| 10 | $UICC \to ME$ | PENDING: SEND DATA 2.6.1 | |
| 17 | $ME \to UICC$ | FETCH | |
| 18 | UICC → ME | PROACTIVE COMMAND: SEND | [alpha identifier shall be displayed with bold |
| 10 | OIOO -> IVIL | DATA 2.6.1 | on] |
| 19 | $ME \to UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| | / 0.00 | DATA (immediate) 2.6.1 | |
| 20 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND DATA 2.6.3 | |
| 21 | $ME \to UICC$ | FETCH | |
| 22 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | [alpha identifier shall be displayed with bold |
| | | DATA 2.6.3 | off] |
| 23 | $ME \to UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| | | DATA (immediate) 2.6.1 | |

PROACTIVE COMMAND: SEND DATA 2.6.1

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Send Data 1"

Channel Data

Channel Data: 00 01 .. 07 (8 Bytes of data)

Text Attribute

Formatting position: 0 Formatting length: 11

Formatting mode: Left Alignment, Normal Font, Bold On, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 26 | 81 | 03 | 01 | 43 | 01 | 82 | 02 | 81 | 21 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| - | 0B | 53 | 65 | 6E | 64 | 20 | 44 | 61 | 74 | 61 | 20 | 31 |
| | B6 | 08 | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | D0 | 04 |
| | 00 | 0B | 10 | B4 | | | | | | | | |

PROACTIVE COMMAND: SEND DATA 2.6.2

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Send Data 2"

Channel Data

Channel Data: 00 01 .. 07 (8 Bytes of data)

Text Attribute

Formatting position: 0 Formatting length: 11

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 26 | 81 | 03 | 01 | 43 | 01 | 82 | 02 | 81 | 21 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0B | 53 | 65 | 6E | 64 | 20 | 44 | 61 | 74 | 61 | 20 | 32 |
| | B6 | 08 | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | D0 | 04 |
| | 00 | 0B | 00 | B4 | | | | | | | | |

PROACTIVE COMMAND: SEND DATA 2.6.3

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: UICC
Destination device: Channel 1

Alpha Identifier "Send Data 3"

Channel Data

Channel Data: 00 01 .. 07 (8 Bytes of data)

Coding:

| BER-TLV: | D0 | 20 | 81 | 03 | 01 | 43 | 01 | 82 | 02 | 81 | 21 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0B | 53 | 65 | 6E | 64 | 20 | 44 | 61 | 74 | 61 | 20 | 33 |
| | В6 | 08 | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | | |

TERMINAL RESPONSE: SEND DATA 2.6.1

Logically:

Command details

Command number:

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel data length: More than 255 bytes of space available in the Tx buffer

Coding:

| BER-TLV: | 81 | 03 | 01 | 43 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | B7 | 01 | FF | | | | | | | | | |

27.22.4.30.2.6.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 2.6.

27.22.4.30.2.7 SEND DATA (support of Text Attribute – Italic On)

27.22.4.30.2.7.1 Definition and applicability

See clause 3.2.2.

27.22.4.30.2.7.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.30.2.7.3 Test purpose

To verify that the ME shall display the alpha identifier according to the italic text attribute configuration in the SEND DATA proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.30.2.7.4 Method of test

27.22.4.30.2.7.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS. The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The channel identifier value used for these tests is set to 1 as an example.

This channel identifier is dependent on the ME"s default channel identifier as declared in table A.2/27.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

27.22.4.30.2.7.4.2 Procedure

Expected sequence 2.7 (SEND DATA with Text Attribute – Italic On)

| 1 UICC → ME 2 ME → UICC 3 UICC → ME 4 ME → USER 5 ME → UICC 6 UICC → ME 7 ME → UICC 1 ME → UICC 1 ME → UICC 2 UICC → ME 7 ME → UICC 1 ME → UICC 2 UICC → ME 8 UICC → ME 9 ME → UICC 1 TERMINAL RESPONSE: OPEN CHANNEL 1.1.18 8 UICC → ME 9 ME → UICC 1 TERMINAL RESPONSE: SEND DATA 2.7.1 1 ME → UICC 1 TERMINAL RESPONSE: SEND DATA 2.7.1 1 TERMINAL RESPONSE: SEND DATA 2.7.1 1 TERMINAL RESPONSE: SEND DATA 2.7.2 1 TERMINAL RESPONSE: SEND DATA 2.7.2 1 TERMINAL RESPONSE: SEND DATA 2.7.2 1 TERMINAL RESPONSE: SEND DATA 2.7.1 1 UICC → ME 1 UICC → ME 1 UICC → ME 1 UICC → ME 2 UICC 3 UICC → ME 4 UICC 4 UICC → ME 5 TERMINAL RESPONSE: SEND DATA 2.7.2 4 ME → UICC 5 TERMINAL RESPONSE: SEND DATA 2.7.2 4 ME → UICC 5 TERMINAL RESPONSE: SEND DATA 2.7.1 6 UICC → ME 6 UICC → ME 7 ME → UICC 7 TERMINAL RESPONSE: SEND DATA 2.7.1 7 ME → UICC 8 ME → UICC 9 ME 1 TERMINAL RESPONSE: SEND DATA 2.7.1 7 ME → UICC 1 TERMINAL RESPONSE: SEND DATA 2.7.1 7 ME → UICC 1 TERMINAL RESPONSE: SEND DATA 2.7.1 7 ME → UICC 1 TERMINAL RESPONSE: SEND DATA 2.7.1 7 ME → UICC 1 TERMINAL RESPONSE: SEND DATA 2.7.1 7 ME → UICC 1 TERMINAL RESPONSE: SEND DATA 2.7.1 8 UICC → ME 1 PROACTIVE COMMAND PENDING: SEND DATA 2.7.1 9 ME → UICC 1 TERMINAL RESPONSE: SEND DATA 2.7.1 1 TERMINAL RESPONSE: SEND DATA 2.7.1 1 TERMINAL RESPONSE: SEND DATA 2.7.3 1 TERMINAL RESPONSE: SEND DATA 2.7.3 1 TERMINAL RESPONSE: SEND DATA 2.7.3 1 TERMINAL RESPONSE: SEND DATA 2.7.3 1 TERMINAL RESPONSE: SEND DATA 2.7.3 1 TERMINAL RESPONSE: SEND DATA 2.7.3 1 TERMINAL RESPONSE: SEND DATA 2.7.3 2 ME → UICC 2 UICC → ME 2 UICC → ME 2 UICC → ME 2 UICC → ME 3 ME → UICC 3 TERMINAL RESPONSE: SEND DATA 2.7.3 3 ME → UICC 4 ME 4 UICC 5 TERMINAL RESPONSE: SEND DATA 2.7.3 5 TERMINAL RESPONSE: SEND DATA 2.7.3 5 TERMINAL RESPONSE: SEND DATA 2.7.3 5 TERMINAL RESPONSE: SEND DATA 2.7.3 5 TERMINAL RESPONSE: SEND DATA 2.7.3 5 TERMINAL RESPONSE: SEND DATA 2.7.3 5 TERMINAL RESPONSE: SEND DATA 2.7.3 5 TERMINAL RESPONSE: SEND DATA 2.7.3 | Step | Direction | MESSAGE / Action | Comments |
|---|------|-----------------------|-----------------------------|--|
| ME → UICC | | $UICC \to ME$ | | See initial conditions |
| Second Procession Processi | | | PENDING: OPEN CHANNEL 1.1.1 | |
| The ME and displayed channel opening information ME → USS ME → UICC ME → | | | | |
| ME → USS The ME may display channel opening information DPD context activation request PDP context activation accept TERMINAL RESPONSE: OPEN CHANNEL 1.1.18 TERMINAL RESPONSE: OPEN CHANNEL 1.1.18 UICC → ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.1 TERMINAL RESPONSE: SEND DATA 2.7.1 ME → UICC ME PROACTIVE COMMAND: SEND DATA 2.7.1 TERMINAL RESPONSE: SEND DATA 2.7.1 ME → UICC → ME PROACTIVE COMMAND: SEND DATA (immediate) 2.7.1 UICC → ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.2 ME → UICC ME PROACTIVE COMMAND: SEND DATA 2.7.2 ME → UICC TERMINAL RESPONSE: SEND DATA 2.7.2 ME → UICC ME PROACTIVE COMMAND: SEND DATA 2.7.2 ME → UICC TERMINAL RESPONSE: SEND DATA 2.7.1 ME → UICC ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.1 ME → UICC ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.1 ME → UICC ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.1 ME → UICC ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.1 ME → UICC ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 ME → UICC ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 ME → UICC ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 ME → UICC ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 ME → UICC ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 ME → UICC ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 ME → UICC ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 ME → UICC ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 ME → UICC ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 ME → UICC ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 ME → UICC ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 ME → UICC ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 ME → UICC ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 ME → UICC ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 ME → UICC ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 ME → UICC ME PROACTIVE COMMAND PENDING: METAL ACCOMMAND PENDING: METAL ACCOMMAND PENDING: META | 3 | $UICC \to ME$ | | |
| opening information PDP context activation request PDP context activation accept TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B B UICC → ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.1 TERMINAL RESPONSE: SEND DATA 2.7.1 ME → UICC TERMINAL RESPONSE: SEND DATA (immediate) 2.7.1 PROACTIVE COMMAND PENDING: SEND DATA 2.7.2 FETCH PROACTIVE COMMAND PENDING: SEND DATA 2.7.2 FETCH PROACTIVE COMMAND PENDING: SEND DATA 2.7.2 FETCH PROACTIVE COMMAND PENDING: SEND DATA 2.7.1 IT ME → UICC ME → UICC ME → UICC ME → UICC ME → UICC ME → UICC → ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.1 TERMINAL RESPONSE: SEND DATA (immediate) 2.7.1 PROACTIVE COMMAND PENDING: SEND DATA 2.7.1 TERMINAL RESPONSE: SEND DATA 2.7.1 TERMINAL RESPONSE: SEND DATA 2.7.1 TERMINAL RESPONSE: SEND DATA 2.7.1 TERMINAL RESPONSE: SEND DATA 2.7.1 TERMINAL RESPONSE: SEND DATA 2.7.1 TERMINAL RESPONSE: SEND DATA 2.7.1 TERMINAL RESPONSE: SEND DATA 2.7.1 TERMINAL RESPONSE: SEND DATA 2.7.3 FETCH PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 FETCH IUICC → ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 FETCH IUICC → ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 FETCH IUICC → ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 FETCH IUICC → ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 FETCH IUICC → ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 FETCH IUICC → ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 FETCH IUICC → ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 FETCH IUICC → ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 FETCH IUICC → ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 FETCH IUICC → ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 FETCH IUICC → ME IUICC → | | | | |
| S | 4 | $ME \rightarrow USER$ | | |
| SS → ME | | | | |
| TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B 8 UICC → ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.1 10 UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.1 11 ME → UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.1 12 UICC → ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.2 13 ME → UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.2 14 UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.2 15 ME → UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.1 16 UICC → ME PROACTIVE COMMAND PENDING: SEND DATA (immediate) 2.7.1 17 ME → UICC → ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.1 18 UICC → ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.1 19 ME → UICC TERMINAL RESPONSE: SEND DATA 2.7.1 19 ME → UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.1 19 ME → UICC → ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 20 UICC → ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 21 ME → UICC → ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 22 ME → UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.3 23 ME → UICC TERMINAL RESPONSE: SEND [alpha identifier shall be displayed with italic off] [Command performed successfully] | - | | | |
| CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B 8 UICC → ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.1 10 UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.1 11 ME → UICC TERMINAL RESPONSE: SEND DATA (immediate) 2.7.1 12 UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.2 13 ME → UICC FETCH 14 UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.2 15 ME → UICC FETCH 16 UICC → ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.1 17 ME → UICC DATA (immediate) 2.7.1 18 UICC → ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.1 19 ME → UICC TERMINAL RESPONSE: SEND DATA 2.7.1 19 ME → UICC DATA (immediate) 2.7.1 19 ME → UICC DATA (immediate) 2.7.1 20 UICC → ME PROACTIVE COMMAND PENDING: SEND DATA (immediate) 2.7.1 21 ME → UICC DATA (immediate) 2.7.1 22 UICC → ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 23 ME → UICC TERMINAL RESPONSE: SEND DATA 2.7.3 24 ME → UICC TERMINAL RESPONSE: SEND DATA 2.7.3 25 ME → UICC TERMINAL RESPONSE: SEND DATA 2.7.3 26 UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.3 27 ME → UICC TERMINAL RESPONSE: SEND DATA 2.7.3 28 ME → UICC TERMINAL RESPONSE: SEND [alpha identifier shall be displayed with italic off] [Command performed successfully] | _ | | • | |
| RESPONSE: OPEN CHANNEL 1.1.18 PROACTIVE COMMAND PENDING: SEND DATA 2.7.1 ME → UICC TERMINAL RESPONSE: SEND DATA 2.7.1 ME → UICC | 7 | $ME \rightarrow UICC$ | | [Command performed successfully] |
| 1.1.18 PROACTIVE COMMAND PENDING: SEND DATA 2.7.1 ME → UICC → ME | | | | |
| 8 UICC → ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.1 9 ME → UICC DATA 2.7.1 11 ME → UICC DATA 2.7.1 12 UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.1 13 ME → UICC DATA (immediate) 2.7.1 14 UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.2 15 ME → UICC TERMINAL RESPONSE: SEND DATA 2.7.2 16 UICC → ME DATA 2.7.2 17 ME → UICC TERMINAL RESPONSE: SEND DATA 2.7.1 18 UICC → ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.1 19 ME → UICC TERMINAL RESPONSE: SEND DATA 2.7.1 17 ME → UICC DATA (immediate) 2.7.1 18 UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.1 19 ME → UICC TERMINAL RESPONSE: SEND DATA 2.7.1 10 ME → UICC DATA (immediate) 2.7.1 11 TERMINAL RESPONSE: SEND DATA 2.7.3 12 UICC → ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 13 ME → UICC DATA (immediate) 2.7.1 14 ME → UICC DATA (immediate) 2.7.1 15 ME → UICC DATA (immediate) 2.7.1 16 UICC → ME DATA (immediate) 2.7.1 17 ROACTIVE COMMAND PENDING: SEND DATA 2.7.3 18 ME → UICC DATA (immediate) 2.7.1 19 ME → UICC DATA (immediate) 2.7.1 19 ME → UICC DATA (immediate) 2.7.1 20 UICC → ME DATA (immediate) 2.7.1 21 ME → UICC DATA (immediate) 2.7.1 22 UICC → ME DATA 2.7.3 23 ME → UICC TERMINAL RESPONSE: SEND DATA 2.7.3 24 ME → UICC TERMINAL RESPONSE: SEND [alpha identifier shall be displayed with italic off] [Command performed successfully] | | | | |
| PENDING: SEND DATA 2.7.1 FETCH PROACTIVE COMMAND: SEND DATA 2.7.1 11 ME → UICC WICC → ME PROACTIVE COMMAND: SEND DATA (immediate) 2.7.1 PROACTIVE COMMAND PENDING: SEND DATA 2.7.2 FETCH PROACTIVE COMMAND PENDING: SEND DATA 2.7.2 FETCH PROACTIVE COMMAND: SEND DATA 2.7.2 TERMINAL RESPONSE: SEND DATA 2.7.2 TERMINAL RESPONSE: SEND DATA (immediate) 2.7.1 PROACTIVE COMMAND PENDING: SEND DATA 2.7.1 FETCH PROACTIVE COMMAND PENDING: SEND DATA 2.7.1 FETCH PROACTIVE COMMAND PENDING: SEND DATA 2.7.1 FETCH PROACTIVE COMMAND PENDING: SEND DATA 2.7.1 FETCH PROACTIVE COMMAND PENDING: SEND DATA 2.7.1 FETCH PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 FETCH PROACTIVE COMMAND PENDING: SEND DAT | | | | |
| 9 ME → UICC 10 UICC → ME 11 ME → UICC 11 ME → UICC 12 UICC → ME 13 ME → UICC 14 UICC → ME 15 ME → UICC 16 UICC → ME 17 ME → UICC 18 UICC → ME 18 UICC 19 ME → UICC 19 ME → UICC 10 ME 10 DATA (immediate) 2.7.1 11 ME → UICC 11 ME → UICC 12 UICC → ME 13 ME → UICC 14 UICC → ME 15 ME → UICC 16 UICC → ME 17 ME → UICC 18 UICC → ME 18 UICC → ME 19 ME → UICC 19 ME → UICC 10 UICC → ME 10 DATA (immediate) 2.7.1 11 ME → UICC 12 UICC → ME 13 ME → UICC 14 UICC → ME 15 ME → UICC 16 UICC → ME 17 ME → UICC 18 UICC → ME 18 UICC → ME 19 ME → UICC 19 ME → UICC 19 UICC → ME 10 UICC → ME 11 DATA (immediate) 2.7.1 12 UICC → ME 13 ME → UICC 14 UICC → ME 15 ME → UICC 16 UICC → ME 17 ME → UICC 18 UICC → ME 18 UICC 19 UICC → ME 19 ME → UICC 10 UICC → ME 10 DATA 2.7.3 11 ME → UICC 12 UICC → ME 12 UICC → ME 13 ME → UICC 14 ME → UICC 15 Galpha identifier shall be displayed with italic on and performed successfully and performed | 8 | UICC → ME | | |
| UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.1 TERMINAL RESPONSE: SEND DATA (immediate) 2.7.1 PROACTIVE COMMAND PENDING: SEND DATA 2.7.2 ME → UICC ME UICC → ME WE → UICC ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.2 FETCH PROACTIVE COMMAND: SEND DATA 2.7.2 TERMINAL RESPONSE: SEND DATA (immediate) 2.7.1 PROACTIVE COMMAND PENDING: SEND DATA 2.7.1 FETCH WE → UICC ME UICC → ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.1 FETCH PROACTIVE COMMAND: SEND DATA 2.7.1 TERMINAL RESPONSE: SEND DATA 2.7.1 TERMINAL RESPONSE: SEND DATA (immediate) 2.7.1 PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 TERMINAL RESPONSE: SEND DATA (immediate) 2.7.1 PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 FETCH PROACTIVE COMMAND PENDING: SEND DATA 2.7.1 FETCH PROACTIVE COMMAND PENDING: SEND DATA 2.7.1 FETCH PROACTIVE COMA | ۵ | ME LUCC | | |
| DATA 2.7.1 TERMINAL RESPONSE: SEND DATA (immediate) 2.7.1 PROACTIVE COMMAND PENDING: SEND DATA 2.7.2 ME → UICC ME PROACTIVE COMMAND: SEND DATA 2.7.2 TERMINAL RESPONSE: SEND DATA 2.7.2 TERMINAL RESPONSE: SEND DATA 2.7.1 ME → UICC ME → UICC ME → ME PROACTIVE COMMAND: SEND DATA (immediate) 2.7.1 PROACTIVE COMMAND PENDING: SEND DATA 2.7.1 ME → UICC ME → UICC ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.1 ME → UICC ME → UICC ME PROACTIVE COMMAND: SEND DATA 2.7.1 ME → UICC ME → UICC ME PROACTIVE COMMAND: SEND DATA 2.7.1 ME → UICC | | | | Calpha identifier shall be displayed with Italic |
| 11 ME → UICC TERMINAL RESPONSE: SEND DATA (immediate) 2.7.1 12 UICC → ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.2 13 ME → UICC FETCH PROACTIVE COMMAND: SEND DATA 2.7.2 15 ME → UICC TERMINAL RESPONSE: SEND DATA 2.7.1 16 UICC → ME PROACTIVE COMMAND PENDING: SEND DATA (immediate) 2.7.1 17 ME → UICC FETCH PROACTIVE COMMAND PENDING: SEND DATA 2.7.1 18 UICC → ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.1 19 ME → UICC TERMINAL RESPONSE: SEND DATA 2.7.1 19 ME → UICC TERMINAL RESPONSE: SEND DATA 2.7.1 20 UICC → ME PROACTIVE COMMAND PENDING: SEND DATA (immediate) 2.7.1 21 ME → UICC FETCH PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 22 ME → UICC FETCH PROACTIVE COMMAND: SEND DATA 2.7.3 23 ME → UICC TERMINAL RESPONSE: SEND [alpha identifier shall be displayed with italic off] [Command performed successfully] | 10 | OICC → IVIE | | - · |
| DATA (immediate) 2.7.1 PROACTIVE COMMAND PENDING: SEND DATA 2.7.2 13 ME → UICC 14 UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.2 15 ME → UICC 16 UICC → ME PROACTIVE COMMAND: SEND DATA (immediate) 2.7.1 17 ME → UICC 18 UICC → ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.1 17 ME → UICC 18 UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.1 19 ME → UICC 10 UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.1 10 ME → UICC 11 DATA (immediate) 2.7.1 11 ME → UICC 12 UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.3 13 ME → UICC 14 DATA 2.7.3 15 ME → UICC 15 DATA (immediate) 2.7.1 16 UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.3 17 ME → UICC 18 UICC → ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 19 ME → UICC 20 UICC → ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 19 ME → UICC 21 UICC → ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 22 ME → UICC 23 ME → UICC 25 UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.3 26 DATA 2.7.3 27 ME → UICC 28 DATA 2.7.3 29 DATA (immediate) 2.7.1 19 DATA (immediate) 2.7.1 20 UICC → ME PROACTIVE COMMAND: SEND DATA (immediate) 2.7.1 20 UICC → ME PROACTIVE COMMAND: SEND DATA (immediate) 2.7.1 20 UICC → ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 PROACTIVE COMMAND: SEND DATA (immediate) 2.7.1 PROACTIVE COMMAND: SEND DATA (immediate) 2.7.1 [alpha identifier shall be displayed with italic off] [command performed successfully] | 11 | ME → LIICC | | |
| 12 UICC → ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.2 13 ME → UICC 14 UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.2 15 ME → UICC 16 UICC → ME PROACTIVE COMMAND: SEND DATA (immediate) 2.7.1 17 ME → UICC 18 UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.1 19 ME → UICC 19 ME → UICC 10 UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.1 10 ME → UICC 11 DATA (immediate) 2.7.1 12 UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.1 13 ME → UICC 14 UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.1 15 ME → UICC 16 UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.1 17 ME → UICC DATA (immediate) 2.7.1 18 UICC → ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 19 ME → UICC 10 UICC → ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 21 ME → UICC 22 UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.3 23 ME → UICC 16 IIID identifier shall be displayed with italic off off off off off off off off off of | 1 | IVIL 70100 | | [Command ponomica successiony] |
| PENDING: SEND DATA 2.7.2 13 | 12 | $UICC \to ME$ | | |
| 14 UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.2 [alpha identifier shall be displayed with italic off] 15 ME → UICC TERMINAL RESPONSE: SEND DATA (immediate) 2.7.1 [command performed successfully] 16 UICC → ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.1 [alpha identifier shall be displayed with italic on] 17 ME → UICC PROACTIVE COMMAND: SEND DATA 2.7.1 [alpha identifier shall be displayed with italic on] 19 ME → UICC TERMINAL RESPONSE: SEND DATA 2.7.1 [command performed successfully] 20 UICC → ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 [command performed successfully] 21 ME → UICC FETCH PROACTIVE COMMAND: SEND DATA 2.7.3 [alpha identifier shall be displayed with italic off] 22 ME → UICC TERMINAL RESPONSE: SEND [alpha identifier shall be displayed with italic off] 23 ME → UICC TERMINAL RESPONSE: SEND [command performed successfully] | | 0.00 / | | |
| DATA 2.7.2 15 ME → UICC TERMINAL RESPONSE: SEND DATA (immediate) 2.7.1 16 UICC → ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.1 17 ME → UICC 18 UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.1 19 ME → UICC TERMINAL RESPONSE: SEND DATA 2.7.1 20 UICC → ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 21 ME → UICC 22 UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.3 23 ME → UICC TERMINAL RESPONSE: SEND DATA 2.7.3 TERMINAL RESPONSE: SEND DATA 2.7.3 [alpha identifier shall be displayed with italic off] [command performed successfully] [alpha identifier shall be displayed with italic off] [command performed successfully] | 13 | $ME \to UICC$ | FETCH | |
| ME → UICC TERMINAL RESPONSE: SEND DATA (immediate) 2.7.1 UICC → ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.1 ME → UICC FETCH PROACTIVE COMMAND: SEND DATA 2.7.1 ME → UICC TERMINAL RESPONSE: SEND DATA 2.7.1 ME → UICC TERMINAL RESPONSE: SEND DATA (immediate) 2.7.1 PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 ME → UICC ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 FETCH PROACTIVE COMMAND: SEND DATA 2.7.3 ME → UICC → ME DATA 2.7.3 FETCH PROACTIVE COMMAND: SEND DATA 2.7.3 [alpha identifier shall be displayed with italic off] ME → UICC TERMINAL RESPONSE: SEND [command performed successfully] | 14 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | [alpha identifier shall be displayed with italic |
| DATA (immediate) 2.7.1 PROACTIVE COMMAND PENDING: SEND DATA 2.7.1 THE → UICC PROACTIVE COMMAND: SEND DATA 2.7.1 PROACTIVE COMMAND: SEND DATA 2.7.1 TERMINAL RESPONSE: SEND DATA (immediate) 2.7.1 PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 TERMINAL RESPONSE: SEND DATA (immediate) 2.7.1 PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 TERMINAL RESPONSE: SEND DATA 2.7.3 TERMINAL RESPONSE: SEND DATA 2.7.3 TERMINAL RESPONSE: SEND [alpha identifier shall be displayed with italic off] [Command performed successfully] | | | DATA 2.7.2 | off] |
| 16 UICC → ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.1 17 ME → UICC 18 UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.1 19 ME → UICC 17 TERMINAL RESPONSE: SEND DATA (immediate) 2.7.1 20 UICC → ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 21 ME → UICC 22 UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.3 23 ME → UICC TERMINAL RESPONSE: SEND DATA 2.7.3 [alpha identifier shall be displayed with italic off] [command performed successfully] [alpha identifier shall be displayed with italic off] [command performed successfully] | 15 | $ME \to UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| PENDING: SEND DATA 2.7.1 ME → UICC | | | | |
| ME → UICC FETCH PROACTIVE COMMAND: SEND DATA 2.7.1 ME → UICC TERMINAL RESPONSE: SEND DATA (immediate) 2.7.1 PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 PROACTIVE COMMAND: SEND DATA 2.7.3 PROACTIVE COMMAND: SEND DATA 2.7.3 TERMINAL RESPONSE: SEND [alpha identifier shall be displayed with italic off] [Command performed successfully] | 16 | $UICC \to ME$ | | |
| 18 UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.1 19 ME → UICC TERMINAL RESPONSE: SEND DATA (immediate) 2.7.1 20 UICC → ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 21 ME → UICC FETCH PROACTIVE COMMAND: SEND DATA 2.7.3 22 UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.3 23 ME → UICC TERMINAL RESPONSE: SEND [alpha identifier shall be displayed with italic off] [Command performed successfully] | | | | |
| DATA 2.7.1 19 ME → UICC TERMINAL RESPONSE: SEND DATA (immediate) 2.7.1 20 UICC → ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 21 ME → UICC FETCH PROACTIVE COMMAND: SEND DATA 2.7.3 22 ME → UICC TERMINAL RESPONSE: SEND [alpha identifier shall be displayed with italic off] 23 ME → UICC TERMINAL RESPONSE: SEND [Command performed successfully] | | | _ | |
| 19 ME → UICC TERMINAL RESPONSE: SEND DATA (immediate) 2.7.1 20 UICC → ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 21 ME → UICC FETCH PROACTIVE COMMAND: SEND DATA 2.7.3 22 UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.3 23 ME → UICC TERMINAL RESPONSE: SEND [Command performed successfully] | 18 | $UICC \to ME$ | | |
| DATA (immediate) 2.7.1 PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 PETCH PROACTIVE COMMAND: SEND DATA 2.7.3 PETCH PROACTIVE COMMAND: SEND DATA 2.7.3 ME → UICC ME → UICC TERMINAL RESPONSE: SEND [alpha identifier shall be displayed with italic off] [Command performed successfully] | 4.0 | | | |
| UICC → ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 ME → UICC FETCH PROACTIVE COMMAND: SEND DATA 2.7.3 ME → UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.3 ME → UICC TERMINAL RESPONSE: SEND [Command performed successfully] | 19 | $ME \rightarrow UICC$ | | [Command performed successfully] |
| PENDING: SEND DATA 2.7.3 21 ME → UICC FETCH 22 UICC → ME PROACTIVE COMMAND: SEND [alpha identifier shall be displayed with italic off] 23 ME → UICC TERMINAL RESPONSE: SEND [Command performed successfully] | | 11100 145 | | |
| ME → UICC FETCH UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.3 ME → UICC FETCH [alpha identifier shall be displayed with italic off] ME → UICC TERMINAL RESPONSE: SEND [Command performed successfully] | 20 | UICC → ME | | |
| 22 UICC → ME PROACTIVE COMMAND: SEND [alpha identifier shall be displayed with italic off] 23 ME → UICC TERMINAL RESPONSE: SEND [Command performed successfully] | 21 | ME LUCC | | |
| DATA 2.7.3 off] ME → UICC TERMINAL RESPONSE: SEND [Command performed successfully] | | | | Calaba identifier shall be displayed with italia |
| 23 ME → UICC TERMINAL RESPONSE: SEND [Command performed successfully] | ~~ | UICC → IVIE | | |
| | 23 | ME -> LIICC | | |
| I I I I I I I I I I I I I I I I I I I | 23 | IVIE → UICC | DATA (immediate) 2.7.1 | [Command performed successfully] |

PROACTIVE COMMAND: SEND DATA 2.7.1

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Send Data 1"

Channel Data

Channel Data: 00 01 .. 07 (8 Bytes of data)

Text Attribute

Formatting position: 0 Formatting length: 11

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic On, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 26 | 81 | 03 | 01 | 43 | 01 | 82 | 02 | 81 | 21 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0B | 53 | 65 | 6E | 64 | 20 | 44 | 61 | 74 | 61 | 20 | 31 |
| | В6 | 08 | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | D0 | 04 |
| | 00 | 0B | 20 | B4 | | | | | | | | |

PROACTIVE COMMAND: SEND DATA 2.7.2

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Send Data 2"

Channel Data

Channel Data: 00 01 .. 07 (8 Bytes of data)

Text Attribute

Formatting position: 0 Formatting length: 11

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 26 | 81 | 03 | 01 | 43 | 01 | 82 | 02 | 81 | 21 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0B | 53 | 65 | 6E | 64 | 20 | 44 | 61 | 74 | 61 | 20 | 32 |
| | B6 | 08 | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | D0 | 04 |
| | 00 | 0B | 00 | B4 | | | | | | | | |

PROACTIVE COMMAND: SEND DATA 2.7.3

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Send Data 3"

Channel Data

Channel Data: 00 01 .. 07 (8 Bytes of data)

Coding:

| BER-TLV: | D0 | 20 | 81 | 03 | 01 | 43 | 01 | 82 | 02 | 81 | 21 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0B | 53 | 65 | 6E | 64 | 20 | 44 | 61 | 74 | 61 | 20 | 33 |
| | B6 | 08 | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | | |

TERMINAL RESPONSE: SEND DATA 2.7.1

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel data length: More than 255 bytes of space available in the Tx buffer Coding:

| BER-TLV: | 81 | 03 | 01 | 43 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | B7 | 01 | FF | | | | | | | | | |

27.22.4.30.2.7.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 2.7.

27.22.4.30.2.8 SEND DATA (support of Text Attribute – Underline On)

27.22.4.30.2.8.1 Definition and applicability

See clause 3.2.2.

27.22.4.30.2.8.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.30.2.8.3 Test purpose

To verify that the ME shall display the alpha identifier according to the underline text attribute configuration in the SEND DATA proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.30.2.8.4 Method of test

27.22.4.30.2.8.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS. The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The channel identifier value used for these tests is set to 1 as an example.

This channel identifier is dependent on the ME"s default channel identifier as declared in table A.2/27.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

27.22.4.30.2.8.4.2 Procedure

Expected sequence 2.8 (SEND DATA with Text Attribute – Underline On)

| Step | Direction | MESSAGE / Action | Comments |
|--------|-----------------------|---|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | See initial conditions |
| | | PENDING: OPEN CHANNEL 1.1.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: OPEN | |
| | | CHANNEL 1.1.1 | |
| 4 | $ME \rightarrow USER$ | The ME may display channel | |
| _ | NAT 1100 | opening information | |
| 5 | ME → USS | PDP context activation request | |
| 6 7 | USS → ME | PDP context activation accept | [Company on the property of the company of the comp |
| 1 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: OPEN | [Command performed successfully] |
| | | CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL | |
| | | 1.1.1B | |
| 8 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | OIOO / IVIL | PENDING: SEND DATA 2.8.1 | |
| 9 | $ME \rightarrow UICC$ | FETCH | |
| 10 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | [alpha identifier shall be displayed with |
| | | DATA 2.8.1 | underline on] |
| 11 | $ME \to UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| | | DATA (immediate) 2.8.1 | |
| 12 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND DATA 2.8.2 | |
| 13 | $ME \rightarrow UICC$ | FETCH | |
| 14 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | [alpha identifier shall be displayed with |
| 45 | ME IIIOO | DATA 2.8.2 | underline off] |
| 15 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND DATA (immediate) 2.8.1 | [Command performed successfully] |
| 16 | $UICC \to ME$ | PROACTIVE COMMAND | |
| 10 | UICC → IVIE | PENDING: SEND DATA 2.8.1 | |
| 17 | $ME \rightarrow UICC$ | FETCH | |
| 18 | UICC → ME | PROACTIVE COMMAND: SEND | [alpha identifier shall be displayed with |
| . • | 0100 7 1112 | DATA 2.8.1 | underline on] |
| 19 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| | | DATA (immediate) 2.8.1 | , ,, |
| 20 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND DATA 2.8.3 | |
| 21 | $ME \to UICC$ | FETCH | |
| 22 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | [alpha identifier shall be displayed with |
| | | DATA 2.8.3 | underline off] |
| 23 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| | | DATA (immediate) 2.8.1 | |

PROACTIVE COMMAND: SEND DATA 2.8.1

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Send Data 1"

Channel Data

Channel Data: 00 01 .. 07 (8 Bytes of data)

Text Attribute

Formatting position: 0 Formatting length: 11 Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline On,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 26 | 81 | 03 | 01 | 43 | 01 | 82 | 02 | 81 | 21 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0B | 53 | 65 | 6E | 64 | 20 | 44 | 61 | 74 | 61 | 20 | 31 |
| | В6 | 08 | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | D0 | 04 |
| | 00 | 0B | 40 | B4 | | | | | | | | |

PROACTIVE COMMAND: SEND DATA 2.8.2

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Send Data 2"

Channel Data

Channel Data: 00 01 .. 07 (8 Bytes of data)

Text Attribute

Formatting position: 0 Formatting length: 11

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 26 | 81 | 03 | 01 | 43 | 01 | 82 | 02 | 81 | 21 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0B | 53 | 65 | 6E | 64 | 20 | 44 | 61 | 74 | 61 | 20 | 32 |
| | B6 | 08 | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | D0 | 04 |
| | 00 | 0B | 00 | B4 | | | | , | | | | , |

PROACTIVE COMMAND: SEND DATA 2.8.3

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Send Data 3"

Channel Data

Channel Data: 00 01 .. 07 (8 Bytes of data)

Coding:

| BER-TLV: | D0 | 20 | 81 | 03 | 01 | 43 | 01 | 82 | 02 | 81 | 21 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0B | 53 | 65 | 6E | 64 | 20 | 44 | 61 | 74 | 61 | 20 | 33 |
| | В6 | 08 | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | | |

TERMINAL RESPONSE: SEND DATA 2.8.1

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel data length: More than 255 bytes of space available in the Tx buffer

Coding:

| BER-TLV: | 81 | 03 | 01 | 43 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | B7 | 01 | FF | | | | | | | | | |

27.22.4.30.2.8.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 2.8.

27.22.4.30.2.9 SEND DATA (support of Text Attribute – Strikethrough On)

27.22.4.30.2.9.1 Definition and applicability

See clause 3.2.2.

27.22.4.30.2.9.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.30.2.9.3 Test purpose

To verify that the ME shall display the alpha identifier according to the strikethrough text attribute configuration in the SEND DATA proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.30.2.9.4 Method of test

27.22.4.30.2.9.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS. The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The channel identifier value used for these tests is set to 1 as an example.

This channel identifier is dependent on the ME"s default channel identifier as declared in table A.2/27.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

27.22.4.30.2.9.4.2 Procedure

Expected sequence 2.9 (SEND DATA with Text Attribute – Strikethrough On)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | See initial conditions |
| | | PENDING: OPEN CHANNEL 1.1.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: OPEN | |
| | | CHANNEL 1.1.1 | |
| 4 | $ME \rightarrow USER$ | The ME may display channel | |
| _ | | opening information | |
| 5 | $ME \rightarrow USS$ | PDP context activation request | |
| 6 | $USS \to ME$ | PDP context activation accept | |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: OPEN | [Command performed successfully] |
| | | CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL | |
| | | 1.1.1B | |
| 8 | $UICC \to ME$ | PROACTIVE COMMAND | |
| 0 | OICC - IVIL | PENDING: SEND DATA 2.9.1 | |
| 9 | $ME \to UICC$ | FETCH | |
| 10 | $UICC \rightarrow ME$ | PROACTIVE COMMAND: SEND | [alpha identifier shall be displayed with |
| | 0.00 / | DATA 2.9.1 | strikethrough on] |
| 11 | $ME \to UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| | | DATA (immediate) 2.9.1 | |
| 12 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND DATA 2.9.2 | |
| 13 | $ME \rightarrow UICC$ | FETCH | |
| 14 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | [alpha identifier shall be displayed with |
| | | DATA 2.9.2 | strikethrough off] |
| 15 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| 16 | LUCC ME | DATA (immediate) 2.9.1 PROACTIVE COMMAND | |
| 10 | $UICC \to ME$ | PENDING: SEND DATA 2.9.1 | |
| 17 | $ME \rightarrow UICC$ | FETCH | |
| 18 | $UICC \rightarrow ME$ | PROACTIVE COMMAND: SEND | [alpha identifier shall be displayed with |
| '0 | OIOO -> IVIL | DATA 2.9.1 | strikethrough on] |
| 19 | $ME \to UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| | | DATA (immediate) 2.9.1 | [|
| 20 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND DATA 2.9.3 | |
| 21 | $ME \to UICC$ | FETCH | |
| 22 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | [alpha identifier shall be displayed with |
| | | DATA 2.9.3 | strikethrough off] |
| 23 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| | | DATA (immediate) 2.9.1 | |

PROACTIVE COMMAND: SEND DATA 2.9.1

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Send Data 1"

Channel Data

Channel Data: 00 01 .. 07 (8 Bytes of data)

Text Attribute

Formatting position: 0 Formatting length: 11

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough On

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 26 | 81 | 03 | 01 | 43 | 01 | 82 | 02 | 81 | 21 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0B | 53 | 65 | 6E | 64 | 20 | 44 | 61 | 74 | 61 | 20 | 31 |
| | В6 | 08 | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | D0 | 04 |
| | 00 | 0B | 80 | B4 | | | | | | | | |

PROACTIVE COMMAND: SEND DATA 2.9.2

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Send Data 2"

Channel Data

Channel Data: 00 01 .. 07 (8 Bytes of data)

Text Attribute

Formatting position: 0 Formatting length: 11

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 26 | 81 | 03 | 01 | 43 | 01 | 82 | 02 | 81 | 21 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0B | 53 | 65 | 6E | 64 | 20 | 44 | 61 | 74 | 61 | 20 | 32 |
| | В6 | 08 | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | D0 | 04 |
| | 00 | 0B | 00 | B4 | | | | | | | | |

PROACTIVE COMMAND: SEND DATA 2.9.3

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Send Data 3"

Channel Data

Channel Data: 00 01 .. 07 (8 Bytes of data)

Coding:

| BER-TLV: | D0 | 20 | 81 | 03 | 01 | 43 | 01 | 82 | 02 | 81 | 21 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0B | 53 | 65 | 6E | 64 | 20 | 44 | 61 | 74 | 61 | 20 | 33 |
| | B6 | 08 | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | | |

TERMINAL RESPONSE: SEND DATA 2.9.1

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel data length: More than 255 bytes of space available in the Tx buffer

Coding:

| BER-TLV: | 81 | 03 | 01 | 43 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | B7 | 01 | FF | | | | | | | | | |

27.22.4.30.2.9.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 2.9.

27.22.4.30.2.10 SEND DATA (support of Text Attribute – Foreground and Background Colour)

27.22.4.30.2.10.1 Definition and applicability

See clause 3.2.2.

27.22.4.30.2.10.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.30.2.10.3 Test purpose

To verify that the ME shall display the alpha identifier according to the foreground and background colour text attribute configuration in the SEND DATA proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.30.2.10.4 Method of test

27.22.4.30.2.10.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS. The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The channel identifier value used for these tests is set to 1 as an example.

This channel identifier is dependent on the ME"s default channel identifier as declared in table A.2/27.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

27.22.4.30.2.10.4.2 Procedure

Expected sequence 2.10 (SEND DATA with Text Attribute – Foreground and Background Colour)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | See initial conditions |
| | | PENDING: OPEN CHANNEL 1.1.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: OPEN | |
| | | CHANNEL 1.1.1 | |
| 4 | $ME \rightarrow USER$ | , , , | |
| _ | | opening information | |
| 5 | ME → USS | PDP context activation request | |
| 6 | $USS \to ME$ | PDP context activation accept | |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: OPEN | [Command performed successfully] |
| | | CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL | |
| | | 1.1.1B | |
| 8 | UICC → ME | PROACTIVE COMMAND | |
| | OICC - IVIL | PENDING: SEND DATA 2.10.1 | |
| 9 | $ME \rightarrow UICC$ | FETCH | |
| 10 | UICC → ME | PROACTIVE COMMAND: SEND | [alpha identifier shall be displayed with |
| | 0.00 / | DATA 2.10.1 | foreground and background colour according |
| | | | to the text attribute configuration] |
| 11 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| | | DATA (immediate) 2.10.1 | |
| 12 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SEND DATA 2.10.2 | |
| 13 | $ME \rightarrow UICC$ | FETCH | |
| 14 | $UICC \to ME$ | PROACTIVE COMMAND: SEND | [alpha identifier shall be displayed with ME"s |
| | | DATA 2.10.2 | default foreground and background colour] |
| 15 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND | [Command performed successfully] |
| | | DATA (immediate) 2.10.1 | |

PROACTIVE COMMAND: SEND DATA 2.10.1

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Send Data 1"

Channel Data

Channel Data: 00 01 .. 07 (8 Bytes of data)

Text Attribute

Formatting position: 0 Formatting length: 11 Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

| BER-TLV: | D0 | 26 | 81 | 03 | 01 | 43 | 01 | 82 | 02 | 81 | 21 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0B | 53 | 65 | 6E | 64 | 20 | 44 | 61 | 74 | 61 | 20 | 31 |
| | B6 | 08 | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | D0 | 04 |
| | 00 | 0B | 00 | B4 | | | | | | | | |

PROACTIVE COMMAND: SEND DATA 2.10.2

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Send Data 2"

Channel Data

Channel Data: 00 01 .. 07 (8 Bytes of data)

Coding:

| BER-TLV: | D0 | 20 | 81 | 03 | 01 | 43 | 01 | 82 | 02 | 81 | 21 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0B | 53 | 65 | 6E | 64 | 20 | 44 | 61 | 74 | 61 | 20 | 32 |
| | B6 | 08 | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | | |

TERMINAL RESPONSE: SEND DATA 2.10.1

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel data length: More than 255 bytes of space available in the Tx buffer

Coding:

| BER-TLV: | 81 | 03 | 01 | 43 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | B7 | 01 | FF | | | | | | | | | |

27.22.4.30.2.10.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 2.10.

27.22.4.30.3 SEND DATA (E-UTRAN)

27.22.4.30.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.30.3.2 Conformance requirements

The ME shall support the class "e" commands and E-UTRAN as defined in:

- TS 31.111 [15].

27.22.4.30.3.3 Test purpose

To verify that the ME shall send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC after the ME receives the SEND DATA proactive command. The TERMINAL RESPONSE sent back to the UICC is the result of the ME and the network capabilities against requested parameters by the UICC.

To verify that the ME uses the default EPS bearer as requested in the Open Channel Command.

27.22.4.30.3.4 Method of test

27.22.4.30.3.4.1 Initial conditions

The ME is connected to the USIM Simulator and the E-USS. Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The default E-UTRAN/EPC UICC, the default E-UTRAN parameters and the following parameters are used:

Network access name: TestGp.rs
User login: UserLog
User password: UserPwd

UICC/ME interface transport level:Same UICC/ME transport interface level as defined in 27.22.4.27.6.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.6.4.1.

The Channel identifier value used for these tests is set to 1 as an example.

This channel identifier is dependent on the ME"s default channel identifier as declared in table A.2/27.

Prior to test case execution the apparatus supplier shall have provided the "Preferred buffer size supported by the terminal for Open Channel command" as requested in table A.2/29.

27.22.4.30.3.4.2 Procedure

Expected sequence 3.1 (SEND DATA, E-UTRAN, Defaults EPS bearer, immediate mode)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: OPEN CHANNEL 3.1.1 | See initial conditions |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: OPEN CHANNEL 3.1.1 | |
| 4 | $ME \rightarrow USER$ | The ME may display channel opening information | [The user shall confirm the channel opening if required] |
| 5 | $ME \to E\text{-}USS$ | No PDN connectivity request | |
| 6 | ME → UICC | TERMINAL RESPONSE: OPEN CHANNEL 3.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 3.1.1B | [Command performed successfully] |
| 7 | UICC → ME | PROACTIVE COMMAND | |
| , | OICC → IVIE | PENDING: SEND DATA 3.1.1 | |
| 8 | $ME \rightarrow UICC$ | FETCH | |
| 9 | $UICC \to ME$ | PROACTIVE COMMAND: SEND DATA (immediate) 3.1.1 | |
| 10 | $ME \to E\text{-}USS$ | Transfer of 8 Bytes of data to the USS through channel 1 | |
| 11 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND DATA (immediate) 3.1.1 | [Command performed successfully] |
| 12 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: CLOSE CHANNEL 3.1.1 | |
| 13 | $ME \rightarrow UICC$ | FETCH | |
| 14 | $UICC \to ME$ | PROACTIVE COMMAND: CLOSE CHANNEL 3.1.1 | |
| 15 | $ME \rightarrow UICC$ | TERMINAL RESPONSE CLOSE CHANNEL 3.1.1 | [Command performed successfully] |

PROACTIVE COMMAND: OPEN CHANNEL 3.1.1

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC Destination device: ME

Bearer

Bearer type: Default bearer for requested transport layer

Buffer

Buffer size: 1400

Text String: "UserLog" (User login)
Text String: "UserPwd" (User password)

UICC/ME interface transport level

Transport format: TCP, UICC in client mode, remote connection

Port number: 44444
Data destination address 01.01.01.01

Coding:

| BER-TLV: | D0 | 30 | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 81 | 82 | 35 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 01 | 03 | 39 | 02 | 05 | 78 | 0D | 08 | F4 | 55 | 73 | 65 |
| | 72 | 4C | 6F | 67 | 0D | 08 | F4 | 55 | 73 | 65 | 72 | 50 |
| | 77 | 64 | 3C | 03 | 02 | AD | 9C | 3E | 05 | 21 | 01 | 01 |
| | 01 | 01 | | | | | | | | | | |

TERMINAL RESPONSE: OPEN CHANNEL 3.1.1A

Logically:

Command details

Command number:

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

1

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer

Bearer type: Default bearer for requested transport layer

Buffer

Buffer size: 1400

Coding:

| BER-TLV: | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 38 | 02 | 81 | 00 | 35 | 01 | 03 | 39 | 02 | 05 | 78 | |

TERMINAL RESPONSE: OPEN CHANNEL 3.1.1B

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer

Bearer type: E-UTRAN / mapped UTRAN packet service

QCI 9

Maximum bit rate for uplink: 64 kbps
Maximum bit rate for downlink: 64 kbps
Guaranteed bit rate for uplink: 64 kbps
Guaranteed bit rate for downlink: 64 kbps

Maximum bit rate for uplink (extended): 0
Maximum bit rate for downlink (extended): 0
Guaranteed bit rate for uplink (extended): 0
Guaranteed bit rate for downlink (extended): 0
PDN Type: IP

Buffer

Buffer size: 1400

Coding:

| BER-TLV: | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 38 | 02 | 81 | 00 | 35 | 0B | 0B | 09 | 40 | 40 | 40 | 40 |
| | 00 | 00 | 00 | 00 | 02 | 39 | 02 | 05 | 78 | | | |

PROACTIVE COMMAND: SEND DATA 3.1.1

Logically:

Command details

Command number: 1

Command type: SEND DATA

Command qualifier: Send Immediately

Device identities

Source device: UICC

Destination device: Channel 1

Channel Data

Channel Data: 00 01 .. 07 (8 Bytes of data)

Coding:

| BER-TLV: | D0 | 13 | 81 | 03 | 01 | 43 | 01 | 82 | 02 | 81 | 21 | B6 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 08 | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | | | |

TERMINAL RESPONSE: SEND DATA 3.1.1

Logically:

Command details

Command number: 1

Command type: SEND DATA

Command qualifier: Send Immediately

Device identities

Source device: ME

Destination device: UICC

Result

General Result: Command performed successfully

Channel data length: More than 255 bytes of space available in the Tx buffer

Coding:

| BER-TLV: | 81 | 03 | 01 | 43 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | | | | | | | | | | | | |

| B7 | 01 | FF | | | | | |
|----|----|----|--|--|--|--|--|
| | | | | | | | |

PROACTIVE COMMAND: CLOSE CHANNEL 3.1.1

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: UICC

Destination device: Channel 1

Coding:

| BER-TLV: | D0 | 09 | 81 | 03 | 01 | 41 | 00 | 82 | 02 | 81 | 21 |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| | | | | | | | | | | | |

TERMINAL RESPONSE: CLOSE CHANNEL 3.1.1

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: ME

Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 41 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | | | | | | | | | | | | |

Expected sequence 3.2 (SEND DATA, E-UTRAN, APN different from default APN, Store mode)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------|--|----------|
| 1 | UICC → ME | PROACTIVE COMMAND PENDING: OPEN CHANNEL 3.2.1 | |
| 2 | ME → UICC | FETCH | |

| 3 | UICC → ME | PROACTIVE COMMAND: OPEN CHANNEL 3.2.1 | |
|----|-------------------------|--|--|
| 4 | ME → USER | The ME should not display channel opening information | |
| 5 | ME → E-USS | PDN CONNECTIVITY REQUEST | [The PDN CONNECTIVITY REQUEST shall contain the APN "Test12.rs"] |
| 6 | $E\text{-USS} \to ME$ | ACTIVATE DEFAULT EPS BEARER CONTEXT REQUEST | [The E-UTRAN parameters are used] |
| 7 | $ME \rightarrow E$ -USS | ACTIVATE DEFAULT EPS BEARER CONTEXT ACCEPT | |
| 8 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: OPEN CHANNEL 3.2.1 | [Command performed successfully] |
| 9 | $UICC \rightarrow ME$ | PROACTIVE COMMAND PENDING: SEND DATA 3.2.1 | |
| 10 | $ME \rightarrow UICC$ | FETCH | |
| 11 | $UICC \rightarrow ME$ | PROACTIVE COMMAND: SEND DATA (store mode) 3.2.1 | Send 500 Bytes of data (200 + 200 + 100) |
| 12 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND DATA (store mode) 3.2.1 | [Command performed successfully] |
| 13 | $UICC \rightarrow ME$ | PROACTIVE COMMAND PENDING: SEND DATA 3.2.2 | |
| 14 | ME → UICC | FETCH | |
| 15 | $UICC \rightarrow ME$ | PROACTIVE COMMAND: SEND DATA (store mode) 3.2.2 | [200 Bytes] |
| 16 | ME → UICC | TERMINAL RESPONSE: SEND DATA (store mode) 3.2.2 | [Command performed successfully] |
| 17 | $UICC \rightarrow ME$ | PROACTIVE COMMAND PENDING: SEND DATA 3.2.3 | |
| 18 | $ME \rightarrow UICC$ | FETCH | |
| 19 | $UICC \rightarrow ME$ | PROACTIVE COMMAND: SEND DATA (Immediate mode) 3.2.3 | [100 Bytes] |
| 20 | $ME \rightarrow E$ -USS | Transfer of 500 Bytes of data to the USS through channel 1 | |
| 21 | ME → UICC | TERMINAL RESPONSE: SEND DATA (Immediate mode) 3.2.3 | [Command performed successfully] |
| 22 | UICC → ME | PROACTIVE COMMAND PENDING: CLOSE CHANNEL 3.2.1 | |
| 23 | ME → UICC | FETCH | |
| 24 | UICC → ME | PROACTIVE COMMAND: CLOSE CHANNEL 3.2.1 | |

| 25 | | [Command performed successfully] |
|----|---------------|----------------------------------|
| | CHANNEL 3.2.1 | |

PROACTIVE COMMAND: OPEN CHANNEL 3.2.1

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC

Destination device: ME

Alpha Identifier: empty

Bearer

Bearer type: GPRS / UTRAN packet service / E-UTRAN

Precedence Class: 03

Delay Class: 04

Reliability Class: 02

Peak throughput class: 09

Mean throughput class: 31

Packet data protocol:02 (IP)

Buffer

Buffer size: 1400

Network access name: Test12.rs

Text String: "UserLog" (User login)

Text String: "UserPwd" (User password)

UICC/ME interface transport level

Transport format:TCP

Port number: 44444

Data destination address 01.01.01.01

| BER-TLV: | D0 | 44 | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 81 | 82 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | 35 | 07 | 02 | 03 | 04 | 02 | 09 | 1F | 02 | 39 | 02 |
| | 05 | 78 | 47 | 0A | 06 | 54 | 65 | 73 | 74 | 31 | 32 | 02 |

| 72 | 73 | 0D | 08 | F4 | 55 | 73 | 65 | 72 | 4C | 6F | 67 |
|----|----|----|----|----|----|----|----|----|----|----|----|
| 0D | 08 | F4 | 55 | 73 | 65 | 72 | 50 | 77 | 64 | 3C | 03 |
| 02 | AD | 9C | 3E | 05 | 21 | 01 | 01 | 01 | 01 | | |

TERMINAL RESPONSE: OPEN CHANNEL 3.2.1

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME

Destination device: UICC

Result

General Result: Command performed successfully

Bearer description

Bearer type: GPRS / UTRAN packet service / E-UTRAN

Bearer parameter:

Precedence Class: 03

Delay Class: 04

Reliability Class: 02

Peak throughput class: 09

Mean throughput class: 31

Packet data protocol:02 (IP)

Buffer

Buffer size: 1400

Coding:

| BER-TLV: | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 38 | 02 | 81 | 00 | 35 | 07 | 02 | 03 | 04 | 02 | 09 | 1F |
| | 02 | 39 | 02 | 05 | 78 | | | | | | | |

PROACTIVE COMMAND: SEND DATA 3.2.1

Logically:

Command details

Command number: 1

Command type: SEND DATA

Command qualifier: Store mode

Device identities

Source device: UICC

Destination device: Channel 1

Channel Data

Channel Data: 00 01 .. C7 (200 Bytes of data)

Coding:

| BER-TLV: | D0 | 81 | D4 | 81 | 03 | 01 | 43 | 00 | 82 | 02 | 81 | 21 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | B6 | 81 | C8 | 00 | 01 | | C7 | | | | | |

TERMINAL RESPONSE: SEND DATA 3.2.1

Logically:

Command details

Command number: 1

Command type: SEND DATA

Command qualifier: Store mode

Device identities

Source device: ME

Destination device: UICC

Result

General Result: Command performed successfully

Channel data length: More than 255 bytes of space available in the Tx buffer

Coding:

| BER-TLV: | 81 | 03 | 01 | 43 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | В7 | 01 | FF | | | | | | | | | |

PROACTIVE COMMAND: SEND DATA 3.2.2

Logically:

Command details

Command number: 1

Command type: SEND DATA

Command qualifier: Store mode

Device identities

Source device: UICC

Destination device: Channel 1

Channel Data

Channel Data: C8 C9 .. FF 00 01 .. 8F (200 Bytes of data)

Coding:

| BER-TLV: | D0 | 81 | D4 | 81 | 03 | 01 | 43 | 00 | 82 | 02 | 81 | 21 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | В6 | 81 | C8 | C8 | C9 | •• | FF | 00 | 01 | | 8F | |

TERMINAL RESPONSE: SEND DATA 3.2.2

Logically:

Command details

Command number: 1

Command type: SEND DATA

Command qualifier: Store mode

Device identities

Source device: ME

Destination device: UICC

Result

General Result: Command performed successfully

Channel data length: More than 255 bytes of space available in the Tx buffer

Coding:

| BER-TLV: | 81 | 03 | 01 | 43 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | В7 | 01 | FF | | | | | | | | | |

PROACTIVE COMMAND: SEND DATA 3.2.3

Logically:

Command details

Command number: 1

Command type: SEND DATA

Command qualifier: Immediate mode

Device identities

Source device: UICC

Destination device: Channel 1

Channel Data

Channel Data: 90 91 .. F3 (100 Bytes of data)

Coding:

| BER-TLV: | D0 | 6F | 81 | 03 | 01 | 43 | 01 | 82 | 02 | 81 | 21 | B6 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 64 | 90 | 91 | | F3 | | | | | | | |

TERMINAL RESPONSE: SEND DATA 3.2.3

Logically:

Command details

Command number: 1

Command type: SEND DATA

Command qualifier: Immediate mode

Device identities

Source device: ME

Destination device: UICC

Result

General Result: Command performed successfully

Channel data length: More than 255 bytes of space available in the Tx buffer

Coding:

| В | ER-TLV: | 81 | 03 | 01 | 43 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|---|---------|----|----|----|----|----|----|----|----|----|----|----|----|
| | | В7 | 01 | FF | | | | | | | | | |

PROACTIVE COMMAND: CLOSE CHANNEL 3.2.1

Same as PROACTIVE COMMAND: CLOSE CHANNEL 3.1.1 from sequence 1.1.

TERMINAL RESPONSE: CLOSE CHANNEL 3.2.1

Same as Terminal Response: CLOSE CHANNEL 3.1.1 from sequence 1.1.

27.22.4.30.3.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 3.1 to 3.2.

27.22.4.31 GET CHANNEL STATUS

27.22.4.31.1 Definition and applicability

See clause 3.2.2.

27.22.4.31.2 Conformance requirements

The ME shall support the class "e" commands and additionally E-UTRAN for sequences 1.4 to 1.5 as defined in:

- TS 31.111 [15].

27.22.4.31.3 Test purpose

To verify that the ME shall send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC after the ME receives the GET STATUS proactive command. The TERMINAL RESPONSE sent back to the UICC is function of the ME and the network capabilities against asked parameters by the UICC.

27.22.4.31.4 Method of test

27.22.4.31.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS. The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The channel identifier value used for these tests is set to 1 as an example.

This channel identifier is dependent on the ME"s default channel identifier as declared in table A.2/27.

For sequences 1.1 to 1.3:

The following Bearer Parameters used are those defined in the default Test PDP context3, for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

For sequences 1.4 to 1.5

The ME is connected to the USIM Simulator and the E-USS. Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The default E-UTRAN/EPC UICC, the default E-UTRAN parameters and the following parameters are used:

Network access name: TestGp.rs
User login: UserLog
User password: UserPwd

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.6.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.6.4.1.

27.22.4.31.4.2 Procedure

Expected sequence 1.1 (GET STATUS, without any BIP channel opened)

For that test, no channel has been opened.

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|---|----------------------------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: GET CHANNEL | |
| | | STATUS 1.1.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: GET STATUS 1.1.1 | |
| 4 | ME → UICC | TERMINAL RESPONSE GET STATUS 1.1.1 A Or TERMINAL RESPONSE: GET STATUS 1.1.1B Or TERMINAL RESPONSE: GET STATUS 1.1.1C | [Command performed successfully] |

PROACTIVE COMMAND: GET STATUS 1.1.1

Logically:

Command details

Command number:

Command type: GET STATUS

Command qualifier: RFU

Device identities

Source device: UICC Destination device: ME

Coding:

| BER-TLV: | D0 | 09 | 81 | 03 | 01 | 44 | 00 | 82 | 02 | 81 | 82 |
|----------|----|----|----|----|----|----|----|----|----|----|----|

TERMINAL RESPONSE: GET STATUS 1.1.1A

Logically:

Command details

Command number:

Command type: GET STATUS

Command qualifier: RFU

Device identities

Source device: ME Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 44 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | | | | | | | | | | | | |

TERMINAL RESPONSE: GET STATUS 1.1.1B

Logically:

Command details

Command number: 1

Command type: GET STATUS

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status

Channel status: No Channel available, link not established or PDP context not activated

Coding:

| BER-TLV: | 81 | 03 | 01 | 44 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | B8 | 02 | 00 | 00 | | | | | | | | |

TERMINAL RESPONSE: GET STATUS 1.1.1C

Logically:

Command details

Command number: 1

Command type: GET STATUS

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status

Channel 1 status: Channel identifier 1, Link not established or PDP context not activated

Channel 2 status: Channel identifier 2, Link not established or PDP context not activated

.

.

Channel n status: Channel identifier n, Link not established or PDP context not activated

The number of channel status data objects shall be same as the number of channels(n) supported by the ME

Coding:

| BER-TLV: | 81 | 03 | 01 | 44 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|-------|----|----|----|----|----|----|----|----|----|----|----|
| | Note1 | | | | | | | | | | | |

Note1: The Terminal Response shall contain as many channel status TLVs as channels are supported by the ME. Each channel status TLV coding shall indicate the corresponding channel identifier and shall state "Link not established or PDP context not activated". As an example, if the mobile supports two channels then the corresponding channel status data objects coding would be: 'B8 02 01 00 B8 02 02 00'.

Expected sequence 1.2 (GET STATUS, with a BIP channel currently opened)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--------------------------------|----------------------------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | See initial conditions |
| | | PENDING: OPEN CHANNEL | |
| | | 1.1.1 | |
| 2 | / 0.00 | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: OPEN | |
| | | CHANNEL 1.1.1 | |
| 4 | $ME \to USS$ | PDP context activation request | |
| 5 | $USS \to ME$ | PDP context activation accept | |
| 6 | $ME \to UICC$ | TERMINAL RESPONSE: OPEN | [Command performed successfully] |
| | | CHANNEL 1.1.1A or TERMINAL | |
| | | RESPONSE: OPEN CHANNEL | |
| | | 1.1.1B | |
| 7 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: GET CHANNEL | |
| | | STATUS 1.2.1 | |
| 8 | $ME \rightarrow UICC$ | FETCH | |
| 9 | $UICC \to ME$ | PROACTIVE COMMAND: GET | |
| | | STATUS 1.2.1 | |
| 10 | $ME \rightarrow UICC$ | TERMINAL RESPONSE GET | [Command performed successfully] |
| | | STATUS 1.2.1 A | |
| | | Or | |
| | | TERMINAL RESPONSE: GET | |
| | | STATUS 1.2.1B | |

PROACTIVE COMMAND: OPEN CHANNEL 1.1.1

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC Destination device: ME

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1000 Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level

Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

BER-TLV

| D0 | 42 | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 81 | 82 | 35 |
|----|----|----|----|----|----|----|----|----|----|----|----|
| 07 | 02 | 03 | 04 | 03 | 04 | 1F | 02 | 39 | 02 | 03 | E8 |
| 47 | 0A | 06 | 54 | 65 | 73 | 74 | 47 | 70 | 02 | 72 | 73 |
| 0D | 80 | F4 | 55 | 73 | 65 | 72 | 4C | 6F | 67 | 0D | 80 |
| F4 | 55 | 73 | 65 | 72 | 50 | 77 | 64 | 3C | 03 | 01 | AD |
| 9C | 3E | 05 | 21 | 01 | 01 | 01 | 01 | | | | |

TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1000

Coding:

| BER-TLV: | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 38 | 02 | 81 | 00 | 35 | 07 | 02 | 03 | 04 | 03 | 04 | 1F |
| | 02 | 39 | 02 | 03 | E8 | | | | | | | |

TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 00
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31

Packet data protocol: 02 (IP)

Buffer

Buffer size: 1000

Coding:

| BER-TLV: | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 38 | 02 | 81 | 00 | 35 | 07 | 02 | 00 | 04 | 03 | 04 | 1F |
| | 02 | 39 | 02 | 03 | E8 | | | | | | | |

PROACTIVE COMMAND: GET STATUS 1.2.1

Logically:

Command details

Command number:

Command type: GET STATUS

Command qualifier: RFU

Device identities

Source device: UICC Destination device: ME

Coding:

| BER-TLV: | D0 | 09 | 81 | 03 | 01 | 44 | 00 | 82 | 02 | 81 | 82 |
|----------|----|----|----|----|----|----|----|----|----|----|----|

TERMINAL RESPONSE: GET STATUS 1.2.1A

Logically:

Command details

Command number: 1

Command type: GET STATUS

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status

Channel status: Channel 1 open, link established or PDP context activated

Coding:

| BER-TLV: | 81 | 03 | 01 | 44 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | B8 | 02 | 81 | 00 | | | | | | | | |

TERMINAL RESPONSE: GET STATUS 1.2.1B

Logically:

Command details

Command number: 1

Command type: GET STATUS

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status

Channel 1 status: Channel identifier 1 open, Link established or PDP context activated

Channel 2 status: Channel identifier 2, Link not established or PDP context not activated

.

.

Channel n status: Channel identifier n, Link not established or PDP context not activated

The number of channel status data objects shall be same as the number of channels(n) supported by the ME Coding:

| BER-TLV: | 81 | 03 | 01 | 44 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|-------|----|----|----|----|----|----|----|----|----|----|----|
| | Note1 | | | | | | | | | | | |

Note1: The Terminal Response shall contain as many channel status TLVs as channels are supported by the ME. The channel status TLV coding of the opened channel shall state "Link established or PDP context activated". Each other channel status TLV coding shall indicate the corresponding channel identifier and shall state "Link is not established or PDP context not activated". As an example, if the mobile supports two channels and channel 1 is opened then the corresponding channel status data objects coding would be: 'B8 02 81 00 B8 02 02 00'.

Expected sequence 1.3 (GET STATUS, after a link dropped)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--|----------------------------------|
| 1 | | PROACTIVE COMMAND PENDING: SET UP EVENT LIST 1.1.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1 | |
| 4 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1 | [Command performed successfully] |
| 5 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: OPEN CHANNEL 1.1.1 | See initial conditions |
| 6 | $ME \rightarrow UICC$ | | |
| 7 | $UICC \to ME$ | PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 | |
| 8 | | PDP context activation request | |
| 9 | | PDP context activation accept | |
| 10 | | TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B | [Command performed successfully] |
| 11 | $USS \to ME$ | | |
| 12 | | ENVELOPE EVENT DOWNLOAD: CHANNEL STATUS 1.3.1 | [Link dropped] |
| 13 | | PROACTIVE COMMAND PENDING: GET STATUS 1.3.1 | |
| 14 | $ME \rightarrow UICC$ | FETCH | |
| 15 | $UICC \to ME$ | PROACTIVE COMMAND: GET STATUS 1.3.1 | |
| 16 | ME → UICC | TERMINAL RESPONSE: GET STATUS 1.3.1A Or TERMINAL RESPONSE: GET STATUS 1.3.1B Or TERMINAL RESPONSE: GET STATUS 1.3.1C Or TERMINAL RESPONSE: GET STATUS 1.3.1D Or TERMINAL RESPONSE: GET STATUS 1.3.1E | [Command performed successfully] |

TERMINAL RESPONSE: GET STATUS 1.3.1A

Same as TERMINAL RESPONSE: GET STATUS 1.1.1A

TERMINAL RESPONSE: GET STATUS 1.3.1B

Same as TERMINAL RESPONSE: GET STATUS 1.1.1B

TERMINAL RESPONSE: GET STATUS 1.3.1C

Same as TERMINAL RESPONSE: GET STATUS 1.1.1C

TERMINAL RESPONSE: GET STATUS 1.3.1D

Logically:

Command details

Command number:

Command type: GET STATUS

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status

Channel status: Channel 1, link dropped

Coding:

| BER-TLV: | 81 | 03 | 01 | 44 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| _ | B8 | 02 | 01 | 05 | | | | | | | | |

TERMINAL RESPONSE: GET STATUS 1.3.1E

Logically:

Command details

Command number: 1

Command type: GET STATUS

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status

Channel 1 status: Channel identifier 1, link dropped

Channel 2 status: Channel identifier 2, Link not established or PDP context not activated

•

Channel n status: Channel identifier n, Link not established or PDP context not activated

The number of channel status data objects shall be same as the number of channels(n) supported by the ME

| BER-TLV: | 81 | 03 | 01 | 44 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|-------|----|----|----|----|----|----|----|
| | B8 | 02 | 01 | 05 | Note1 | | | | | | | |

Note1: The Terminal Response shall contain as many channel status TLVs as channels are supported by the ME. Each channel status TLV coding except that one for which the link was dropped by the SS shall indicate the corresponding channel identifier and shall state "Link not established or PDP context not activated". As an example, if the mobile supports two channels then the corresponding channel status data objects coding would be: 'B8 02 01 05 B8 02 02 00'.

PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1

Logically:

Command details

Command number:

Command type: SET UP EVENT LIST

Command qualifier: '00'

Device identities

Source device: UICC Destination device: ME

Event list

Event 1: Channel Status

Coding:

| BER-TLV: | D0 | 0C | 81 | 03 | 01 | 05 | 00 | 82 | 02 | 81 | 82 |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| | 99 | 01 | 0A | | | | | | | | |

TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1

Logically:

Command details

Command number: 1

Command type: SET UP EVENT LIST

Command qualifier: '00'

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| E | BER-TLV: | 81 | 03 | 01 | 05 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 | l |
|---|----------|----|----|----|----|----|----|----|----|----|----|----|----|---|
|---|----------|----|----|----|----|----|----|----|----|----|----|----|----|---|

ENVELOPE EVENT DOWNLOAD: CHANNEL STATUS 1.3.1

Logically:

Event list

Event list: Channel Status

Device identities

Source device: ME
Destination device: UICC

Channel status

Channel status: Channel 1, link dropped

| BER-TLV: | D6 | 0B | 99 | 01 | 0A | 82 | 02 | 82 | 81 | B8 | 02 | 01 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 05 | | | | | | | | | | | |

PROACTIVE COMMAND: GET STATUS 1.3.1

Logically:

Command details

Command number: 1

Command type: GET STATUS

Command qualifier: RFU

Device identities

Source device: UICC Destination device: ME

Coding:

| BER-TLV: | D0 | 09 | 81 | 03 | 01 | 44 | 00 | 82 | 02 | 81 | 82 |
|----------|----|----|----|----|----|----|----|----|----|----|----|

Expected sequence 1.4 (GET STATUS, EPS bearer with APN different from default APN)

| Step | Direction | MESSAGE / Action | Comments |
|------|-------------------------------|--------------------------|-------------------------------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | See initial conditions |
| | | PENDING: OPEN CHANNEL | |
| | | 6.3.1 | |
| 2 | $ME \rightarrow UICC$ | | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: OPEN | |
| | | CHANNEL 6.3.1 | |
| 4 | $ME \rightarrow E\text{-}USS$ | PDN CONNECTIVITY REQUEST | [The PDN CONNECTIVITY REQUEST shall |
| | | | contain the APN "Test12.rs"] |
| 5 | $E\text{-USS} \to ME$ | ACTIVATE EPS BEARER | [The E-UTRAN parameters are used] |
| | | CONTEXT REQUEST | |
| 6 | $ME \to E\text{-}USS$ | ACTIVATE DEFAULT EPS | |
| | | BEARER CONTEXT ACCEPT | |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: OPEN | [Command performed successfully] |
| | | CHANNEL 6.1.1 | |
| 8 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: GET CHANNEL | |
| | | STATUS 1.1.1 | |
| 9 | $ME \rightarrow UICC$ | FETCH | |
| 10 | $UICC \to ME$ | PROACTIVE COMMAND: GET | |
| | | STATUS 1.1.1 | |
| 11 | $ME \rightarrow UICC$ | TERMINAL RESPONSE GET | [Command performed successfully] |
| | | STATUS 1.4.1 A | |
| | | Or | |
| | | TERMINAL RESPONSE: GET | |
| | | STATUS 1.4.1B | |

PROACTIVE COMMAND: OPEN CHANNEL 6.3.1

Same as PROACTIVE COMMAND: OPEN CHANNEL 6.3.1 in clause 27.22.4.27.6.4.

TERMINAL RESPONSE: OPEN CHANNEL 6.1.1

Same as TERMINAL RESPONSE: OPEN CHANNEL 6.1.1 in clause 27.22.4.27.6.4.

PROACTIVE COMMAND: GET STATUS 1.1.1

Same as PROACTIVE COMMAND:GET STATUS from sequence 1.1

TERMINAL RESPONSE: GET STATUS 1.4.1A

Logically:

Command details

Command number:

Command type: GET STATUS

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status

Channel status: Channel 1 open, link established or PDP context activated

Coding:

| BER-TLV: | 81 | 03 | 01 | 44 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | B8 | 02 | 81 | 00 | | | | | | | | |

TERMINAL RESPONSE: GET STATUS 1.4.1B

Logically:

Command details

Command number: 1

Command type: GET STATUS

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status

Channel 1 status: Channel identifier 1 open, Link established or PDP context activated

Channel 2 status: Channel identifier 2, Link not established or PDP context not activated

:

Channel n status: Channel identifier n, Link not established or PDP context not activated

The number of channel status data objects shall be same as the number of channels(n) supported by the ME Coding:

| | | 01 | 00 |
|--|--------------------------------|--|------------------------------------|
| Note | | | |
| Note: The Terminal Response shall contain as many channel status channels are supported by the ME. The channel status TLV opened channel shall state "Link established or PDP context Not more than one opened channel shall be indicated. Each status TLV coding shall indicate the corresponding channel is shall state "Link is not established or PDP context not activate example, if the mobile supports two channels and channel 1 then the corresponding channel status data objects coding with the coding with the status of the coding with the cod | cod oth dea ted is | oding on the children of the c | f the d". annel and an |

Expected sequence 1.5 (GET STATUS, EPS bearer with APN different from default APN, after a link dropped)

| Step | Direction | MESSAGE / Action | Comments |
|------|-------------------------------|---|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SET UP | |
| | | EVENT LIST 1.1.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP EVENT LIST | |
| | | 1.1.1 | |
| 4 | ME → UICC | TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1 | [Command performed successfully] |
| 5 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: OPEN CHANNEL 6.3.1 | See initial conditions |
| 6 | $ME \rightarrow UICC$ | FETCH | |
| 7 | | PROACTIVE COMMAND: OPEN CHANNEL 6.3.1 | |
| 8 | $ME \to E\text{-}USS$ | PDN CONNECTIVITY REQUEST | [The PDN CONNECTIVITY REQUEST shall contain the APN "Test12.rs"] |
| 9 | | ACTIVATE EPS BEARER CONTEXT REQUEST | [The E-UTRAN parameters are used] |
| 10 | $ME \to E\text{-}USS$ | ACTIVATE DEFAULT EPS BEARER CONTEXT ACCEPT | |
| 11 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: OPEN CHANNEL 6.1.1 | [Command performed successfully] |
| 12 | $E\text{-}USS\toME$ | DEACTIVATE EPS BEARER CONTEXT REQUEST | [Cause: #38 network failure] |
| 12a | $ME \rightarrow E\text{-}USS$ | DEACTIVATE EPS BEARER CONTEXT ACCEPT | |
| 13 | $ME \rightarrow UICC$ | ENVELOPE EVENT DOWNLOAD: CHANNEL STATUS 1.3.1 | [Link dropped] |
| 14 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: GET STATUS 1.3.1 | |
| 15 | $ME \rightarrow UICC$ | FETCH | |
| 16 | $UICC \to ME$ | PROACTIVE COMMAND: GET STATUS 1.3.1 | |
| 17 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: GET STATUS 1.3.1A | [Command performed successfully] |
| | | Or | |
| | | TERMINAL RESPONSE: GET STATUS 1.3.1B | |
| | | Or | |
| | | TERMINAL RESPONSE: GET STATUS 1.3.1C Or | |
| | | TERMINAL RESPONSE: GET STATUS 1.3.1D Or | |
| | | TERMINAL RESPONSE: GET STATUS 1.3.1E | |

PROACTIVE COMMAND: OPEN CHANNEL 6.3.1

Same as PROACTIVE COMMAND: OPEN CHANNEL 6.3.1 in clause 27.22.4.27.6.4.

TERMINAL RESPONSE: OPEN CHANNEL 6.1.1

Same as TERMINAL RESPONSE: OPEN CHANNEL 6.1.1 in clause 27.22.4.27.6.4.

PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1

Logically:

Command details

Command number:

Command type: SET UP EVENT LIST

Command qualifier: '00'

Device identities

Source device: UICC Destination device: ME

Event list

Event 1: Channel Status

Coding:

| BER-TLV: | D0 | 0C | 81 | 03 | 01 | 05 | 00 | 82 | 02 | 81 | 82 |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| | 99 | 01 | 0A | | | | | | | | |

TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1

Logically:

Command details

Command number:

Command type: SET UP EVENT LIST

Command qualifier: '00'

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 05 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

ENVELOPE EVENT DOWNLOAD: CHANNEL STATUS 1.3.1

Logically:

Event list

Event list: Channel Status

Device identities

Source device: ME
Destination device: UICC

Channel status

Channel status: Channel 1, link dropped

Coding:

| BER-TLV: | D6 | 0B | 99 | 01 | 0A | 82 | 02 | 82 | 81 | B8 | 02 | 01 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 05 | | | | | | | | | | | |

PROACTIVE COMMAND: GET STATUS 1.3.1

Logically:

Command details

Command number: 1

Command type: GET STATUS

Command qualifier: RFU

Device identities

Source device: UICC Destination device: ME

Coding:

| BER-TLV: D0 09 81 03 | 01 4 | 44 00 | 82 | 02 | 81 | 82 |
|------------------------------|------|-------|----|----|----|----|
|------------------------------|------|-------|----|----|----|----|

TERMINAL RESPONSE: GET STATUS 1.3.1A

Same as TERMINAL RESPONSE: GET STATUS 1.1.1A

TERMINAL RESPONSE: GET STATUS 1.3.1B

Same as TERMINAL RESPONSE: GET STATUS 1.1.1B

TERMINAL RESPONSE: GET STATUS 1.3.1C

Same as TERMINAL RESPONSE: GET STATUS 1.1.1C

TERMINAL RESPONSE: GET STATUS 1.3.1D

Logically:

Command details

Command number: 1

Command type: GET STATUS

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status

Channel status: Channel 1, link dropped

Coding:

| BER-TLV: | 81 | 03 | 01 | 44 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | B8 | 02 | 01 | 05 | | | | | | | | |

TERMINAL RESPONSE: GET STATUS 1.3.1E

Logically:

Command details

Command number: 1

Command type: GET STATUS

Command qualifier: RFU

Device identities

Source device: ME

Destination device: UICC

Result

General Result: Command performed successfully

Channel status

Channel 1 status: Channel identifier 1, link dropped

Channel 2 status: Channel identifier 2, Link not established or PDP context not activated

:

Channel n status: Channel identifier n, Link not established or PDP context not activated

The number of channel status data objects shall be same as the number of channels(n) supported by the ME

| BER-TLV: | 81 | 03 | 01 | 44 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 | |
|----------|--|----|----|----|------|----|----|----|----|----|----|----|--|
| | B8 | 02 | 01 | 05 | Note | | | | | | | | |
| | Note: | | | | | | | | | | | | |
| | channels are supported by the ME. Each channel status TLV coding | | | | | | | | | | | | |
| | except that one for which the link was dropped by the SS shall indicate | | | | | | | | | | | | |
| | the corresponding channel identifier and shall state "Link not established | | | | | | | | | | | | |
| | or PDP context not activated". As an example, if the mobile supports two | | | | | | | | | | | | |
| | channels then the corresponding channel status data objects coding | | | | | | | | | | | | |
| | would be : 'B8 02 01 05 B8 02 02 00'. | | | | | | | | | | | | |

27.22.4.31.5 Test requirement

The ME shall operate in the manner defined in expected sequences 1.1 to 1.5.

27.22.5 Data Download to UICC

27.22.5.1 SMS-PP Data Download

27.22.5.1.1 Definition and applicability

See clause 3.2.2.

27.22.5.1.2 Conformance requirement

The ME shall support the Proactive UICC: SMS-PP Data Download facility as defined in the following technical specifications:

- TS 31.111 [15] clause 5, clause 7.1, clause 8.1, clause 8.7, clause 8.13 and clause 11.
- TS 31.115 [28] clause 4.
- TS 23.038 [7] clause 4..

27.22.5.1.3 Test purpose

To verify that the ME transparently passes the "data download via SMS Point-to-point" messages to the UICC.

To verify that the ME returns the RP-ACK message back to the USS, if the UICC responds with '90 00' or '91 XX'.

To verify that the ME returns the RP-ERROR message back to the system Simulator, if the UICC responds with '62 XX' or '63 XX'.

To verify that the ME returns the response data from the UICC back to the USS in the TP-User-Data element of the RP-ACK message, if the UICC returns response data'.

27.22.5.1.4 Method of Test

27.22.5.1.4.1 Initial conditions

The ME is connected to the USIM Simulator and connected to the USS.

The "data download via SMS-PP" service is available in the USIM Service Table.

27.22.5.1.4.2 Procedure

Expected Sequence 1.1 (Void)

Expected Sequence 1.2 (Void)

Expected Sequence 1.3 (Void)

Expected Sequence 1.4 (void)

Expected Sequence 1.5 (void)

Expected Sequence 1.6 (Void)

Expected Sequence 1.7 (Void)

Expected Sequence 1.8 (Void)

Expected Sequence 1.9 (SMS-PP Data Download over CS, UTRAN/GERAN)

Perform the "CS related procedure 1" and continue with "Generic Test Procedure 1 (SMS-PP Data Download)" as defined in this clause 27.22.5.3.4.2 as "Expected Sequence 1.9" with the following parameters:

- Used Network Simulator (NWS): USS (UMTS System Simulator or System Simulator)
- CS is used to send and receive short messages
- ME supports UTRAN or GERAN

CS related procedure:

| Step | Direction | MESSAGE / Action | Comments |
|------|----------------------|-----------------------------------|--|
| 1 | $USER \to ME$ | The ME is switched on | ME will perform Profle Download and USIM |
| | | | initialisation |
| 2 | $ME \rightarrow NWS$ | ME performs regular network | |
| | | registration. | |
| 3 | | CONTINUE WITH STEP 4 Generic | |
| | | Test Procedure 1 (SMS-PP Data | |
| | | Download) in clause 27.22.5.3.4.2 | |

27.22.5.1.5 Test requirement

The ME shall operate in the manner defined in expected sequence 1.9.

27.22.5.2 Cell Broadcast Data Download

27.22.5.2.1 Definition and applicability

See clause 3.2.2.

27.22.5.2.2 Conformance requirement

The ME shall support the Proactive UICC: Cell Broadcast Data Download facility as defined in:

- TS 31.111 [15] clause 5, clause 7.1.2, clause 8.5, clause 8.7 and clause 11.
- TS 31.115 [28] clause 5.
- TS 23.038 [7] clause 5.

27.22.5.2.3 Test purpose

To verify that the ME transparently passes the "data download via Cell Broadcast" messages to the UICC, which contain a message identifier found in EF_{CBMID}.

27.22.5.2.4 Method of Test

27.22.5.2.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table. The elementary files are coded as Toolkit default with the following exeception:

EF PL shall contain an entry indicating "English".

A USS setting up only a GERAN or PCS 1900 cell shall be used for Expected sequence 1.1, 1.7 and 1.3.

A USS setting up only a UTRAN cell shall be used on and expected sequence 1.4, 1.5 and 1.6.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

27.22.5.2.4.2 Procedure

Expected Sequence 1.1 (Cell Broadcast Data Download (GSM), ENVELOPE(CELL BROADCAST DOWNLOAD), ME does not display message)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|-------------------------|----------------------------|
| 1 | $USS \to ME$ | CELL BROADCAST 1.1 | Message identifier '10 01' |
| 2 | $ME \rightarrow UICC$ | ENVELOPE (CELL | |
| | | BROADCAST DOWNLOAD) 1.1 | |
| 3 | $UICC \to ME$ | SW1, SW2 '90 00' | |

Cell Broadcast Message 1.1

Logically:

Message Content

Serial Number

Geographical scope: Cell wide, normal display mode

Message code: 1
Update number: 1
Message Identifier: "1001"

Data coding Scheme

Message Coding: English, language using the GSM 7 bit default alphabet

Page Parameter

Total number of pages: 1 Page number: 1

Content of message: "Cell Broadcast "...

Coding:

| Coding | C0 | 11 | 10 | 01 | 01 | 11 | C3 | 32 | 9B | 0D | 12 | CA |
|--------|----|----|----|----|----|----|----|----|----|----|----|----|
| | DF | 61 | F2 | 38 | 3C | A7 | 83 | 40 | 20 | 10 | 08 | 04 |
| | 02 | 81 | 40 | 20 | 10 | 08 | 04 | 02 | 81 | 40 | 20 | 10 |
| | 08 | 04 | 02 | 81 | 40 | 20 | 10 | 08 | 04 | 02 | 81 | 40 |
| | 20 | 10 | 80 | 04 | 02 | 81 | 40 | 20 | 10 | 08 | 04 | 02 |
| | 81 | 40 | 20 | 10 | 80 | 04 | 02 | 81 | 40 | 20 | 10 | 08 |
| | 04 | 02 | 81 | 40 | 20 | 10 | 08 | 04 | 02 | 81 | 40 | 20 |
| | 10 | 08 | 04 | 02 | | | | | | | | |

ENVELOPE: CELL BROADCAST DOWNLOAD 1.1

Logically:

Cell Broadcast Download

Device identities

Source device: Network
Destination device: UICC

Cell Broadcast page

Serial Number

Geographical scope: Cell wide, normal display mode

Message code: 1
Update number: 1
Message Identifier: "1001"

Data coding Scheme

Message Coding: English, language using the GSM 7 bit default alphabet

Page Parameter

Number of pages: 1 Page number: 1

Content of message: "Cell Broadcast "...

Coding:

| BER-TLV: | D2 | 5E | 82 | 02 | 83 | 81 | 8C | 58 | C0 | 11 | 10 | 01 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 01 | 11 | C3 | 32 | 9B | 0D | 12 | CA | DF | 61 | F2 | 38 |
| | 3C | A7 | 83 | 40 | 20 | 10 | 80 | 04 | 02 | 81 | 40 | 20 |
| | 10 | 80 | 04 | 02 | 81 | 40 | 20 | 10 | 80 | 04 | 02 | 81 |
| | 40 | 20 | 10 | 80 | 04 | 02 | 81 | 40 | 20 | 10 | 80 | 04 |
| | 02 | 81 | 40 | 20 | 10 | 80 | 04 | 02 | 81 | 40 | 20 | 10 |
| | 08 | 04 | 02 | 81 | 40 | 20 | 10 | 80 | 04 | 02 | 81 | 40 |
| | 20 | 10 | 80 | 04 | 02 | 81 | 40 | 20 | 10 | 80 | 04 | 02 |

Expected Sequence 1.2 (void)

Expected Sequence 1.3 (Cell Broadcast (GSM), ME may display the message)

| Step | Direction | MESSAGE / Action | Comments |
|------|--------------|------------------------------------|--|
| 1 | $USS \to ME$ | CELL BROADCAST 1.2 | Message identifier '03 E7' |
| 2a | ME → USER | ME may display the message | |
| 2b | ME → UICC | ME shall not download the CB | |
| | | message to the UICC using | |
| | | ENVELOPE (CELL BROADCAST | |
| | | DOWNLOAD) | |
| 3 | USER → ME | The user shall use a MMI dependent | [only if message has not been displayed in |
| | | | step 2a] |
| | | the received CB message | |
| 4 | ME → USER | ME displays the message | [only if message has not been displayed in |
| | | | step 2a] |

Cell Broadcast Message 1.2

Logically:

Message Content

Serial Number

Geographical scope: Cell wide, normal display mode

Message code: 1
Update number: 1
Message Identifier: "03E7"

Data coding Scheme

Message Coding: English, language using the GSM 7 bit default alphabet

Page Parameter

Total number of pages: 1
Page number: 1

Content of message: "Cell Broadcast".

Coding:

| Coding | C0 | 11 | 03 | E7 | 01 | 11 | C3 | 32 | 9B | 0D | 12 | CA |
|--------|----|----|----|----|----|----|----|----|----|----|----|----|
| | DF | 61 | F2 | 38 | 3C | A7 | 83 | 40 | 20 | 10 | 08 | 04 |
| | 02 | 81 | 40 | 20 | 10 | 80 | 04 | 02 | 81 | 40 | 20 | 10 |
| | 08 | 04 | 02 | 81 | 40 | 20 | 10 | 08 | 04 | 02 | 81 | 40 |
| | 20 | 10 | 80 | 04 | 02 | 81 | 40 | 20 | 10 | 08 | 04 | 02 |
| | 81 | 40 | 20 | 10 | 80 | 04 | 02 | 81 | 40 | 20 | 10 | 08 |
| | 04 | 02 | 81 | 40 | 20 | 10 | 08 | 04 | 02 | 81 | 40 | 20 |
| | 10 | 80 | 04 | 02 | | | | | | | | |

Expected Sequence 1.4 (Cell Broadcast (UMTS), ENVELOPE (CELL BROADCAST DOWNLOAD), ME does not display message)

TBD

Expected Sequence 1.5 (Cell Broadcast (UMTS), ENVELOPE (CELL BROADCAST DOWNLOAD), FETCH, MORE TIME, ME does not display message)

TBD

Expected Sequence 1.6 (Cell Broadcast (UMTS), ME displays message)

TBD

Expected Sequence 1.7 (Cell Broadcast (GSM),, ENVELOPE(CELL BROADCAST DATA DOWNLOAD), FETCH, MORE TIME, ME does not display message, User Data Header Payload)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|-------------------------|----------------------------|
| 1 | $USS \to ME$ | CELL BROADCAST Message | Message identifier '10 01' |
| | | 1.7 | |
| 2 | $ME \rightarrow UICC$ | ENVELOPE (CELL | |
| | | BROADCAST DOWNLOAD) 1.7 | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND | SW1/SW2 '61 0B' |
| | | PENDING: MORE TIME 1.2 | |
| 4 | $ME \rightarrow UICC$ | FETCH 1.2 | |
| 5 | $UICC \to ME$ | PROACTIVE COMMAND:MORE | |
| | | TIME 1.2 | |
| 6 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: MORE | |
| | | TIME 1.2 | |
| 7 | $UICC \to ME$ | SW1/SW2 '90 00' | UICC session ended |

CELL BROADCAST Message 1.7

Logically:

Message Content

Serial Number

Geographical scope: Cell wide, normal display mode

Message code: 1
Update number: 1
Message Identifier: "1001"

Data coding Scheme

Message Coding: 8 bit data

Message class: Class 2 (U)SIM specific message

Page Parameter

Total number of pages: 1 Page number: 1

Secured User Header (Content of message)

TP-UDHL 2

IEI (U)SIM Toolkit Security Headers

IEIL0Command Packet Length:77Command Header Identifier:0Command Header Length:13

Security Parameter Indicator: No RC, CC or DS and No PoR reply to the Sending Entity

Ciphering Key Identifier: Algorithm known implicitly by both entities Key Identifier: Algorithm known implicitly by both entities

Toolkit Application Reference: Proprietary Toolkit Application

Counter: 1

Padding Counter: 0 (no padding is necessary)
Secure Data: 62 octets set to "DC" (dummy data)

Coding:

| Coding | C0 | 11 | 10 | 01 | 96 | 11 | 02 | 70 | 00 | 00 | 4D | 00 |
|--------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0D | 00 | 00 | 00 | 00 | BF | FF | 00 | 00 | 00 | 00 | 00 |
| | 01 | 00 | DC | DC | DC | DC | DC | DC | DC | DC | DC | DC |
| | DC | DC | DC | DC | DC | DC | DC | DC | DC | DC | DC | DC |
| | DC | DC | DC | DC | DC | DC | DC | DC | DC | DC | DC | DC |
| | DC | DC | DC | DC | DC | DC | DC | DC | DC | DC | DC | DC |
| | DC | DC | DC | DC | DC | DC | DC | DC | DC | DC | DC | DC |
| | DC | DC | DC | DC | | | | | | | | |

ENVELOPE: CELL BROADCAST DOWNLOAD 1.7

Logically:

Cell Broadcast Download

Device identities

Source device: Network
Destination device: UICC

Cell Broadcast page

Serial Number

Geographical scope: Cell wide, normal display mode

Message code: 1
Update number: 1
Message Identifier: "1001"

Data coding Scheme

Message Coding: 8 bit data (Message with User Data Header (UDH) structure)

Message class: Class 2 (U)SIM specific message

Page Parameter Number of pages:

Page number: 1

Secured User Header (Content of message)
TP-UDHL 2

IEI (U)SIM Toolkit Security Headers

IEIL 0
Command Packet Length: 77
Command Header Identifier: 0
Command Header Length: 13

Security Parameter Indicator: No RC, CC or DS and No PoR reply to the Sending Entity

Ciphering Key Identifier: Algorithm known implicitly by both entities Key Identifier: Algorithm known implicitly by both entities

Toolkit Application Reference: Proprietary Toolkit Application

Counter: 1

Padding Counter: 0 (no padding is necessary)
Secure Data: 62 octets set to "DC" (dummy data)

| BER-TLV: | D2 | 5E | 82 | 02 | 83 | 81 | 8C | 58 | C0 | 11 | 10 | 01 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 96 | 11 | 02 | 70 | 00 | 00 | 4D | 00 | 0D | 00 | 00 | 00 |
| | 00 | BF | FF | 00 | 00 | 00 | 00 | 00 | 01 | 00 | DC | DC |
| | DC | DC | DC | DC | DC | DC | DC | DC | DC | DC | DC | DC |
| | DC | DC | DC | DC | DC | DC | DC | DC | DC | DC | DC | DC |
| | DC | DC | DC | DC | DC | DC | DC | DC | DC | DC | DC | DC |
| | DC | DC | DC | DC | DC | DC | DC | DC | DC | DC | DC | DC |
| | DC | DC | DC | DC | DC | DC | DC | DC | DC | DC | DC | DC |

PROACTIVE COMMAND: MORE TIME 1.2

Logically:

Command details

Command number:

Command type: MORE TIME

Command qualifier: "00"

Device identities

Source device: UICC Destination device: ME

Coding:

| BER-TLV: | D0 | 09 | 81 | 03 | 01 | 02 | 00 | 82 | 02 | 81 | 82 |
|----------|----|----|----|----|----|----|----|----|----|----|----|

TERMINAL RESPONSE: MORE TIME 1.2

Logically:

Command details

Command number: 1

Command type: MORE TIME Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BE | R-TLV: | 81 | 03 | 01 | 02 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 | l |
|----|--------|----|----|----|----|----|----|----|----|----|----|----|----|---|
|----|--------|----|----|----|----|----|----|----|----|----|----|----|----|---|

27.22.5.2.5 Test requirement

The ME shall operate in the manner defined in expected sequences 1.1 to 1.7.

27.22.5.3 SMS-PP Data Download over IMS

27.22.5.3.1 Definition and applicability

See clause 3.2.2.

For IMS: That the UE correctly implemented the role of an SMS-over-IP receiver is tested in clause 18.2 of TS 34.229-1 [36].

27.22.5.3.2 Conformance requirement

The ME shall support the Proactive UICC: SMS-PP Data Download facility for SMS over IP as defined in the following technical specifications:

- TS 31.111 [15] clause 5, clause 7.1, clause 8.1, clause 8.7, clause 8.13 and clause 11.
- TS 31.115 [28] clause 4.
- TS 23.038 [7] clause 4.
- TS 34.229 [36], Annexes C.2, C.17 and C.18.
- TS 24.341 [37], clause 5.2.3.4.

27.22.5.3.3 Test purpose

To verify that the ME transparently passes the "data download via SMS Point-to-point" messages which have been received over IMS to the UICC.

To verify that the ME returns the RP-ACK message back to the E-USS/USS, if the UICC responds with '90 00' or '91 XX'. In case of IMS the RP-ACK message is contained in the SIP MESSAGE for the SM delivery report.

To verify that the ME returns the RP-ERROR message in the SIP MESSAGE for the SM delivery report to the E-USS/USS, if the UICC responds with '62 XX' or '63 XX'. In case of IMS the RP-ERROR message is contained in the SIP MESSAGE for the SM delivery report.

To verify that the ME returns available response data from the UICC in the TP-User-Data element of the RP-ACK message back to the E-USS/USS. In case of IMS the RP-ACK message is contained in the SIP MESSAGE for the SM delivery report.

27.22.5.3.4 Method of Test

27.22.5.3.4.1 Initial conditions

The ME is connected to the USIM Simulator. The elementary files are coded as defined for the E-UTRAN/EPC ISIM-UICC in clause 27.22.2C.

For sequence 3.1 the ME is additionally connected to the E-USS.

For sequence 3.2 the ME is additionally connected to the USS.

27.22.5.3.4.2 Procedure

Expected Sequence 3.1 (SMS-PP Data Download over IMS, E-UTRAN)

Perform the "IMS related procedure 1" and continue with "Generic Test Procedure 1 (SMS-PP Data Download)" as defined in this clause as "Expected Sequence 3.1" with the following parameters:

- a) Used Network Simulator (NWS): E-USS
- SMS-over-IP is used to send and receive short messages
- ME supports eFDD or eTDD and SMS-over-IP

Expected Sequence 3.2 (SMS-PP Data Download over IMS, UTRAN)

Perform the "IMS related procedure 1" and continue with "Generic Test Procedure 1 (SMS-PP Data Download)" as defined in this clause as "Expected Sequence 3.2" with the following parameters:

• Used Network Simulator (NWS): USS (UMTS System Simulator only)

- SMS-over-IP is used to send and receive short messages
- ME supports UTRAN

IMS related procedure 1:

| Step | Direction | MESSAGE / Action | Comments |
|------|----------------------|--|---|
| 1 | $USER \to ME$ | The ME is switched on | ME will perform Profle Download, USIM and |
| | | | ISIM initialisation |
| 2 | $ME \rightarrow NWS$ | ME activates the required bearer, discoveres P-CSCF and registers | For E-UTRAN: The EPS bearer context activation according |
| | | l G | to the procedures defined in TS 34.229-1 [36], Annex C.2 and C.18 is performed |
| | | | For UTRAN: For SMS-over-IP a PDP context activation according to the procedures defined in TS 34.229-1 [36], Annex C.2 and C.17 is performed. |
| 3 | | CONTINUE WITH STEP 4 Generic Test Procedure 1 (SMS-PP Data Download) | |

Generic Test Procedure 1 (SMS-PP Data Download)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--|------------------------|
| 4 | $NWS \to ME$ | SMS-PP Data Download Message 3.1.1 | See Note 1. |
| 5 | ME → USER | The ME shall not display the message or alert the user of a short message waiting. | |
| 6 | $ME \rightarrow UICC$ | ENVELOPE: SMS-PP DOWNLOAD 3.1.1 | |
| 7 | $UICC \to ME$ | SMS-PP Data Download UICC Acknowledgement 3.1.1 | [SW1 / SW2 of '90 00' |
| 8 | $ME \rightarrow NWS$ | SMS-PP Data Download UICC Acknowledgement 3.1.1 in the TP-User-Data element of the RP-ACK message. The values of protocol identifier and data coding scheme in RP-ACK shall be as in the original message. | See Note 2. |
| 9 | $NWS \to ME$ | | See Note 1. |
| 10 | $ME \rightarrow USER$ | The ME shall not display the message or alert the user of a short message waiting | |
| 11 | $ME \to UICC$ | ENVELOPE: SMS-PP DOWNLOAD 3.1.2 | [SW1 / SW2 of '91 0B'] |
| 12 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: MORE TIME 3.1.1 | |
| 13 | $ME \rightarrow NWS$ | RP-ACK | See Note 2. |
| 14 | $ME \to UICC$ | FETCH | |
| 15 | $UICC \to ME$ | PROACTIVE COMMAND: MORE TIME 3.1.1 | |
| 16 | $ME \to UICC$ | TERMINAL RESPONSE: MORE TIME 3.1.1 | |
| 17 | $UICC \to ME$ | PROACTIVE UICC SESSION ENDED | |
| 18 | $NWS \to ME$ | 3.1.3 | See Note 1. |
| 19 | ME | The ME shall not display the message or alert the user of a short message waiting | |

| | | _ | |
|---------|----------------------------|-------------------------------------|--|
| 20 | $ME \to UICC$ | ENVELOPE: SMS-PP | |
| | | DOWNLOAD 3.1.3 | |
| 21 | $UICC \to ME$ | SW1 / SW2 of '90 00' | |
| 22 | $ME \rightarrow NWS$ | RP-ACK | See Note 2. |
| 23 | $NWS \to ME$ | SMS-PP Data Download Message | See Note 1. |
| | | 3.1.1 | |
| 24 | $ME \rightarrow USER$ | The ME shall not display the | |
| | | message or alert the user of a | |
| | | short message waiting. | 100144 (00140 4100 11 1100 117 |
| 25 | $ME \to UICC$ | ENVELOPE: SMS-PP | [SW1 / SW2 of '62 xx" or "63 xx"] |
| | | DOWNLOAD 3.1.1 | |
| 26 | $UICC \to ME$ | SIP MESSAGE with SMS-PP Data | |
| | | Download UICC | |
| | | Acknowledgement 3.1.4 in the | |
| | | message body of MESSAGE | |
| 27 | $ME \to UICC$ | Retrieve RP-Error information | |
| | | provided by the USIM | |
| 28 | $ME \rightarrow NWS$ | SMS-PP Data Download UICC | See Note 3. |
| | | Acknowledgement 3.1.4 in the TP- | |
| | | User-Data element of the RP- | |
| | | ERROR message. The values of | |
| | | protocol identifier and data coding | |
| | | scheme in RP-ERROR shall be as | |
| | | in the original message. | |
| 29 | $NWS \to ME$ | SMS-PP Data Download Message | See Note 1. |
| | | 3.1.5 | |
| 30 | ME | The ME shall not display the | |
| | | message or alert the user of a | |
| | | short message waiting | |
| 31 | $ME \to UICC$ | ENVELOPE: SMS-PP | |
| | | DOWNLOAD 3.1.5 | |
| 32 | $UICC \to ME$ | SW1 / SW2 of '90 00' | |
| 33 | $ME \rightarrow NWS$ | RP-ACK | See Note 2. |
| 34 | | The ME is switched off | |
| Note 1: | In case of IM SIP MESSA | | sage is contained in the message body of the |
| Note 2: | In case of IM | S the RP-ACK message is contained | I in the message body of the SIP MESSAGE. |
| Note 3: | In case of IM MESSAGE. | S the RP-ERROR message is conta | ined in the message body of the SIP |

SMS-PP (Data Download) Message 3.1.1

Logically:

TP-MTI SMS-DELIVER
TP-MMS No more messages waiting for the MS in this SC
TP-RP TP-Reply-Path is not set in this SMS-DELIVER
TP-UDHI TP-UD field contains only the short message
TP-SRI A status report will not be returned to the SME

TP-OA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "1234"

TP-PID (U)SIM Data download

TP-DCS

Coding Group General Data Coding Compression Text is uncompressed

Message Class Class 2 (U)SIM Specific Message

Alphabet 8 bit data

TP-SCTS: 01/01/98 00:00:00 +0

TP-UDL 13

TP-UD "TestMessage 1"

Coding:

| Coding | 04 | 04 | 91 | 21 | 43 | 7F | 16 | 89 | 10 | 10 | 00 | 00 |
|--------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | 00 | 0D | 54 | 65 | 73 | 74 | 4D | 65 | 73 | 73 | 61 |
| | 67 | 65 | 20 | 31 | | | | | | | | |

ENVELOPE: SMS-PP DOWNLOAD 3.1.1

Logically:

SMS-PP Download

Device identities

Source device: Network
Destination device: UICC

Address

TON International number

NPI "ISDN / telephone numbering plan"

Dialling number string "112233445566778"

SMS TPDU

TP-MTI SMS-DELIVER

TP-MMS No more messages waiting for the MS in this SC

TP-RPTP-Reply-Path is not set in this SMS-DELIVER

TP-UDHI TP-UD field contains only the short message TP-SRI A status report will not be returned to the SME

TP-OA

TON International number

NPI "ISDN / telephone numbering plan" Address value "1234"

TP-PID (U)SIM Data download

TP-DCS

Coding Group General Data Coding Compression Text is uncompressed

Message Class Class 2 (U)SIM Specific Message

Alphabet 8 bit data

TP-SCTS: 01/01/98 00:00:00 +0

TP-UDL 13

TP-UD "TestMessage 1"

Coding:

| BER-TLV: | D1 | 2D | 82 | 02 | 83 | 81 | 06 | 09 | 91 | 11 | 22 | 33 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 44 | 55 | 66 | 77 | F8 | 8B | 1C | 04 | 04 | 91 | 21 | 43 |
| | 7F | 16 | 89 | 10 | 10 | 00 | 00 | 00 | 00 | 0D | 54 | 65 |
| | 73 | 74 | 4D | 65 | 73 | 73 | 61 | 67 | 65 | 20 | 31 | |

SMS-PP Data Download UICC Acknowledgement 3.1.1

| Coding | 44 | 61 | 74 | 61 | 20 | 41 | 63 | 6B |
|--------|----|----|----|----|----|----|----|----|

SMS-PP (Data Download) Message 3.1.2

Logically:

SMS TPDU

TP-MTI SMS-DELIVER

TP-MMS No more messages waiting for the MS in this SC TP-RP TP-Reply-Path is not set in this SMS-DELIVER

TP-UDHI TP-UD field contains only the short message TP-SRI A status report will not be returned to the SME

TP-OA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "2143"

TP-PID (U)SIM Data download

TP-DCS

Coding Group General Data Coding Compression Text is uncompressed

Message Class Class 2 (U)SIM Specific Message

Alphabet 8 bit data

TP-SCTS: 01/01/98 00:00:00 +0

TP-UDL 13

TP-UD "TestMessage 2"

Coding:

| Coding | 04 | 04 | 91 | 12 | 34 | 7F | 16 | 89 | 10 | 10 | 00 | 00 |
|--------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | 00 | 0D | 54 | 65 | 73 | 74 | 4D | 65 | 73 | 73 | 61 |
| | 67 | 65 | 20 | 32 | | | | | | | | |

ENVELOPE: SMS-PP DOWNLOAD 3.1.2

Logically:

SMS-PP Download

Device identities

Source device: Network
Destination device: UICC

Address

TON International number

NPI "ISDN / telephone numbering plan"

Dialling number string "112233445566778"

SMS TPDU

TP-MTI SMS-DELIVER

TP-MMS No more messages waiting for the MS in this SC

TP-RPTP-Reply-Path is not set in this SMS-DELIVER

TP-UDHI TP-UD field contains only the short message TP-SRI A status report will not be returned to the SME

TP-OA

TON International number

NPI "ISDN / telephone numbering plan" Address value "2143"

TP-PID (U)SIM Data download

TP-DCS

Coding Group General Data Coding Compression Text is uncompressed

Message Class Class 2 (U)SIM Specific Message

Alphabet 8 bit data

TP-SCTS: 01/01/98 00:00:00 +0

TP-UDL 13

TP-UD "TestMessage 2"

| BER-TLV: | D1 | 2D | 82 | 02 | 83 | 81 | 06 | 09 | 91 | 11 | 22 | 33 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 44 | 55 | 66 | 77 | F8 | 8B | 1C | 04 | 04 | 91 | 12 | 34 |
| | 7F | 16 | 89 | 10 | 10 | 00 | 00 | 00 | 00 | 0D | 54 | 65 |
| | 73 | 74 | 4D | 65 | 73 | 73 | 61 | 67 | 65 | 20 | 32 | |

PROACTIVE COMMAND: MORE TIME 1.1.1

Logically:

Command details

Command number:

Command type: MORE TIME

Command qualifier: "00"

Device identities

Source device: UICC Destination device: ME

Coding:

| ER-TLV: D0 09 81 | 03 01 | 02 00 | | 02 81 | 82 |
|------------------|-------|-------|--|-------|----|
|------------------|-------|-------|--|-------|----|

TERMINAL RESPONSE: MORE TIME 1.1.1

Logically:

Command details

Command number:

Command type: MORE TIME

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TI V | 0.4 | 00 | 0.4 | ~~ | ~~ | 0.0 | 00 | 0.0 | 0.4 | 00 | 04 | ~~ |
|-----------|------|----|-----|------|----|-----|------|-----|------|------|-------|----|
| IBER-ILV: | 1 81 | 03 | 01 | 1 02 | 00 | 82 | 1 02 | 82 | 1 81 | 1 83 | 1 ()1 | 00 |

SMS-PP (Data Download) Message 3.1.3

Logically:

SMS TPDU

TP-MTI SMS-DELIVER

TP-MMS No more messages waiting for the MS in this SC
TP-RP TP-Reply-Path is not set in this SMS-DELIVER
TP-UDHI TP-UD field contains only the short message
TP-SRI A status report will not be returned to the SME

TP-OA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "2233"

TP-PID (U)SIM Data download

TP-DCS

Coding Group Data Coding / Message Class

Message Coding 8 bit data

Message Class Class 2 (U)SIM Specific Message

TP-SCTS: 01/01/98 00:00:00 +0

TP-UDL 13

TP-UD "TestMessage 3"

Coding:

| Coding | 04 | 04 | 91 | 22 | 33 | 7F | F6 | 89 | 10 | 10 | 00 | 00 |
|--------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | 00 | 0D | 54 | 65 | 73 | 74 | 4D | 65 | 73 | 73 | 61 |
| | 67 | 65 | 20 | 33 | | | | | | | | |

ENVELOPE: SMS-PP DOWNLOAD 3.1.3

Logically:

SMS-PP Download

Device identities

Source device: Network
Destination device: UICC

Address

TON International number

NPI "ISDN / telephone numbering plan"

Dialling number string "112233445566778"

SMS TPDU

TP-MTI SMS-DELIVER

TP-MMS No more messages waiting for the MS in this SC
TP-RP TP-Reply-Path is not set in this SMS-DELIVER
TP-UDHI TP-UD field contains only the short message
TP-SRI A status report will not be returned to the SME

TP-OA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "2233"

TP-PID (U)SIM Data download

TP-DCS

Coding Group Data Coding / Message Class

Message Coding 8 bit data

Message Class Class 2 (U)SIM Specific Message

TP-SCTS: 01/01/98 00:00:00 +0

TP-UDL 13

TP-UD "TestMessage 3"

Coding:

| BER-TLV: | D1 | 2D | 82 | 02 | 83 | 81 | 06 | 09 | 91 | 11 | 22 | 33 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 44 | 55 | 66 | 77 | F8 | 8B | 1C | 04 | 04 | 91 | 22 | 33 |
| | 7F | F6 | 89 | 10 | 10 | 00 | 00 | 00 | 00 | 0D | 54 | 65 |
| | 73 | 74 | 4D | 65 | 73 | 73 | 61 | 67 | 65 | 20 | 32 | |

SMS-PP Data Download UICC Acknowledgement 3.1.4

| Coding | 44 | 61 | 74 | 61 | 20 | 45 | 72 | 72 | 65 | 72 |
|--------|----|----|----|----|----|----|----|----|----|----|
|--------|----|----|----|----|----|----|----|----|----|----|

SMS-PP (Data Download) Message 3.1.5

Logically:

SMS TPDU

TP-MTI SMS-DELIVER

TP-MMS No more messages waiting for the MS in this SC

TP-Reply-Path is not set in this SMS-DELIVER

TP-UDHI TP-UD field contains user data header and a short message

TP-SRI A status report will not be returned to the SME

TP-OA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "1234"

TP-PID (U)SIM Data download

TP-DCS

Coding Group Data Coding / Message Class

Message Coding 8 bit data

Message Class Class 2 (U)SIM Specific Message

TP-SCTS: 01/01/98 00:00:00 +0

TP-UDL 30

TP-UD

TP-UDHL 2

IEI (U)SIM Toolkit Security Headers

IEIL 0

SM (8 bit data)

Command Packet Length: 25
Command Header Identifier: 0
Command Header Length: 13

Security Parameter Indicator: No RC, CC or DS and No PoR reply to the Sending Entity

Ciphering Key Identifier: Algorithm known implicitly by both entities

Key Identifier: Algorithm known implicitly by both entities

Toolkit Application Reference: Proprietary Toolkit Application

Counter: 1

Padding Counter: 0 (no padding is necessary)
Secure Data: 10 octets set to 'DC' (dummy data)

Coding:

| Coding | 44 | 04 | 91 | 21 | 43 | 7F | F6 | 89 | 10 | 10 | 00 | 00 |
|--------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | 00 | 1E | 02 | 70 | 00 | 00 | 19 | 00 | 0D | 00 | 00 |
| | 00 | 00 | BF | FF | 00 | 00 | 00 | 00 | 00 | 01 | 00 | DC |
| | DC | DC | DC | DC | DC | DC | DC | DC | DC | | | |

ENVELOPE: SMS-PP DOWNLOAD 3.1.5

Logically:

SMS-PP Download

Device identities

Source device: Network
Destination device: UICC

Address

TON International number

NPI "ISDN / telephone numbering plan"

Dialling number string "112233445566778"

SMS TPDU

TP-MTI SMS-DELIVER

TP-MMS No more messages waiting for the MS in this SC TP-RP TP-Reply-Path is not set in this SMS-DELIVER

TP-UDHI TP-UD field contains user data header and a short message

TP-SRI A status report will not be returned to the SME

TP-OA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "1234"

TP-PID (U)SIM Data download

TP-DCS

Coding Group Data Coding / Message Class

Message Coding 8 bit data

Message Class Class 2 (U)SIM Specific Message

TP-SCTS: 01/01/98 00:00:00 +0

TP-UDL 30

TP-UD

TP-UDHL 2

IEI (U)SIM Toolkit Security Headers

IEIL 0

SM (8 bit data)

Command Packet Length: 25 Command Header Identifier: 0 Command Header Length: 13

Security Parameter Indicator: No RC, CC or DS and No PoR reply to the Sending Entity

Ciphering Key Identifier: Algorithm known implicitly by both entities Key Identifier: Algorithm known implicitly by both entities

Toolkit Application Reference: Proprietary Toolkit Application

Counter: 1

Padding Counter: 0 (no padding is necessary)
Secure Data: 10 octets set to 'DC' (dummy data)

Coding:

| BER-TLV: | D1 | 3E | 82 | 02 | 83 | 81 | 06 | 09 | 91 | 11 | 22 | 33 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| · | 44 | 55 | 66 | 77 | F8 | 8B | 2D | 44 | 04 | 91 | 21 | 43 |
| | 7F | F6 | 89 | 10 | 10 | 00 | 00 | 00 | 00 | 1E | 02 | 70 |
| | 00 | 00 | 19 | 00 | 0D | 00 | 00 | 00 | 00 | BF | FF | 00 |
| | 00 | 00 | 00 | 00 | 01 | 00 | DC | DC | DC | DC | DC | DC |
| | DC | DC | DC | DC | | | | | | | | |

27.22.5.3.5 Test requirement

The ME supporting eFDD or eTDD shall operate in the manner defined in expected sequence 3.1.

The ME supporting UTRAN shall operate in the manner defined in expected sequence 3.2.

27.22.6 CALL CONTROL BY USIM

27.22.6.1 Procedure for Mobile Originated calls

27.22.6.1.1 Definition and applicability

See clause 3.2.2.

27.22.6.1.2 Conformance requirement

The ME shall support the CALL CONTROL facility as defined in:

- TS 31.111 [15] clause 7.3

27.22.6.1.3 Test purpose

To verify that for all call set-up attempts , even those resulting from a SET UP CALL proactive UICC command, the ME shall first pass the call set-up details (dialled digits and associated parameters) to the UICC, using the ENVELOPE (CALL CONTROL).

To verify that if the UICC responds with '90 00', the ME shall set up the call with the dialled digits and other parameters as sent to the UICC.

To verify that if the UICC returns response data, the ME shall use the response data appropriately to set up the call as proposed, not set up the call, or set up a call using the data supplied by the UICC.

To verify that, in the case where the initial call set-up request results from a proactive SET UP CALL, if the call control result is "not allowed" or "allowed with modifications", the ME shall inform the UICC using TERMINAL RESPONSE "interaction with call control by UICC or MO short message control by UICC, action not allowed".

To verify that it is possible for the UICC to request the ME to set up an emergency call by supplying the number "112" as the response data.

27.22.6.1.4 Method of tests

27.22.6.1.4.1 Initial conditions

The ME is connected to the USIM Simulator and USS and has performed the location update procedure.

The GERAN/UTRAN parameters of the system simulator are:

- Mobile Country Code (MCC) = 001;
- Mobile Network Code (MNC) = 01;
- Location Area Code (LAC) = 0001;
- Cell Identity value = 0001.

The PCS 1900 parameters of the system simulator are:

- Mobile Country Code (MCC) = 001;
- Mobile Network Code (MNC) = 011;
- Location Area Code (LAC) = 0001;
- Cell Identity value = 0001.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The elementary files are coded as USIM Application Toolkit default with the following exceptions:

- 1) The call control service is available in the USIM Service Table.
- 2) Only for sequence 1.9:

EF_{ECC} (Emergency Call Codes)

Logically:

Emergency call code: "1020"; Emergency call code alpha identifier: empty; Emergency call Service Category: RFU

| Coding: | B1 | B2 | B3 | B4 | B5 | B6 | B7 | B8 |
|---------|----|----|----|----|----|----|----|----|
| Hex | 01 | 02 | FF | FF | FF | FF | FF | FF |

27.22.6.1.4.2 Procedure

Expected Sequence 1.1 (CALL CONTROL BY USIM, set up call attempt by user, the USIM responds with '90 00')

| Step | Direction | Message / Action | Comments |
|------|-----------------------|---------------------------------|--|
| 1 | $User \to ME$ | Set up a call to | |
| | | "+01234567890123456789" | |
| 2 | $ME \rightarrow UICC$ | ENVELOPE CALL CONTROL | [Option A shall apply for 3GPP parameters] |
| | | 1.1.1A | [Option B shall apply for PCS1900 |
| | | Or | parameters] |
| | | ENVELOPE CALL CONTROL | |
| | | 1.1.1B | |
| 3 | $UICC \to ME$ | 90 00 | |
| 4 | $ME \to USS$ | The ME sets up the call without | [Set up call to "+01234567890123456789" |
| | | modification | |

ENVELOPE CALL CONTROL 1.1.1A

Logically:

Device identities

Source device: ME
Destination device: UICC

Address

TON: International

NPI: "ISDN / telephone numbering plan" or "unknown"

Dialling number string "01234567890123456789"

Capability configuration parameters 1

This parameter is optional. If present, the contents shall not be checked.

Subaddress

This parameter is optional. If present, the contents shall not be checked.

Location Information

MCC & MNC the mobile country and network code (00F110)

LAC the location Area Code (0001)
Cell ID Cell Identity Value (0001)

Extended Cell ID RNC-id value (for Rel-4 onwards), see also Note 6

Capability configuration parameters 2

This parameter is optional. If present, the contents shall not be checked.

Coding:

| BER-TLV: | D4 | Note 1 | 82 | 02 | 82 | 81 | 86 | 0B | 91 | 10 | 32 | 54 |
|----------|----|--------|----|----|----|----|--------|--------|--------|----|--------|----|
| · | 76 | 98 | 10 | 32 | 54 | 76 | 98 | Note 2 | Note 3 | 13 | Note 5 | 00 |
| | F1 | 10 | 00 | 01 | 00 | 01 | Note 6 | Note 4 | | | | |

ENVELOPE CALL CONTROL 1.1.1B

Logically:

Device identities

Source device: ME
Destination device: UICC

Address

TON: International

NPI: "ISDN / telephone numbering plan" or "unknown"

Dialling number string "01234567890123456789"

Capability configuration parameters 1

This parameter is optional. If present, the contents shall not be checked.

Subaddress

This parameter is optional. If present, the contents shall not be checked.

Location Information

MCC & MNC the mobile country and network code (001110)

LAC the location Area Code (0001)
Cell ID Cell Identity Value (0001)

Capability configuration parameters 2

This parameter is optional. If present, the contents shall not be checked.

Coding:

| BER-TLV: | D4 | Note 1 | 82 | 02 | 82 | 81 | 86 | 0B | 91 | 10 | 32 | 54 |
|----------|----|--------|----|----|----|----|--------|--------|--------|----|----|----|
| | 76 | 98 | 10 | 32 | 54 | 76 | 98 | Note 2 | Note 3 | 13 | 07 | 00 |
| | 11 | 10 | 00 | 01 | 00 | 01 | Note 4 | | | | | |

Note 1: Length of BER-TLV is '1A' plus the actual length of all the present optional SIMPLE-TLV data objects.

Note 2: Capability configuration parameters 1 may be present at this place. If present, it may take up several octets.

Note 3: Subaddress may be present at this place. If present, it may take up several octets.

Note 4: Capability configuration parameters 2 may be present at this place. If present, it may take up several octets.

Note 5: Depending on the presence of the Extended Cell Identity Value the length is '07' or '09'

Note 6: The Extended Cell Identity Value is present in Rel-4 and onwards implementations, the values of the two bytes shall not be verified

Expected Sequence 1.2 (CALL CONTROL BY USIM, set up call attempt by user, allowed without modification)

| Step | Direction | Message / Action | Comments |
|------|-----------------------|---------------------------------|--|
| 1 | User \rightarrow ME | Set up a call to | |
| | | "+01234567890123456789" | |
| 2 | $ME \rightarrow UICC$ | ENVELOPE CALL CONTROL | [Option A shall apply for GERAN/UTRAN |
| | | 1.2.1 A | parameters] |
| | | or | [Option B shall apply for PCS1900 |
| | | ENVELOPE CALL CONTROL | parameters] |
| | | 1.2.1B | |
| 3 | $UICC \to ME$ | CALL CONTROL RESULT 1.2.1 | [Call control result: "Allowed, no |
| | | | modification"] |
| 4 | $ME \rightarrow USS$ | The ME sets up the call without | [Set up call to "+01234567890123456789"] |
| | | modification | |

ENVELOPE CALL CONTROL 1.2.1A

Logically:

Device identities

Source device: ME
Destination device: UICC

Address

TON: International

NPI: "ISDN / telephone numbering plan" or "unknown"

Dialling number string "01234567890123456789"

Capability configuration parameters 1

This parameter is optional. If present, the contents shall not be checked.

Subaddress

This parameter is optional. If present, the contents shall not be checked.

Location Information

MCC & MNC the mobile country and network code (00F110)

LAC the location Area Code (0001)
Cell ID Cell Identity Value (0001)

Extended Cell ID RNC-id value (for Rel-4 onwards), see also Note 6

Capability configuration parameters 2

This parameter is optional. If present, the contents shall not be checked.

Coding:

| BER-TLV: | D4 | Note 1 | 82 | 02 | 82 | 81 | 86 | 0B | 91 | 10 | 32 | 54 |
|----------|----|--------|----|----|----|----|--------|--------|--------|----|--------|----|
| | 76 | 98 | 10 | 32 | 54 | 76 | 98 | Note 2 | Note 3 | 13 | Note 5 | 00 |
| | F1 | 10 | 00 | 01 | 00 | 01 | Note 6 | Note 4 | | | | |

ENVELOPE CALL CONTROL 1.2.1B

Logically:

Device identities

Source device: ME
Destination device: UICC

Address

TON: International

NPI: "ISDN / telephone numbering plan" or "unknown"

Dialling number string "01234567890123456789"

Capability configuration parameters 1

This parameter is optional. If present, the contents shall not be checked.

Subaddress

This parameter is optional. If present, the contents shall not be checked.

Location Information

MCC & MNC the mobile country and network code (001110)

LAC the location Area Code (0001)

Cell ID Cell Identity Value (0001) Capability configuration parameters 2

This parameter is optional. If present, the contents shall not be checked.

Coding:

| BER-TLV: | D4 | Note 1 | 82 | 02 | 82 | 81 | 86 | 0B | 91 | 10 | 32 | 54 |
|----------|----|--------|----|----|----|----|--------|--------|--------|----|----|----|
| _ | 76 | 98 | 10 | 32 | 54 | 76 | 98 | Note 2 | Note 3 | 13 | 07 | 00 |
| | 11 | 10 | 00 | 01 | 00 | 01 | Note 4 | | | | | |

- Note 1: Length of BER-TLV is '1A' plus the actual length of all the present optional SIMPLE-TLV data objects.
- Note 2: Capability configuration parameters 1 may be present at this place. If present, it may take up several octets.
- Note 3: Subaddress may be present at this place. If present, it may take up several octets.
- Note 4: Capability configuration parameters 2 may be present at this place. If present, it may take up several octets.
- Note 5: Depending on the presence of the Extended Cell Identity Value the length is '07' or '09'
- Note 6: The Extended Cell Identity Value is present in Rel-4 and onwards implementations, the values of the two bytes shall not be verified

CALL CONTROL RESULT 1.2.1

Logically:

Call control result : '00' = Allowed, no modification

Coding:

BER-TLV: 00 00

Expected Sequence 1.3A (CALL CONTROL BY USIM, set up call attempt resulting from a set up call proactive command, allowed without modification)

| Step | Direction | Message / Action | Comments |
|------|-----------------------|-----------------------------------|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND: SET | [This test applies to MEs asking for user |
| | | UP CALL 1.3.1 PENDING | confirmation before sending the |
| | | | ENVELOPE CALL CONTROL command] |
| 2 | ME→UICC | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SET | [Set up call to "+012340123456"] |
| | | UP CALL 1.3.1 | |
| 4 | $ME \rightarrow USER$ | ME displays "+012340123456" | |
| | | during user confirmation phase. | |
| 5 | | The user confirms the call set up | [user confirmation] |
| 6 | $ME \rightarrow UICC$ | ENVELOPE CALL CONTROL | [Option A shall apply for GERAN/UTRAN |
| | | 1.3.1A | parameters] |
| | | or | [Option B shall apply for PCS1900 |
| | | ENVELOPE CALL CONTROL | parameters] |
| | | 1.3.1B | |
| 7 | $UICC \to ME$ | CALL CONTROL RESULT 1.3.1 | [Call control result: "Allowed, no |
| _ | | | modification"] |
| 8 | $ME \rightarrow USS$ | The ME sets up the call without | [Set up call to "+012340123456"] |
| | | modification | |
| 9 | $ME \rightarrow UICC$ | | [command performed successfully] |
| | | CALL 1.3.1 | |

Expected Sequence 1.3 B (CALL CONTROL BY USIM, set up call attempt resulting from a set up call proactive command, allowed without modification)

| Step | Direction | Message / Action | Comments |
|------|-----------------------|-----------------------------------|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND: SET | [This test applies to MEs asking for user |
| | | UP CALL 1.3.1 PENDING | confirmation after sending the |
| | | | ENVELOPE CALL CONTROL command] |
| 2 | ME→UICC | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SET | [Set up call to "+012340123456"] |
| | | UP CALL 1.3.1 | |
| 4 | $ME \rightarrow UICC$ | ENVELOPE CALL CONTROL | Option A shall apply for GERAN/UTRAN |
| | | 1.3.1A | parameters] |
| | | or | [Option B shall apply for PCS1900 |
| | | ENVELOPE CALL CONTROL | parameters] |
| | | 1.3.1B | |
| 5 | $UICC \to ME$ | CALL CONTROL RESULT 1.3.1 | [Call control result: "Allowed, no modification"] |
| 6 | $ME \rightarrow USER$ | ME displays "+012340123456" | - |
| | | during user confirmation phase. | |
| 7 | $USER \to ME$ | The user confirms the call set up | [user confirmation] |
| 8 | $ME \rightarrow USS$ | The ME sets up the call without | [Set up call to "+012340123456"] |
| | | modification | |
| 9 | $ME \rightarrow UICC$ | | [command performed successfully] |
| | | CALL 1.3.1 | |

PROACTIVE COMMAND: SET UP CALL 1.3.1

Logically:

Command details

Command number: 1

Command type: SET UP CALL

Command qualifier: Only if not currently busy on another call

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "+012340123456"

Address

TON: International

NPI: "ISDN / telephone numbering plan"

Dialling number string "012340123456"

Coding:

| BER-TLV: | D0 | 21 | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 81 | 83 |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| | 05 | 0D | 2B | 30 | 31 | 32 | 33 | 34 | 30 | 31 | 32 |
| | 33 | 34 | 35 | 36 | 86 | 07 | 91 | 10 | 32 | 04 | 21 |
| | 43 | 65 | | | | | | | | | |

ENVELOPE CALL CONTROL 1.3.1A

Logically:

Device identities

Source device: ME
Destination device: UICC

Address

TON: International

NPI: "ISDN / telephone numbering plan" or "unknown"

Dialling number string "012340123456"

Capability configuration parameters 1

This parameter is optional. If present, the contents shall not be checked.

Subaddress

This parameter is optional. If present, the contents shall not be checked.

Location Information

MCC & MNC the mobile country and network code (00F110)

LAC the location Area Code (0001)
Cell ID Cell Identity Value (0001)

Extended Cell ID RNC-id value (for Rel-4 onwards), see also Note 6

Capability configuration parameters 2

This parameter is optional. If present, the contents shall not be checked.

Coding:

| BER-TLV: | D4 | Note 1 | 02 | 02 | 82 | 81 | 06 | 07 | 91 | 10 | 32 |
|----------|----|--------|----|----|--------|--------|----|--------|----|----|----|
| | 04 | 21 | 43 | 65 | Note 2 | Note 3 | 13 | Note 5 | 00 | F1 | 10 |
| | 00 | 01 | 00 | 01 | Note 6 | Note 4 | | | | | |

ENVELOPE CALL CONTROL 1.3.1B

Logically:

Device identities

Source device: ME
Destination device: UICC

Address

TON: International

NPI: "ISDN / telephone numbering plan" or "unknown"

Dialling number string "012340123456"

Capability configuration parameters 1

This parameter is optional. If present, the contents shall not be checked.

Subaddress

This parameter is optional. If present, the contents shall not be checked.

Location Information

MCC & MNC the mobile country and network code (001110)

LAC the location Area Code (0001)
Cell ID Cell Identity Value (0001)

Capability configuration parameters 2

This parameter is optional. If present, the contents shall not be checked.

Coding:

| BER-TLV: | D4 | Note 1 | 02 | 02 | 82 | 81 | 06 | 07 | 91 | 10 | 32 |
|----------|----|--------|----|----|--------|--------|----|----|----|----|----|
| | 04 | 21 | 43 | 65 | Note 2 | Note 3 | 13 | 07 | 00 | 11 | 10 |
| | 00 | 01 | 00 | 01 | Note 4 | | | | | | |

- Note 1: Length of BER-TLV is '16' plus the actual length of all the present optional SIMPLE-TLV data objects.
- Note 2: Capability configuration parameters 1 may be present at this place. If present, it may take up several octets.
- Note 3: Subaddress may be present at this place. If present, it may take up several octets.
- Note 4: Capability configuration parameters 2 may be present at this place. If present, it may take up several octets.
- Note 5: Depending on the presence of the Extended Cell Identity Value the length is '07' or '09'

Note 6: The Extended Cell Identity Value is present in Rel-4 and onwards implementations, the values of the two bytes shall not be verified

CALL CONTROL RESULT 1.3.1

Logically:

Call control result : '00' = Allowed, no modification

Coding:

BER-TLV: 00 00

TERMINAL RESPONSE: SET UP CALL 1.3.1

Logically:

Command details

Command number: 1

Command type: SET UP CALL

Command qualifier: Only if not currently busy on another call

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | | | | | | | | | | | | |

Expected Sequence 1.4 (CALL CONTROL BY USIM, set up call attempt by user, not allowed)

| Step | Direction | Message / Action | Comments |
|------|-----------------------|---------------------------------|---------------------------------------|
| 1 | $User \to ME$ | Set up a call to | |
| | | "+01234567890123456789" | |
| 2 | $ME \rightarrow UICC$ | ENVELOPE CALL CONTROL | [Option A shall apply for GERAN/UTRAN |
| | | 1.4.1 A | parameters] |
| | | or | Option B shall apply for PCS1900 |
| | | ENVELOPE CALL CONTROL | parameters] |
| | | 1.4.1B | |
| 3 | $UICC \to ME$ | CALL CONTROL RESULT 1.4.1 | [Call control result: "not Allowed"] |
| 4 | $ME \rightarrow USS$ | The ME does not set up the call | |

ENVELOPE CALL CONTROL 1.4.1A

Logically:

Device identities

Source device: ME
Destination device: UICC

Address

TON: International

NPI: "ISDN / telephone numbering plan" or "unknown"

Dialling number string "+01234567890123456789"

Capability configuration parameters 1

This parameter is optional. If present, the contents shall not be checked.

Subaddress

This parameter is optional. If present, the contents shall not be checked.

Location Information

MCC & MNC the mobile country and network code (00F110)

LAC the location Area Code (0001)
Cell ID Cell Identity Value (0001)

Extended Cell ID RNC-id value (for Rel-4 onwards), see also Note 6

Capability configuration parameters 2

This parameter is optional. If present, the contents shall not be checked.

Coding:

| BER-TLV: | D4 | Note 1 | 82 | 02 | 82 | 81 | 86 | 0B | 91 | 10 | 32 | 54 |
|----------|----|--------|----|----|----|----|--------|--------|--------|----|--------|----|
| _ | 76 | 98 | 10 | 32 | 54 | 76 | 98 | Note 2 | Note 3 | 13 | Note 5 | 00 |
| | F1 | 10 | 00 | 01 | 00 | 01 | Note 6 | Note 4 | | | | |

ENVELOPE CALL CONTROL 1.4.1B

Logically:

Device identities

Source device: ME
Destination device: UICC

Address

TON: International

NPI: "ISDN / telephone numbering plan" or "unknown"

Dialling number string "+01234567890123456789"

Capability configuration parameters 1

This parameter is optional. If present, the contents shall not be checked.

Subaddress

This parameter is optional. If present, the contents shall not be checked.

Location Information

MCC & MNC the mobile country and network code (001110)

LAC the location Area Code (0001)
Cell ID Cell Identity Value (0001)

Capability configuration parameters 2

This parameter is optional. If present, the contents shall not be checked.

Coding:

| BER-TLV: | D4 | Note 1 | 82 | 02 | 82 | 81 | 86 | 0B | 91 | 10 | 32 | 54 |
|----------|----|--------|----|----|----|----|--------|--------|--------|----|----|----|
| | 76 | 98 | 10 | 32 | 54 | 76 | 98 | Note 2 | Note 3 | 13 | 07 | 00 |
| | 11 | 10 | 00 | 01 | 00 | 01 | Note 4 | | | | | |

Note 1: Length of BER-TLV is '1A' plus the actual length of all the present optional SIMPLE-TLV data objects.

Note 2: Capability configuration parameters 1 may be present at this place. If present, it may take up several octets.

Note 3: Subaddress may be present at this place. If present, it may take up several octets.

Note 4: Capability configuration parameters 2 may be present at this place. If present, it may take up several octets.

Note 5: Depending on the presence of the Extended Cell Identity Value the length is '07' or '09'

Note 6: The Extended Cell Identity Value is present in Rel-4 and onwards implementations, the values of the two bytes shall not be verified

CALL CONTROL RESULT 1.4.1

Logically:

Call control result: '01' = not Allowed

Coding:

BER-TLV: 01 00

Expected Sequence 1.5A (CALL CONTROL BY USIM, set up call attempt resulting from a set up call proactive command, not allowed)

| Step | Direction | Message / Action | Comments |
|------|---------------|-----------------------------------|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND: SET | [This test applies to MEs asking for user |
| | | UP CALL 1.5.1 PENDING | confirmation before sending the |
| | | | ENVELOPE CALL CONTROL command] |
| 2 | ME→UICC | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SET | [Set up call to "+012340123456" |
| | | UP CALL 1.5.1 | |
| 4 | $ME \to USER$ | ME displays "+012340123456" | |
| | | during user confirmation phase. | |
| 5 | $USER \to ME$ | The user confirms the call set up | [user confirmation] |
| 6 | $ME \to UICC$ | ENVELOPE CALL CONTROL | [Option A shall apply for GERAN/UTRAN |
| | | 1.5.1A | parameters] |
| | | or | [Option B shall apply for PCS1900 |
| | | ENVELOPE CALL CONTROL | parameters] |
| | | 1.5.1B | |
| 7 | $UICC \to ME$ | CALL CONTROL RESULT 1.5.1 | [Call control result: "Not Allowed"] |
| 8 | $ME \to UICC$ | TERMINAL RESPONSE: SET UP | [Permanent Problem - Interaction with |
| | | CALL 1.5.1 | Call Control by USIM] |
| 9 | $ME \to USS$ | The ME does not set up the call | - |

Expected Sequence 1.5 B (CALL CONTROL BY USIM , set up call attempt resulting from a set up call proactive command, not allowed)

| Step | Direction | Message / Action | Comments |
|------|-----------------------|---------------------------------|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND: SET | [This test applies to MEs asking for user |
| | | UP CALL 1.5.1 PENDING | confirmation after sending the |
| | | | ENVELOPE CALL CONTROL command] |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SET | [Set up call to "+012340123456" |
| | | UP CALL 1.5.1 | |
| 4 | $ME \rightarrow UICC$ | ENVELOPE CALL CONTROL | [Option A shall apply for GERAN/UTRAN |
| | | 1.5.1A | parameters] |
| | | or | Option B shall apply for PCS1900 |
| | | ENVELOPE CALL CONTROL | parameters] |
| | | 1.5.1B | |
| 5 | $UICC \to ME$ | CALL CONTROL RESULT 1.5.1 | [Call control result: "Not Allowed"] |
| | | | [No user confirmation phase because |
| | | | Call Control has disallowed the request] |
| 6 | $ME \to UICC$ | TERMINAL RESPONSE: SET UP | [Permanent Problem - Interaction with |
| | | CALL 1.5.1 | Call Control by USIM] |
| 7 | $ME \to USS$ | The ME does not set up the call | |

PROACTIVE COMMAND: SET UP CALL 1.5.1

Logically:

Command details

Command number: 1

Command type: SET UP CALL

Command qualifier: Only if not currently busy on another call

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "+012340123456"

Address

TON: International

NPI: "ISDN / telephone numbering plan"

Dialling number string "012340123456"

Coding:

| BER-TLV: | D0 | 21 | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 81 | 83 |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| | 05 | 0D | 2B | 30 | 31 | 32 | 33 | 34 | 30 | 31 | 32 |
| | 33 | 34 | 35 | 36 | 86 | 07 | 91 | 10 | 32 | 04 | 21 |
| | 43 | 65 | | | | | | | | | |

ENVELOPE CALL CONTROL 1.5.1A

Logically:

Device identities

Source device: ME
Destination device: UICC

Address

TON: International

NPI: "ISDN / telephone numbering plan" or "unknown"

Dialling number string "012340123456"

Capability configuration parameters 1

This parameter is optional. If present, the contents shall not be checked.

Subaddress

This parameter is optional. If present, the contents shall not be checked.

Location Information

MCC & MNC the mobile country and network code (00F110)

LAC the location Area Code (0001)
Cell ID Cell Identity Value (0001)

Extended Cell ID RNC-id value (for Rel-4 onwards), see also Note 6

Capability configuration parameters 2

This parameter is optional. If present, the contents shall not be checked.

Coding:

| BER-TLV: | D4 | Note 1 | 02 | 02 | 82 | 81 | 06 | 07 | 91 | 10 | 32 |
|----------|----|--------|----|----|--------|--------|----|--------|----|----|----|
| | 04 | 21 | 43 | 65 | Note 2 | Note 3 | 13 | Note 5 | 00 | F1 | 10 |
| | 00 | 01 | 00 | 01 | Note 6 | Note 4 | | | | | |

ENVELOPE CALL CONTROL 1.5.1B

Logically:

Device identities

Source device: ME
Destination device: UICC

Address

TON: International

NPI: "ISDN / telephone numbering plan" or "unknown"

Dialling number string "012340123456"

Capability configuration parameters 1

This parameter is optional. If present, the contents shall not be checked.

Subaddress

This parameter is optional. If present, the contents shall not be checked.

Location Information

MCC & MNC the mobile country and network code (001110)

LAC the location Area Code (0001)
Cell ID Cell Identity Value (0001)

Capability configuration parameters 2

This parameter is optional. If present, the contents shall not be checked.

Coding:

| BER-TLV: | D4 | Note 1 | 02 | 02 | 82 | 81 | 06 | 07 | 91 | 10 | 32 |
|----------|----|--------|----|----|--------|--------|----|----|----|----|----|
| _ | 04 | 21 | 43 | 65 | Note 2 | Note 3 | 13 | 07 | 00 | 11 | 10 |
| | 00 | 01 | 00 | 01 | Note 4 | | | | | | |

Note 1: Length of BER-TLV is '16' plus the actual length of all the present optional SIMPLE-TLV data objects.

Note 2: Capability configuration parameters 1 may be present at this place. If present, it may take up several octets.

Note 3: Subaddress may be present at this place. If present, it may take up several octets.

Note 4: Capability configuration parameters 2 may be present at this place. If present, it may take up several octets.

Note 5: Depending on the presence of the Extended Cell Identity Value the length is '07' or '09'

Note 6: The Extended Cell Identity Value is present in Rel-4 and onwards implementations, the values of the two bytes shall not be verified

CALL CONTROL RESULT 1.5.1

Logically:

Call control result: '01' = not Allowed

Coding:

BER-TLV: 01 00

TERMINAL RESPONSE: SET UP CALL 1.5.1

Logically:

Command details

Command number: 1

Command type: SET UP CALL

Command qualifier: Only if not currently busy on another call

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Interaction with call control by USIM or MO short message control by USIM,

permanent problem

Additional information: Action not allowed

Coding:

| BER-TLV: | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 82 | 81 | 83 | 02 | 39 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 01 | | | | | | | | | | | |

Expected Sequence 1.6 (CALL CONTROL BY USIM, set up call attempt by user, allowed with modifications)

| Step | Direction | Message / Action | Comments |
|------|-----------------------|----------------------------|---------------------------------------|
| 1 | $User \rightarrow ME$ | Set up a call to | |
| | | "+01234567890123456789" | |
| 2 | $ME \rightarrow UICC$ | ENVELOPE CALL CONTROL | [Option A shall apply for GERAN/UTRAN |
| | | 1.6.1 A | parameters] |
| | | or | [Option B shall apply for PCS1900 |
| | | ENVELOPE CALL CONTROL | parameters] |
| | | 1.6.1B | |
| 3 | $UICC \to ME$ | CALL CONTROL RESULT 1.6.1 | [Call control result: "Allowed with |
| | | | modifications",] |
| 4 | $ME \rightarrow USS$ | The ME sets up the call to | |
| | | "+010203" | |

ENVELOPE CALL CONTROL 1.6.1A

Logically:

Device identities

Source device: ME
Destination device: UICC

Address

TON: International

NPI: "ISDN / telephone numbering plan" or "unknown"

Dialling number string "01234567890123456789"

Capability configuration parameters 1

This parameter is optional. If present, the contents shall not be checked.

Subaddress

This parameter is optional. If present, the contents shall not be checked.

Location Information

MCC & MNC the mobile country and network code (00F110)

LAC the location Area Code (0001)
Cell ID Cell Identity Value (0001)

Extended Cell ID RNC-id value (for Rel-4 onwards), see also Note 6

Capability configuration parameters 2

This parameter is optional. If present, the contents shall not be checked.

Coding:

| BER-TLV: | D4 | Note 1 | 82 | 02 | 82 | 81 | 86 | 0B | 91 | 10 | 32 | 54 |
|----------|----|--------|----|----|----|----|--------|--------|--------|----|--------|----|
| | 76 | 98 | 10 | 32 | 54 | 76 | 98 | Note 2 | Note 3 | 13 | Note 5 | 00 |
| | F1 | 10 | 00 | 01 | 00 | 01 | Note 6 | Note 4 | | | | |

ENVELOPE CALL CONTROL 1.6.1B

Logically:

Device identities

Source device: ME
Destination device: UICC

Address

TON: International

NPI: "ISDN / telephone numbering plan" or "unknown"

Dialling number string "01234567890123456789"

Capability configuration parameters 1

This parameter is optional. If present, the contents shall not be checked.

Subaddress

This parameter is optional. If present, the contents shall not be checked.

Location Information

MCC & MNC the mobile country and network code (001110)

LAC the location Area Code (0001)
Cell ID Cell Identity Value (0001)

Capability configuration parameters 2

This parameter is optional. If present, the contents shall not be checked.

Coding:

| BER-TLV: | D4 | Note 1 | 82 | 02 | 82 | 81 | 86 | 0B | 91 | 10 | 32 | 54 |
|----------|----|--------|----|----|----|----|--------|--------|--------|----|----|----|
| | 76 | 98 | 10 | 32 | 54 | 76 | 98 | Note 2 | Note 3 | 13 | 07 | 00 |
| | 11 | 10 | 00 | 01 | 00 | 01 | Note 4 | | | | | |

Note 1: Length of BER-TLV is '1A' plus the actual length of all the present optional SIMPLE-TLV data objects.

Note 2: Capability configuration parameters 1 may be present at this place. If present, it may take up several octets.

Note 3: Subaddress may be present at this place. If present, it may take up several octets.

Note 4: Capability configuration parameters 2 may be present at this place. If present, it may take up several octets.

Note 5: Depending on the presence of the Extended Cell Identity Value the length is '07' or '09'

Note 6: The Extended Cell Identity Value is present in Rel-4 and onwards implementations, the values of the two bytes shall not be verified.

CALL CONTROL RESULT 1.6.1

Logically:

Call control result: '02' = Allowed with modifications

Address

TON: International

NPI: "ISDN / telephone numbering plan" or "unknown"

Dialling number string "010203"

Coding:

| BER-TLV: | 02 | 06 | 86 | 04 | 91 | 10 | 20 | 30 |
|----------|----|----|----|----|----|----|----|----|

Expected Sequence 1.7A (CALL CONTROL BY USIM, set up call attempt resulting from a set up call proactive command, allowed with modifications)

| Step | Direction | Message / Action | Comments |
|------|---------------|---|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND: SET | [This test applies to MEs asking for user |
| | | UP CALL 1.7.1 PENDING | confirmation before sending the ENVELOPE CALL CONTROL command] |
| 2 | ME→UICC | FETCH | ENVELOPE GALL CONTROL COmmand |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SET | [Set up call to "+012340123456"] |
| 4 | $ME \to USER$ | UP CALL 1.7.1 ME displays "+012340123456" during user confirmation phase. | |
| 5 | $USER \to ME$ | The user confirms the call set up | [user confirmation] |
| 6 | $ME \to UICC$ | ENVELOPE CALL CONTROL 1.7.1A | [Option A shall apply for GERAN/UTRAN parameters] |
| | | or ENVELOPE CALL CONTROL 1.7.1B | [Option B shall apply for PCS1900 parameters] |
| 7 | $UICC \to ME$ | CALL CONTROL RESULT 1.7.1 | [Call control result: "Allowed with modifications"] |
| 8 | $ME \to USS$ | The ME sets up the call to "+011111111111" | |
| 9 | $ME \to UICC$ | TERMINAL RESPONSE: SET UP CALL 1.7.1 | [command performed successfully] |

Expected Sequence 1.7 B (CALL CONTROL BY USIM, set up call attempt resulting from a set up call proactive command, allowed with modifications)

| Step | Direction | Message / Action | Comments |
|------|-----------------------|---|---|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP CALL 1.7.1 PENDING | [This test applies to MEs asking for user confirmation after sending the ENVELOPE CALL CONTROL command] |
| 2 | ME→UICC | FETCH | • |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP CALL 1.7.1 | [Set up call to "+012340123456"] |
| 4 | $ME \to UICC$ | ENVELOPE CALL CONTROL 1.7.1A | [Option A shall apply for GERAN/UTRAN parameters] |
| | | or ENVELOPE CALL CONTROL 1.7.1B | [Option B shall apply for PCS1900 parameters] |
| 5 | $UICC \to ME$ | CALL CONTROL RESULT 1.7.1 | [Call control result: "Allowed with modifications"] |
| 6 | $ME \to USER$ | ME displays "+012340123456" during user confirmation phase. | |
| 7 | $USER \to ME$ | The user confirms the call set up | [user confirmation] |
| 8 | $ME \to USS$ | The ME sets up the call to "+0111111111111" | [call is set up to modified address] |
| 9 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SET UP CALL 1.7.1 | [command performed successfully] |

PROACTIVE COMMAND: SET UP CALL 1.7.1

Logically:

Command details

Command number:

Command type: SET UP CALL

Command qualifier: Only if not currently busy on another call

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: '+012340123456"

Address

TON: International

NPI: "ISDN / telephone numbering plan" or "unknown"

Dialling number string "012340123456"

Coding:

| BER-TLV: | D0 | 21 | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 81 | 83 |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| | 05 | 0D | 2B | 30 | 31 | 32 | 33 | 34 | 30 | 31 | 32 |
| | 33 | 34 | 35 | 36 | 86 | 07 | 91 | 10 | 32 | 04 | 21 |
| | 43 | 65 | | | | | | | | | |

ENVELOPE CALL CONTROL 1.7.1A

Logically:

Device identities

Source device: ME
Destination device: UICC

Address

TON: International

NPI: "ISDN / telephone numbering plan" or "unknown"

Dialling number string "012340123456"

Capability configuration parameters 1

This parameter is optional. If present, the contents shall not be checked.

Subaddress

This parameter is optional. If present, the contents shall not be checked.

Location Information

MCC & MNC the mobile country and network code (00F110)

LAC the location Area Code (0001)
Cell ID Cell Identity Value (0001)

Extended Cell ID RNC-id value (for Rel-4 onwards), see also Note 6

Capability configuration parameters 2

This parameter is optional. If present, the contents shall not be checked.

Coding:

| BER-TLV: | D4 | Note 1 | 02 | 02 | 82 | 81 | 06 | 07 | 91 | 10 | 32 |
|----------|----|--------|----|----|--------|--------|----|--------|----|----|----|
| | 04 | 21 | 43 | 65 | Note 2 | Note 3 | 13 | Note 5 | 00 | F1 | 10 |
| | 00 | 01 | 00 | 01 | Note 6 | Note 4 | | | | | |

ENVELOPE CALL CONTROL 1.7.1B

Logically:

Device identities

Source device: ME
Destination device: UICC

Address

TON: International

NPI: "ISDN / telephone numbering plan" or "unknown"

Dialling number string "012340123456"

Capability configuration parameters 1

This parameter is optional. If present, the contents shall not be checked.

Subaddress

This parameter is optional. If present, the contents shall not be checked.

Location Information

MCC & MNC the mobile country and network code (001110)

LAC the location Area Code (0001)
Cell ID Cell Identity Value (0001)

Capability configuration parameters 2

This parameter is optional. If present, the contents shall not be checked.

Coding:

| BER-TLV: | D4 | Note 1 | 02 | 02 | 82 | 81 | 06 | 07 | 91 | 10 | 32 |
|----------|----|--------|----|----|--------|--------|----|----|----|----|----|
| - | 04 | 21 | 43 | 65 | Note 2 | Note 3 | 13 | 07 | 00 | 11 | 10 |
| | 00 | 01 | 00 | 01 | Note 4 | | | | | | |

Note 1: Length of BER-TLV is '16' plus the actual length of all the present optional SIMPLE-TLV data objects.

Note 2: Capability configuration parameters 1 may be present at this place. If present, it may take up several octets.

Note 3: Subaddress may be present at this place. If present, it may take up several octets.

Note 4: Capability configuration parameters 2 may be present at this place. If present, it may take up several octets.

Note 5: Depending on the presence of the Extended Cell Identity Value the length is '07' or '09'

Note 6: The Extended Cell Identity Value is present in Rel-4 and onwards implementations, the values of the two bytes shall not be verified.

CALL CONTROL RESULT 1.7.1

Logically:

Call control result: '02' = Allowed with modifications

Address

TON: International

NPI: "ISDN / telephone numbering plan" or "unknown"

Dialling number string "01111111111"

Coding:

| BER-TLV: | 02 | 09 | 86 | 07 | 91 | 10 | 11 | 11 | 11 | 11 | 11 |
|----------|----|----|----|----|----------|----|----|----|----|----|----|
| D | | 00 | 00 | 0. | . | | | | | | |

TERMINAL RESPONSE: SET UP CALL 1.7.1

Logically:

Command details

Command number: 1

Command type: SET UP CALL

Command qualifier: Only if not currently busy on another call

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 | |
|---------|----|----|----|----|----|----|----|----|----|----|----|----|--|
|---------|----|----|----|----|----|----|----|----|----|----|----|----|--|

Expected Sequence 1.8 (CALL CONTROL BY USIM, set up call attempt by user, allowed with modifications: emergency call)

| Step | Direction | Message / Action | Comments |
|------|-----------------------|-----------------------------------|---------------------------------------|
| 1 | | Set up a call to | |
| | | "+01234567890123456789" | |
| 2 | $ME \rightarrow UICC$ | ENVELOPE CALL CONTROL 1.8.1A | [Option A shall apply for GERAN/UTRAN |
| | | or | parameters] |
| | | ENVELOPE CALL CONTROL 1.8.1B | [Option B shall apply for PCS1900 |
| | | | parameters |
| 3 | $UICC \to ME$ | CALL CONTROL RESULT 1.8.1 | [Call control result: "Allowed with |
| | | | modifications"] |
| 4 | $ME \rightarrow USS$ | The ME sets up an emergency call; | |

ENVELOPE CALL CONTROL 1.8.1A

Logically:

Device identities

Source device: ME
Destination device: UICC

Address

TON: International

NPI: "ISDN / telephone numbering plan" or "unknown"

Dialling number string "01234567890123456789"

Capability configuration parameters 1

This parameter is optional. If present, the contents shall not be checked.

Subaddress

This parameter is optional. If present, the contents shall not be checked.

Location Information

MCC & MNC the mobile country and network code (00F110)

LAC the location Area Code (0001)
Cell ID Cell Identity Value (0001)

Extended Cell ID RNC-id value (for Rel-4 onwards), see also Note 6

Capability configuration parameters 2

This parameter is optional. If present, the contents shall not be checked.

Coding:

| BER-TLV: | D4 | Note 1 | 82 | 02 | 82 | 81 | 86 | 0B | 91 | 10 | 32 | 54 |
|----------|----|--------|----|----|----|----|--------|--------|--------|----|--------|----|
| | 76 | 98 | 10 | 32 | 54 | 76 | 98 | Note 2 | Note 3 | 13 | Note 5 | 00 |
| | F1 | 10 | 00 | 01 | 00 | 01 | Note 6 | Note 4 | | | | |

ENVELOPE CALL CONTROL 1.8.1B

Logically:

Device identities

Source device: ME
Destination device: UICC

Address

TON: International

NPI: "ISDN / telephone numbering plan" or "unknown"

Dialling number string "01234567890123456789"

Capability configuration parameters 1

This parameter is optional. If present, the contents shall not be checked.

Subaddress

This parameter is optional. If present, the contents shall not be checked.

Location Information

MCC & MNC the mobile country and network code (001110)

LAC the location Area Code (0001)
Cell ID Cell Identity Value (0001)

Capability configuration parameters 2

This parameter is optional. If present, the contents shall not be checked.

Coding:

| BER-TLV: | D4 | Note 1 | 82 | 02 | 82 | 81 | 86 | 0B | 91 | 10 | 32 | 54 |
|----------|----|--------|----|----|----|----|--------|--------|--------|----|----|----|
| | 76 | 98 | 10 | 32 | 54 | 76 | 98 | Note 2 | Note 3 | 13 | 07 | 00 |
| | 11 | 10 | 00 | 01 | 00 | 01 | Note 4 | | | | | |

- Note 1: Length of BER-TLV is '1A' plus the actual length of all the present optional SIMPLE-TLV data objects.
- Note 2: Capability configuration parameters 1 may be present at this place. If present, it may take up several octets.
- Note 3: Subaddress may be present at this place. If present, it may take up several octets.
- Note 4: Capability configuration parameters 2 may be present at this place. If present, it may take up several octets.
- Note 5: Depending on the presence of the Extended Cell Identity Value the length is '07' or '09'

Note 6: The Extended Cell Identity Value is present in Rel-4 and onwards implementations, the values of the two bytes shall not be verified.

CALL CONTROL RESULT 1.8.1

Logically:

Call control result Allowed, with modification

Address

TON Unknown

NPI "ISDN / telephone numbering plan"

Address value "112"

Coding:

| BER-TLV: 02 05 86 03 81 11 F2 |
|---|
|---|

Expected Sequence 1.9 (CALL CONTROL BY USIM, set up call attempt by user, allowed with modifications: number in EF_{ECC})

| Step | Direction | Message / Action | Comments |
|------|-----------------------|--------------------------------------|---------------------------------------|
| 1 | $User \to ME$ | Set up a call to | |
| | | "+01234567890123456789" | |
| 2 | $ME \rightarrow UICC$ | ENVELOPE CALL CONTROL 1.9.1A | [Option A shall apply for GERAN/UTRAN |
| | | | parameters] |
| | | ENVELOPE CALL CONTROL 1.9.1B | [Option B shall apply for PCS1900 |
| | | | parameters] |
| 3 | $UICC \to ME$ | CALL CONTROL RESULT 1.9.1 | [Call control result: "Allowed with |
| | | | modifications"] |
| 4 | $ME \to USS$ | The ME sets up call with the dialled | |
| | | digits "1020". The ME does not set | |
| | | up an emergency call, but sets up a | |
| | | normal call | |

ENVELOPE CALL CONTROL 1.9.1A

Logically:

Device identities

Source device: ME
Destination device: UICC

Address

TON: International

NPI: "ISDN / telephone numbering plan" or "unknown"

Dialling number string "01234567890123456789"

Capability configuration parameters 1

This parameter is optional. If present, the contents shall not be checked.

Subaddress

This parameter is optional. If present, the contents shall not be checked.

Location Information

MCC & MNC the mobile country and network code (00F110)

LAC the location Area Code (0001)
Cell ID Cell Identity Value (0001)

Extended Cell ID RNC-id value (for Rel-4 onwards), see also Note 6

Capability configuration parameters 2

This parameter is optional. If present, the contents shall not be checked.

Coding:

| BER-TLV: | D4 | Note 1 | 82 | 02 | 82 | 81 | 86 | 0B | 91 | 10 | 32 | 54 |
|----------|----|--------|----|----|----|----|--------|--------|--------|----|--------|----|
| | 76 | 98 | 10 | 32 | 54 | 76 | 98 | Note 2 | Note 3 | 13 | Note 5 | 00 |
| | F1 | 10 | 00 | 01 | 00 | 01 | Note 6 | Note 4 | | | | |

ENVELOPE CALL CONTROL 1.9.1B

Logically:

Device identities

Source device: ME
Destination device: UICC

Address

TON: International

NPI: "ISDN / telephone numbering plan" or "unknown"

Dialling number string "01234567890123456789"

Capability configuration parameters 1

This parameter is optional. If present, the contents shall not be checked.

Subaddress

This parameter is optional. If present, the contents shall not be checked.

Location Information

MCC & MNC the mobile country and network code (001110)

LAC the location Area Code (0001)
Cell ID Cell Identity Value (0001)

Capability configuration parameters 2

This parameter is optional. If present, the contents shall not be checked.

Coding:

| BER-TLV: | D4 | Note 1 | 82 | 02 | 82 | 81 | 86 | 0B | 91 | 10 | 32 | 54 |
|----------|----|--------|----|----|----|----|--------|--------|--------|----|----|----|
| | 76 | 98 | 10 | 32 | 54 | 76 | 98 | Note 2 | Note 3 | 13 | 07 | 00 |
| | 11 | 10 | 00 | 01 | 00 | 01 | Note 4 | | | | | |

Note 1: Length of BER-TLV is '1A' plus the actual length of all the present optional SIMPLE-TLV data objects.

Note 2: Capability configuration parameters 1 may be present at this place. If present, it may take up several octets.

Note 3: Subaddress may be present at this place. If present, it may take up several octets.

Note 4: Capability configuration parameters 2 may be present at this place. If present, it may take up several octets.

Note 5: Depending on the presence of the Extended Cell Identity Value the length is '07' or '09'

Note 6: The Extended Cell Identity Value is present in Rel-4 and onwards implementations, the values of the two bytes shall not be verified.

CALL CONTROL RESULT 1.9.1

Logically:

Call control result Allowed, with modification

Address

TON Unknown

NPI "ISDN / telephone numbering plan"

Address value "1020"

Coding:

| BER-TLV: | 02 | 05 | 86 | 03 | 81 | 01 | 02 |
|----------|----|----|----|----|----|----|----|

Expected Sequence 1.10 (CALL CONTROL BY USIM , set up call attempt by user to an emergency call)

| Step | Direction | Message / Action | Comments |
|------|-----------------------|-----------------------------|----------|
| 1 | $User \rightarrow ME$ | Set up a call to "112" | |
| 2 | $ME \rightarrow UICC$ | The ME does not send any | |
| | | ENVELOPE CALL CONTROL | |
| 3 | $ME \rightarrow USS$ | The ME sets up an emergency | |
| | 1 | call | |

Expected Sequence 1.11 (CALL CONTROL BY USIM , set up call through call register, the USIM responds with '90 00')

Pre-condition: the ME has a mean to register the last dialled number(s), and the ME will store dialled numbers allowed by call control in its register.

| Step | Direction | Message / Action | Comments |
|------|-----------------------|---------------------------------|--|
| 1 | $User \to ME$ | Set up a call to | |
| | | "+01234567890123456789" | |
| 2 | $ME \to UICC$ | ENVELOPE CALL CONTROL | [Option A shall apply for GERAN/UTRAN |
| | | 1.1.1A | parameters] |
| | | or | [Option B shall apply for PCS1900 |
| | | ENVELOPE CALL CONTROL | parameters] |
| | | 1.1.1B | |
| 3 | $UICC \to ME$ | 90 00 | |
| 4 | $ME \to USS$ | The ME sets up the call without | [Set up call to "+01234567890123456789"] |
| | | modification | |
| 5 | $USER \to ME$ | End Call. | |
| 6 | $USER \to ME$ | Recall the last dialled number | |
| 7 | $ME \rightarrow UICC$ | ENVELOPE CALL CONTROL | [Option A shall apply for GERAN/UTRAN |
| | | 1.1.1A | parameters] |
| | | or | [Option B shall apply for PCS1900 |
| | | ENVELOPE CALL CONTROL | parameters] |
| | | 1.1.1B | |
| 8 | $UICC \to ME$ | 90 00 | |
| 9 | $ME \to USS$ | The ME sets up the call without | [Set up call to "+01234567890123456789"] |
| | | modification | |
| 10 | $USER \to ME$ | End Call. | |

Expected Sequence 1.12 (CALL CONTROL BY USIM, set up call through call register, allowed without modification)

Pre-condition: the ME has a mean to register the last dialled number(s), and the ME will store dialled numbers allowed by call control in its register.

| Step | Direction | Message / Action | Comments |
|------|-----------------------|--|---|
| 1 | $User \to ME$ | Set up a call to "+01234567890123456789" | |
| 2 | $ME \rightarrow UICC$ | ENVELOPE CALL CONTROL 1.2.1A or ENVELOPE CALL CONTROL 1.2.1B | [Option A shall apply for GERAN/UTRAN parameters] [Option B shall apply for PCS1900 parameters] |
| 3 | $UICC \to ME$ | CALL CONTROL RESULT 1.2.1 | [Call control result: "Allowed, no modification"] |
| 4 | $ME \to USS$ | The ME sets up the call without modification | [Set up call to "+01234567890123456789"] |
| 5 | $User \to ME$ | End the call then call the last dialled number | |
| 6 | ME → UICC | ENVELOPE CALL CONTROL 1.2.1A or ENVELOPE CALL CONTROL 1.2.1B | [Option A shall apply for GERAN/UTRAN parameters] [Option B shall apply for PCS1900 parameters] |
| 7 | $UICC \to ME$ | CALL CONTROL RESULT 1.2.1 | |
| 8 | $ME \rightarrow USS$ | The ME sets up the call without modification | [Set up call to "+01234567890123456789"] |

Expected Sequence 1.13 (CALL CONTROL BY USIM, set up call through call register, not allowed)

Pre-condition: the ME has a mean to register the last dialled number(s), and the ME will store dialled numbers not allowed by call control in its register.

| Step | Direction | Message / Action | Comments |
|------|-----------------------|---------------------------------|---------------------------------------|
| 1 | $User \to ME$ | Set up a call to | |
| | | "+01234567890123456789" | |
| 2 | $ME \rightarrow UICC$ | ENVELOPE CALL CONTROL | Option A shall apply for GERAN/UTRAN |
| | | 1.4.1A | parameters] |
| | | or | [Option B shall apply for PCS1900 |
| | | ENVELOPE CALL CONTROL | parameters] |
| | | 1.4.1B | |
| 3 | $UICC \to ME$ | CALL CONTROL RESULT 1.4.1 | [Call control result: "not Allowed"] |
| 4 | $ME \to USS$ | The ME does not set up the call | |
| 5 | $User \rightarrow ME$ | The user calls the last dialled | |
| | | number | |
| 6 | $ME \rightarrow UICC$ | ENVELOPE CALL CONTROL | [Option A shall apply for GERAN/UTRAN |
| | | 1.4.1A | parameters] |
| | | or | [Option B shall apply for PCS1900 |
| | | ENVELOPE CALL CONTROL | parameters] |
| | | 1.4.1B | |
| 7 | $UICC \to ME$ | CALL CONTROL RESULT 1.4.1 | [Call control result: "not Allowed"] |
| 8 | $ME \rightarrow USS$ | The ME does not set up the call | |

Expected Sequence 1.14 (CALL CONTROL BY USIM, set up call through call register, allowed with modifications)

Pre-condition: the ME has a mean to register the last dialled number(s), and the ME will store dialled numbers allowed with modification by call control in its register.

| Step | Direction | Message / Action | Comments |
|------|-----------------------|--|---|
| 1 | $User \to ME$ | Set up a call to "+01234567890123456789" | |
| 2 | $ME \rightarrow UICC$ | ENVELOPE CALL CONTROL 1.6.1A or ENVELOPE CALL CONTROL | [Option A shall apply for GERAN/UTRAN parameters] [Option B shall apply for PCS1900 parameters] |
| | | 1.6.1B | |
| 3 | $UICC \to ME$ | CALL CONTROL RESULT 1.6.1 | [Call control result: "Allowed with modifications"] |
| 4 | $ME \to USS$ | The ME sets up the call to "+010203" | |
| 5 | $User \to ME$ | End call and then set up a call to "+01234567890123456789" | |
| 6 | $ME \to UICC$ | ENVELOPE CALL CONTROL 1.6.1A | [Option A shall apply for GERAN/UTRAN |
| | | | parameters] |
| | | Of | [Option B shall apply for PCS1900 |
| | | ENVELOPE CALL CONTROL 1.6.1B | parameters] |
| 7 | $UICC \to ME$ | CALL CONTROL RESULT 1.6.1 | [Call control result: "Allowed with modifications"] |
| 8 | $ME \rightarrow USS$ | The ME sets up the call to "+010203" | |

27.22.6.1.5 Test requirement

The ME shall operate in the manner defined in expected sequences 1.1 to 1.14.

27.22.6.2 Procedure for Supplementary (SS) Services

27.22.6.2.1 Definition and applicability

See clause 3.2.2.

27.22.6.2.2 Conformance requirement

The ME shall support the CALL CONTROL facility as defined in the following technical specifications:

- TS 31.111 [15] clause 7.3.1.2.

27.22.6.2.3 Test purpose

To verify that the ME first pass the supplementary service control string corresponding to the supplementary service operation to the USIM, using the ENVELOPE (CALL CONTROL) command.

To verify that, if the UICC responds with '90 00', the ME shall send the supplementary service operation with the information as sent to the UICC.

To verify that, if the UICC returns response data, the ME shall use the response data appropriately to send the supplementary service operation as proposed, not send the SS operation, or instead send the USS operation using the data supplied by the UICC.

27.22.6.2.4 Method of tests

27.22.6.2.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The elementary files are coded as USIM Application Toolkit default with the following exception:

The call control service is available in the USIM Service Table.

The GERAN/UTRAN parameters of the system simulator are:

- Mobile Country Code (MCC) = 001;
- Mobile Network Code (MNC) = 01;
- Location Area Code (LAC) = 0001;
- Cell Identity value = 0001.

The PCS 1900 parameters of the system simulator are:

- Mobile Country Code (MCC) = 001;
- Mobile Network Code (MNC) = 011;
- Location Area Code (LAC) = 0001;
- Cell Identity value = 0001.

27.22.6.2.4.2 Procedure

Expected Sequence 2.1 (CALL CONTROL BY USIM, send SS, the USIM responds with '90 00')

| Step | Direction | Message / Action | Comments |
|------|-----------------------|--------------------------------------|---|
| 1 | $User \rightarrow ME$ | The user selects the facility of the | |
| | | ME which requires an | |
| | | unconditional call forward | |
| | | supplementary service operation | |
| | | to be sent to the network (System | |
| | | Simulator). | |
| 2 | $ME \rightarrow UICC$ | ENVELOPE CALL CONTROL | [Option A shall apply for GERAN/UTRAN |
| | | 2.1.1A | parameters] |
| | | or | Option B shall apply for PCS1900 |
| | | ENVELOPE CALL CONTROL | parameters |
| | | 2.1.1B | ľ · |
| 3 | $UICC \to ME$ | 90 00 | |
| 4 | ME → USS | REGISTER 2.1A | [The ME sends the supplementary |
| | / 555 | or | service operation with the information as |
| | | REGISTER 2.1B | sent to the UICC1 |
| 5 | USS → ME | RELEASE COMPLETE (SS | |
| | | RETURN RESULT) 2.1 | |

ENVELOPE CALL CONTROL 2.1.1A

Logically:

Device identities

Source device: ME
Destination device: UICC

SS String

TON/NPI: "FF"
Dialling number string "*21**10#"

Location Information

MCC & MNC the mobile country and network code (00F110)

LAC the location Area Code (0001)
Cell ID Cell Identity Value (0001)

Extended Cell ID RNC-id value (for Rel-4 onwards), see also Note 3

Coding:

| BER-TLV: | D4 | Note1 | 82 | 02 | 82 | 81 | 89 | 05 | FF | 2A | A1 | 1A |
|----------|----|-------|--------|----|----|----|----|----|----|----|--------|----|
| | B0 | 13 | Note 2 | 00 | F1 | 10 | 00 | 01 | 00 | 01 | Note 3 | |

Note 1: Length of BER-TLV is '14' plus the actual length of all the present optional SIMPLE-TLV data objects

Note 2: Depending on the presence of the Extended Cell Identity Value the length is '07' or '09'

Note 3: The Extended Cell Identity Value is present in Rel-4 and onwards implementations, the values of the two bytes shall not be verified.

ENVELOPE CALL CONTROL 2.1.1B

Logically:

Device identities

Source device: ME
Destination device: UICC

SS String

TON/NPI: "FF"
Dialling number string "*21**10#"

Location Information

MCC & MNC the mobile country and network code (001110)

LAC the location Area Code (0001)
Cell ID Cell Identity Value (0001)

Coding:

| BER-TLV: | D4 | 14 | 82 | 02 | 82 | 81 | 89 | 05 | FF | 2A | A1 | 1A |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | B0 | 13 | 07 | 00 | 11 | 10 | 00 | 01 | 00 | 01 | | |

REGISTER 2.1A

Logically (only SS argument):

ACTIVATE SS ARGUMENT

SS-Code:

- Call Forwarding Unconditional

TeleserviceCode

- All Tele Services

Coding:

| Coding | 30 | 06 | 04 | 01 | 21 | 83 | 01 | 00 | | |
|--------|----|----|----|----|----|----|----|----|--|--|

REGISTER 2.1B

Logically (only SS argument):

ACTIVATE SS ARGUMENT

SS-Code:

- Call Forwarding Unconditional

TeleserviceCode

- All Tele Services

LongFTN Supported

Coding:

| Coding | 30 | 08 | 04 | 01 | 21 | 83 | 01 | 00 | 84 | 00 | |
|--------|----|----|----|----|----|----|----|----|----|----|--|

RELEASE COMPLETE (SS RETURN RESULT) 2.1

Logically (only from operation code):

ACTIVATE SS RETURN RESULT

ForwardingInfo

SS-Code

- Call Forwarding Unconditional

ForwardFeatureList

ForwardingFeature

TeleserviceCode

- All Tele Services

SS-Status

- state ind.: operative

- provision ind.: provisioned

- registration ind.: registered

- activation ind.: active

Coding:

| Coding | 0C | A0 | 0D | 04 | 01 | 21 | 30 | 80 | 30 | 06 | 83 | 01 |
|--------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | 84 | 01 | 07 | | | | | | | | |

Expected Sequence 2.2 (CALL CONTROL BY USIM, send SS, allowed without modifications)

| Step | Direction | Message / Action | Comments |
|------|--------------------------|--------------------------------------|---|
| 1 | $User \to ME$ | The user selects the facility of the | |
| | | ME which requires an | |
| | | unconditional call forward | |
| | | supplementary service operation | |
| | | to be sent to the network (System | |
| | | Simulator). | |
| 2 | $ME \rightarrow UICC$ | ENVELOPE CALL CONTROL | [Option A shall apply for GERAN/UTRAN |
| | | 2.2.1A | parameters] |
| | | or | [Option B shall apply for PCS1900 |
| | | ENVELOPE CALL CONTROL | parameters] |
| | | 2.2.1B | |
| 3 | $UICC \to ME$ | CALL CONTROL RESULT 2.2.1 | [Call control result: "Allowed without |
| 1 | ME LIGO | DECICTED 2.4A | modifications"] |
| 4 | $ME \rightarrow 055$ | REGISTER 2.1A | The ME sends the supplementary service |
| | | or | operation with the information as sent to |
| 1 _ | | REGISTER 2.1B | the UICC |
| 5 | $ $ USS \rightarrow ME | RELEASE COMPLETE (SS | |
| | | RETURN RESULT) 2.1 | |

ENVELOPE CALL CONTROL 2.2.1A

Logically:

Device identities

Source device: ME
Destination device: UICC

SS String

TON/NPI: "FF"

Dialling number string "*21**10#"

Location Information

MCC & MNC the mobile country and network code (00F110)

LAC the location Area Code (0001)
Cell ID Cell Identity Value (0001)

Extended Cell ID RNC-id value (for Rel-4 onwards), see also Note 3

Coding:

| BER-TLV: | D4 | Note 1 | 82 | 02 | 82 | 81 | 89 | 05 | FF | 2A | A1 | 1A |
|----------|----|--------|--------|----|----|----|----|----|----|----|--------|----|
| | B0 | 13 | Note 2 | 00 | F1 | 10 | 00 | 01 | 00 | 01 | Note 3 | |

Note 1: Length of BER-TLV is '14' plus the actual length of all the present optional SIMPLE-TLV data objects

Note 2: Depending on the presence of the Extended Cell Identity Value the length is '07' or '09'

Note 3: The Extended Cell Identity Value is present in Rel-4 and onwards implementations, the values of the two bytes shall not be verified.

ENVELOPE CALL CONTROL 2.2.1B

Logically:

Device identities

Source device: ME
Destination device: UICC

SS String

TON/NPI: "FF"

Dialling number string "*21**10#"

Location Information

MCC & MNC the mobile country and network code (001110)

LAC the location Area Code (0001)
Cell ID Cell Identity Value (0001)

Coding:

| BER-TLV: | D4 | 14 | 82 | 02 | 82 | 81 | 89 | 05 | FF | 2A | A1 | 1A |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | B0 | 13 | 07 | 00 | 11 | 10 | 00 | 01 | 00 | 01 | | |

CALL CONTROL RESULT 2.2.1

Logically:

Call control result Allowed, no modifications

Coding:

BER-TLV: 00 00

Expected Sequence 2.3 (CALL CONTROL BY USIM, send SS, not allowed)

| Step | Direction | Message / Action | Comments |
|------|-----------------------|--------------------------------------|---------------------------------------|
| 1 | $User \to ME$ | The user selects the facility of the | |
| | | ME which requires an | |
| | | unconditional call forward | |
| | | supplementary service operation | |
| | | to be sent to the network (System | |
| | | Simulator). | |
| 2 | $ME \rightarrow UICC$ | ENVELOPE CALL CONTROL | [Option A shall apply for GERAN/UTRAN |
| | | 2.3.1A | parameters] |
| | | or | [Option B shall apply for PCS1900 |
| | | ENVELOPE CALL CONTROL | parameters] |
| | | 2.3.1B | |
| 3 | | CALL CONTROL RESULT 2.3.1 | [Call control result: "Not Allowed"] |
| 4 | $ME \rightarrow USS$ | The ME does not send the | |
| | | supplementary service operation | |

ENVELOPE CALL CONTROL 2.3.1A

Logically:

Device identities

Source device: ME
Destination device: UICC

SS String

TON/NPI: "FF" Dialling number string "*21#"

Location Information

MCC & MNC the mobile country and network code (00F110)

LAC the location Area Code (0001)
Cell ID Cell Identity Value (0001)

Extended Cell ID RNC-id value (for Rel-4 onwards), see also Note 3

Coding:

| BER-TLV: | D4 | Note 1 | 82 | 02 | 82 | 81 | 89 | 03 | FF | 2A | B1 | 13 |
|----------|--------|--------|----|----|----|----|----|----|--------|----|----|----|
| | Note 2 | 00 | F1 | 10 | 00 | 01 | 00 | 01 | Note 3 | | | |

Note 1: Length of BER-TLV is '12' plus the actual length of all the present optional SIMPLE-TLV data objects

Note 2: Depending on the presence of the Extended Cell Identity Value the length is '07' or '09'

Note 3: The Extended Cell Identity Value is present in Rel-4 and onwards implementations, the values of the two bytes shall not be verified.

ENVELOPE CALL CONTROL 2.3.1B

Logically:

Device identities

Source device: ME
Destination device: UICC

SS String

TON/NPI: "FF"
Dialling number string "*21#"

Location Information

MCC & MNC the mobile country and network code (001110)

LAC the location Area Code (0001)
Cell ID Cell Identity Value (0001)

Coding:

| BER-TLV: | D4 | 12 | 82 | 02 | 82 | 81 | 89 | 03 | FF | 2A | B1 | 13 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 07 | 00 | 11 | 10 | 00 | 01 | 00 | 01 | | | | |

CALL CONTROL RESULT 2.3.1

Logically:

Call control result Not Allowed

Coding:

BER-TLV: 01 00

Expected Sequence 2.4 (CALL CONTROL BY USIM, send SS, allowed with modifications)

| Step | Direction | Message / Action | Comments |
|------|-----------------------|--------------------------------------|---|
| 1 | $User \to ME$ | The user selects the facility of the | |
| | | ME which requires an | |
| | | unconditional call forward | |
| | | supplementary service operation | |
| | | to be sent to the network (System | |
| | | Simulator). | |
| 2 | $ME \rightarrow UICC$ | ENVELOPE CALL CONTROL | [Option A shall apply for GERAN/UTRAN |
| | | 2.4.1A | parameters] |
| | | or | [Option B shall apply for PCS1900 |
| | | ENVELOPE CALL CONTROL | parameters] |
| | | 2.4.1B | |
| 3 | $UICC \to ME$ | CALL CONTROL RESULT 2.4.1 | [Call control result: "Allowed with modifications"] |
| 4 | $ME \to USS$ | REGISTER 2.4A | The ME sends the supplementary |
| | | or | service operation with the information as |
| | | REGISTER 2.4B | sent by the UICC] |
| 5 | $USS \to ME$ | RELEASE COMPLETE (SS | |
| | | RETURN RESULT) 2.4 | |

ENVELOPE CALL CONTROL 2.4.1A

Logically:

Device identities

Source device: ME
Destination device: UICC

SS String

TON/NPI: "FF" Dialling number string "*21#"

Location Information

MCC & MNC the mobile country and network code (00F110)

LAC the location Area Code (0001)
Cell ID Cell Identity Value (0001)

Extended Cell ID RNC-id value (for Rel-4 onwards), see also Note 3

Coding:

| BER-TLV: | D4 | Note 1 | 82 | 02 | 82 | 81 | 89 | 03 | FF | 2A | B1 | 13 |
|----------|--------|--------|----|----|----|----|----|----|--------|----|----|----|
| | Note 2 | 00 | F1 | 10 | 00 | 01 | 00 | 01 | Note 3 | | | |

Note 1: Length of BER-TLV is '12' plus the actual length of all the present optional SIMPLE-TLV data objects

Note 2: Depending on the presence of the Extended Cell Identity Value the length is '07' or '09'

Note 3: The Extended Cell Identity Value is present in Rel-4 and onwards implementations, the values of the two bytes shall not be verified.

ENVELOPE CALL CONTROL 2.4.1B

Logically:

Device identities

Source device: ME
Destination device: UICC

SS String

TON/NPI: "FF" Dialling number string "*21#"

Location Information

MCC & MNC the mobile country and network code (001110)

LAC the location Area Code (0001)
Cell ID Cell Identity Value (0001)

Coding:

| BER-TLV: | D4 | 12 | 82 | 02 | 82 | 81 | 89 | 03 | FF | 2A | B1 | 13 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 07 | 00 | 11 | 10 | 00 | 01 | 00 | 01 | | | | |

CALL CONTROL RESULT 2.4.1

Logically:

Call control result Allowed, with modifications

SS String

TON/NPI "FF" SS String "*#21#"

Coding:

| BER-TLV: | 02 | 06 | 89 | 04 | FF | BA | 12 | FB |
|----------|----|----|----|----|----|----|----|----|
|----------|----|----|----|----|----|----|----|----|

REGISTER 2.4A

Logically (only SS argument):

INTERROGATE SS ARGUMENT

SS-Code

- Call Forwarding Unconditional

Coding:

| BER-TLV | 30 | 03 | 04 | 01 | 21 |
|---------|----|----|----|----|----|

REGISTER 2.4B

Logically (only SS argument):

INTERROGATE SS ARGUMENT

SS-Code

- Call Forwarding Unconditional

LongFTN Supported

Coding:

| BER-TLV 30 | 05 | 04 | 01 | 21 | 84 | 00 |
|------------|----|----|----|----|----|----|
|------------|----|----|----|----|----|----|

RELEASE COMPLETE (SS RETURN RESULT) 2.4

Logically (only from operation code):

INTERROGATE SS RESULT

Call Forwarding Unconditional

SS-Status

- state ind.: operative

provision ind.: provisionedregistration ind.: registeredactivation ind.: not active

Coding:

| BER-TLV 80 01 | 06 | | |
|---------------|----|--|--|
|---------------|----|--|--|

27.22.6.2.5 Test requirement

The ME shall operate in the manner defined in expected sequences 2.1 to 2.4.

27.22.6.3 Interaction with Fixed Dialling Number (FDN)

27.22.6.3.1 Definition and applicability

See clause 3.2.2.

27.22.6.3.2 Conformance requirement

The ME shall support the CALL CONTROL facility as defined in:

- TS 31.111 [15] clause 7.3.1.4.

27.22.6.3.3 Test purpose

To verify that the ME checks that the number entered through the MMI is on the FDN list.

To verify that, if the MMI input does not pass the FDN check, the call shall not be set up.

To verify that, if the MMI input does pass the FDN check, the ME shall pass the dialled digits and other parameters to the UICC, using the ENVELOPE (CALL CONTROL) command.

To verify that, if the UICC responds with "allowed, no modification", the ME shall set up the call as proposed.

To verify that, if the UICC responds with "not allowed", the ME shall not set up the call.

To verify that, if the UICC responds with "allowed with modifications", the ME shall set up the call in accordance with the response from the UICC. If the modifications involve changing the dialled digits, the ME shall not re-check this modified number against the FDN list.

27.22.6.3.4 Method of tests

27.22.6.3.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The elementary files are coded as SIM Application Toolkit default with the following exceptions:

The call control service is available in the USIM Service Table.

Fixed Dialling Number service is enabled.

The GERAN/UTRAN parameters of the system simulator are:

- Mobile Country Code (MCC) = 001;
- Mobile Network Code (MNC) = 01;
- Location Area Code (LAC) = 0001;
- Cell Identity value = 0001.

The PCS 1900 parameters of the system simulator are:

- Mobile Country Code (MCC) = 001;
- Mobile Network Code (MNC) = 011;
- Location Area Code (LAC) = 0001;
- Cell Identity value = 0001.

27.22.6.3.4.2 Procedure

Expected Sequence 3.1 (CALL CONTROL BY USIM, set up a call not in EF_{FDN})

| Step | Direction | Message / Action | Comments |
|------|---------------|---|----------|
| 1 | $User \to ME$ | The user sets up a call to "4321" | |
| 2 | $ME \to UICC$ | The ME does not send the ENVELOPE (CALL CONTROL) | |
| 2 | $ME \to USS$ | command to the USIM. The ME does not set up the call. | |

Expected Sequence 3.2 (CALL CONTROL BY USIM , set up a call in ${\sf EF_{FDN}}$, the USIM responds with '90 00')

| Step | Direction | Message / Action | Comments | |
|------|-----------------------|----------------------------------|---------------------------------------|--|
| 1 | $User \to ME$ | The user sets up a call to "123" | | |
| 2 | $ME \rightarrow UICC$ | ENVELOPE CALL CONTROL | [Option A shall apply for GERAN/UTRAN | |
| | | 3.2.1A | parameters] | |
| | | or | [Option B shall apply for PCS1900 | |
| | | ENVELOPE CALL CONTROL | parameters] | |
| | | 3.2.1B | | |
| 3 | $UICC \to ME$ | 90 00 | | |
| 4 | $ME \rightarrow USS$ | The ME sets up the call without | [Set up call to "123"] | |
| | | modification | | |

ENVELOPE CALL CONTROL 3.2.1A

Logically:

Device identities

Source device: ME
Destination device: UICC

Address

TON Unknown

NPI "ISDN / telephone numbering plan"

Dialling number string "123" Capability configuration parameters 1

This parameter is optional. If present, the contents shall not be checked.

Subaddress

This parameter is optional. If present, the contents shall not be checked.

Location Information

MCC & MNC the mobile country and network code (00F110)

LAC the location Area Code (0001)
Cell ID Cell Identity Value (0001)

Extended Cell ID RNC-id value (for Rel-4 onwards), see also Note 6

Capability configuration parameters 2

This parameter is optional. If present, the contents shall not be checked.

Coding:

| BER-TLV: | D4 | Note 1 | 82 | 02 | 82 | 81 | 86 | 03 | 81 | 21 | F3 | Note 2 |
|----------|--------|--------|--------|----|----|----|----|----|----|----|--------|--------|
| | Note 3 | 13 | Note 5 | 00 | F1 | 10 | 00 | 01 | 00 | 01 | Note 6 | Note 4 |

ENVELOPE CALL CONTROL 3.2.1B

Logically:

Device identities

Source device: ME
Destination device: UICC

Address

TON Unknown

NPI "ISDN / telephone numbering plan"

Dialling number string "123" Capability configuration parameters 1

This parameter is optional. If present, the contents shall not be checked.

Subaddress

This parameter is optional. If present, the contents shall not be checked.

Location Information

MCC & MNC the mobile country and network code (001110)

LAC the location Area Code (0001)

Cell ID Cell Identity Value (0001) Capability configuration parameters 2

This parameter is optional. If present, the contents shall not be checked.

Coding:

| BER-TLV: | D4 | Note 1 | 82 | 02 | 82 | 81 | 86 | 03 | 81 | 21 | F3 | Note 2 |
|----------|--------|--------|----|----|----|----|----|----|----|----|--------|--------|
| | Note 3 | 13 | 07 | 00 | 11 | 10 | 00 | 01 | 00 | 01 | Note 4 | |

Note 1: Length of BER-TLV is '12' plus the actual length of all the present optional SIMPLE-TLV data objects.

Note 2: Capability configuration parameters 1 may be present at this place. If present, it may take up several octets.

Note 3: Subaddress may be present at this place. If present, it may take up several octets.

Note 4: Capability configuration parameters 2 may be present at this place. If present, it may take up several octets.

Note 5: Depending on the presence of the Extended Cell Identity Value the length is '07' or '09'

Note 6: The Extended Cell Identity Value is present in Rel-4 and onwards implementations, the values of the two bytes shall not be verified.

Expected Sequence 3.3 (CALL CONTROL BY USIM, set up a call in EF_{FDN}, Allowed without modifications)

| Step | Direction | Message / Action | Comments |
|------|-----------------------|-----------------------------------|--|
| 1 | $User \to ME$ | The user sets up a call to "9876" | |
| 2 | $ME \rightarrow UICC$ | ENVELOPE CALL CONTROL | [Option A shall apply for GERAN/UTRAN |
| | | 3.3.1A | parameters] |
| | | or | [Option B shall apply for PCS1900 |
| | | ENVELOPE CALL CONTROL | parameters] |
| | | 3.3.1B | |
| 3 | $UICC \to ME$ | CALL CONTROL RESULT 3.3.1 | [Call control result: "Allowed without |
| | | | modifications"] |
| 4 | $ME \rightarrow USS$ | The ME sets up the call without | [Set up call to "9876"] |
| | | modification | |

ENVELOPE CALL CONTROL 3.3.1A

Logically:

Device identities

Source device: ME
Destination device: UICC

Address

TON Unknown

NPI "ISDN / telephone numbering plan"

Dialling number string "9876" Capability configuration parameters 1

This parameter is optional. If present, the contents shall not be checked.

Subaddress

This parameter is optional. If present, the contents shall not be checked.

Location Information

MCC & MNC the mobile country and network code (00F110)

LAC the location Area Code (0001)
Cell ID Cell Identity Value (0001)

Extended Cell ID RNC-id value (for Rel-4 onwards), see also Note 6

Capability configuration parameters 2

This parameter is optional. If present, the contents shall not be checked.

Coding:

| | BER-TLV: | D4 | Note 1 | 82 | 02 | 82 | 81 | 86 | 03 | 81 | 89 | 67 | Note 2 |
|---|----------|--------|--------|--------|----|----|----|----|----|----|----|--------|--------|
| - | | Note 3 | 13 | Note 5 | 00 | F1 | 10 | 00 | 01 | 00 | 01 | Note 6 | Note 4 |

ENVELOPE CALL CONTROL 3.3.1B

Logically:

Device identities

Source device: ME
Destination device: UICC

Address

TON Unknown

NPI "ISDN / telephone numbering plan"

Dialling number string "9876" Capability configuration parameters 1

This parameter is optional. If present, the contents shall not be checked.

Subaddress

This parameter is optional. If present, the contents shall not be checked.

Location Information

MCC & MNC the mobile country and network code (001110)

LAC the location Area Code (0001)
Cell ID Cell Identity Value (0001)

Capability configuration parameters 2

This parameter is optional. If present, the contents shall not be checked.

Coding:

| BER-TLV: | D4 | Note 1 | 82 | 02 | 82 | 81 | 86 | 03 | 81 | 89 | 67 | Note 2 |
|----------|--------|--------|----|----|----|----|----|----|----|----|--------|--------|
| | Note 3 | 13 | 07 | 00 | 11 | 10 | 00 | 01 | 00 | 01 | Note 4 | |

Note 1: Length of BER-TLV is '12' plus the actual length of all the present optional SIMPLE-TLV data objects.

Note 2: Capability configuration parameters 1 may be present at this place. If present, it may take up several octets.

Note 3: Subaddress may be present at this place. If present, it may take up several octets.

Note 4: Capability configuration parameters 2 may be present at this place. If present, it may take up several octets.

Note 5: Depending on the presence of the Extended Cell Identity Value the length is '07' or '09'

Note 6: The Extended Cell Identity Value is present in Rel-4 and onwards implementations, the values of the two bytes shall not be verified.

CALL CONTROL RESULT 3.3.1

Logically:

Call control result Allowed, no modifications

Coding:

BER-TLV: 00 00

Expected Sequence 3.4 (CALL CONTROL BY USIM, set up a call in EF_{FDN}, Not Allowed)

| Step | Direction | Message / Action | Comments |
|------|---------------|-----------------------------------|---------------------------------------|
| 1 | $User \to ME$ | The user sets up a call to "9876" | |
| 2 | $ME \to UICC$ | ENVELOPE CALL CONTROL | [Option A shall apply for GERAN/UTRAN |
| | | 3.4.1A | parameters] |
| | | or | [Option B shall apply for PCS1900 |
| | | ENVELOPE CALL CONTROL | parameters] |
| | | 3.4.1B | |
| 3 | $UICC \to ME$ | CALL CONTROL RESULT 3.4.1 | [Call control result: "Not Allowed"] |
| 4 | $ME \to USS$ | The ME does not set up the call | |

ENVELOPE CALL CONTROL 3.4.1A

Logically:

Device identities

Source device: ME
Destination device: UICC

Address

TON Unknown

NPI "ISDN / telephone numbering plan"

Dialling number string "9876' Capability configuration parameters 1

This parameter is optional. If present, the contents shall not be checked.

Subaddress

This parameter is optional. If present, the contents shall not be checked.

Location Information

MCC & MNC the mobile country and network code (00F110)

LAC the location Area Code (0001)
Cell ID Cell Identity Value (0001)

Extended Cell ID RNC-id value (for Rel-4 onwards), see also Note 6

Capability configuration parameters 2

This parameter is optional. If present, the contents shall not be checked.

Coding:

| BER-TLV: | D4 | Note 1 | 82 | 02 | 82 | 81 | 86 | 03 | 81 | 89 | 67 | Note 2 |
|----------|--------|--------|--------|----|----|----|----|----|----|----|--------|--------|
| | Note 3 | 13 | Note 5 | 00 | F1 | 10 | 00 | 01 | 00 | 01 | Note 6 | Note 4 |

ENVELOPE CALL CONTROL 3.4.1B

Logically:

Device identities

Source device: ME
Destination device: UICC

Address

TON Unknown

NPI "ISDN / telephone numbering plan"

Dialling number string "9876" Capability configuration parameters 1

This parameter is optional. If present, the contents shall not be checked.

Subaddress

This parameter is optional. If present, the contents shall not be checked.

Location Information

MCC & MNC the mobile country and network code (001110)

LAC the location Area Code (0001)
Cell ID Cell Identity Value (0001)

Capability configuration parameters 2

This parameter is optional. If present, the contents shall not be checked.

Coding:

| BER-TLV: | D4 | Note 1 | 82 | 02 | 82 | 81 | 86 | 03 | 81 | 89 | 67 | Note 2 |
|----------|--------|--------|----|----|----|----|----|----|----|----|--------|--------|
| | Note 3 | 13 | 07 | 00 | 11 | 10 | 00 | 01 | 00 | 01 | Note 4 | |

Note 1: Length of BER-TLV is '12' plus the actual length of all the present optional SIMPLE-TLV data objects.

Note 2: Capability configuration parameters 1 may be present at this place. If present, it may take up several octets.

Note 3: Subaddress may be present at this place. If present, it may take up several octets.

Note 4: Capability configuration parameters 2 may be present at this place. If present, it may take up several octets.

Note 5: Depending on the presence of the Extended Cell Identity Value the length is '07' or '09'

Note 6: The Extended Cell Identity Value is present in Rel-4 and onwards implementations, the values of the two bytes shall not be verified.

CALL CONTROL RESULT 3.4.1

Logically:

Call control result Not Allowed

Coding:

BER-TLV: 01 00

Expected Sequence 3.5 (CALL CONTROL BY USIM , set up a call in EF_FDN , Allowed with modifications)

| Step | Direction | Message / Action | Comments |
|------|---------------|--|---|
| 1 | $User \to ME$ | The user sets up a call to "9876" | |
| 2 | $ME \to UICC$ | ENVELOPE CALL CONTROL 3.5.1A | [Option A shall apply for GERAN/UTRAN parameters] |
| | | | [Option B shall apply for PCS1900 parameters] |
| 3 | $UICC \to ME$ | CALL CONTROL RESULT 3.5.1 | [Call control result: "Allowed with modifications"] |
| 4 | $ME \to USS$ | The ME sets up the call with data sent by the UICC | [Set up call to "3333"] |

ENVELOPE CALL CONTROL 3.5.1A

Logically:

Device identities

Source device: ME
Destination device: UICC

Address

TON Unknown

NPI "ISDN / telephone numbering plan"

Dialling number string "9876" Capability configuration parameters 1

This parameter is optional. If present, the contents shall not be checked.

Subaddress

This parameter is optional. If present, the contents shall not be checked.

Location Information

MCC & MNC the mobile country and network code (00F110)

LAC the location Area Code (0001)
Cell ID Cell Identity Value (0001)

Extended Cell ID RNC-id value (for Rel-4 onwards), see also Note 6

Capability configuration parameters 2

This parameter is optional. If present, the contents shall not be checked.

Coding:

| BER-TLV: | D4 | Note 1 | 82 | 02 | 82 | 81 | 86 | 03 | 81 | 89 | 67 | Note 2 |
|----------|-------|--------|--------|----|----|----|----|----|----|----|--------|--------|
| '- | Note3 | 13 | Note 5 | 00 | F1 | 10 | 00 | 01 | 00 | 01 | Note 6 | Note 4 |

ENVELOPE CALL CONTROL 3.5.1B

Logically:

Device identities

Source device: ME
Destination device: UICC

Address

TON Unknown

NPI "ISDN / telephone numbering plan"

Dialling number string "9876" Capability configuration parameters 1

This parameter is optional. If present, the contents shall not be checked.

Subaddress

This parameter is optional. If present, the contents shall not be checked.

Location Information

MCC & MNC the mobile country and network code (001110)

LAC the location Area Code (0001)
Cell ID Cell Identity Value (0001)

Capability configuration parameters 2

This parameter is optional. If present, the contents shall not be checked.

Coding:

| BER-TLV: | D4 | Note 1 | 82 | 02 | 82 | 81 | 86 | 03 | 81 | 89 | 67 | Note 2 |
|----------|-------|--------|----|----|----|----|----|----|----|----|--------|--------|
| • | Note3 | 13 | 07 | 00 | 11 | 10 | 00 | 01 | 00 | 01 | Note 4 | |

Note 1: Length of BER-TLV is '12' plus the actual length of all the present optional SIMPLE-TLV data objects.

Note 2: Capability configuration parameters 1 may be present at this place. If present, it may take up several octets.

Note 3: Subaddress may be present at this place. If present, it may take up several octets.

Note 4: Capability configuration parameters 2 may be present at this place. If present, it may take up several octets.

Note 5: Depending on the presence of the Extended Cell Identity Value the length is '07' or '09'

Note 6: The Extended Cell Identity Value is present in Rel-4 and onwards implementations, the values of the two bytes shall not be verified.

CALL CONTROL RESULT 3.5.1

Logically:

Address

TON Unknown

NPI "ISDN / telephone numbering plan"

Address value "3333"

Coding:

| BER-TLV: | 02 | 05 | 86 | 03 | 81 | 33 | 33 |
|----------|----|----|----|----|----|----|----|

27.22.6.3.5 Test requirement

The ME shall operate in the manner defined in expected sequences 3.1 to 3.5.

27.22.6.4 Support of Barred Dialling Number (BDN) service

27.22.6.4.1 Definition and applicability

Barred Dialling Numbers (BDN) is a service defined for the USIM. An enabled BDN service results in call restrictions for the ME. The call restrictions are controlled by the Terminal. To ascertain the type of USIM and state of BDN the ME runs the BDN capability request procedure during UICC-Terminal initialisation. At the time an emergency call is setup using the emergency call code read from the EF_{ECC} , the Rel-4+ ME shall use the category of the emergency service indicated.

27.22.6.4.2 Conformance requirement

- 1) Recognising the state of the USIM (BDN enabled) the ME shall perform the UICC initialisation procedure as specified.
- 2) The ME shall prevent call set-up to any number stored in EF_{BDN} if BDN service is enabled.
- 3) The ME shall allow call set-up to any number stored in EF_{BDN} if BDN service is disabled.

- 4) Any change to the EF_{BDN} or EF_{EST} does request PIN2.
- 5) The ME allows call set-up of an emergency call, even if this number is stored in the USIM.

References:

- R99: TS 22.101[22], clause 8 and A.19;
- Rel-4: TS 22.101[22], clause 9 and A.20;
- Rel-5+: TS 22.101[22], clause 10 and A.21;
- TS 31.102[14], subclauses 4.2.44, 4.4.2.3, 5.1.1 and 5.3.2;
- TS 24.008[10], subclause 10.5.4.33;
- TS 31.111[15], subclause 7.3.1.5

27.22.6.4.3 Test purpose

- To verify that the Terminal rejects call set-up to any number that has an entry in EF_{BDN} if BDN service is enabled.
- 2) To verify that the Terminal allows call set-up to any number not stored in EF_{BDN} .
- 3) To verify that the Terminal allows emergency call set-up even if the number is stored in EF_{BDN} .
- 4) To verify that the Rel-4+ Terminal reads correctly the emergency service category stored in EF_{ECC} .
- 5) To verify that, if the UICC responds with "not allowed", the ME does not set up the call.
- 6) To verify that, if the UICC responds with "allowed, no modification", the ME shall set up the call (or the supplementary service operation) as proposed.
- 7) To verify that, if the UICC responds with "allowed with modifications", the ME sets up the call in accordance with the response from the UICC. If the modifications involve changing the dialled number the ME does not recheck this modified number against the FDN list when FDN is enabled.
- 8) To verify that updating EF BDN or changing the status of BDN service shall be performed by the use of second application PIN only.
- 9) To verify that the ME allows call set up to a BDN number if BDN service is disabled.

27.22.6.4.4 Method of tests

27.22.6.4.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The call control service is available in the USIM Service Table.

The elementary files are coded as USIM Application Toolkit default with the following exceptions:

Barred Dialling Number service is enabled.

Fixed Dialling Number service is disabled.

Only prior to the execution of expected sequence 4.3 the FDN service shall be enabled.

The Second Application PIN (key reference 81) shall be enabled, but not verified.

Only in expected sequence 4.2B EF_{ECC} shall be used with the following values:

EF_{ECC} (Emergency Call Codes)

Logically: Emergency call code: "122";

Emergency call code alpha identifier: "TEST";

Emergency call Service Category: "Mountain Rescue".

| Coding: | B1 | B2 | B3 | B4 | B5 | B6 | B7 | B8 |
|---------|----|----|----|----|----|----|----|----|
| Hex | 21 | F2 | FF | 54 | 45 | 53 | 54 | 10 |

The GERAN/UTRAN parameters of the system simulator are:

- Mobile Country Code (MCC) = 001;
- Mobile Network Code (MNC) = 01;
- Location Area Code (LAC) = 0001;
- Cell Identity value = 0001.

The PCS 1900 parameters of the system simulator are:

Mobile Country Code (MCC) = 001;

- Mobile Network Code (MNC) = 011;
- Location Area Code (LAC) = 0001;
- Cell Identity value = 0001.

27.22.6.4.4.2 Procedure

Expected Sequence 4.1 (CALL CONTROL BY USIM, BDN service enabled)

| Step | Direction | Message / Action | Comments |
|----------|-----------------------------|---|--|
| 1 | $User \rightarrow ME$ | The user sets up a call to | [Number as stored in record 1 of EF |
| _ | | "+1357924680" | BDN] |
| 2 | $ME \to UICC$ | ENVELOPE CALL CONTROL | [Option A shall apply for GERAN/UTRAN |
| | | 4.1.1A or | parameters] [Option B shall apply for PCS1900 |
| | | ENVELOPE CALL CONTROL | parameters] |
| | | 4.1.1B | [|
| 3 | $UICC \to ME$ | CALL CONTROL RESULT 4.1.1 | [Call control result: "Not Allowed"] |
| 4 | $\text{ME} \to \text{USS}$ | The ME does not set up the call | |
| 5 | $User \to ME$ | The user sets up a call to the | |
| | | number stored in record 1 of EF ADN | |
| 6 | $ME \rightarrow UICC$ | ENVELOPE CALL CONTROL | Option A shall apply for GERAN/UTRAN |
| | ML 70100 | 4.1.2A | parameters |
| | | or | Option B shall apply for PCS1900 |
| | | ENVELOPE CALL CONTROL | parameters] |
| 7 | $UICC \to ME$ | 4.1.2B CALL CONTROL RESULT 4.1.2 | [Call control result: "Allowed without |
| ' | UICC → IVIE | CALL CONTROL RESULT 4.1.2 | modifications"] |
| 8 | $ME \to USS$ | The ME sets up the call without | |
| | | modification | |
| 9 | $User \to ME$ | The user sets up a call to '123456' | |
| 10 | $ME \rightarrow UICC$ | ENVELOPE CALL CONTROL | [Option A shall apply for GERAN/UTRAN |
| | | 4.1.3A or | parameters] [Option B shall apply for PCS1900 |
| | | ENVELOPE CALL CONTROL | parameters] |
| | | 4.1.3B | |
| 11 | $UICC \to ME$ | CALL CONTROL RESULT 4.1.2 | [Call control result: "Allowed without |
| 40 | ME 1100 | The NAT and a sun the analysis the sest | modifications"] |
| 12 | $ME \rightarrow USS$ | The ME sets up the call without modification | |
| 13 | $User \to ME$ | The user sets up a call to "1111" | |
| 14 | $ME \rightarrow UICC$ | ENVELOPE CALL CONTROL | [Option A shall apply for GERAN/UTRAN |
| | | 4.1.4A | parameters] |
| | | or | [Option B shall apply for PCS1900 |
| | | ENVELOPE CALL CONTROL 4.1.4B | parameters] |
| 15 | $UICC \to ME$ | CALL CONTROL RESULT 4.1.3 | [Call control result: "Allowed with |
| | | | modifications"] |
| 16 | $ME \to USS$ | The ME sets up the call with data | [Set up call to "2222"] |
| 17 | Heen ME | sent by the UICC The user shall use a MMI | |
| 17 | $User \to ME$ | dependent procedure to initiate | |
| | | the disabling of the BDN service | |
| 18 | $\text{ME} \to \text{User}$ | Ask for second application PIN | |
| 4.0 | | verification | |
| 19 | $User \to ME$ | The user shall enter the second | |
| 20 | $ME \rightarrow UICC$ | application PIN Update EF EST to disable BDN | |
| - | / 5.00 | service | |
| 21 | $UICC \to ME$ | UICC responds with SW = '90 00' | |
| 22 | $\text{ME} \to \text{User}$ | Indicate that the BDN service was | |
| 22 | Lloor - ME | disabled successfully | The alpha identifier is not shanged ! |
| 23 | $User \to ME$ | The user uses the MMI to store the directory number | [The alpha identifier is not changed.] |
| | | "+876543210" in EF _{BDN} as barred | |
| | | dialling number 1 (record 1). | |
| 24 | $ME \to UICC$ | Update EF BDN | |
| 25 | $UICC \to ME$ | UICC responds with SW = '90 00' | |
| 26 | $ME \rightarrow User$ | The user attempts to set up a call to '+876543210'. | |
| 27a | $ME \to UICC$ | No Envelope call control is sent | |
| ~ | / 0.00 | 1 | ı |

ENVELOPE CALL CONTROL 4.1.1A

Logically:

Device identities

Source device: ME
Destination device: UICC

Address

TON International

NPI "ISDN / telephone numbering plan"

Dialling number string "1357924680"

Capability configuration parameters 1

This parameter is optional. If present, the contents shall not be checked.

Location Information

MCC & MNC the mobile country and network code (00F110)

LAC the location Area Code (0001)
Cell ID Cell Identity Value (0001)

Capability configuration parameters 2

This parameter is optional. If present, the contents shall not be checked.

Coding:

| BER-TLV: | D4 | Note 1 | 82 | 02 | 82 | 81 | 86 | 06 | 91 | 31 | 75 | 29 |
|----------|-------|--------|--------|----|--------|----|----|----|----|----|----|----|
| | 64 | 08 | Note 2 | 13 | Note 4 | 00 | F1 | 10 | 00 | 01 | 00 | 01 |
| | Note5 | Note 3 | | | | | | | | | | |

ENVELOPE CALL CONTROL 4.1.1B

Logically:

Device identities

Source device: ME
Destination device: UICC

Address

TON International

NPI "ISDN / telephone numbering plan"

Dialling number string "1357924680"

Capability configuration parameters 1

This parameter is optional. If present, the contents shall not be checked.

Location Information

MCC & MNC the mobile country and network code (001110)

LAC the location Area Code (0001)
Cell ID Cell Identity Value (0001)

Capability configuration parameters 2

This parameter is optional. If present, the contents shall not be checked.

Coding:

| BER-TLV: | D4 | Note 1 | 82 | 02 | 82 | 81 | 86 | 06 | 91 | 31 | 75 | 29 |
|----------|--------|--------|--------|----|----|----|----|----|----|----|----|----|
| | 64 | 08 | Note 2 | 13 | 07 | 00 | 11 | 10 | 00 | 01 | 00 | 01 |
| | Note 3 | | | | | | | | | | | |

Note 1: Length of BER-TLV is '15' plus the actual length of all the present optional SIMPLE-TLV data objects.

Note 2: Capability configuration parameters 1 may be present at this place. If present, it may take up several octets.

Note 4: Depending on the presence of the Extended Cell Identity Value the length is '07' or '09'

Note 5: The Extended Cell Identity Value is present in Rel-4 and onwards implementations, the values of the two bytes shall not be verified.

ENVELOPE CALL CONTROL 4.1.2A

Logically:

Device identities

Source device: ME
Destination device: UICC

Address

TON Unknown

NPI "ISDN / telephone numbering plan"

Dialling number string "123" Capability configuration parameters 1

This parameter is optional. If present, the contents shall not be checked.

Location Information

MCC & MNC the mobile country and network code (00F110)

LAC the location Area Code (0001)
Cell ID Cell Identity Value (0001)

Extended Cell ID RNC-id value (for Rel-4 onwards), see also Note 5

Capability configuration parameters 2

This parameter is optional. If present, the contents shall not be checked.

Coding:

| BER-TLV: | D4 | Note 1 | 82 | 02 | 82 | 81 | 86 | 03 | 81 | 21 | F3 | Note 2 |
|----------|----|--------|----|----|----|----|----|----|----|--------|--------|--------|
| <u> </u> | 13 | Note 4 | 00 | F1 | 10 | 00 | 01 | 00 | 01 | Note 5 | Note 3 | |

ENVELOPE CALL CONTROL 4.1.2B

Logically:

Device identities

Source device: ME
Destination device: UICC

Address

TON Unknown

NPI "ISDN / telephone numbering plan"

Dialling number string "123" Capability configuration parameters 1

This parameter is optional. If present, the contents shall not be checked.

Location Information

MCC & MNC the mobile country and network code (001110)

LAC the location Area Code (0001)
Cell ID Cell Identity Value (0001)

Capability configuration parameters 2

This parameter is optional. If present, the contents shall not be checked.

Coding:

| BER-TLV: | D4 | Note 1 | 82 | 02 | 82 | 81 | 86 | 03 | 81 | 21 | F3 | Note 2 |
|----------|----|--------|----|----|----|----|----|----|----|--------|----|--------|
| | 13 | 07 | 00 | 11 | 10 | 00 | 01 | 00 | 01 | Note 3 | | |

Note 1: Length of BER-TLV is '12' plus the actual length of all the present optional SIMPLE-TLV data objects.

Note 2: Capability configuration parameters 1 may be present at this place. If present, it may take up several octets.

Note 4: Depending on the presence of the Extended Cell Identity Value the length is '07' or '09'

Note 5: The Extended Cell Identity Value is present in Rel-4 and onwards implementations, the values of the two bytes shall not be verified.

ENVELOPE CALL CONTROL 4.1.3A

Logically:

Device identities

Source device: ME
Destination device: UICC

Address

TON Unknown

NPI "ISDN / telephone numbering plan"

Dialling number string "123456" Capability configuration parameters 1

This parameter is optional. If present, the contents shall not be checked.

Location Information

MCC & MNC the mobile country and network code (00F110)

LAC the location Area Code (0001)
Cell ID Cell Identity Value (0001)

Extended Cell ID RNC-id value (for Rel-4 onwards), see also Note 5

Capability configuration parameters 2

This parameter is optional. If present, the contents shall not be checked.

Coding:

| BER-TLV: | D4 | Note 1 | 82 | 02 | 82 | 81 | 86 | 04 | 81 | 21 | 43 | 65 |
|----------|--------|--------|--------|----|----|----|----|----|----|----|--------|--------|
| | Note 2 | 13 | Note 4 | 00 | F1 | 10 | 00 | 01 | 00 | 01 | Note 5 | Note 3 |

ENVELOPE CALL CONTROL 4.1.3B

Logically:

Device identities

Source device: ME
Destination device: UICC

Address

TON Unknown

NPI "ISDN / telephone numbering plan"

Dialling number string "123456" Capability configuration parameters 1

This parameter is optional. If present, the contents shall not be checked.

Location Information

MCC & MNC the mobile country and network code (001110)

LAC the location Area Code (0001)
Cell ID Cell Identity Value (0001)

Capability configuration parameters 2

This parameter is optional. If present, the contents shall not be checked.

Coding:

| BER-TLV: | D4 | Note 1 | 82 | 02 | 82 | 81 | 86 | 04 | 81 | 21 | 43 | 65 |
|----------|--------|--------|----|----|----|----|----|----|----|----|--------|----|
| <u></u> | Note 2 | 13 | 07 | 00 | 11 | 10 | 00 | 01 | 00 | 01 | Note 3 | |

Note 1: Length of BER-TLV is '13' plus the actual length of all the present optional SIMPLE-TLV data objects.

Note 2: Capability configuration parameters 1 may be present at this place. If present, it may take up several octets.

Note 4: Depending on the presence of the Extended Cell Identity Value the length is '07' or '09'.

Note 5: The Extended Cell Identity Value is present in Rel-4 and onwards implementations, the values of the two bytes shall not be verified.

ENVELOPE CALL CONTROL 4.1.4A

Logically:

Device identities

Source device: ME
Destination device: UICC

Address

TON Unknown

NPI "ISDN / telephone numbering plan"

Dialling number string "1111" Capability configuration parameters 1

This parameter is optional. If present, the contents shall not be checked.

Location Information

MCC & MNC the mobile country and network code (00F110)

LAC the location Area Code (0001)
Cell ID Cell Identity Value (0001)

Extended Cell ID RNC-id value (for Rel-4 onwards), see also Note 5

Capability configuration parameters 2

This parameter is optional. If present, the contents shall not be checked.

Coding:

| BER-TLV: | D4 | Note 1 | 82 | 02 | 82 | 81 | 86 | 03 | 81 | 11 | 11 | Note 2 |
|----------|----|--------|----|----|----|----|----|----|----|--------|--------|--------|
| ' | 13 | Note 4 | 00 | F1 | 10 | 00 | 01 | 00 | 01 | Note 5 | Note 3 | |

ENVELOPE CALL CONTROL 4.1.4B

Logically:

Device identities

Source device: ME
Destination device: UICC

Address

TON Unknown

NPI "ISDN / telephone numbering plan"

Dialling number string "1111" Capability configuration parameters 1

This parameter is optional. If present, the contents shall not be checked.

Location Information

MCC & MNC the mobile country and network code (001110)

LAC the location Area Code (0001)
Cell ID Cell Identity Value (0001)

Capability configuration parameters 2

This parameter is optional. If present, the contents shall not be checked.

Coding:

| BER-TLV: | D4 | Note 1 | 82 | 02 | 82 | 81 | 86 | 03 | 81 | 11 | 11 | Note 2 |
|----------|----|--------|----|----|----|----|----|----|----|--------|----|--------|
| | 13 | 07 | 00 | 11 | 10 | 00 | 01 | 00 | 01 | Note 3 | | |

Note 1: Length of BER-TLV is '12' plus the actual length of all the present optional SIMPLE-TLV data objects.

Note 2: Capability configuration parameters 1 may be present at this place. If present, it may take up several octets.

Note 4: Depending on the presence of the Extended Cell Identity Value the length is '07' or '09'

Note 5: The Extended Cell Identity Value is present in Rel-4 and onwards implementations, the values of the two bytes shall not be verified.

CALL CONTROL RESULT 4.1.1

Logically:

Call control result Not Allowed

Coding:

BER-TLV: 01 00

CALL CONTROL RESULT 4.1.2

Logically:

Call control result Allowed, no modifications

Coding:

BER-TLV: 00 00

CALL CONTROL RESULT 4.1.3

Logically:

Address

TON Unknown

NPI "ISDN / telephone numbering plan"

Address value "2222"

Coding:

BER-TLV: 02 05 86 03 81 22 22

Expected Sequence 4.2A (CALL CONTROL BY USIM, BDN service enabled, interaction with emergency call codes, R99 only)

| Step | Direction | Message / Action | Comments |
|------|---------------|--|---|
| 1 | User → ME | stored in the terminal. | The used emergency number shall be one of the emergency call codes, which are available when a SIM/USIM is present, according to TS 22.101[22], subclause 8 is used (i.e. "112", or "911"). |
| 2a | $ME \to UICC$ | No Envelope call control is sent | , , |
| 2b | $ME \to USS$ | The ME shall allow an emergency call by indicating the call setup as "Emergency Call'. | |
| 3 | $User \to ME$ | End the emergency call. | |

Expected Sequence 4.2B (CALL CONTROL BY USIM, BDN service enabled, interaction with emergency call codes, Rel-4+)

| Step | Direction | Message / Action | Comments |
|------|-----------------------|--|--|
| 1 | User → ME | The user sets up an emergency call to an emergency number stored in the terminal. | The used emergency number shall be one of the emergency call codes, which are available when a SIM/USIM is present, according to TS 22.101[22], subclause 9 (Rel-4) or 10 (Rel-5+) is used (i.e. "112", or "911"). |
| 2a | $ME \rightarrow UICC$ | No Envelope call control is sent | |
| 2b | $ME \rightarrow USS$ | The ME shall allow an emergency call by indicating the call setup as "Emergency Call'. | |
| 3 | $User \to ME$ | End the emergency call. | |
| 4 | $User \to ME$ | The user sets up an emergency call to an emergency number stored in the USIM. | |
| 5a | $ME \to UICC$ | No Envelope call control is sent | |
| 5b | $ME \rightarrow USS$ | The ME shall allow an emergency call by sending the emergency service category correctly as 'Mountain Rescue'. | |
| 6 | $User \to ME$ | End the emergency call. | |

Expected Sequence 4.3 (CALL CONTROL BY USIM , FDN and BDN enabled, set up a call in EF_FDN , Allowed with modifications)

| Step | Direction | Message / Action | Comments |
|------|---------------|-----------------------------------|--|
| 1 | $User \to ME$ | The user sets up a call to "123" | |
| 2 | $ME \to UICC$ | ENVELOPE CALL CONTROL | [Option A shall apply for GERAN/UTRAN |
| | | 4.3.1A | parameters] |
| | | or | [Option B shall apply for PCS1900 |
| | | ENVELOPE CALL CONTROL | parameters] |
| | | 4.3.1B | |
| 3 | $UICC \to ME$ | CALL CONTROL RESULT 4.3.1 | [Call control result: "Allowed with |
| | | | modifications"] |
| 4 | $ME \to USS$ | The ME sets up the call with data | [Set up call to "24680"the ME does not |
| | | sent by the UICC | re-check this modified number against |
| | | | the FDN list] |

ENVELOPE CALL CONTROL 4.3.1A

Logically:

Device identities

Source device: ME
Destination device: UICC

Address

TON Unknown

NPI "ISDN / telephone numbering plan"

Dialling number string "123" Capability configuration parameters 1

This parameter is optional. If present, the contents shall not be checked.

Subaddress

This parameter is optional. If present, the contents shall not be checked.

Location Information

MCC & MNC the mobile country and network code (00F110)

LAC the location Area Code (0001)
Cell ID Cell Identity Value (0001)

Extended Cell ID RNC-id value (for Rel-4 onwards), see also Note 5

Capability configuration parameters 2

This parameter is optional. If present, the contents shall not be checked.

Coding:

| BER-TLV: | D4 | Note 1 | 82 | 02 | 82 | 81 | 86 | 03 | 81 | 21 | F3 | Note 2 |
|----------|----|--------|----|----|----|----|----|----|----|--------|--------|--------|
| | 13 | Note 4 | 00 | F1 | 10 | 00 | 01 | 00 | 01 | Note 5 | Note 3 | |

ENVELOPE CALL CONTROL 4.3.1B

Logically:

Device identities

Source device: ME
Destination device: UICC

Address

TON Unknown

NPI "ISDN / telephone numbering plan"

Dialling number string "123" Capability configuration parameters 1

This parameter is optional. If present, the contents shall not be checked.

Subaddress

This parameter is optional. If present, the contents shall not be checked.

Location Information

MCC & MNC the mobile country and network code (001110)

LAC the location Area Code (0001)
Cell ID Cell Identity Value (0001)

Capability configuration parameters 2

This parameter is optional. If present, the contents shall not be checked.

Coding:

| BER-TLV: | D4 | Note 1 | 82 | 02 | 82 | 81 | 86 | 03 | 81 | 21 | F3 | Note 2 |
|----------|----|--------|----|----|----|----|----|----|----|--------|----|--------|
| | 13 | 07 | 00 | 11 | 10 | 00 | 01 | 00 | 01 | Note 3 | | |

Note 1: Length of BER-TLV is '12' plus the actual length of all the present optional SIMPLE-TLV data objects.

Note 2: Capability configuration parameters 1 may be present at this place. If present, it may take up several octets.

Note 3: Capability configuration parameters 2 may be present at this place. If present, it may take up several octets.

Note 4: Depending on the presence of the Extended Cell Identity Value the length is '07' or '09'

Note 5: The Extended Cell Identity Value is present in Rel-4 and onwards implementations, the values of the two bytes shall not be verified.

CALL CONTROL RESULT 4.3.1

Logically:

Call control result Allowed with modifications

Address

TON Unknown

NPI "ISDN / telephone numbering plan"

Address value "24680"

Coding:

| BER-TLV: | 02 | 06 | 86 | 04 | 81 | 42 | 86 | F0 | |
|----------|----|----|----|----|----|----|----|----|--|

27.22.6.4.5 Test requirement

The ME shall operate in the manner defined in expected sequences $4.1\ \text{to}\ 4.3.$

27.22.6.5 Barred Dialling Number (BDN) service handling for terminals not supporting BDN

27.22.6.5.1 Definition and applicability

Barred Dialling Numbers (BDN) is a service defined for the USIM. An enabled BDN service results in call restrictions for the ME. The call restrictions are controlled by the Terminal. If BDN is enabled, an ME which does not support Call Control shall allow emergency calls but shall not allow MO-CS calls.

27.22.6.5.2 Conformance requirement

- 1) Recognising the state of the USIM (BDN enabled) the ME shall perform the UICC initialisation procedure as specified.
- 2) The ME shall prevent MO-CS call set-up to any number except to emergency call numbers if the BDN service is enabled

References:

- Rel-5+: TS 22.101[22], clause 10 and A.21;

TS 31.102[14], subclauses 4.2.44, 4.4.2.3, 5.1.1.2 and 5.3.2;

TS 31.111[15], subclause 7.3.1.5

27.22.6.5.3 Test purpose

- 1) To verify that the Terminal rejects MO-CS call set-up to any number except to emergency call numbers if BDN service is enabled.
- 2) To verify that the Terminal allows emergency call set-up even if the BDN service is enabled.

27.22.6.5.4 Method of tests

27.22.6.5.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The call control service is available in the USIM Service Table.

The elementary files are coded as USIM Application Toolkit default with the following exceptions:

Barred Dialling Number service is enabled.

27.22.6.5.4.2 Procedure

Expected Sequence 5.1 (CALL CONTROL BY USIM, BDN service enabled, ME not supporting BDN)

| Step | Direction | Message / Action | Comments |
|------|---------------|---|--|
| 1 | $User \to ME$ | The user sets up a call to "+1357924680" | [Number as stored in record 1 of EF BDN] |
| 2a | $ME \to UICC$ | No ENVELOPE CALL CONTROL is sent | |
| 2b | $ME \to USS$ | The ME does not set up the call | |
| 3 | $User \to ME$ | The user sets up a call to the number stored in record 1 of EF ADN | |
| 4a | $ME \to UICC$ | No ENVELOPE CALL CONTROL is sent | |
| 4b | $ME \to USS$ | The ME does not set up the call | |
| 5 | $User \to ME$ | The user sets up an emergency call to "112" | |
| 6a | $ME \to UICC$ | No ENVELOPE CALL CONTROL is sent | |
| 6b | $ME \to USS$ | The ME sets up the emergency call to "112" | |
| 7 | $User \to ME$ | The user shall terminate the emergency call after 5 seconds. The ME returns to idle mode. | |

27.22.7 EVENT DOWNLOAD

27.22.7.1 MT Call Event

27.22.7.1.1 MT Call Event (normal)

27.22.7.1.1.1 Definition and applicability

See clause 3.2.2.

27.22.7.1.1.2 Conformance requirement

The ME shall support the EVENT: MT Call event as defined in:

- TS 31.111 [15] clause 4.7, clause 5.2, clause 6.4.16, clause 6.8, clause 7.5, and clause 8.25.

27.22.7.1.1.3 Test purpose

To verify that the ME informs the UICC that an Event: MT Call has occurred using the ENVELOPE (EVENT DOWNLOAD - MT Call) command.

27.22.7.1.1.4 Method of test

27.22.7.1.1.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The ME shall be powered on and perform the PROFILE DOWNLOAD procedure.

27.22.7.1.1.4.2 Procedure

Expected Sequence 1.1 (EVENT DOWNLOAD -MT Call event)

| Step | Direction | Message / Action | Comments |
|------|-----------------------|----------------------------|------------------------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SET UP EVENT LIST | |
| | | 1.1.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP | |
| | | EVENT LIST 1.1.1 | |
| 4 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SET UP | |
| | | EVENT LIST 1.1.1 | |
| 5 | | CALL SET UP without CLI | [MT Call Set Up Without CLI] |
| 6 | $ME \rightarrow UICC$ | ENVELOPE: EVENT DOWNLOAD | |
| | | - MT Call 1.1.1 | |
| 7 | $USS \to ME$ | CALL DISCONNECT | |
| 8 | $USS \to ME$ | CALL SET UP with CLI | [MT Call Set Up With CLI] |
| 9 | $ME \rightarrow UICC$ | ENVELOPE: EVENT DOWNLOAD | |
| | | - MT Call 1.1.2 | |
| 10 | $USS \rightarrow ME$ | CALL DISCONNECT | |

PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1

Logically:

Command details

Command number:

Command type: SET UP EVENT LIST

Command qualifier: '00'

Device identities

Source device: UICC Destination device: ME

Event list

Event 1: MT call

Coding:

| BER-TLV: | D0 | 0C | 81 | 03 | 01 | 05 | 00 | 82 | 02 | 81 | 82 | 99 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 01 | 00 | | | | | | | | | | |

TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1

Logically:

Command details

Command number: 1

Command type: SET UP EVENT LIST

Command qualifier: '00'

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 05 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

EVENT DOWNLOAD - MT CALL 1.1.1

Logically:

Event list: MT call event

Device identities

Source device: Network
Destination device: UICC

Transaction identifier:

Ti value: 0 (bit 5-7) Ti flag: 0 (bit 8)

Coding:

| BER-TLV: D6 0 | 0A 19 (| 01 00 82 | 02 83 | 81 1C | 01 00 | |
|---------------|---------|----------|-------|-------|-------|--|
|---------------|---------|----------|-------|-------|-------|--|

EVENT DOWNLOAD - MT CALL 1.1.2

Logically:

Event list: MT call event

Device identities

Source device: Network
Destination device: UICC

Transaction identifier:

Ti value: 0 (bit 5-7) Ti flag: 0 (bit 8)

Address:

TON Unknown

NPI "ISDN / telephone numbering plan"

Dialling number string "9876"

Coding:

| BER-TLV: | D6 | 0F | 19 | 01 | 00 | 82 | 02 | 83 | 81 | 1C | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 86 | 03 | 81 | 89 | 67 | | | | | | | |

27.22.7.1.1.5 Test requirement

The behaviour of the test is as defined in 'Expected Sequence 1.1'.

27.22.7.2 Call Connected Event

27.22.7.2.1 Call Connected Event (MT and MO call)

27.22.7.2.1.1 Definition and applicability

See clause 3.2.2.

27.22.7.2.1.2 Conformance requirement

The ME shall support the EVENT: Call Connected event as defined in:

- TS 31.111 [15] clause 4.7, clause 5.2, clause 6.4.16, clause 6.8, clause 7.5, and clause 8.25.

27.22.7.2.1.3 Test purpose

To verify that the ME informs the UICC that an Event: Call Connected has occurred using the ENVELOPE (EVENT DOWNLOAD -Call Connected) command.

27.22.7.2.1.4 Method of test

27.22.7.2.1.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The ME shall be powered on and perform the PROFILE DOWNLOAD procedure.

27.22.7.2.1.4.2 Procedure

Expected Sequence 1.1 (EVENT DOWNLOAD -CALL CONNECTED)

| Step | Direction | Message / Action | Comments |
|------|-----------------------|----------------------------|--------------------------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SET UP EVENT LIST | |
| | | 1.1.1 | |
| 2 | | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP | [EVENT: Call Connected active] |
| | | EVENT LIST 1.1.1 | |
| 4 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SET UP | |
| _ | | EVENT LIST 1.1.1 | [|
| 5 | 7= | SETUP | [MT Call] Ti = 0 |
| 6 | | Accept Call Set Up | |
| 7 | / 5 5 5 | CONNECT | |
| 8 | $ME \rightarrow UICC$ | ENVELOPE: EVENT DOWNLOAD | |
| | | - Call Connected 1.1.1 | |
| 9 | 7= | DISCONNECT | |
| 10 | | Initiate Call to "123" | |
| 11 | , | SETUP | [MO Call] Ti = 0 |
| 12 | $USS \to ME$ | CONNECT | |
| 13 | $ME \rightarrow UICC$ | ENVELOPE: EVENT DOWNLOAD | |
| | | - Call Connected 1.1.2 | |
| 14 | | End Call | |
| 15 | $ME \rightarrow USS$ | DISCONNECT | |

PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1

Logically:

Command details

Command number: 1

Command type: SET UP EVENT LIST

Command qualifier: '00'

Device identities

Source device: UICC Destination device: ME

Event list

Event 1: Call Connected

Coding:

| BER-TLV: | D0 | 0C | 81 | 03 | 01 | 05 | 00 | 82 | 02 | 81 | 82 | 99 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 01 | 01 | | | | | | | | | | |

TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1

Logically:

Command details

Command number: 1

Command type: SET UP EVENT LIST

Command qualifier: '00'

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

BER-TLV: 81 03 01 05 00 82 02 82 81 83 01 00

EVENT DOWNLOAD - CALL CONNECTED 1.1.1

Logically:

Event list: Call connected

Device identities

Source device: ME
Destination device: UICC

Transaction identifier:

Ti value: 0 (bit 5-7)
Ti flag: 1 (bit 8)

Coding:

BER-TLV: D6 0A 19 01 01 82 02 82 81 1C 01 80

EVENT DOWNLOAD - CALL CONNECTED 1.1.2

Logically:

Event list: Call connected

Device identities

Source device: Network
Destination device: UICC

Transaction identifier:

Ti value: 0 (bit 5-7)
Ti flag: 1 (bit 8)

Coding:

BER-TLV: D6 0A 19 01 01 82 02 83 81 1C 01 80

27.22.7.2.1.5 Test requirement

The behaviour of the test is as defined in 'Expected Sequence 1.1'.

27.22.7.2.2 Call Connected Event (ME supporting SET UP CALL)

27.22.7.2.2.1 Definition and applicability

See clause 3.2.2.

27.22.7.2.2.2 Conformance requirement

Additionally the ME shall support the SET UP CALL Proactive UICC Command as defined in:

- TS 31.111 [15] clause 7.5, clause 6.4.13 and clause 6.6.12.

27.22.7.2.2.3 Test purpose

To verify that the ME informs the UICC that an Event: Call Connected has occurred using the ENVELOPE (EVENT DOWNLOAD -Call Connected) command.

27.22.7.2.2.4 Method of test

27.22.7.2.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The ME shall be powered on and perform the PROFILE DOWNLOAD procedure.

27.22.7.2.4.2 Procedure

Expected Sequence 2.1 (EVENT DOWNLOAD -CALL CONNECTED, ME supporting SET UP CALL)

| Step | Direction | Message / Action | Comments |
|------|-----------------------|------------------------------------|--------------------------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SET UP EVENT LIST | |
| _ | | 2.1.1 | |
| 2 | / 0.00 | FETCH | |
| 3 | $UICC \rightarrow ME$ | PROACTIVE COMMAND: SET UP | [EVENT: Call Connected active] |
| ١. | | EVENT LIST 2.1.1 | |
| 4 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SET UP | |
| 5 | UICC → ME | EVENT LIST 2.1.1 PROACTIVE COMMAND | |
| 5 | OICC → IVIE | PENDING: SET UP CALL 2.1.1 | |
| 6 | ME → UICC | FETCH | |
| 7 | / 0.00 | PROACTIVE COMMAND: SET UP | ISAT Call |
| ' | OIGG / WIE | CALL 2.1.1 | [erri can] |
| 8 | $ME \rightarrow USER$ | ME displays "+012340123456" | ME BEHAVIOUR: SET UP CALL |
| | | during the user confirmation | |
| | | phase. | |
| 9 | $USER \to ME$ | Confirm call set up | |
| 10 | $ME \to USS$ | SETUP | Ti=0 |
| 11 | $USS \to ME$ | CONNECT | |
| 12 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SET UP | |
| | | CALL 2.1.1 | |
| 13 | $ME \rightarrow UICC$ | ENVELOPE: CALL CONNECTED | |
| | | 2.1.1 | |

PROACTIVE COMMAND: SET UP EVENT LIST 2.1.1

Logically:

Command details

Command number:

Command type: SET UP EVENT LIST

Command qualifier: '00'

Device identities

Source device: UICC
Destination device: ME

Event list

Event 1: Call Connected

Coding:

| BER-TLV: | D0 | 0C | 81 | 03 | 01 | 05 | 00 | 82 | 02 | 81 | 82 | 99 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 01 | 01 | | | | | | | | | | |

TERMINAL RESPONSE: SET UP EVENT LIST 2.1.1

Logically:

Command details

Command number:

Command type: SET UP EVENT LIST

Command qualifier: '00'

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 05 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

PROACTIVE COMMAND: SET UP CALL 2.1.1

Logically:

Command details

Command number: 1

Command type: SET UP CALL

Command qualifier: Only if not currently busy on another call

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "+012340123456"

Address

TON: International

NPI: "ISDN / telephone numbering plan"

Dialling number string "012340123456"

Coding:

| BER-TLV: | D0 | 21 | 81 | 03 | 01 | 10 | 00 | 82 | 02 | 81 | 83 |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| | 05 | 0D | 2B | 30 | 31 | 32 | 33 | 34 | 30 | 31 | 32 |
| | 33 | 34 | 35 | 36 | 86 | 07 | 91 | 10 | 32 | 04 | 21 |
| | 43 | 65 | | | | | | | | | |

TERMINAL RESPONSE: SET UP CALL 2.1.1

Logically:

Command details

Command number: 1

Command type: SET UP CALL

Command qualifier: Only if not currently busy on another call

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TI V | 01 | 02 | 01 | 10 | 00 | 00 | 02 | 00 | 01 | ၀၁ | Ω1 | 00 |
|-----------|-----|----|-------|------|------|----|------|----|-----|----|----|------|
| IDEK-ILV. | 101 | บง | I U I | I IU | I UU | 02 | I UZ | 02 | 101 | റാ | UI | I UU |

EVENT DOWNLOAD - CALL CONNECTED 2.1.1

Logically:

Event list: Call connected

Device identities

Source device: Network
Destination device: UICC

Transaction identifier:

Ti value: 0 (bit 5-7) Ti flag: 1 (bit 8)

Coding:

| BER-TLV: | D6 | 0A | 19 | 01 | 01 | 82 | 02 | 83 | 81 | 1C | 01 | 80 | 1 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|---|
|----------|----|----|----|----|----|----|----|----|----|----|----|----|---|

27.22.7.2.2.5 Test requirement

The behaviour of the test is as defined in 'Expected Sequence 2.1'.

27.22.7.3 Call Disconnected Event

27.22.7.3.1 Call Disconnected Event

27.22.7.3.1.1 Definition and applicability

See clause 3.2.2.

27.22.7.3.1.2 Conformance requirement

The ME shall support the EVENT: Call Disconnected event as defined in:

- TS 31.111 [15] clause 4.7, clause 5.2, clause 6.4.16, clause 6.8, clause 7.5, and clause 8.25.

27.22.7.3.1.3 Test purpose

To verify that the ME informs the UICC that an Event: Call Disconnected has occurred using the ENVELOPE (EVENT DOWNLOAD -Call Disconnected) command.

27.22.7.3.1.4 Method of test

27.22.7.3.1.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The ME shall be powered on and perform the PROFILE DOWNLOAD procedure.

27.22.7.3.1.4.2 Procedure

Expected Sequence 1.1 (EVENT DOWNLOAD -CALL DISCONNECTED)

| Step | Direction | Message / Action | Comments |
|----------------------------------|---|---|-------------------------------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SET UP EVENT LIST | |
| | | 1.1.1 | |
| 2 | | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP | [EVENT: Call Disconnected active] |
| 4 | ME . LUCC | EVENT LIST 1.1.1 TERMINAL RESPONSE: SET UP | |
| 4 | $ME \rightarrow UICC$ | EVENT LIST 1.1.1 | |
| 5 | $USS \to ME$ | SETUP | [incoming call] Ti=0 |
| 6 | $USER \to ME$ | Accept Call Set Up | |
| 7 | $USS \to ME$ | RELEASE | [MT RELEASE] |
| 8 | $ME {\to} UICC$ | ENVELOPE: CALL | |
| | | DISCONNECTED 1.1.1 | |
| 9 | $USS \to ME$ | SETUP | [incoming call] Ti=0 |
| 10 | | Accept Call Set Up | |
| 11 | $USS \to ME$ | RELEASE COMPLETE | [MT RELEASE COMPLETE] |
| 12 | $ME \rightarrow UICC$ | ENVELOPE: CALL | |
| 40 | | DISCONNECTED 1.1.1 | Lincoming coll 1 Ti O |
| 13 | USS → ME | SETUP | [incoming call] Ti=0 |
| 14 | | Accept Call Set Up | |
| 15 | 00-11 / 111- | End Call | IMO DICCONNECTI |
| 16 | ME → USS | DISCONNECT | [MO DISCONNECT] |
| 17 | $ME \to UICC$ | ENVELOPE: CALL DISCONNECTED 1.1.2A | |
| | | | |
| | | I - | |
| | | | |
| | | or | |
| | | ENVELOPE: CALL | |
| | | DISCONNECTED 1.1.2C | |
| 18 | $USS \to ME$ | SETUP | [incoming call] Ti=0 |
| 19 | $USER \to ME$ | | |
| 20 | $USS \to ME$ | DISCONNECT | [MT DISCONNECT + CAUSE: normal call |
| | | 5. N. /51. O.D. 5. A.L. | clearing] |
| 21 | ME→ UICC | | |
| | | | |
| | | I - | |
| | | | |
| 22 | $USS \to MF$ | | $ _{Ti=0}$ |
| | | | - |
| | | | IRADIO LINK FAILUREI |
| 25 | | | [] |
| | 0.00 | DISCONNECTED 1.1.4A or 1.1.4B | |
| 19 20 21 22 23 24 | $\begin{array}{c} \text{USER} \rightarrow \text{ME} \\ \text{USS} \rightarrow \text{ME} \\ \\ \text{ME} \rightarrow \text{UICC} \\ \\ \\ \text{USS} \rightarrow \text{ME} \\ \end{array}$ | ENVELOPE: CALL DISCONNECTED 1.1.2C SETUP Accept Call Set Up DISCONNECT ENVELOPE: CALL DISCONNECTED 1.1.3A or ENVELOPE: CALL DISCONNECTED 1.1.3B SETUP Accept Call Set Up TX POWER to XX ENVELOPE: CALL | |

PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1

Logically:

Command details

Command number: 1

Command type: SET UP EVENT LIST

Command qualifier: '00'

Device identities

Source device: UICC Destination device: ME

Event list

Event 1: Call Disconnected

Coding:

| BER-TLV: | D0 | 0C | 81 | 03 | 01 | 05 | 00 | 82 | 02 | 81 | 82 | 99 | |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|---|
| | 01 | 02 | | | | | | | | | | | l |

TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1

Logically:

Command details

Command number: 1

Command type: SET UP EVENT LIST

Command qualifier: '00'

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 05 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

EVENT DOWNLOAD - CALL DISCONNECTED 1.1.1

Logically:

Event list: Call Disconnected

Device identities

Source device: Network
Destination device: UICC

Transaction identifier:

Ti value: 0 (bit 5-7)
Ti flag: 0 (bit 8)

Cause:

Coding:

| BER-TLV: | D6 | 0A | 19 | 01 | 02 | 82 | 02 | 83 | 81 | 1C | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

EVENT DOWNLOAD - CALL DISCONNECTED 1.1.2A

Logically:

Event list: Call Disconnected

Device identities

Source device: ME Destination device: UICC

Transaction identifier:

Ti value: 0 (bit 5-7) Ti flag: 1 (bit 8)

Coding:

| BER-TLV: | D6 | 0A | 19 | 01 | 02 | 82 | 02 | 82 | 81 | 1C | 01 | 80 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

EVENT DOWNLOAD - CALL DISCONNECTED 1.1.2B

Logically:

Event list: Call Disconnected

Device identities

Source device: ME
Destination device: UICC

Transaction identifier:

Ti value: 0 (bit 5-7) Ti flag: 1 (bit 8)

Cause: normal call clearing

Coding:

| BER-TLV: | D6 | 0E | 19 | 01 | 02 | 82 | 02 | 82 | 81 | 1C | 01 | 80 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 9A | 02 | 60 | 90 | | | | | | | | |

EVENT DOWNLOAD - CALL DISCONNECTED 1.1.2C

Logically:

Event list: Call Disconnected

Device identities

Source device: ME
Destination device: UICC

Transaction identifier:

Ti value: 0 (bit 5-7) Ti flag: 1 (bit 8)

Cause: normal call clearing

Coding:

| BER-TLV: | D6 | 0E | 19 | 01 | 02 | 82 | 02 | 82 | 81 | 1C | 01 | 80 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 9A | 02 | E0 | 90 | | | | | | | | |

EVENT DOWNLOAD - CALL DISCONNECTED 1.1.3A

Logically:

Event list: Call Disconnected

Device identities

Source device: Network
Destination device: UICC

Transaction identifier:

Ti value: 0 (bit 5-7) Ti flag: 0 (bit 8)

Cause: normal call clearing

Coding:

| BER-TLV: | D6 | 0E | 19 | 01 | 02 | 82 | 02 | 83 | 81 | 1C | 01 | 00 | |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|--|
| | 9A | 02 | 60 | 90 | | | | | | | | | |

EVENT DOWNLOAD - CALL DISCONNECTED 1.1.3B

Logically:

Event list: Call Disconnected

Device identities

Source device: Network
Destination device: UICC

Transaction identifier:

Ti value: 0 (bit 5-7) Ti flag: 0 (bit 8)

Cause: normal call clearing

Coding:

| BER-TLV: | D6 | 0E | 19 | 01 | 02 | 82 | 02 | 83 | 81 | 1C | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| _ | 9A | 02 | E0 | 90 | | | | | | | | |

EVENT DOWNLOAD - CALL DISCONNECTED 1.1.4A

Logically:

Event list: Call Disconnected

Device identities

Source device: ME
Destination device: UICC

Transaction identifier:

Ti value: 0 (bit 5-7)
Ti flag: 1 (bit 8)

Cause: radio link failure

Coding:

| BER-TLV: | D6 | 0C | 19 | 01 | 02 | 82 | 02 | 82 | 81 | 1C | 01 | 80 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 9A | 00 | | | | | | | | | | |

EVENT DOWNLOAD - CALL DISCONNECTED 1.1.4B

Logically:

Event list: Call Disconnected

Device identities

Source device: ME
Destination device: UICC

Transaction identifier:

Ti value: 0 (bit 5-7)
Ti flag: 0 (bit 8)

Cause: radio link failure

Coding:

| BER-TLV: | D6 | 0C | 19 | 01 | 02 | 82 | 02 | 82 | 81 | 1C | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 9A | 00 | | | | | | | | | | |

27.22.7.3.1.5 Test requirement

The behaviour of the test is as defined in 'Expected Sequence 1.1'.

27.22.7.4 Location Status Event

27.22.7.4.1 Location Status Event (normal)

27.22.7.4.1.1 Definition and applicability

See clause 3.2.2.

27.22.7.4.1.2 Conformance requirement

The ME shall support the EVENT: Location Status event as defined in:

- TS 31.111 [15] clause 5.2, 7.5 and clause 6.4.16

and

- UTRAN/GERAN for sequence 1.1
- E-UTRAN for sequence 1.2.

27.22.7.4.1.3 Test purpose

To verify that the ME informs the UICC that an Event: MM_IDLE state has occurred using the ENVELOPE (EVENT DOWNLOAD - Location Status) command.

To verify that the ME supporting E-UTRAN/EPC informs the UICC that an Event: EMM_IDLE state has occurred using the ENVELOPE (EVENT DOWNLOAD - Location Status) command.

To verify that the ME supporting E-UTRAN/EPC correctly encodes the E-UTRAN Cell Id in the ENVELOPE (EVENT DOWNLOAD - Location Status) command.

27.22.7.4.1.4 Method of test

27.22.7.4.1.4.1 Initial conditions

For sequence 1.1 the ME is connected to the USIM Simulator and the USS.

The elementary files are coded as the USIM Application Toolkit default.

The ME shall be powered on and perform the PROFILE DOWNLOAD procedure.

The GERAN/UTRAN parameters of the system simulator are:

- Mobile Country Code (MCC) = 001;
- Mobile Network Code (MNC) = 01;
- Location Area Code (LAC) = 0001;
- Cell Identity value = 0001;

The PCS 1900 parameters of the system simulator are:

- Mobile Country Code (MCC) = 001;
- Mobile Network Code (MNC) = 011;
- Location Area Code (LAC) = 0001;
- Cell Identity value = 0001.

Two cells are defined. Cell 1 has location area code 1 and cell 2 has location area code 2.

MS is in service on Cell 1.

For sequence 1.2 the ME is connected to the USIM Simulator and the E-USS.

The default E-UTRAN/EPC UICC is used.

The ME shall be powered on and perform the PROFILE DOWNLOAD procedure.

The E-UTRAN parameters of the system simulator are:

- Mobile Country Code (MCC) = 001;
- Mobile Network Code (MNC) = 01;

For cell 1:

- Tracking Area Code (TAC) = 0001;

- E-UTRAN Cell Id = 0001 (28 bits);

For cell 2:

- Tracking Area Code (TAC) = 0002;
- E-UTRAN Cell Id = 0002 (28 bits).

27.22.7.4.1.4.2 Procedure

Expected Sequence 1.1(EVENT DOWNLOAD -LOCATION STATUS)

| Step | Direction | Message / Action | Comments |
|------|-----------------------|---|--|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SET UP EVENT LIST | |
| | | 1.1.1 | |
| 2 | 11.12 | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP | |
| ١., | | EVENT LIST 1.1.1 | |
| 4 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SET UP | |
| 5 | USS | EVENT LIST 1.1.1 Cell 1 is switched off | |
| 6 | ME → UICC | ENVELOPE: EVENT DOWNLOAD | |
| 0 | IVIE → UICC | - Location Status 1.1.1 | |
| 7 | USS | Cell 2 is switched on after Location | |
| ' | 000 | Status 'No service' has been | |
| | | received in step 6 | |
| 8 | ME | ME performs cell reselection to cell | |
| | | 2 | |
| 9 | $ME \to USS$ | LOCATION UPDATING | The ME is CS and/or PS registered |
| | | REQUEST or ROUTING AREA | depending on its capabilities |
| 4.0 | | UPDATE REQUEST | |
| 10 | $USS \to ME$ | LOCATION UPDATING ACCEPT | |
| | | or ROUTING AREA UPDATE ACCEPT | |
| 11 | $ME \to USS$ | ITMSI REALLOCATION | |
| '' | IVIE → USS | COMPLETE or ROUTING AREA | |
| | | UPDATE COMPLETE | |
| 12 | $ME \rightarrow UICC$ | ENVELOPE: EVENT DOWNLOAD | Option A shall apply for GERAN/UTRAN |
| | , , , , , | - Location Status 1.1.2A | parameters] |
| | | or | Option B shall apply for PCS1900 |
| | | ENVELOPE: EVENT DOWNLOAD | parameters] |
| | | - Location Status 1.1.2B | [Note: The inclusion of the location |
| | | | information is optional: (If location status |
| | | | indicates normal status) |

PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1

Logically:

Command details

Command number: 1

Command type: SET UP EVENT LIST

Command qualifier: '00'

Device identities

Source device: UICC Destination device: ME

Event list

Event 1: Location status

Coding:

| BER-TLV: | D0 | 0C | 81 | 03 | 01 | 05 | 00 | 82 | 02 | 81 | 82 | 99 |
|------------|----|----|----|----|----|----|----|----|----|----|----|----|
| ' <u>-</u> | 01 | 03 | | | | | | | | | | |

TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1

Logically:

Command details

Command number:

Command type: SET UP EVENT LIST

Command qualifier: '00'

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 05 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

EVENT DOWNLOAD - LOCATION STATUS 1.1.1

Logically:

Event list: Location status

Device identities

Source device: ME
Destination device: UICC
Location status: No service

Coding:

| BER-TLV: | D6 | 0A | 19 | 01 | 03 | 82 | 02 | 82 | 81 | 1B | 01 | 02 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

EVENT DOWNLOAD - LOCATION STATUS 1.1.2A

Logically:

Event list: Location status

Device identities

Source device: ME
Destination device: UICC

Location status: normal service

Location Information

MCC & MNC the mobile country and network code (00F110)

LAC the location Area Code (0002)

Cell ID Cell Identity Value (0002)

Extended Cell ID RNC-id value (for Rel-4 onwards), see also Note 3

Coding:

| BER-TLV: | D6 | Note 1 | 19 | 01 | 03 | 82 | 02 | 82 | 81 | 1B | 01 | 00 |
|----------|----|-----------|----|----|----|----|----|----|----|-----------|----|----|
| | 13 | Note 2 | 00 | F1 | 10 | 00 | 02 | 00 | 02 | Note 3 | | |

Note 1: Depending on the presence of the Extended Cell Identity Value the length is '13' or '15'

Note 2: Depending on the presence of the Extended Cell Identity Value the length is '07' or '09'

Note 3: The Extended Cell Identity Value is present in Rel-4 and onwards implementations, the values of the two bytes shall not be verified

EVENT DOWNLOAD - LOCATION STATUS 1.1.2B

Logically:

Event list: Location status

Device identities

Source device: ME
Destination device: UICC

Location status: normal service

Location Information

MCC & MNC the mobile country and network code (001110)

LAC the location Area Code (0002)
Cell ID Cell Identity Value (0002)

Coding:

| BER-TLV: | D6 | 13 | 19 | 01 | 03 | 82 | 02 | 82 | 81 | 1B | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 13 | 07 | 00 | 11 | 10 | 00 | 02 | 00 | 02 | | | |

Expected Sequence 1.2 (EVENT DOWNLOAD -LOCATION STATUS, E-UTRAN)

| Step | Direction | Message / Action | Comments |
|------|-------------------------|--|--------------------------|
| 1 | ME | The ME is registered to cell one and in EMM_IDLE | |
| 2 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SET UP EVENT LIST 1.1.1 | |
| 3 | $ME \rightarrow UICC$ | | |
| 4 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1 | |
| 5 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1 | |
| 6 | E-USS | Cell 1 is switched off | |
| 7 | $ME \rightarrow UICC$ | ENVELOPE: EVENT DOWNLOAD - Location Status 1.2.1 | |
| 8 | E-USS | Cell 2 is switched on after Location Status 'No service' has been received in step 6 | |
| 9 | ME | ME performs cell reselection to cell 2 | |
| 10 | $ME \rightarrow E$ -USS | ME performs EPS ATTACH or TRACKING AREA UPDATE procedure | [E-UTRAN cell 2 accepts] |
| 11 | ME | ME reaches EMM_IDLE state | |
| 12 | $ME \rightarrow UICC$ | ENVELOPE: EVENT DOWNLOAD - Location Status 1.2.2 | |

PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1

Same as PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1 in sequence 1.1

TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1

Same as Terminal Response: SET UP EVENT LIST 1.1.1 in sequence 1.1

EVENT DOWNLOAD - LOCATION STATUS 1.2.1

Logically:

Event list: Location status

Device identities

Source device: ME
Destination device: UICC
Location status: No service

Coding:

| BER-TLV: | D6 | 0A | 19 | 01 | 03 | 82 | 02 | 82 | 81 | 1B | 01 | 02 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

EVENT DOWNLOAD - LOCATION STATUS 1.2.2

Logically:

Event list: Location status

Device identities

Source device: ME
Destination device: UICC

Location status: normal service

Location Information

MCC & MNC the mobile country and network code (00F110)

TAC 0002

E-UTRAN cell id: 0002 (28bits)

Coding:

| BER-TLV: | D6 | 15 | 19 | 01 | 03 | 82 | 02 | 82 | 81 | 1B | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| · | 13 | 09 | 00 | F1 | 10 | 00 | 02 | 00 | 00 | 00 | 2F | |

27.22.7.4.1.5 Test requirement

The behaviour of the test shall be as defined in expected sequences 1.1 and 1.2.

27.22.7.5 User Activity Event

27.22.7.5.1 User Activity Event (normal)

27.22.7.5.1.1 Definition and applicability

See clause 3.2.2.

27.22.7.5.1.2 Conformance Requirement

The ME shall support the EVENT DOWNLOAD -USER ACTIVITY as defined in:

- TS 31.111 [15] clause 5.2, clause 6.4.16, clause 6.8, clause 6.6.16, clause 6.11, clause 7.5, clause 8.6 and clause 8.25.

27.22.7.5.1.3 Test purpose

To verify that the ME performed correctly the procedure of USER ACTIVITY EVENT.

27.22.7.5.1.4 Method of Test

27.22.7.5.1.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The ME screen shall be in its normal stand-by display.

27.22.7.5.1.4.2 Procedure

Expected Sequence 1.1 (EVENT DOWNLOAD -USER ACTIVITY)

See ETSI TS 102 384 [26] in subclause 27.22.7.5.1.4.2, Expected Sequence 1.1.

27.22.7.5.1.5 Test requirement

The ME shall operate in the manner defined in expected sequence 1.1.

27.22.7.6 Idle screen available event

27.22.7.6.1 Idle Screen Available (normal)

27.22.7.6.1.1 Definition and applicability

See clause 3.2.2.

27.22.7.6.1.2 Conformance requirement

The ME shall support the EVENT: IDLE SCREEN AVAILABLE event as defined in:

- TS 31.111 [15] clause 4.7, clause 5.2, clause 6.4.16, clause 6.8, clause 7.5, and clause 8.25.

27.22.7.6.1.3 Test purpose

To verify that the ME informs the UICC that an Event: Idle Screen Available has occurred using the ENVELOPE (EVENT DOWNLOAD - IDLE SCREEN AVAILABLE) command.

27.22.7.6.1.4 Method of test

27.22.7.6.1.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure and be in updated idle mode on the USS.

27.22.7.6.1.4.2 Procedure

Expected Sequence 1.1 (EVENT DOWNLOAD - IDLE SCREEN AVAILABLE)

See ETSI TS 102 384 [26] in subclause 27.22.7.6.1.4.2, Expected Sequence 1.1.

27.22.7.6.1.5 Test requirement

The ME shall operate in the manner defined in expected sequence 1.1.

27.22.7.7 Card reader status event

27.22.7.7.1 Card Reader Status (normal)

27.22.7.7.1.1 Definition and applicability

See clause 3.2.2.

27.22.7.7.1.2 Conformance requirement

The ME shall support the EVENT: Call Card Reader Status event as defined in:

- TS 31.111 [15] clause 4.7, clause 4.9, clause 5.2, clause 6.4.16, clause 6.8, clause 7.5, clause 8.25, clause 8.33, annex F, annex G, clause 8.25 and clause 8.7.

27.22.7.7.1.3 Test purpose

To verify that the ME informs the UICC that an Event: Card Reader Status has changed using the ENVELOPE (EVENT DOWNLOAD - Card Reader Status) command.

The ME-Manufacturer can assign the card reader identifier from 0 to 7.

This test applies for MEs with only one additional card reader.

In this particular case the card reader identifier 1 is chosen.

27.22.7.7.1.4 Method of test

27.22.7.7.1.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The ME shall be powered on and perform the PROFILE DOWNLOAD procedure.

27.22.7.7.1.4.2 Procedure

Expected Sequence 1.1 (EVENT DOWNLOAD, Card reader status, Card reader 1, card reader attached, no card inserted)

See ETSI TS 102 384 [26] in subclause 27.22.7.7.1.4.2, Expected Sequence 1.1.

27.22.7.7.1.5 Test requirement

The behaviour of the test is as defined in expected Sequence 1.1.

27.22.7.7.2 Card Reader Status(detachable card reader)

27.22.7.7.2.1 Definition and applicability

See clause 3.2.2.

27.22.7.7.2.2 Conformance requirement

The ME shall support the EVENT: Call Card Reader Status event as defined in:

- TS 31.111 [15] clause 4.7, clause 4.9, clause 5.2, clause 6.4.16, clause 6.8, clause 7.5, clause 8.25, clause 8.33, annex F, annex G, clause 8.25 and clause 8.7.

27.22.7.7.2.3 Test purpose

To verify that the ME informs the UICC that an Event: Card Reader Status has changed using the ENVELOPE (EVENT DOWNLOAD - Card Reader Status) command.

The ME-Manufacturer can assign the card reader identifier from 0 to 7.

This test applies for MEs with only one additional card reader.

In this particular case the card reader identifier 1 is chosen as an example.

27.22.7.7.2.4 Method of test

27.22.7.7.2.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The ME shall be powered on and perform the PROFILE DOWNLOAD procedure.

27.22.7.7.2.4.2 Procedure

Expected Sequence 2.1 (EVENT DOWNLOAD, Detachable reader, Card reader 1, detachable card reader not attached, no card inserted)

See ETSI TS 102 384 [26] in subclause 27.22.7.7.2.4.2, Expected Sequence 2.1.

27.22.7.7.2.5 Test requirement

The behaviour of the test is as defined in expected Sequence 2.1.

27.22.7.8 Language selection event

27.22.7.8.1 Language selection event (normal)

27.22.7.8.1.1 Definition and applicability

See clause 3.2.2.

27.22.7.8.1.2 Conformance requirement

The ME shall support the EVENT: LANGUAGE SELECTION event as defined in:

- TS 31.111 [15] clause 4.7, clause 5.2, clause 6.4.16, clause 6.8, clause 7.5, and clause 8.25.

27.22.7.8.1.3 Test purpose

To verify that the ME informs the UICC that an Event: Language selection has occurred using the ENVELOPE (EVENT DOWNLOAD - LANGUAGE SELECTION) command.

27.22.7.8.1.4 Method of test

27.22.7.8.1.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as USIM Application Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The current language shall have been set to English. Another language has to be supported, German is an example.

27.22.7.8.1.4.2 Procedure

Expected Sequence 1.1 (EVENT DOWNLOAD - LANGUAGE SELECTION)

See ETSI TS 102 384 [26] in subclause 27.22.7.8.1.4.2, Expected Sequence 1.1.

27.22.7.8.1.5 Test requirement

The ME shall operate in the manner defined in expected sequence 1.1.

27.22.7.9 Browser termination event

27.22.7.9.1 Browser termination (normal)

27.22.7.9.1.1 Definition and applicability

This test is only applicable to ME's that support the EVENT: browser termination event driven information.

27.22.7.9.1.2 Conformance requirement

The ME shall support the EVENT: Browser termination event as defined in:

- TS 31.111 [15] clause 4.7, clause 5.2, clause 6.4.16, clause 6.8, clause 7.5, , clause 8.25, clause 8.51, annex F and clause 8.7.

27.22.7.9.1.3 Test purpose

To verify that the ME informs the UICC of an Event: Browser termination using the ENVELOPE (EVENT DOWNLOAD - Browser Termination) command.

This test applies for MEs which have a browser.

27.22.7.9.1.4 Method of test

27.22.7.9.1.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The ME shall be powered on and perform the PROFILE DOWNLOAD procedure.

A valid access to a Wap gateway is required. The default browser parameters (IP address, gateway/proxy identity, called number...) of the tested mobile shall be properly filled to access that gateway.

The Bearer Parameters defined in 27.22.4.26.1.4.1 shall be used.

27.22.7.9.1.4.2 Procedure

Expected Sequence 1.1 (EVENT DOWNLOAD - Browser termination)

| Step | Direction | Message / Action | Comments |
|------|-----------------------|-----------------------------------|-------------------------------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP | |
| | | EVENT LIST 1.1.1 PENDING | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP | [EVENT: Browser termination Status] |
| | | EVENT LIST 1.1.1 | |
| 4 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SET UP | [Successfully] |
| | | EVENT LIST 1.1.1 | |
| 5 | User→ME | Launch the browser with the URL | |
| | | selected by the user | |
| 6 | ME→USS | The ME attempts to launch the | |
| | | session with the default browser | |
| | | parameters and the URL selected | |
| _ | | by the user. | |
| 7 | User→ME | Stop the session and the browser. | |
| 8 | $ME \rightarrow UICC$ | ENVELOPE: BROWSER | |
| | | TERMINATION 1.1.1 | |

PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1

Logically:

Command details

Command number:

Command type: SET UP EVENT LIST

Command qualifier: '00'

Device identities

Source device: UICC
Destination device: ME

Event list

Event 1: Browser termination

Coding:

| BER-TLV: | D0 | 0C | 81 | 03 | 01 | 05 | 00 | 82 | 02 | 81 | 82 |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| | 99 | 01 | 08 | | | | | | | | |

TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1

Logically:

Command details

Command number: 1

Command type: SET UP EVENT LIST

Command qualifier: '00'

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 05 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

ENVELOPE: EVENT DOWNLOAD BROWSER TERMINATION 1.1.1

Logically:

Event list

Event 1: Browser termination

Device identities

Source device: ME
Destination device: UICC

Browser termination cause: User termination

Coding:

| BER-TLV: | D6 | 0A | 99 | 01 | 08 | 82 | 02 | 82 | 81 | B4 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

27.22.7.9.1.5 Test requirement

The ME shall operate in the manner defined in expected sequence 1.1.

27.22.7.10 Data available event

27.22.7.10.1 Definition and applicability

See clause 3.2.2.

27.22.7.10.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

Additionally the ME shall support ENVELOPE (EVENT DOWNLOAD - Data available).

27.22.7.10.3 Test purpose

To verify that the ME shall send an ENVELOPE (EVENT DOWNLOAD - Data available) to the UICC after the ME receives a packet of data from the server by the BIP channel previously opened.

27.22.7.10.4 Method of test

27.22.7.10.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table.. The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure. The UICC must have sent the SET UP EVENT LIST to the ME to supply a set of events (event Data available).

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The PROACTIVE COMMAND: SEND DATA 1.1.1 shall be performed successfully to detect the ME's port number, which has to be addressed by the network simulator when data has to be transmitted to the card. The corresponding Terminal Response shall be TERMINAL RESPONSE: SEND DATA 1.1.1.

The channel identifier value used for these tests is set to 1 as an example.

This channel identifier is dependent on the ME"s default channel identifier as declared in table A.2/27.

The following Bearer Parameters used are those defined in the default Test PDP context3, for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

27.22.7.10.4.2 Procedure

Expected sequence 1.1 (EVENT DOWNLOAD - Data available)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--|----------------------------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: | See initial conditions |
| | | OPEN CHANNEL 1.1.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: OPEN | [Command performed successfully] |
| | | CHANNEL 1.1.1 | |
| 4 | $ME \to USER$ | The ME may display channel opening | |
| | | information | |
| 5 | $ME \to USS$ | PDP context activation request | |
| 6 | $USS \to ME$ | PDP context activation accept | |
| 7 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: OPEN | |
| | | CHANNEL 1.1.1A | |
| | | or | |
| | | TERMINAL RESPONSE: OPEN | |
| _ | | CHANNEL 1.1.1B | |
| 8 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: | |
| | | SEND DATA 1.1.1 | |
| 9 | $ME \rightarrow UICC$ | FETCH | |
| 10 | $UICC \to ME$ | PROACTIVE COMMAND: SEND DATA | |
| | | (immediate) 1.1.1 | |
| 11 | $ME \to USS$ | Transfer of 8 Bytes of data to the USS | [To retrieve ME's port number] |
| 40 | | through channel 1 | [O |
| 12 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SEND DATA | [Command performed successfully] |
| 40 | LICO ME | (immediate) 1.1.1 | |
| 13 | $USS \to ME$ | Data sent through the BIP channel | |
| | | using the ME's port number, which was | |
| 14 | $ME \rightarrow UICC$ | retrieved in step 11 | |
| 14 | IVIE → UICC | ENVELOPE 1.1.1 (Event-Data | |
| | | Available) | |

PROACTIVE COMMAND: OPEN CHANNEL 1.1.1

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC
Destination device: ME

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1000 Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level Transport format: UDP

Port number: 44444
Data destination address 01.01.01.01

Coding:

BER-TLV

| D0 | 42 | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 81 | 82 | 35 |
|----|----|----|----|----|----|----|----|----|----|----|----|
| 07 | 02 | 03 | 04 | 03 | 04 | 1F | 02 | 39 | 02 | 03 | E8 |
| 47 | 0A | 06 | 54 | 65 | 73 | 74 | 47 | 70 | 02 | 72 | 73 |
| 0D | 80 | F4 | 55 | 73 | 65 | 72 | 4C | 6F | 67 | 0D | 80 |
| F4 | 55 | 73 | 65 | 72 | 50 | 77 | 64 | 3C | 03 | 01 | AD |
| 9C | 3E | 05 | 21 | 01 | 01 | 01 | 01 | | | | |

TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1000

Coding:

| BER-TLV: | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| • | 38 | 02 | 81 | 00 | 35 | 07 | 02 | 03 | 04 | 03 | 04 | 1F |
| | 02 | 39 | 02 | 03 | F8 | | | | | | | |

TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 00 Delay Class: 04 Reliability Class: 03 Peak throughput class: 04 Mean throughput class: 31 Packet data protocol: 02 (IP)

Buffer

Buffer size: 1000

Coding:

| BER-TLV: | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 38 | 02 | 81 | 00 | 35 | 07 | 02 | 00 | 04 | 03 | 04 | 1F |
| | 02 | 39 | 02 | 03 | E8 | | | | | | | |

PROACTIVE COMMAND: SEND DATA 1.1.1

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: UICC
Destination device: Channel 1

Channel Data

Channel Data: 00 01 .. 07 (8 Bytes of data)

Coding:

| BER-TLV: | D0 | 13 | 81 | 03 | 01 | 43 | 01 | 82 | 02 | 81 | 21 | B6 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 08 | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | | | |

TERMINAL RESPONSE: SEND DATA 1.1.1

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel data length: More than 255 bytes of space available in the Tx buffer

Coding:

| BER-TLV: | 81 | 03 | 01 | 43 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | B7 | 01 | FF | | | | | | | | | |

ENVELOPE: EVENT DOWNLOAD - Data available 1.1.1

Logically:

Event list

Event: Data available

Device identities

Source device: ME
Destination device: UICC

Channel status

Channel status: Channel 1 open, link established

Channel Data Length

Channel data length: 8 Bytes available in Rx buffer

Coding:

| BER-TLV: | D6 | 0E | 99 | 01 | 09 | 82 | 02 | 82 | 81 | B8 | 02 | 81 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | B7 | 01 | 08 | | | | | | | | |

27.22.7.10.1.5 Test requirement

The ME shall operate in the manner defined in expected sequence 1.1.

27.22.7.11 Channel Status event

27.22.7.11.1 Definition and applicability

See clause 3.2.2.

27.22.7.11.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

Additionally the ME shall support ENVELOPE (EVENT DOWNLOAD - Channel Status).

27.22.7.11.3 Test purpose

To verify that the ME shall send an ENVELOPE (EVENT DOWNLOAD - Channel Status) to the UICC after the link dropped between the NETWORK and the ME.

27.22.7.11.4 Method of test

27.22.7.11.4.1 Initial conditions

The ME is connected to the USIM Simulator and the System Simulator. The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The channel identifier value used for these tests is set to 1 as an example.

This channel identifier is dependent on the ME"s default channel identifier as declared in table A.2/27.

The following Bearer Parameters used are those defined in the default Test PDP context3, for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

27.22.7.11.4.2 Procedure

Expected sequence 1.1 (EVENT DOWNLOAD - Channel Status on a link dropped)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|------------------------------------|----------------------------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: | |
| | | SET UP EVENT LIST 1.1.1 | |
| 2 | $ME \rightarrow UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP | [EVENT: channel status] |
| | | EVENT LIST 1.1.1 | |
| 4 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SET UP | [command performed successfully] |
| | | EVENT LIST 1.1.1 | |
| 5 | $UICC \to ME$ | | See initial conditions |
| _ | | OPEN CHANNEL 1.1.1 | |
| 6 | $ME \rightarrow UICC$ | FETCH | |
| 7 | $UICC \to ME$ | PROACTIVE COMMAND: OPEN | |
| | | CHANNEL 1.1.1 | |
| 8 | $ME \to USER$ | The ME may display channel opening | |
| | | information | |
| 9 | $ME \rightarrow USS$ | PDP context activation request | |
| 10 | $USS \to ME$ | PDP context activation accept | |
| 11 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: OPEN | [Command performed successfully] |
| | | CHANNEL 1.1.1A | |
| | | or | |
| | | TERMINAL RESPONSE: OPEN | |
| 40 | | CHANNEL 1.1.1B | |
| 12 | $USS \to ME$ | Link dropped | |
| 13 | $ME \rightarrow UICC$ | ENVELOPE 1.1.1 (Event-Channel | |
| | | Status) | |

PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1

Logically:

Command details

Command number:

Command type: SET UP EVENT LIST

Command qualifier: '00'

Device identities

Source device: UICC Destination device: ME

Event list

Event 1: Channel Status

Coding:

| BER-TLV: | D0 | 0C | 81 | 03 | 01 | 05 | 00 | 82 | 02 | 81 | 82 |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| | 99 | 01 | 0A | | | | | | | | |

TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1

Logically:

Command details

Command number: 1

Command type: SET UP EVENT LIST

Command qualifier: '00'

Device identities

Source device: ME Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: 81 03 01 05 00 82 02 82 81 83 01 00 |
|--|
|--|

PROACTIVE COMMAND: OPEN CHANNEL 1.1.1

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC Destination device: ME

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1000 Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level
Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

Data destination address

Coding:

BER-TLV

| D0 | 42 | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 81 | 82 | 35 |
|----|----|----|----|----|----|----|----|----|----|----|----|
| 07 | 02 | 03 | 04 | 03 | 04 | 1F | 02 | 39 | 02 | 03 | E8 |
| 47 | 0A | 06 | 54 | 65 | 73 | 74 | 47 | 70 | 02 | 72 | 73 |
| 0D | 80 | F4 | 55 | 73 | 65 | 72 | 4C | 6F | 67 | 0D | 80 |
| F4 | 55 | 73 | 65 | 72 | 50 | 77 | 64 | 3C | 03 | 01 | AD |
| 9C | 3E | 05 | 21 | 01 | 01 | 01 | 01 | | | | |

TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03

Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1000

Coding:

| BER-TLV: | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 38 | 02 | 81 | 00 | 35 | 07 | 02 | 03 | 04 | 03 | 04 | 1F |
| | 02 | 39 | 02 | 03 | E8 | | | | | | | |

TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 00
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1000

Coding:

| BER-TLV: | 81 | 03 | 01 | 40 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 38 | 02 | 81 | 00 | 35 | 07 | 02 | 00 | 04 | 03 | 04 | 1F |
| | 02 | 39 | 02 | 03 | E8 | | | | | | | |

ENVELOPE: EVENT DOWNLOAD - Channel Status 1.1.1

Logically:

Event list

Event: Channel Status

Device identities

Source device: ME
Destination device: UICC

Channel status

Channel status: Channel 1, link dropped

Coding:

| BER-TLV: | D6 | 0B | 99 | 01 | 0A | 82 | 02 | 82 | 81 | B8 | 02 | 01 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 05 | | | | | | | | | | | |

27.22.7.11.1.5 Test requirement

The ME shall operate in the manner defined in expected sequence 1.1.

27.22.7.12 Access Technology Change event

27.22.7.12.1.1 Definition and applicability

See clause 3.2.2.

27.22.7.12.1.2 Conformance requirement

The ME shall support the EVENT: Access Technology Change event E-UTRAN as defined in:

- TS 31.111 [15] clause 4.7, 4.12, 7.5.12 and clause 8.61.

27.22.7.12.1.3 Test purpose

If the Access Technology Change event is part of the current event list (as set up by the last SET UP EVENT LIST command), then, when the terminal detects a change in its current access technology, verify that the terminal shall inform the UICC that this has occurred, by using the ENVELOPE (EVENT DOWNLOAD - Access Technology Change).

If the event is set up with support for multiple access technologies, the UICC shall be informed if any of the access technologies changes.

27.22.7.12.1.4 Method of test

27.22.7.12.1.4.1 Initial conditions

The ME is connected to the USIM Simulator and the UMTS System Simulator.

The default E-UTRAN/EPC UICC is used.

The ME shall be powered on and perform the PROFILE DOWNLOAD procedure.

The E- UTRAN parameters of the system simulator are:

- Mobile Country Code (MCC) = 001;
- Mobile Network Code (MNC) = 01;
- Tracking Area Code (TAC) = 0001;
- E-UTRAN Cell Identity value = 0001 (28 bits);

The UTRAN parameters of the system simulator are:

- Mobile Country Code (MCC) = 001;
- Mobile Network Code (MNC) = 01;
- Location Area Code (LAC) = 0001;
- Cell Identity value = 0001;

Expected Sequence 1.1 (EVENT DOWNLOAD – Access Technology Change, single access technology)

| Step | Direction | Message / Action | Comments |
|------|-----------|--------------------------------------|--|
| 1 | UICC → ME | PROACTIVE COMMAND PENDING: | |
| | | SET UP EVENT LIST 1.1.1 | |
| 2 | ME → UICC | FETCH | |
| 3 | UICC → ME | PROACTIVE COMMAND: SET UP | |
| | | EVENT LIST 1.1.1 | |
| 4 | ME → UICC | TERMINAL RESPONSE: SET UP | |
| | | EVENT LIST 1.1.1 | |
| 5 | E-USS | ME detects a change in its current | E-UTRA cell is enabled and UTRA cell is |
| | | access technology | disabled |
| 6 | ME → UICC | ENVELOPE: EVENT DOWNLOAD - | Access Technology = E-UTRAN |
| | | Access technology change Event 1.1.1 | |
| 7 | E-USS | ME detects a change in its current | E-UTRA cell is disabled and UTRA cell is |
| | | access technology | enabled |
| 8 | ME → UICC | ENVELOPE: EVENT DOWNLOAD - | Access Technology = UTRAN |
| | | Access technology change Event 1.1.2 | |

PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1

Logically:

Command details

Command number:

Command type: SET UP EVENT LIST

Command qualifier: '00'

Device identities

Source device: UICC Destination device: ME

Event list

Event 1: Access Technology Change (single access technology)

Coding:

| BER-TLV: | D0 | 0C | 81 | 03 | 01 | 05 | 00 | 82 | 02 | 81 | 82 | 99 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 01 | 0B | | | | | | | | | | |

TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1

Logically:

Command details

Command number: 1

Command type: SET UP EVENT LIST

Command qualifier: '00'

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 05 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

ENVELOPE: EVENT DOWNLOAD - Access Technology Change 1.1.1

Logically:

Event list: Access Technology Change (single access technology)

Device identities

Source device: ME
Destination device: UICC
Access Technology: E-UTRAN

Coding:

| BER-TLV: | D6 | 0A | 19 | 01 | 0B | 82 | 02 | 82 | 81 | 3F | 01 | 08 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

ENVELOPE: EVENT DOWNLOAD – Access Technology Change 1.1.2

Logically:

Event list: Access Technology Change (single access technology)

Device identities

Source device: ME
Destination device: UICC
Access Technology: UTRAN

Coding:

| BER-TLV: | D6 | 0A | 19 | 01 | 0B | 82 | 02 | 82 | 81 | 3F | 01 | 03 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

Expected Sequence 1.2 (EVENT DOWNLOAD – Access Technology Change, multiple access technologies)

TBD

27.22.7.13 Display parameter changed event

TBD

27.22.7.14 Local Connection event

TBD

27.22.7.15 Network search mode change event

27.22.7.15.1 Definition and applicability

See clause 3.2.2.

27.22.7.15.2 Conformance requirements

The ME shall support the network search mode mechanism, as described in TS 31.111 [15] clause 4.13.

27.22.7.11.3 Test purpose

To verify that the ME sends an ENVELOPE (EVENT DOWNLOAD – Network search mode change) to the UICC when network search mode is changed in ME.

27.22.7.11.4 Method of test

27.22.7.11.4.1 Initial conditions

The ME is connected to the USIM Simulator. The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The ME is configured in automatic network search mode.

27.22.7.11.4.2 Procedure

Expected sequence 1.1 (EVENT DOWNLOAD – Network search mode change)

| Step | Direction | MESSAGE / Action | Comments |
|------|-----------------------|--|----------------------------------|
| 1 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: | |
| | | SET UP EVENT LIST 1.1.1 | |
| 2 | $ME \to UICC$ | FETCH | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1 | [EVENT: network search mode] |
| 4 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1 | [command performed successfully] |
| 5 | User | The user sets the ME to manual network selection mode | |
| 6 | $ME \to UICC$ | ENVELOPE 1.1.1 (Event - Network search mode change) | [changed to manual] |
| 7 | User | The user sets the ME to automatic network selection mode | |
| 8 | $ME \rightarrow UICC$ | ENVELOPE 1.1.2 (Event - Network search mode change) | [changed to automatic] |

PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1

Logically:

Command details

Command number: 1

Command type: SET UP EVENT LIST

Command qualifier: '00'

Device identities

Source device: UICC Destination device: ME

Event list

Event 1: Network search mode change

Coding:

| BER-TLV: | D0 | 0C | 81 | 03 | 01 | 05 | 00 | 82 | 02 | 81 | 82 |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| · | 99 | 01 | 0E | | | | | | | | |

TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1

Logically:

Command details

Command number: 1

Command type: SET UP EVENT LIST

Command qualifier: '00'

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 05 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

ENVELOPE: EVENT DOWNLOAD - Network search mode change 1.1.1

Logically:

Event list

Event: Network search mode change

Device identities

Source device: ME
Destination device: UICC

Network search mode

Network search mode: manual

Coding:

| BER-TLV: | D6 | 0A | 99 | 01 | 0E | 82 | 02 | 82 | 81 | E5 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

ENVELOPE: EVENT DOWNLOAD - Network search mode change 1.1.2

Logically:

Event list

Event: Network search mode change

Device identities

Source device: ME
Destination device: UICC

Network search mode

Network search mode: automatic

Coding:

| BER-TLV: | D6 | 0A | 99 | 01 | 0E | 82 | 02 | 82 | 81 | E5 | 01 | 01 | |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|--|
|----------|----|----|----|----|----|----|----|----|----|----|----|----|--|

27.22.7.11.1.5 Test requirement

The ME shall operate in the manner defined in expected sequence 1.1.

27.22.7.16 Browsing status event

TBD

27.22.7.17 Network Rejection Event

27.22.7.17.1.1 Definition and applicability

See clause 3.2.2.

27.22.7.17.1.2 Conformance requirement

The ME shall support the EVENT: Network Rejection event E-UTRAN as defined in:

- TS 31.111 [15] clause 4.7, 5.2, 7.5.2, 8.62 and clause 8.99.

27.22.7.17.1.3 Test purpose

To verify that the ME informs the UICC with the Event Network Rejection about the Network Rejection.

To verify that the Rejection Cause Code sent to the UICC is the value from the EMM cause information element received from the E-UTRAN.

To verify that the correct Access Technology is indicated ENVELOPE: EVENT DOWNLOAD - Network Rejection after the unsuccessful attempt to access the E-UTRAN.

To verify that the correct Update/Attach Type is indicated ENVELOPE: EVENT DOWNLOAD - Network Rejection.

27.22.7.17.1.4 Method of test

Initial conditions 27.22.7.17.1.4.1

The ME is connected to the USIM Simulator and the E-USS.

The default E-UTRAN/EPC UICC is used.

The ME shall be powered on and perform the PROFILE DOWNLOAD procedure.

The E-UTRAN parameters of the system simulator are:

- Mobile Country Code (MCC) = 001;
- Mobile Network Code (MNC) = 01;
- Tracking Area Code (TAC) = 0001;

27.22.7.17.1.4.2 Procedure

Expected Sequence 1.1 (EVENT DOWNLOAD - Network Rejection, ATTACH REJECT)

| Step | Direction | Message / Action | Comments |
|------|-------------------------------|---|----------|
| 1 | E-USS | No E-UTRAN available | |
| 2 | $USER \to ME$ | Switch on the terminal | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SET UP EVENT LIST | |
| | | 1.1.1 | |
| 4 | $ME \to UICC$ | | |
| 5 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP | |
| | | EVENT LIST 1.1.1 | |
| 6 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SET UP | |
| | | EVENT LIST 1.1.1 | |
| 7 | E-USS | The E-UTRAN cell is switched on | |
| 8 | $USER { ightarrow} ME$ | The terminal is made to start a | |
| | | registration attempt to the E-USS | |
| 9 | $ME \rightarrow E\text{-}USS$ | The terminal requests RRC | |
| | | CONNECTION and therefore | |
| | | starts the EPS Attach procedure | |
| 10 | E-USS→ ME | The E-USS sends EMM ATTACH | |
| | | REJECT with cause "PLMN not | |
| | | allowed" | |
| 11 | $ME \rightarrow UICC$ | ENVELOPE: EVENT DOWNLOAD | |
| | | Network Rejection 1.1.1 | |

PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1

Logically:

Command details

Command number:

Command type: SET UP EVENT LIST

Command qualifier: '00'

Device identities

Source device: **UICC** Destination device: ME

Event list

Event 1: Network Rejection

Coding:

| BER-TLV: | D0 | 0C | 81 | 03 | 01 | 05 | 00 | 82 | 02 | 81 | 82 | 99 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 01 | 12 | | | | | | | | | | |

TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1

Logically:

Command details

Command number: 1

Command type: SET UP EVENT LIST

Command qualifier: '00'

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 05 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 | l |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|---|
|----------|----|----|----|----|----|----|----|----|----|----|----|----|---|

ENVELOPE: EVENT DOWNLOAD - Network Rejection 1.1.1

Logically:

Event list: Network Rejection

Device identities

Source device: Network
Destination device: UICC

Tracking Area Identification

MCC: 001
MNC: 01
TAC: 0001
Access Technology: E-UTRAN
Update/Attach Type: EPS Attach

Rejection Cause Code: PLMN not allowed

Coding:

| BER-TLV: | D6 | 17 | 19 | 01 | 12 | 82 | 02 | 83 | 81 | 7D | 05 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | F1 | 10 | 00 | 01 | 3F | 01 | 08 | 74 | 01 | 09 | 75 | 01 |
| | 0B | | | | | | | | | | | |

Expected Sequence 1.2 (EVENT DOWNLOAD – Network Rejection, TRACKING AREA UPDATE REJECT)

| Step | Direction | Message / Action | Comments |
|------|---------------------------|---|----------|
| 1 | E-USS | No E-UTRAN available | |
| 2 | $USER \to ME$ | Switch on the terminal | |
| 3 | $UICC \to ME$ | PROACTIVE COMMAND | |
| | | PENDING: SET UP EVENT LIST | |
| | | 1.1.1 | |
| 4 | $ME \rightarrow UICC$ | FETCH | |
| 5 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP | |
| | | EVENT LIST 1.1.1 | |
| 6 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SET UP | |
| | | EVENT LIST 1.1.1 | |
| 7 | E-USS | The E-UTRAN cell is switched on | |
| 8 | $USER \rightarrow ME$ | The terminal is made to start a | |
| | | registration attempt to the E-USS | |
| 9 | ME→ E-USS | The terminal send TRACKING | |
| | | AREA UPDATE request | |
| 10 | E -USS \rightarrow ME | The E-USS sends EMM ATTACH | |
| | | REJECT with cause "TRACKING | |
| | | AREA not allowed" | |
| 11 | $ME \rightarrow UICC$ | ENVELOPE: EVENT DOWNLOAD | |
| | | Network Rejection 1.2.1 | |

EVENT DOWNLOAD - Network Rejection 1.2.1

Logically:

Event list: Network Rejection

Device identities

Source device: Network
Destination device: UICC

Tracking Area Identification

MCC: 001
MNC: 01
TAC: 0001
Access Technology: E-UTRAN
Update/Attach Type: TA Updating

Rejection Cause Code: Tracking Area not allowed

Coding:

| BER-TLV: | D6 | 17 | 19 | 01 | 12 | 82 | 02 | 83 | 81 | 7D | 05 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | F1 | 10 | 00 | 01 | 3F | 01 | 08 | 74 | 01 | 0B | 75 | 01 |
| | 0C | | | | | | | | | | | |

27.22.7.17.1.5 Test requirement

The ME shall operate in the manner defined in expected sequences 1.1 and 1.2.

27.22.7.18 CSG Cell Selection event

27.22.7.18.1 CSG Cell Selection (normal)

27.22.7.18.1.1 Definition and applicability

See clause 3.2.2.

27.22.7.18.1.2 Conformance requirement

The ME shall support the EVENT: CSG Cell selection as defined in:

- TS 31.111 [15] clause 4.7, clause 5.2, clause 6.4.16, clause 6.8, clause 7.5, clause 8.25, 8.101, 8.102, 8.103.

27.22.7.18.1.3 Test purpose

To verify that the ME informs the UICC that an Event: CSG Cell selection has occurred using the ENVELOPE (EVENT DOWNLOAD - CSG Cell selection) command when the ME detects a change in its current CSG cell selection status.

27.22.7.18.1.4 Method of test

27.22.7.18.1.4.1 Initial conditionsThe ME is connected to the USIM Simulator and the E-USS.

The ME shall be powered on and perform the PROFILE DOWNLOAD procedure.

The E-USS transmits on three cells:

Network parameters of cell 1:

- TAI (MCC/MNC/TAC): 246/081/0001.

Access control: unrestricted.

- csg-Indication: TRUE

- csg-Identity: 01

- Broadcast information: Cell 3 is included in the neighbour list information.

Network parameters of cell 2:

- TAI (MCC/MNC/TAC): 246/081/0002.

Access control: unrestricted.

- csg-Indication: TRUE

csg-Identity: 02

- Home (e)NB Name HOME 02

Network parameters of cell 3:

- TAI (MCC/MNC/TAC): 246/081/0003.

Access control: unrestricted.

csg-Indication: FALSE

Cell 1 and Cell 2 are initially disabled. Cell 3 is enabled.

The default E-UTRAN/EPC UICC, the default E-UTRAN parameters and the following parameters are used:

EF_{UST} (USIM Service Table)

EF_{UST} shall be configured as defined in 27.22.2B.1 with the exception that Service 86 "Allowed CSG Lists and corresponding indications" is available.EF_{ACSGL} (Allowed CSG Lists)Logically:

1st CSG list

PLMN: 246 081 (MCC MNC)

1st CSG list 1st CSG Type indication 01 1st CSG list 1st CSG HNB Name indication 01 1st CSG list 1st CSG CSG ID: 01 (27bit)

| Byte: | B01 | B02 | B03 | B04 | B05 | B06 | B07 | B08 | B09 | B10 |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Coding: | A0 | 0E | 80 | 03 | 42 | 16 | 80 | 81 | 06 | 01 |
| | B11 | B12 | B13 | B14 | B15 | | | | | |
| | 01 | 00 | 00 | 00 | 3F | | | | | |

All other records are empty.

EF_{CSGT} (CSG Type)

Record 1:

Logically: Group ONE

| Byte: | B01 | B02 | B03 | B04 | B05 | B06 | B07 | B08 | B09 | B10 |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Coding: | 89 | 13 | 80 | 00 | 47 | 00 | 72 | 00 | 6F | 00 |
| | B11 | B12 | B13 | B14 | B15 | B16 | B17 | B18 | B19 | B20 |
| | 75 | 00 | 70 | 00 | 20 | 00 | 4F | 00 | 4E | 00 |
| | B21 | B22 | B23 | B24 | B25 | B26 | B27 | B28 | B29 | B30 |
| | 45 | FF | FF | FF | FF | FF | FF | FF | FF | FF |

EF_{HNBN} (Home (e)NodeB Name)

Record 1:

Logically: Home ONE

| Bvte: | B01 | B02 | B03 | B04 | B05 | B06 | B07 | B08 | B09 | B10 |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | _ | | _ | | | _ | | | _ |
| Coding: | 80 | 11 | 80 | 00 | 48 | 00 | 6F | 00 | 6D | 00 |
| | B11 | B12 | B13 | B14 | B15 | B16 | B17 | B18 | B19 | B20 |
| | 65 | 00 | 20 | 00 | 4F | 00 | 4E | 00 | 45 | FF |
| | B21 | B22 | B23 | B24 | B25 | B26 | B27 | B28 | B29 | B30 |
| | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF |

27.22.7.18.1.4.2 Procedure

Expected Sequence 1.1 (EVENT DOWNLOAD - CSG Cell Selection event)

| Step | Direction | Message / Action | Comments |
|------|-----------------------|--|---|
| 1 | ME | The ME is registered to cell 3 and in EMM_IDLE | Cell 3 = macro cell |
| 2 | $UICC \to ME$ | PROACTIVE COMMAND PENDING: SET UP EVENT LIST 1.1.1 | |
| 3 | $ME \to UICC$ | FETCH | |
| 4 | $UICC \to ME$ | PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1 | |
| 5 | $ME \rightarrow UICC$ | TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1 | |
| 6 | E-USS | Cell 2 is enabled | |
| 7 | User→ ME | A manual CSG cell selection is performed. CSG ID=02 is selected. | |
| 8 | E-USS→ME | AttachReject with rejection cause #25 (not authorized for this CSG) | No ENVELOPE command is sent. |
| 9 | E-USS | Cell 2 is disabled Cell 1 is enabled | |
| 10 | User→ME | A manual CSG cell selection is performed. CSG ID=01 is selected. | |
| 11 | ME → UICC | ENVELOPE: EVENT DOWNLOAD - CSG Cell selection 1.1.1A OR ENVELOPE: EVENT DOWNLOAD - CSG Cell selection 1.1.1B | Camping on CSG cell, CSG ID=01 |
| 12 | E-USS | Cell 1 is disabled | |
| 13 | ME → UICC | = ENVELOPE: EVENT DOWNLOAD - CSG Cell selection 1.1.2 | Leaving CSG cell with CSG ID=01. Not camped on a CSG cell. |
| | | | |

PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1

Logically:

Command details

Command number: 1

Command type: SET UP EVENT LIST

Command qualifier: '00'

Device identities

Source device: UICC Destination device: ME

Event list

Event 1: '15' CSG Cell selection Event

Coding:

| BER-TLV: | D0 | 0C | 81 | 03 | 01 | 05 | 00 | 82 | 02 | 81 | 82 | 99 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 01 | 15 | | | | | | | | | | |

TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1

Logically:

Command details

Command number: 1

Command type: SET UP EVENT LIST

Command qualifier: '00'

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 05 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|-----|----|----|----|----|----|----|----|----|----|
| | 0. | 00 | 0 1 | 00 | 00 | 02 | 02 | 02 | 0. | 00 | 0. | 00 |

EVENT DOWNLOAD - CSG CELL SELECTION 1.1.1A

Logically:

Event list

Event 1: CSG Cell selection

Device identities

Source device: Network
Destination device: UICC

Access Technology

Technology: E-UTRAN

CSG Cell selection status: Byte 1 = "01" (camped on a CSG or Hybrid cell of the Operator CSG list or

Allowed CSG list), additional information not available

CSG id 01 (27 bit)

HNB name "Home ONE" (from USIM)

Coding:

| BER-TLV: | D6 | 27 | 19 | 01 | 15 | 82 | 02 | 83 | 81 | 3F | 01 | 08 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 55 | 02 | 01 | 00 | 56 | 04 | 00 | 00 | 00 | 3F | 57 | 11 |
| | 80 | 00 | 48 | 00 | 6F | 00 | 6D | 00 | 65 | 00 | 20 | 00 |
| | 4F | 00 | 4E | 00 | 45 | | | | | | | |

EVENT DOWNLOAD - CSG CELL SELECTION 1.1.1B

Logically:

Event list

Event 1: CSG Cell selection

Device identities

Source device: Network
Destination device: UICC

Access Technology

Technology: E-UTRAN

CSG Cell selection status: Byte 1 = "01" (camped on a CSG or Hybrid cell of the Operator CSG list of

Allowed CSG list), additional information: result of a manual CSG cell

selection.

CSG id 01 (27 bit)

HNB name "Home ONE" (from USIM)

Coding:

| BER-TLV: | D6 | 27 | 19 | 01 | 15 | 82 | 02 | 83 | 81 | 3F | 01 | 80 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 55 | 02 | 01 | 41 | 56 | 04 | 00 | 00 | 00 | 3F | 57 | 11 |
| | 80 | 00 | 48 | 00 | 6F | 00 | 6D | 00 | 65 | 00 | 20 | 00 |
| | 4F | 00 | 4E | 00 | 45 | | | | | | | |

EVENT DOWNLOAD - CSG CELL SELECTION 1.1.2

Logically:

Event list

Event 1: CSG Cell selection

Device identities

Source device: Network
Destination device: UICC

Access Technology

Technology: E-UTRAN

CSG Cell selection status: Byte 1 = '00' (Not camped on a CSG or Hybrid cell), additional information

not available

Coding:

| BER-TLV: | D6 | 0E | 19 | 01 | 15 | 82 | 02 | 83 | 81 | 3F | 01 | 08 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 55 | 02 | 00 | 00 | | | | | | | | |

27.22.7.18.1.5 Test requirement

The ME shall operate in the manner defined in expected sequence 1.1.

27.22.8 MO SHORT MESSAGE CONTROL BY USIM

27.22.8.1 Definition and applicability

See clause 3.2.2.

27.22.8.2 Conformance requirement

The ME shall support the MO SEND SHORT MESSAGE CONTROL facility as defined in:

- TS 31.111 [15] clause 7.3.2.

The ME shall also support the SEND SMS facitily as specified in

- TS 31.111 [15] clause 6.4.10

27.22.8.3 Test purpose

To verify that for all SMS sending attempts, even those resulting from a SEND SHORT MESSAGE proactive UICC command, the ME shall first pass the RP_destination_address of the service center and the TP_Destination_Address to the UICC, using the ENVELOPE (MO Short Message CONTROL).

To verify that if the UICC responds with '90 00', the ME shall send the SMS with the address unchanged.

To verify that if the UICC responds with '93 00', the ME shall not send the SMS and may retry the command.

To verify that if the UICC returns response data, the ME shall use the response data appropriately to send the SM as proposed, not send the SM, or send the SM using the data supplied by the UICC.

To verify that, in the case where the initial SM request results from a proactive SEND SHORT MESSAGE, if the MO SMS CONTROL result is "not allowed" or "allowed with modifications", the ME shall inform the UICC using TERMINAL RESPONSE "interaction with call control by UICC or MO short message control by USIM, action not allowed".

27.22.8.4 Method of tests

27.22.8.4.1 Initial conditions

The ME is connected to the System Simulator and the USIM Simulator.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The MO SMS control service is available in the USIM Service Table.

The SMS service center address in the ME shall be set to '+112233445566778' prior to the execution of the tests.

The GERAN/UTRAN parameters of the system simulator are:

- Mobile Country Code (MCC) = 001;
- Mobile Network Code (MNC) = 01;
- Location Area Code (LAC) = 0001;
- Cell Identity value = 0001;

The PCS 1900 parameters of the system simulator are:

- Mobile Country Code (MCC) = 001;
- Mobile Network Code (MNC) = 011;
- Location Area Code (LAC) = 0001;
- Cell Identity value = 0001.

27.22.8.4.2 Procedure

Expected Sequence 1.1 (MO SM CONTROL BY USIM, with Proactive command, Allowed, no modification')

| Step | Direction | Message / Action | Comments |
|------|------------|------------------------------------|--|
| 1 | UICC -> ME | PROACTIVE COMMAND PENDING: SEND | |
| | | SHORT MESSAGE 1.1.1 | |
| 2 | ME -> UICC | FETCH | |
| 3 | UICC -> ME | PROACTIVE COMMAND: SEND SHORT | |
| | | MESSAGE 1.1.1 | |
| 4 | ME -> USER | Display "Send SM" | [Alpha Identifier] |
| 5 | ME -> UICC | ENVELOPE: MO SHORT MESSAGE CONTROL | [Option A shall apply for GERAN/UTRAN |
| | | 1.1.1A | parameters] |
| | | Or | [Option B shall apply for PCS1900 |
| | | ENVELOPE: MO SHORT MESSAGE CONTROL | parameters] |
| | | 1.1.1B | |
| 6 | UICC -> ME | MO SMS CONTROL RESULT 1.1.1 | ['Allowed, no modification'] |
| 7 | ME -> USS | Send SMS-PP Message 1.1 | [The ME sends the SM containing SMS-PP |
| | | | (SEND SHORT MESSAGE) Message 1.1 |
| | | | without modification] |
| 8 | USS -> ME | SMS RP-ACK | |
| 9 | ME -> UICC | TERMINAL RESPONSE: SEND SHORT | |
| | | MESSAGE 1.1.1 | |

PROACTIVE COMMAND: SEND SHORT MESSAGE 1.1.1

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: "Send SM"

Address

TON: International number

NPI: "ISDN / telephone numbering plan"

Dialling number string "112233445566778"

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD Instruct the SC to accept an SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-RP TP-Reply-Path is not set in this SMS-SUBMIT TP-UDHI TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "00"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "012345678"

TP-PID Short message type 0

TP-DCS

Message coding 8-bit data Message class class 0 TP-UDL 12

TP-UD "Test Message"

Coding:

| BER-TLV: | D0 | 37 | 81 | 03 | 01 | 13 | 00 | 82 | 02 | 81 | 83 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 07 | 53 | 65 | 6E | 64 | 20 | 53 | 4D | 86 | 09 | 91 | 11 |
| | 22 | 33 | 44 | 55 | 66 | 77 | F8 | 8B | 18 | 01 | 00 | 09 |
| | 91 | 10 | 32 | 54 | 76 | F8 | 40 | F4 | 0C | 54 | 65 | 73 |
| | 74 | 20 | 4D | 65 | 73 | 73 | 61 | 67 | 65 | | | |

SMS-PP (SEND SHORT MESSAGE) Message 1.1

Logically:

SMS RPDU

RP-Originator Address not used RP-Destination SMSC Address

TON International number

NPI "ISDN / telephone numbering plan"

Address value "112233445566778"

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD Instruct the SC to accept an SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-RP TP-Reply-Path is not set in this SMS-SUBMIT TP-UDHI TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "01"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "012345678"

TP-PID Short message type 0

TP-DCS

Message coding8-bit dataMessage classclass 0TP-UDL12

TP-UD "Test Message"

Coding:

| Coding | 00 | 09 | 91 | 11 | 22 | 33 | 44 | 55 | 66 | 77 | F8 | 18 |
|--------|----|----|----|----|----|----|----|----|----|----|----|----|
| _ | 01 | 01 | 09 | 91 | 10 | 32 | 54 | 76 | F8 | 40 | F4 | 0C |
| | 54 | 65 | 73 | 74 | 20 | 4D | 65 | 73 | 73 | 61 | 67 | 65 |

ENVELOPE MO SHORT MESSAGE CONTROL 1.1.1A

Logically:

Device identities

Source device: ME
Destination device: UICC

RP Destination Address

TON: International

NPI: "ISDN / telephone numbering plan" or "unknown"

Dialling number string '112233445566778'

TP Destination Address

TON: International

NPI: "ISDN / telephone numbering plan" or "unknown"

Dialling number string '012345678'

Location Information

MCC & MNC the mobile country and network code (00F110)

LAC the location Area Code (0001)
Cell ID Cell Identity Value (0001)

Extended Cell ID RNC-id value (for Rel-4 onwards), see also Note 3

Coding:

| Coding | D5 | Note 1 | 02 | 02 | 82 | 81 | 06 | 09 | 91 | 11 | 22 |
|--------|----|--------|----|----|--------|----|----|----|----|----|----|
| | 33 | 44 | 55 | 66 | 77 | F8 | 06 | 06 | 91 | 10 | 32 |
| | 54 | 76 | F8 | 13 | Note 2 | 00 | F1 | 10 | 00 | 01 | 00 |
| | 01 | Note 3 | | | | | | | | | |

Note 1: Length of BER-TLV is '20' plus the actual length of all the present optional SIMPLE-TLV data objects.

Note 2: Depending on the presence of the Extended Cell Identity Value the length is '07' or '09'

Note 3: The Extended Cell Identity Value is present in Rel-4 and onwards implementations, the values of the two bytes shall not be verified.

ENVELOPE MO SHORT MESSAGE CONTROL 1.1.1B

Logically:

Device identities

Source device: ME
Destination device: UICC

RP Destination Address

TON: International

NPI: "ISDN / telephone numbering plan" or "unknown"

Dialling number string '112233445566778'

TP Destination Address

TON: International

NPI: "ISDN / telephone numbering plan" or "unknown"

Dialling number string '012345678'

Location Information

MCC & MNC the mobile country and network code (001110)

LAC the location Area Code (0001)
Cell ID Cell Identity Value (0001)

Coding:

| BER-TLV: | D5 | 20 | 02 | 02 | 82 | 81 | 06 | 09 | 91 | 11 | 22 |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| | 33 | 44 | 55 | 66 | 77 | F8 | 06 | 06 | 91 | 10 | 32 |
| | 54 | 76 | F8 | 13 | 07 | 00 | 11 | 10 | 00 | 01 | 00 |
| | 01 | | | | | | | | | | |

MO SHORT MESSAGE CONTROL RESULT 1.1.1

Logically:

MO Short Message control result : '00' = Allowed, no modification

Coding:

BER-TLV: 00 00

TERMINAL RESPONSE: SEND SHORT MESSAGE 1.1.1

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER- | ·TLV: | 81 | 03 | 01 | 13 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 | |
|------|-------|----|----|----|----|----|----|----|----|----|----|----|----|--|
|------|-------|----|----|----|----|----|----|----|----|----|----|----|----|--|

Expected Sequence 1.2 (MO SM CONTROL BY USIM, with user SMS, Allowed, no modification')

| Step | Direction | Message / Action | Comments |
|------|------------|---|--|
| 1 | USER -> ME | The user makes a SMS with the user data 'Test | [The data entered and the ME settings |
| | | Message' and sends it to +012345678. | shall lead to the same SMS-TPDU as defined in SMS-PP (SEND SHORT MESSAGE) Message 1.2. |
| 2 | ME -> UICC | ENVELOPE: MO SHORT MESSAGE CONTROL 1.1.1A | [Option A shall apply for GERAN/UTRAN parameters] |
| | | or | [Option B shall apply for PCS1900 |
| | | ENVELOPE: MO SHORT MESSAGE CONTROL 1.1.1B | parameters] |
| 3 | UICC -> ME | MO SHORT MESSAGE CONTROL RESULT 1.1.1 | ['Allowed, no modification'] |
| 4 | ME -> USS | Send SMS-PP Message 1.2 | [The ME sends the SM containing SMS- PP (SEND SHORT MESSAGE) Message 1.2 without modification] |
| 5 | USS -> ME | SMS RP-ACK | · |

SMS-PP (SEND SHORT MESSAGE) Message 1.2

Logically:

SMS RPDU

RP-Originator Address not used RP-Destination SMSC Address

TON International number

NPI "ISDN / telephone numbering plan"

Address value "112233445566778"

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD value shall not be verified TP-VPF value shall not be verified TP-RP value shall not be verified TP-UDHI value shall not be verified TP-SRR value shall not be verified

TP-MR "01"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "012345678"

Coding:

| Coding | 00 | 09 | 91 | 11 | 22 | 33 | 44 | 55 | 66 | 77 | F8 | Note 1 |
|--------|-----------|----|----|----|----|----|----|----|----|-----------|----|-----------|
| | Note 2 | 01 | 09 | 91 | 10 | 32 | 54 | 76 | F8 | Note 3 | | |
| | | | | | | | | | | | | |

Note 1: Octet shall not be verified

Note 2: Only the TP-MTI bits shall be verified

Note 3: The remaining octets shall not be verified

Expected Sequence 1.3 (MO SM CONTROL BY USIM, with Proactive command, Not allowed')

| Step | Direction | Message / Action | Comments |
|------|------------|---|---|
| 1 | UICC -> ME | PROACTIVE COMMAND PENDING: SEND SHORT | |
| | | MESSAGE 1.1.1 | |
| 2 | ME -> UICC | FETCH | |
| 3 | UICC -> ME | PROACTIVE COMMAND: SEND SHORT MESSAGE 1.1.1 | |
| 4 | ME -> USER | Display "Send SM" | [The display of the Alpha Identifier shall not be verified] |
| 5 | ME -> UICC | ENVELOPE : MO SHORT MESSAGE CONTROL 1.1.1A or | [Option A shall apply for GERAN/UTRAN parameters] |
| | | ENVELOPE : MO SHORT MESSAGE CONTROL 1.1.1B | [Option B shall apply for PCS1900 parameters] |
| 6 | UICC -> ME | MO SHORT MESSAGE CONTROL RESULT 1.3.1 | ['not Allowed'] |
| 7 | ME -> UICC | TERMINAL RESPONSE: SEND SHORT MESSAGE 1.3.1 | Permanent Problem - Interaction with Call Control or MO short message control by USIM] |
| 8 | MF→ USS | The ME does not send the Short Message | |

MO SHORT MESSAGE CONTROL RESULT 1.3.1

Logically:

MO Short Message control result : '01' = Not Allowed

Coding:

BER-TLV: 01 00

TERMINAL RESPONSE: SEND SHORT MESSAGE 1.3.1

Logically:

Command details

Command number: 01

Command Type: SEND SHORT MESSAGE packing not required

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Interaction with call control or MO-SM by USIM permanent problem

Additional information: Action not allowed

Coding:

| BER-TLV: | 81 | 03 | 01 | 13 | 00 | 82 | 02 | 82 | 81 | 83 | 02 | 39 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 01 | | | | | | | | | | | |

Expected Sequence 1.4 (MO SM CONTROL BY USIM, with user SMS, Not allowed')

| Step | Direction | Message / Action | Comments |
|------|----------------------|---|---------------------------------------|
| 1 | USER -> ME | The user makes a SMS with the user data 'Test | [The data entered and the ME settings |
| | | Message' and sends it to +012345678. | shall lead to the same SMS-TPDU as |
| | | | defined in SMS-PP (SEND SHORT |
| | | | MESSAGE) Message 1.2. |
| 2 | ME -> UICC | ENVELOPE : MO SHORT MESSAGE CONTROL | [Option A shall apply for GERAN/UTRAN |
| | | 1.1.1A | parameters] |
| | | or | [Option B shall apply for PCS1900 |
| | | ENVELOPE : MO SHORT MESSAGE CONTROL | parameters] |
| | | 1.1.1B | |
| 3 | UICC -> ME | MO SM CONTROL RESULT 1.3.1 | ['Not allowed'] |
| 4 | $ME \rightarrow USS$ | The ME does not send the Short Message | |

Expected Sequence 1.5 (MO SM CONTROL BY USIM , with Proactive command, Allowed with modifications')

| Step | Direction | Message / Action | Comments |
|------|------------|--|--|
| 1 | UICC -> ME | PROACTIVE COMMAND PENDING: SEND SHORT | |
| | | MESSAGE 1.1.1 | |
| 2 | ME -> UICC | FETCH | |
| 3 | UICC -> ME | PROACTIVE COMMAND: SEND SHORT MESSAGE 1.1.1 | Send SMS to '+012345678' |
| 4 | ME -> USER | Display "Send SM" | [Alpha Identifier] |
| 5 | ME -> UICC | ENVELOPE: MO SHORT MESSAGE CONTROL 1.1.1A | [Option A shall apply for GERAN/UTRAN parameters] |
| | | or ENVELOPE: MO SHORT MESSAGE CONTROL 1.1.1B | [Option B shall apply for PCS1900 parameters] |
| 6 | UICC -> ME | MO SM CONTROL RESULT 1.5.1 | ['Allowed with modifications'] |
| 7 | ME -> USS | Send SMS-PP Message 1.5 | [The ME sends the SM containing SMS-PP (SEND SHORT MESSAGE) Message 1.5 with the data provided by the UICC to the changed Service Center Address '+112233445566779'] |
| 8 | USS -> ME | SMS RP-ACK | |
| 9 | ME -> UICC | TERMINAL RESPONSE: SEND SHORT MESSAGE 1.5.1 | |

MO SHORT MESSAGE CONTROL RESULT 1.5.1

Logically:

MO Short Message control result : '02' = Allowed with modifications

RP Destination_Address of the Service Center TON: International

NPI: "ISDN / telephone numbering plan" or "unknown"

Dialling number string: '112233445566779'

TP Destination Address

TON: International

NPI: "ISDN / telephone numbering plan" or "unknown"

Dialling number string: '012345679'

Coding:

| 02 | 13 | 86 | 09 | 91 | 11 | 22 | 33 | 44 | 55 | 66 |
|----|----|----|----|----|----|----|----|----|----|----|
| 77 | F9 | 86 | 06 | 91 | 10 | 32 | 54 | 76 | F9 | |

SMS-PP (SEND SHORT MESSAGE) Message 1.5

Logically:

SMS RPDU

RP-Originator Address not used RP-Destination SMSC Address

TON International number

NPI "ISDN / telephone numbering plan"

Address value "112233445566779"

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD Instruct the SC to accept an SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-RP TP-Reply-Path is not set in this SMS-SUBMIT TP-UDHI TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "01"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "012345679"

TP-PID Short message type 0

TP-DCS

Message coding 8-bit data Message class class 0 TP-UDL 12

TP-UD "Test Message"

Coding:

| Coding | 00 | 09 | 91 | 11 | 22 | 33 | 44 | 55 | 66 | 77 | F9 | 18 |
|--------|----|----|----|----|----|----|----|----|----|----|----|----|
| • | 01 | 01 | 09 | 91 | 10 | 32 | 54 | 76 | F9 | 40 | F4 | 0C |
| | 54 | 65 | 73 | 74 | 20 | 4D | 65 | 73 | 73 | 61 | 67 | 65 |

TERMINAL RESPONSE: SEND SHORT MESSAGE 1.5.1

Logically:

Command details

Command number: 01

Command Type: SEND SHORT MESSAGE packing not required

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

| BER-TLV: | 81 | 03 | 01 | 13 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

Expected Sequence 1.6 (MO SM CONTROL BY USIM, with user SMS, Allowed with modifications')

| Step | Direction | Message / Action | Comments |
|------|------------|---|--|
| 1 | USER -> ME | The user makes a SMS with the user data 'Test | [The data entered and the ME settings |
| | | Message' and sends it to +012345678. | shall lead to the same SMS-TPDU as |
| | | | defined in SMS-PP (SEND SHORT |
| | | | MESSAGE) Message 1.2. |
| 2 | ME -> UICC | ENVELOPE: MO SHORT MESSAGE CONTROL | [Option A shall apply for GERAN/UTRAN |
| | | 1.1.1A | parameters] |
| | | or | [Option B shall apply for PCS1900 |
| | | ENVELOPE: MO SHORT MESSAGE CONTROL | parameters] |
| | | 1.1.1B | |
| 3 | UICC -> ME | MO SM CONTROL RESULT 1.5.1 | ['Allowed with modifications'] |
| 4 | ME-> USS | Send SMS-PP Message 1.6 | [The ME sends the SM containing SMS- |
| | | | PP (SEND SHORT MESSAGE) Message |
| | | | 1. 6 with the data provided by the UICC to |
| | | | the changed Service Center Address |
| | | | '+112233445566779'] |
| 5 | USS -> ME | SMS RP-ACK | |

SMS-PP (SEND SHORT MESSAGE) Message 1.6

Logically:

SMS RPDU

RP-Originator Address not used RP-Destination SMSC Address

TON International number

NPI "ISDN / telephone numbering plan"

Address value "112233445566779"

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD value shall not be verified TP-VPF value shall not be verified TP-RP value shall not be verified TP-UDHI value shall not be verified TP-SRR value shall not be verified

TP-MR "01"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "012345679"

Coding:

| Coding | 00 | 09 | 91 | 11 | 22 | 33 | 44 | 55 | 66 | 77 | F9 | Note 1 |
|--------|-----------|----|----|----|----|----|----|----|----|-----------|----|--------|
| | Note 2 | 01 | 09 | 91 | 10 | 32 | 54 | 76 | F9 | Note 3 | | |
| | | | | | | | | | | | | |

Note 1: Octet shall not be verified.

Note 2: Only the TP-MTI bits shall be verified.

Note 3: The remaining octets shall not be verified.

Expected Sequence 1.7 (MO SM CONTROL BY USIM, with Proactive command, the USIM responds with '90 00', Allowed, no modification)

| Step | Direction | Message / Action | Comments |
|------|------------|--|--|
| 1 | UICC -> ME | PROACTIVE COMMAND PENDING: SEND SHORT MESSAGE 1.1.1 | |
| 2 | ME -> UICC | FETCH | |
| 3 | UICC -> ME | PROACTIVE COMMAND: SEND SHORT MESSAGE 1.1.1 | Send SMS to '+012345678' |
| 4 | ME -> USER | Display "Send SM" | [Alpha Identifier] |
| 5 | ME -> UICC | ENVELOPE: MO SHORT MESSAGE CONTROL 1.1.1A or ENVELOPE: MO SHORT MESSAGE CONTROL 1.1.1B | [Option A shall apply for GERAN/UTRAN parameters] [Option B shall apply for PCS1900 parameters] |
| 6 | UICC -> ME | 90 00 | |
| 7 | ME ->USS | Send SMS-PP | [The ME sends the SM containing SMS- PP (SEND SHORT MESSAGE) Message 1.1 without modification] |
| 8 | USS -> ME | SMS RP-ACK | _ |
| 9 | ME -> UICC | TERMINAL RESPONSE: SEND SHORT MESSAGE 1.1.1 | |

Expected Sequence 1.8 (MO SM CONTROL BY USIM, Send Short Message attempt by user, the USIM responds with '90 00', Allowed, no modification)

| Step | Direction | Message / Action | Comments |
|------|---------------|--------------------------------------|--|
| 1 | User → ME | Message' and sends it to +012345678. | [The data entered and the ME settings shall lead to the same SMS-TPDU as defined in SMS-PP (SEND SHORT MESSAGE) Message 1.2. |
| 2 | ME → UICC | 1.1.1 A or | [Option A shall apply for GERAN/UTRAN parameters] [Option B shall apply for PCS1900 parameters] |
| 3 | $UICC \to ME$ | 90 00 | |
| 4 | $ME \to USS$ | Send SMS-PP | [The ME sends the SM containing SMS- PP (SEND SHORT MESSAGE) Message 1.2 without modification] |
| 5 | USS -> ME | SMS RP-ACK | |

Expected Sequence 1.9void

27.22.8.5 Test requirement

The ME shall operate in the manner defined in expected sequences 1.1 to 1.9.

27.22.9 Handling of command number

27.22.9.1 Definition and applicability

See clause 3.2.2.

27.22.9.2 Conformance requirement

The ME shall support the facility as defined in TS 31.111 [15] clause 6.5.1, clause 6.8 and clause 8.6

27.22.9.3 Test purpose

To verify that the ME sends a Terminal Response with the Command number equivalent to the value in the corresponding proactive command.

27.22.9.4 Method of tests

27.22.9.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The ME screen shall be in its normal stand-by display.

The ME shall support the DISPLAY TEXT command.

27.22.9.4.2 Procedure

Expected Sequence 1.1 (DISPLAY TEXT normal priority, Unpacked 8 bit data for Text String, successful)

See ETSI TS 102 384 [26] in subclause 27.22.9.4.2, Expected Sequence 1.1.

27.22.9.5 Test requirement

The ME shall operate in the manner defined in expected sequence 1.1

Annex A (normative): Details of Test-SIM (TestSIM)

The TestSIM shall be able to present the following data:

ANSWER TO RESET

Logically:

TS (Initial character):

T0 (Format character): '86' (Following interface characters: TD(1), number of historical characters: 6)

TD1: '00' (Following interface characters: none, Transfer protocol: T=0)

T1: 91 T2: 99 T3: 00 12 T4: T5: C1 T6: 00

Coding:

| Coding: 3 | 3B 86 | 00 | 91 | 99 | 00 | 12 | C1 | 00 |
|-----------|-------|----|----|----|----|----|----|----|
|-----------|-------|----|----|----|----|----|----|----|

- 1. For a successful outcome of the command "Select MasterFile" the TestSIM shall send SW1/SW2 "9F 1B".
- 2. For a successful outcome of the command "Get Response with Length 1B" on the MasterFile the TestSIM shall respond:

RFU: '00 00' Not allocated memory: '653 bytes' File ID: Master File MF

Type of file:

RFU: 00 00 22 FF 01' Length of following data: 14 bytes'

File characteristics:

Clock Stop: Not allowed Min. frequency for GSM algorithm: 13/8 MHz

3V Technology SIM Technology identification:

disabled

DFs in current directory: EFs in current directory: 8 Number of CHV and admin. Codes: 3 00 RFU byte 18:

CHV1 status:

3 False representations remaining: 000 RFU-bits 7-5: Secret code: Initialized

Unlock CHV1 status:

False representations remaining: 10 RFU-bits 7-5: 000 Secret code: Initialized

CHV2 status:

False representations remaining: 3 RFU-bits 7-5: 000 Initialized Secret code:

Unlock CHV2 status:

10 False representations remaining: 000 RFU-bits 7-5: Secret code: Initialized RFU bytes 23: 00

Reserved for admin. management: 00 83 00 FF

Status Words

SW1 / SW2: Normal ending of command

Coding:

| Coding | 00 | 00 | 02 | 8D | 3F | 00 | 01 | 00 | 00 | 22 | FF | 01 |
|--------|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0E | 9B | 02 | 80 | 03 | 00 | 83 | 8A | 83 | 8A | 00 | 00 |
| | 83 | 00 | FF | 90 | 00 | | | | | | | |

1. For a successful outcome of the command "Select GSM" the TestSIM shall send SW1/SW2 "9F 1B".

2. For a successful outcome of the command "Select PLMN" the TestSIM shall send SW1/SW2 "9F 0F".

3. EF_{PLMN} Information:

RFU-Bytes 1-2: 00 00 File size: 102 bytes File ID: 6F30

Type of File: Elementary file

Byte 8

RFU: 00

Access Condition:

UPDATE: CHV1
READ/SEEK: CHV1
RFU-bits 4-1: 1111
INCREASE: NEVER
INVALIDATE: NEVER
REHABILITATE: NEVER

File Status:

Invalidation status: File not invalidated

Readable/updateable: Not readable/updatable when invalidated

RFU-bits 8-4, 2: 0000 0
Length of following data: 2 bytes
Structure: Transparent

Length of record: 00

The initial coding of the EF_{PLMN} shall be FF FF ... FF (logically: Empty).

Annex B (normative): Details of terminal profile support

Table E.1: TERMINAL PROFILE support

| Item | Byte.bit | Terminal Profile | Ref. | Release | Status | Support | Mnemonic |
|------|----------|---|-------------------------------|---------|---------------------|---------|------------------|
| 1 | 1.1 | Profile Download | TS 31.111 §5.2 | R99 | М | | PD_Pro_Dvnl |
| 2 | 1.2 | SMS-PP data download | TS 31.111 §5.2 | R99 | C279 | | PD_SMS_PP |
| 3 | 1.3 | Cell Broadcast data download | TS 31.111 §5.2 | R99 | C279 | | PD_CB |
| 4 | 1.4 | Menu selection | TS 31.111 §5.2 | R99 | C267 AND C268 | | PD_Menu_sel |
| 5 | 1.5 | Bit =1 if SMS-PP data Download supported | TS 31.111 §5.2 | R99 | C279 | | PD_SMS_PP |
| 6 | 1.6 | Timer expiration | TS 31.111 §5. | R99 | М | | PD_TExpir |
| 7 | 1.7 | Bit=1 if Call control supported | TS 31.111 §5.2. | R99 | C270 AND C279 | | PD_CC |
| 8 | 1.8 | Bit=1 if Call control supported | TS 31.111 §5.2 | R99 | C270 AND C279 | | PD_CC |
| 9 | 2.1 | Command result | TS 31.111 §5.2 | R99 | М | | PD_Cmd_Res |
| 10 | 2.2 | Call Control by USIM | TS 31.111 §5.2 | R99 | C270 AND C279 | | PD_CC |
| 11 | 2.3 | Bit=1 if Call control supported | TS 31.111 §5.2 | R99 | C270 AND C279 | | PD_CC |
| 12 | 2.4 | MO short message control by USIM | TS 31.111 §5.2 | R99 | C279 | | PD_MO_SMS_CC |
| 13 | 2.5 | Bit=1 if Call control supported | TS 31.111 §5.2 | R99 | C270 AND C279 | | PD_CC |
| 14 | 2.6 | UCS2 Entry supported | TS 31.111 §5.2 | R99 | C203 AND C268 | | PD_UCS2_entry |
| 15 | 2.7 | UCS2 Display supported | TS 31.111 §5.2 | R99 | C204 AND C267 | | PD_UCS2_Display |
| 16 | 2.8 | Bit=1 if Display Text supported | TS 31.111 §5.2 | R99 | C267 | | PD_Display_Text |
| 17 | 3.1 | DISPLAY TEXT | TS 31.111 §5.2 | R99 | C267 | | PD_Display_Text |
| 18 | 3.2 | GET INKEY | TS 31.111 §5.2 | R99 | C267 AND C268 | | PD_Get_Inkey |
| 19 | 3.3 | GET INPUT | TS 31.111 §5.2 | R99 | C267 AND C268 | | PD_Get_Input |
| 20 | 3.4 | MORE TIME | TS 31.111 §5.2 | R99 | М | | PD_More_Time |
| 21 | 3.5 | PLAY TONE | TS 31.111 §5.2 TS 11.14, 5 | R99 | C269 | | PD_Play_Tone |
| 22 | 3.6 | POLL INTERVAL | TS 31.111 §5.2 TS 11.14, 5 | R99 | М | | PD_Poll_interval |
| 23 | 3.7 | POLLING OFF | TS 31.111 §5.2 | R99 | М | | PD_Polling_Off |
| 24 | 3.8 | REFRESH | TS 31.111 §5.2 | R99 | М | | PD_Refresh |
| 25 | 4.1 | SELECT ITEM | TS 31.111 §5.2 | R99 | C267 AND C268 | | PD_Select_Item |
| 26 | 4.2 | SEND SHORT MESSAGE | TS 31.111 §5.2 | R99 | C279 | | PD_Send_SMS |
| 27 | 4.3 | SEND SS | TS 31.111 §5.2 | R99 | C279 | | PD_Send_SS |
| 28 | 4.4 | SEND USSD | TS 31.111 §5.2 | R99 | C279 | | PD_Send_USSD |

| Item | Byte.bit | Terminal Profile | Ref. | Release | Status | Support Mnemonic |
|----------|------------|--|----------------------------------|------------|-------------|------------------------|
| 29 | 4.5 | SET UP CALL | TS 31.111 §5.2 | R99 | C267 | PD_SetUp_Call |
| | | | | | AND | |
| | | | | | C268 | |
| | | | | | AND | |
| | | | | | C270 AND | |
| | | | | | C279 | |
| 30 | 4.6 | SET UP MENU | TS 31.111 §5.2 | R99 | C267 | PD_SetUp_Menu |
| | | | | | AND | |
| | | | | | C268 | |
| 31 | 4.7 | PROVIDE LOCAL | TS 31.111 §5.2 | R99 | M | PD_Provide_Local |
| | | INFORMATION (LOCI & IMEI) | | | | |
| 32 | 4.8 | PROVIDE LOCAL | TS 31.111 §5.2 | R99 | C279 | PD_Provide_Local_N |
| 02 | 4.0 | INFORMATION (NMR) | 10 01.111 30.2 | 1133 | 0273 | MR |
| 33 | 5.1 | SET UP EVENT LIST | TS 31.111 §5.2 | R99 | М | PD_Setup_Evt_List |
| 34 | 5.2 | Event: MT call | TS 31.111 §5.2 | R99 | C270 | PD_MT_Call |
| | | | | | AND | |
| 0.5 | | | TO 04 444 05 0 | D00 | C279 | 55.0 ".0 |
| 35 | 5.3 | Event: Call connected | TS 31.111 §5.2 | R99 | C270 | PD_Call_Conn |
| | | | | | AND C279 | |
| 36 | 5.4 | Event: Call disconnected | TS 31.111 §5.2 | R99 | C279 | PD_Call_Disc |
| | | 2 2 0.000111100100 | 2 2 30.2 | | AND | |
| | | | | | C279 | |
| 37 | 5.5 | Event: Location status | TS 31.111 §5.2 | R99 | М | PD_Loc_Status |
| 38 | 5.6 | Event: User activity | TS 31.111 §5.2 | R99 | C268 | PD_User_Act |
| 39 | 5.7 | Event: Idle screen available | TS 31.111 §5.2 | R99 | C267 | PD_ldle_Scr_Avail |
| 40 | 5.8 | Event: Card reader status | TS 31.111 §5.2 | R99 | C206 | PD_Evt_Rdr_Status |
| 41 | 6.1 | Event: Language selection | TS 31.111 §5.2 | R99 | C271 | PD_Lang_Select |
| 42 | 6.2 | Event: Browser | TS 31.111 §5.2 | R99 | C212 | PD_Browser_Term |
| | | Termination | | | AND C267 | |
| | | | | | AND | |
| | | | | | C268 | |
| 43 | 6.3 | Event: Data available | TS 31.111 §5.2 | R99 | C223 | PD_Data_Avail |
| 44 | 6.4 | Event: Channel status | TS 31.111 §5.2 | R99 | C223 | PD_Evt_Ch_Status |
| 45 | 6.5 | Event:Access Technology | TS 31.111 §5.2 | Rel-4 | М | PD_Evt_ATC |
| | | Change | | | 0010 | |
| 46 | 6.6 | Event: Display Parameters | IS 31.111 §5.2 | Rel-4 | C218 | PD_Disp_Resiz |
| | | Changed | | | AND C267 | |
| 47 | 6.7 | Event: Local Connection | TS 31.111 §5.2 | Rel-4 | C224 | PD Evt LC |
| 48 | 6.8 | Event: Network Search | TS 31.111 §5.2 | Rel-6 | M | PD_Evt_NSMC |
| | | Mode Change | | | | |
| 49 | 7.1 | POWER ON CARD | TS 31.111 §5.2 | R99 | C206 | PD_C_On |
| 50 | 7.2 | POWER OFF CARD | TS 31.111 §5.2 | R99 | C206 | PD_C_Off |
| 51 | 7.3 | PERFORM CARD APDU | TS 31.111 §5.2 | R99 | C206 | PD_C_APDU |
| 52 | 7.4 | GET READER STATUS (Card reader status) | TS 31.111 §5.2 | R99 | C206 | PD_Get_Rdr_Status |
| 53 | 7.5 | GET READER STATUS | TS 31.111 §5.2 | R99 | C208 | PD_Get_Rdr_Id |
| F.4 | 7.0 | (Card reader identifier) | TC 24 444 SE 2 | Doc | V | DD DELL 54 |
| 54 55 | 7.6 7.7 | RFU RFU | TS 31.111 §5.2 TS 31.111 §5.2 | R99 R99 | X | PD_RFU_54 PD_RFU_55 |
| 56 | 7.8 | RFU | TS 31.111 §5.2 | R99 | X | PD_RFU_56 |
| 57 | 8.1 | TIMER MANAGEMENT | TS 31.111 §5.2 | R99 | M | PD_Timer_Mgt_Start |
| • | | (start, stop) | 2 2 30.2 | | | _Stop |
| 58 | 8.2 | TIMER MANAGEMENT (get current value) | TS 31.111 §5.2 | R99 | М | PD_Timer_Val |
| 59 | 8.3 | PROVIDE LOCAL | TS 31.111 §5.2 | R99 | M | PD_Provide_Local_D |
| | | INFORMATION (date, time | | | | _Time |
| | | and time zone) | | | | |
| 60 | 8.4 | Bit=1 if Get Inkey | TS 31.111 §5.2 | R99 | C268 | PD_Get_Inkey |

| Item | Byte.bit | | Ref. | Release | Status | Support | Mnemonic |
|------|----------|--|----------------|---------|------------------------------------|--------------|---------------------------|
| 61 | 8.5 | SET UP IDLE MODE TEXT | TS 31.111 §5.2 | R99 | C267 | | PD_Stup_Id_Mod_Tx t |
| 62 | 8.6 | RUN AT COMMAND (i.e. class "b" is supported) | TS 31.111 §5.2 | R99 | C209 | | PD_Run_AT |
| 63 | 8.7 | Bit=1 if Set UpCall | TS 31.111 §5.2 | R99 | C267 AND C268 AND C270 | | PD_SetUp_Call |
| 64 | 8.8 | Bit=1 if Call Control | TS 31.111 §5.2 | R99 | C270 AND C279 | | PD_CC |
| 65 | 9.1 | Bit=1 if Display Text | TS 31.111 §5.2 | R99 | C267 | | PD_Display_Text |
| 66 | 9.2 | SEND DTMF command | TS 31.111 §5.2 | R99 | C270 AND C279 | | PD_Send_DTMF |
| 67 | 9.3 | Bit = 1 if Provide Local Information (NMR) supported | TS 31.111 §5.2 | R99 | C279 | | PD_Provide_Local |
| 68 | 9.4 | PROVIDE LOCAL INFORMATION (language) | TS 31.111 §5.2 | R99 | M | | PD_Provide_Local_L S |
| 69 | 9.5 | PROVIDE LOCAL INFORMATION (Timing Advance) | TS 31.111 §5.2 | R99 | C280 | | PD_Provide_Local_T A |
| 70 | 9.6 | LANGUAGE NOTIFICATION | TS 31.111 §5.2 | R99 | C271 | | PD_Lang_Notif |
| 71 | 9.7 | LAUNCH BROWSER | TS 31.111 §5.2 | R99 | C212 AND C267 AND C268 | | PD_Launch_Brws |
| 72 | 9.8 | PROVIDE LOCAL INFORMATION (Access Technology) | TS 31.111 §5.2 | Rel-4 | M | | PD_Provide_Local_A T |
| 73 | 10.1 | Soft keys support for SELECT ITEM | TS 31.111 §5.2 | R99 | C213 | | PD_Softkey_Select_I tem |
| 74 | 10.2 | Soft Keys support for SET UP MENU | TS 31.111 §5.2 | R99 | C213 | | PD_Softkey_SetUp _Menu |
| 75 | 10.3 | RFU | TS 31.111 §5.2 | R99 | Х | | PD_RFU_75 |
| 76 | 10.4 | RFU | TS 31.111 §5.2 | R99 | Χ | | PD_RFU_76 |
| 77 | 10.5 | RFU | TS 31.111 §5.2 | R99 | Χ | | PD_RFU_77 |
| 78 | 10.6 | RFU | TS 31.111 §5.2 | R99 | Х | | PD_RFU_78 |
| 79 | 10.7 | RFU | TS 31.111 §5.2 | R99 | Х | | PD_RFU_79 |
| 80 | 10.8 | RFU | TS 31.111 §5.2 | R99 | Х | | PD_RFU_80 |
| 81 | 11.1 | Maximum number of soft keys available ('FF' = RFU) | TS 31.111 §5.2 | R99 | C214 | | PD_Max_SoftKey |
| 82 | 11.2 | Maximum number of soft keys available ('FF' = RFU) | TS 31.111 §5.2 | R99 | C214 | | PD_Max_SoftKey |
| 83 | 11.3 | Maximum number of soft keys available ('FF' = RFU) | TS 31.111 §5.2 | R99 | C214 | | PD_Max_SoftKey |
| 84 | 11.4 | Maximum number of soft keys available ('FF' = RFU) | TS 31.111 §5.2 | R99 | C214 | | PD_Max_SoftKey |
| 85 | 11.5 | Maximum number of soft keys available ('FF' = RFU) | TS 31.111 §5.2 | R99 | C214 | | PD_Max_SoftKey |
| 86 | 11.6 | Maximum number of soft keys available ('FF' = RFU) | TS 31.111 §5.2 | R99 | C214 | | PD_Max_SoftKey |
| 87 | 11.7 | Maximum number of soft keys available ('FF' = RFU) | TS 31.111 §5.2 | R99 | C214 | | PD_Max_SoftKey |
| 88 | 11.8 | Maximum number of soft keys available ('FF' = RFU) | TS 31.111 §5.2 | R99 | C214 | | PD_Max_SoftKey |
| 89 | 12.1 | OPEN CHANNEL | TS 31.111 §5.2 | R99 | C223 | | PD_Open_Ch |
| 90 | 12.2 | CLOSE CHANNEL | TS 31.111 §5.2 | R99 | C223 | 1 | PD_Close_Ch |
| 91 | 12.3 | RECEIVE DATA | TS 31.111 §5.2 | R99 | C223 | 1 | PD_Rx_Data |
| 92 | 12.4 | SEND DATA | TS 31.111 §5.2 | R99 | C223 | 1 | PD_Send_Data |
| 93 | 12.5 | GET CHANNEL STATUS | TS 31.111 §5.2 | R99 | C223 | 1 | PD_Get_Ch_Status |

| 12.6 SERVICE SEARCH TS 31.111 \$5.2 Rel-4 C224 PD Serv Search | Item | Byte.bit | Terminal Profile | Ref. | Release | Status | Support | Mnemonic |
|--|------|----------|--|----------------|---------|--------|---------|------------------|
| 12.7 GET SERVICE TS 31.111 \$5.2 Rel-4 C224 PD_Get_Serv_Info InfoRorMATION 96 12.8 DECLARE SERVICE TS 31.111 \$5.2 Rel-4 C224 PD_Declare_Serv 97 13.1 C5D supported by ME TS 31.111 \$5.2 R99 C207 PD CSD 98 13.2 GPRS supported by ME TS 31.111 \$5.2 R99 C222 PD GPRS 99 13.3 Bluetooth supported by TS 31.111 \$5.2 Rel-4 C225 PD_BT 101 13.4 If DA Supported by terminal TS 31.111 \$5.2 Rel-4 C226 PD_IDA 102 13.5 RS232 Supported by terminal TS 31.111 \$5.2 Rel-4 C226 PD_IDA 103 13.5 RS232 Supported by terminal TS 31.111 \$5.2 Rel-4 C227 PD_RS232 102 13.6 Number of channels TS 31.111 \$5.2 R99 C257 PD_Nb_Channel 103 13.7 Number of channels TS 31.111 \$5.2 R99 C257 PD_Nb_Channel 104 13.8 Number of chanacters TS 31.111 \$5.2 R99 C257 PD_Nb_Channel 105 14.1 Number of chanacters TS 31.111 \$5.2 R99 C274 PD_Nb_Channel 106 14.2 Number of chanacters TS 31.111 \$5.2 R99 C274 PD_Nb_Chan 107 14.3 Number of chanacters TS 31.111 \$5.2 R99 C274 PD_Nb_Chan 108 14.4 Number of chanacters TS 31.111 \$5.2 R99 C274 PD_Nb_Chan 109 14.5 Number of chanacters TS 31.111 \$5.2 R99 C274 PD_Nb_Chan 109 14.5 Number of chanacters TS 31.111 \$5.2 R99 C274 PD_Nb_Chan 109 14.5 Number of chanacters TS 31.111 \$5.2 R99 C274 PD_Nb_Chan 109 14.5 Number of chanacters TS 31.111 \$5.2 R99 C274 PD_Nb_Chan 110 14.6 No display capability (i.e TS 31.111 \$5.2 R99 C274 PD_Nb_Chan 111 14.7 No keypad available (i.e. TS 31.111 \$5.2 R99 C274 PD_Nb_Chan 112 14.8 Screen Sizing Parameters TS 31.111 \$5.2 R99 C274 PD_Nb_Chan 115 15.4 Number of chanacters TS 31.111 \$5.2 R99 C274 PD_Nb_Chan 116 15.4 Number of chanacters TS 31.111 \$5.2 R99 C274 PD_Nb_Chan 117 15.5 N | | | | | | | Сирроп | |
| 98 12.8 DECLARE SERVICE TS 31.111 \$5.2 Rel-4 C224 PD_Declare Serv 97 13.1 CSD supported by ME TS 31.111 \$5.2 Rel-9 C207 PD CSD 98 13.2 GPRS supported by ME TS 31.111 \$5.2 Rel-4 C225 PD_GPRS 99 13.3 Bluetoch supported by TS 31.111 \$5.2 Rel-4 C225 PD_GPRS 99 13.3 Rel-4 C225 PD_GPRS 90 13.3 Rel-4 C225 PD_GPRS 91 13.5 RS232 Supported by TS 31.111 \$5.2 Rel-4 C226 PD_INDA 100 13.4 Number of channels TS 31.111 \$5.2 Rel-4 C227 PD_RS232 102 13.6 Number of channels TS 31.111 \$5.2 Rel-4 C227 PD_ND_Channel 103 13.7 Number of channels TS 31.111 \$5.2 Rel-4 C227 PD_ND_Channel 104 13.8 Number of channels TS 31.111 \$5.2 Rel-4 C227 PD_ND_Channel 105 14.1 Number of channels TS 31.111 \$5.2 Rel-4 C227 PD_ND_Channel 105 14.1 Number of channels TS 31.111 \$5.2 Rel-4 C227 PD_ND_Channel 105 14.1 Number of channels TS 31.111 \$5.2 Rel-4 C227 PD_ND_Channel 105 14.1 Number of channels TS 31.111 \$5.2 Rel-4 C227 PD_ND_Channel 105 14.1 Number of channels TS 31.111 \$5.2 Rel-4 C227 PD_ND_Channel 105 14.1 Number of characters TS 31.111 \$5.2 Rel-4 C227 PD_ND_Channel 105 14.1 Number of characters TS 31.111 \$5.2 Rel-4 C227 PD_ND_Chan 106 14.2 Number of characters TS 31.111 \$5.2 Rel-4 C227 PD_ND_Chan 107 14.3 Number of characters TS 31.111 \$5.2 Rel-4 C227 PD_ND_Chan 108 14.5 Number of characters TS 31.111 \$5.2 Rel-8 C274 PD_ND_Chan 107 14.3 Number of characters TS 31.111 \$5.2 Rel-8 C274 PD_ND_Chan 108 14.5 Number of characters TS 31.111 \$5.2 Rel-8 C277 PD_Type_ND_Chan_Disported across the ME display 110 14.6 No display capability (i.e. TS 31.111 \$5.2 Rel-8 C274 PD_ND_Chan_Disp 111 14.7 No keypad valiable (ie. TS 31.111 \$5.2 | | | | | _ | | | PD_Get_Serv_Info |
| 98 13.2 GSD supported by ME TS 31.111 §5.2 R99 C227 PD CSD | | | | | | | | |
| 99 13.2 GPRS supported by ME TS 31.111 \$5.2 Re9 C222 PD_GPRS 99 13.3 Bluetooth supported by terminal 100 13.4 IrDA Supported by terminal 1010 13.4 IrDA Supported by terminal 1010 13.5 RS232 Supported by terminal 102 13.6 RS232 Supported by terminal 103 13.5 RS232 Supported by terminal 104 13.8 Number of channels 105 13.6 Number of channels 107 13.6 Number of channels 108 Supported by ME 108 Number of channels 109 13.7 Number of channels 109 13.8 Number of channels 109 14.1 Number of channels 109 14.1 Number of characters 100 14.1 Number of characters 100 14.2 Number of characters 100 14.2 Number of characters 100 14.2 Number of characters 100 14.1 Number of characters 100 14.2 Number of characters 100 14.2 Number of characters 100 14.3 Number of characters 100 14.5 Number of characters 100 14.5 Number of characters 100 14.5 Number of characters 100 14.5 Number of characters 100 14.5 Number of characters 100 14.5 Number of characters 100 14.5 Number of characters 101 14.6 Number of characters 102 14.8 Number of characters 103 14.5 Number of characters 104 14.5 Number of characters 105 14.5 Number of characters 107 14.6 No display quadiable (i.e. TS 31.111 101 14.6 No keypad available (i.e. TS 31.111 101 14.6 No keypad available (i.e. TS 31.111 15.2 R99 C274 101 PD_Nb_Char_Display 101 14.6 Number of characters 102 14.8 Number of characters 103 Number of characters 104 15.3 Number of characters 105 Number of characters 107 15.5 Number of characters 108 15.6 Number of characters 109 15.7 Number of characters 109 15.7 Number of characters 100 15.8 Number of characters 101 15.5 Number of characters 102 15 | | | | | | | | |
| 99 13.3 Bluetooth supported by TS 31.111 \$5.2 Rel-4 C226 PD_BT | | | | | | | | |
| Iterminal | | | | | | | | |
| 101 | 99 | 13.3 | terminal | • | Rel-4 | C225 | | _ |
| Itemminal | 100 | | | | Rel-4 | C226 | | _ |
| Supported by ME | 101 | 13.5 | | TS 31.111 §5.2 | Rel-4 | C227 | | PD_RS232 |
| Supported by ME | 102 | | | TS 31.111 §5.2 | R99 | C257 | | PD_Nb_Channel |
| Supported by ME 14.1 Number of characters TS 31.111 §5.2 R99 C274 PD_Nb_Char | 103 | 13.7 | | TS 31.111 §5.2 | R99 | C257 | | PD_Nb_Channel |
| 105 | 104 | 13.8 | | TS 31.111 §5.2 | R99 | C257 | | PD_Nb_Channel |
| Supported down the ME | 105 | 14.1 | | TS 31.111 §5.2 | R99 | C274 | | PD_Nb_Char |
| 107 | 106 | 14.2 | Number of characters | TS 31.111 §5.2 | R99 | C274 | | PD_Nb_Char |
| 108 | 107 | 14.3 | Number of characters | TS 31.111 §5.2 | R99 | C274 | | PD_Nb_Char |
| 109 | 108 | 14.4 | Number of characters | TS 31.111 §5.2 | R99 | C274 | | PD_Nb_Char |
| 110 14.6 No display capability (i.e. class "ND" is indicated) TS 31.111 §5.2 Rel-8 C276 PD_Type_ND 111 14.7 No keypad available (i.e. class "NK" is indicated) TS 31.111 §5.2 Rel-8 C277 PD_Type_NK 112 14.8 Screen Sizing Parameters TS 31.111 §5.2 R99 C216 PD_Screen_Siz 113 15.1 Number of characters supported across the ME display TS 31.111 §5.2 R99 C274 PD_Nb_Char_Disp. 114 15.2 Number of characters supported across the ME display TS 31.111 §5.2 R99 C274 PD_Nb_Char_Disp. 115 15.3 Number of characters supported across the ME display TS 31.111 §5.2 R99 C274 PD_Nb_Char_Disp. 117 15.5 Number of characters supported across the ME display TS 31.111 §5.2 R99 C274 PD_Nb_Char_Disp. 118 15.6 Number of characters supported across the ME display TS 31.111 §5.2 R99 C274 PD_Nb_Char_Disp. 119 15.7 Number of characters supported across the ME display TS 31.111 §5.2 R99 | 109 | 14.5 | Number of characters | TS 31.111 §5.2 | R99 | C274 | | PD_Nb_Char |
| 111 14.7 No keypad available (i.e. cass "NK" is indicated) TS 31.111 §5.2 Rel-8 C277 PD_Type_NK 112 14.8 Screen Sizing Parameters TS 31.111 §5.2 R99 C216 PD_Screen_Siz 113 15.1 Number of characters supported across the ME display TS 31.111 §5.2 R99 C274 PD_Nb_Char_Disp | 110 | 14.6 | No display capability (i.e | TS 31.111 §5.2 | Rel-8 | C276 | | PD_Type_ND |
| 113 15.1 Number of characters supported across the ME display TS 31.111 §5.2 R99 C274 PD_Nb_Char_Disp PD_Nb_Char_ | 111 | 14.7 | | TS 31.111 §5.2 | Rel-8 | C277 | | PD_Type_NK |
| Supported across the ME display | 112 | 14.8 | Screen Sizing Parameters | TS 31.111 §5.2 | R99 | C216 | | PD_Screen_Siz |
| 114 15.2 Number of characters supported across the ME display TS 31.111 §5.2 R99 C274 PD_Nb_Char_Disp PD_Nb_Char_ | 113 | 15.1 | supported across the ME | TS 31.111 §5.2 | R99 | C274 | | PD_Nb_Char_Disp |
| 115 15.3 Number of characters supported across the ME display TS 31.111 §5.2 R99 C274 PD_Nb_Char_Disp PD_Nb_Nb_Char_Disp PD_Nb_Nb_Nb_Nb_Nb_Nb_Nb_Nb_Nb_Nb_Nb_Nb_Nb_ | 114 | 15.2 | Number of characters supported across the ME | TS 31.111 §5.2 | R99 | C274 | | PD_Nb_Char_Disp |
| TS 31.111 §5.2 R99 C274 PD_Nb_Char_Disposition | 115 | 15.3 | Number of characters supported across the ME | TS 31.111 §5.2 | R99 | C274 | | PD_Nb_Char_Disp |
| TS 31.111 §5.2 R99 C274 PD_Nb_Char_Disposition | 116 | 15.4 | Number of characters supported across the ME | TS 31.111 §5.2 | R99 | C274 | | PD_Nb_Char_Disp |
| 118 15.6 Number of characters supported across the ME display TS 31.111 §5.2 R99 C274 PD_Nb_Char_Display 119 15.7 Number of characters supported across the ME display TS 31.111 §5.2 R99 C274 PD_Nb_Char_Display 120 15.8 Variable size fonts Supported TS 31.111 §5.2 R99 C274 PD_Var_Font 121 16.1 Display can be resized TS 31.111 §5.2 R99 C218 PD_Disp_Resiz 122 16.2 Text Wrapping supported TS 31.111 §5.2 R99 C273 PD_Txt_Wrap 123 16.3 Text Scrolling supported TS 31.111 §5.2 R99 C273 PD_Txt_Scroll 124 16.4 Text attributes supported TS 31.111 §5.2 Rel-5 C228 PD_Text_Attrib 125 16.5 RFU TS 11.14, 5 R96 X PD_RFU_125 126 16.6 Width reduction when in a menu TS 31.111 §5.2 R99 C274 PD_Width_Reduc | 117 | 15.5 | Number of characters supported across the ME | TS 31.111 §5.2 | R99 | C274 | | PD_Nb_Char_Disp |
| 119 15.7 Number of characters supported across the ME display TS 31.111 §5.2 R99 C274 PD_Nb_Char_Display 120 15.8 Variable size fonts Supported TS 31.111 §5.2 R99 C274 PD_Var_Font 121 16.1 Display can be resized TS 31.111 §5.2 R99 C218 PD_Disp_Resiz 122 16.2 Text Wrapping supported TS 31.111 §5.2 R99 C273 PD_Txt_Wrap 123 16.3 Text Scrolling supported TS 31.111 §5.2 R99 C273 PD_Txt_Scroll 124 16.4 Text attributes supported TS 31.111 §5.2 Rel-5 C228 PD_Text_Attrib 125 16.5 RFU TS 11.14, 5 R96 X PD_RFU_125 126 16.6 Width reduction when in a menu TS 31.111 §5.2 R99 C274 PD_Width_Reduction 127 16.7 Width reduction when in a menu TS 31.111 §5.2 R99 C274 PD_Width_Reduction | 118 | 15.6 | Number of characters supported across the ME | TS 31.111 §5.2 | R99 | C274 | | PD_Nb_Char_Disp |
| Supported 121 16.1 Display can be resized TS 31.111 §5.2 R99 C218 PD_Disp_Resiz | 119 | 15.7 | Number of characters supported across the ME display | - | R99 | C274 | | PD_Nb_Char_Disp |
| 121 16.1 Display can be resized TS 31.111 §5.2 R99 C218 PD_Disp_Resiz 122 16.2 Text Wrapping supported TS 31.111 §5.2 R99 C273 PD_Txt_Wrap 123 16.3 Text Scrolling supported TS 31.111 §5.2 R99 C273 PD_Txt_Scroll 124 16.4 Text attributes supported TS 31.111 §5.2 Rel-5 C228 PD_Text_Attrib 125 16.5 RFU TS 11.14, 5 R96 X PD_RFU_125 126 16.6 Width reduction when in a menu TS 31.111 §5.2 R99 C274 PD_Width_Reduc 127 16.7 Width reduction when in a TS 31.111 §5.2 R99 C274 PD_Width_Reduc | 120 | | | • | R99 | | | |
| 123 16.3 Text Scrolling supported TS 31.111 §5.2 R99 C273 PD_Txt_Scroll 124 16.4 Text attributes supported TS 31.111 §5.2 Rel-5 C228 PD_Text_Attrib 125 16.5 RFU TS 11.14, 5 R96 X PD_RFU_125 126 16.6 Width reduction when in a menu TS 31.111 §5.2 R99 C274 PD_Width_Reduc 127 16.7 Width reduction when in a menu TS 31.111 §5.2 R99 C274 PD_Width_Reduc | | | Display can be resized | | | | | |
| 124 16.4 Text attributes supported TS 31.111 §5.2 Rel-5 C228 PD_Text_Attrib 125 16.5 RFU TS 11.14, 5 R96 X PD_RFU_125 126 16.6 Width reduction when in a menu TS 31.111 §5.2 R99 C274 PD_Width_Reduction 127 16.7 Width reduction when in a menu TS 31.111 §5.2 R99 C274 PD_Width_Reduction | | | | | | | | |
| 125 16.5 RFU TS 11.14, 5 R96 X PD_RFU_125 126 16.6 Width reduction when in a menu TS 31.111 §5.2 R99 C274 PD_Width_Reduction 127 16.7 Width reduction when in a menu TS 31.111 §5.2 R99 C274 PD_Width_Reduction | 123 | | | | R99 | | | |
| 126 16.6 Width reduction when in a menu TS 31.111 §5.2 R99 C274 PD_Width_Reduction when in a menu 127 16.7 Width reduction when in a menu TS 31.111 §5.2 R99 C274 PD_Width_Reduction when in a menu | | | | | | | | |
| menu | | | | | | | | |
| | 126 | 16.6 | | TS 31.111 §5.2 | R99 | C274 | | PD_Width_Reduc |
| menu me | 127 | 16.7 | Width reduction when in a menu | TS 31.111 §5.2 | R99 | C274 | | PD_Width_Reduc |

| 128 1 129 1 130 1 131 1 | 17.1 17.2 17.3 | Terminal Profile Width reduction when in a menu TCP, UICC in client mode UDP, UICC in client mode TCP, UICC in server mode (i.e. class "k" is supported) TCP, Terminal in server | Ref. TS 31.111 §5.2 TS 31.111 §5.2 TS 31.111 §5.2 | Release R99 R99 | Status C274 | Support | Mnemonic PD_Width_Reduc |
|----------------------------------|----------------------|---|---|-----------------------|------------------------------------|---------|--------------------------------|
| 129 1 130 1 131 1 | 17.1 17.2 17.3 | menu TCP, UICC in client mode UDP, UICC in client mode TCP, UICC in server mode (i.e. class "k" is supported) | TS 31.111 §5.2 TS 31.111 §5.2 | | | | |
| 130 1 131 1 132 1 | 17.2 17.3 17.4 | UDP, UICC in client mode TCP, UICC in server mode (i.e. class "k" is supported) | TS 31.111 §5.2 | R99 | 0000 | | <u> </u> |
| 131 1 | 17.3 17.4 | TCP, UICC in server mode (i.e. class "k" is supported) | | | C220 | | PD_TCP |
| 132 1 | 17.4 | (i.e. class "k" is supported) | ITO 04 444 0= 0 | R99 | C221 | | PD_UDP |
| | | ITCD Torminal in comes | TS 31.111 §5.2 | Rel-7 | C262 | | PD_TCP_UICC_Serv erMode |
| 133 | | mode (i.e. class "k" is supported) | TS 31.111 §5.2 | Rel-7 | C263 | | PD_TCP_Terminal_S erverMode |
| | | UDP, Terminal in server mode (i.e. class "k" is supported) | TS 31.111 §5.2 | Rel-7 | C264 | | PD_UDP_Terminal_ ServerMode |
| 134 1 | 17.6 | Direct communication channel (i.e. class "k" is supported) | TS 31.111 §5.2 | Rel-10 | C284 | | Direct_Com_Channel |
| 135 1 | 17.7 | E- UTRAN (i.e. if class "e" is supported) | TS 31.111 §5.2 | Rel-8 | C275 | | PD_E_UTRAN |
| | 17.8 | HSDPA supported by ME | TS 31.111 §5.2 | Rel-6 | C258 | | PD_ HSDPA |
| | 18.1 | DISPLAY TEXT (Variable time out) | TS 31.111 §5.2 | Rel-4 | C229 | | PD_Disp_Var_Timeo ut |
| | 18.2 | GET INKEY (help is supported while waiting for immediate response or variable time out) | TS 31.111 §5.2 | Rel-4 | C231 | | PD_Get_Inkey_Help |
| 139 1 | | USB (Bearer Independent protocol supported bearers, class "e") | TS 31.111 §5.2 | Rel-4 | C232 | | PD_USB |
| 140 1 | | | TS 31.111 §5.2 | Rel-4 | C229 AND C267 AND C268 | | PD_Get_Inkey_Var_ Timeout |
| 141 1 | | Reserved for 3GPP2: PROVIDE LOCAL INFORMATION (ESN) | TS 31.111 §5.2 | R99 | X | | Reserved |
| 142 1 | 18.6 | CALL CONTROL on GPRS | TS 31.111 §5.2 | Rel-5 | C242 | | PD_CC_GPRS |
| 143 1 | | PROVIDE LOCAL INFORMATION (IMEISV) | TS 31.111 §5.2 | Rel-6 | М | | PD_Provide_Local_S V |
| | 18.8 | PROVIDE LOCAL INFORMATION (search mode change) | TS 31.111 §5.2 | Rel-6 | M | | PD_Provide_Local_S MC |
| | | Protocol Version | TS 31.111 §5.2 | R99 | X | | Reserved |
| | | Protocol Version | TS 31.111 §5.2 | R99 | X | | Reserved |
| | | Protocol Version | TS 31.111 §5.2 | R99 | X | | Reserved |
| | | Protocol Version RFU | TS 31.111 §5.2 TS 31.111 §5.2 | R99 R99 | X | | Reserved PD_RFU_149 |
| | | RFU | TS 31.111 §5.2 | R99 | X | | PD_RFU_150 |
| | | RFU | TS 31.111 §5.2 | R99 | X | | PD_RFU_151 |
| | | RFU | TS 31.111 §5.2 | R99 | X | | PD_RFU_152 |
| | 20.1 | Reserved by TIA/EIA/IS- 820 [25] | TS 31.111 §5.2 | R99 | X | | Reserved |
| 154 2 | 20.2 | Reserved by TIA/EIA/IS- 820 [25] | TS 31.111 §5.2 | R99 | Х | | Reserved |
| 155 2 | 20.3 | Reserved by TIA/EIA/IS- 820 [25] | TS 31.111 §5.2 | R99 | Х | | Reserved |
| 156 2 | 20.4 | Reserved by TIA/EIA/IS- 820 [25] | TS 31.111 §5.2 | R99 | Х | | Reserved |
| 157 2 | 20.5 | Reserved by TIA/EIA/IS- 820 [25] | TS 31.111 §5.2 | R99 | Х | | Reserved |
| | 20.6 | Reserved by TIA/EIA/IS- 820 [25] | TS 31.111 §5.2 | R99 | Х | | Reserved |
| 159 2 | 20.7 | Reserved by TIA/EIA/IS- 820 [25] | TS 31.111 §5.2 | R99 | Х | | Reserved |

| Item | Byte.bit | Terminal Profile | Ref. | Release | Status | Support | Mnemonic |
|------------|--------------|--|---|------------|-------------|----------|--------------------------|
| 160 | 20.8 | Reserved by TIA/EIA/IS- | TS 31.111 §5.2 | R99 | X | - Сирроп | Reserved |
| | | 820 [25] | 30 | | | | |
| 161 | 21.1 | WML browser supported | TS 31.111 §5.2 | Rel-6 | C233 | | PD_WML |
| | | | | | AND | | |
| | | | ======================================= | | C267 | | |
| 162 | 21.2 | XHTML browser supported | TS 31.111 §5.2 | Rel-6 | C234 | | PD_XHTML |
| | | | | | AND C267 | | |
| 163 | 21.3 | HTML browser supported | TS 31.111 §5.2 | Rel-6 | C235 | | PD_HTML |
| 100 | 21.0 | Trivia browder supported | 10 01.111 30.2 | 11010 | AND | | D_1111WL |
| | | | | | C267 | | |
| 164 | 21.4 | CHTML browser supported | TS 31.111 §5.2 | Rel-6 | C236 | | PD_CHTML |
| | | | | | AND | | |
| 405 | 04.5 | DELL. | TO 04 444 0F 0 | Boo | C267 | | DD DELL 405 |
| 165 | 21.5 | RFU | TS 31.111 §5.2 | R99 | X | | PD_RFU_165 |
| 166 | 21.6 21.7 | RFU RFU | TS 31.111 §5.2 TS 31.111 §5.2 | R99 | X | | PD_RFU_166 PD_RFU_167 |
| 167 168 | 21.7 | RFU | TS 31.111 §5.2 | R99 R99 | X | | PD_RFU_168 |
| 169 | 22.1 | Support of UTRAN PS with | TS 31.111 §5.2 | Rel-6 | C259 | | PD_UTRAN_PS_Ext |
| 103 | 22.1 | extended parameters | 10 01.111 30.2 | 1.61-0 | 0200 | | Param |
| 170 | 22.2 | PROVIDE LOCAL | TS 31.111 §5.2 | Rel-6 | C239 | | PD_Provide_Local_B |
| | | INFORMATION (Battery | 0. | | | | att |
| | | state) if class 'g' supported | | | | | |
| 171 | 22.3 | PLAY TONE (Melody | TS 31.111 §5.2 | Rel-6 | C241 | | PD_M_T_Tones |
| | | tones & themed tones | | | | | |
| 470 | 22.4 | supported) Multi-media in SET UP | TC 24 444 SE 2 | Dalic | 0040 | | DD Veradia Call |
| 172 | 22.4 | CALL supported (if class 'h' | TS 31.111 §5.2 | Rel-6 | C240 | | PD_Xmedia_Call |
| | | supported) | | | | | |
| 173 | 22.5 | Toolkit-initiated GBA | TS 31.111 §5.2 | Rel-6 | C266 | | PD_Toolkit_GBA |
| 174 | 22.6 | RETRIEVE | TS 31.111 §5.2 | Rel-6 | C238 | | PD_Retrieve_MMS |
| | | MULTIMEDIA MESSAGE, | Ü | | | | |
| | | (if class "j" is supported) | | | | | |
| 175 | 22.7 | SUBMIT MULTIMEDIA | TS 31.111 §5.2 | Rel-6 | C238 | | PD_Submit_MMS |
| | | MESSAGE, (if class "j" is | | | | | |
| 470 | 22.8 | supported) DISPLAY | TS 31.111 §5.2 | Dalic | C238 | | DD Display MMC |
| 176 | 22.0 | MULTIMEDIA MESSAGE, | 15 31.111 95.2 | Rel-6 | AND | | PD_Display_MMS |
| | | (if class "j" is supported) | | | C267 | | |
| 177 | 23.1 | SET FRAMES supported | TS 31.111 §5.2 | Rel-6 | C237 | | PD_Set_Frames |
| | | (if class 'i' supported) | ŏ | | | | |
| 178 | 23.2 | GET FRAMES STATUS | TS 31.111 §5.2 | Rel-6 | C237 | | PD_Get_Frames_Sta |
| | | supported (if class 'i' | | | | | t |
| 470 | 00.0 | supported) | TO 04 444 05 0 | D 10 | 0000 | | DD MMO NI CC C |
| 179 | 23.3 | MMS notification download (if class "j" is | 15 31.111 §5.2 | Rel-6 | C238 | | PD_MMS_Notificatio |
| | | supported) | | | | | n |
| 180 | 23.4 | Alpha Identifier in | TS 31.111 §5.2 | Rel-7 | C267 | | PD_Refresh_Alphald |
| 100 | 20 | REFRESH command | | 11017 | 020. | | entifier |
| | | supported by | | | | | |
| | | terminal | | | | | |
| 181 | 23.5 | Geographical Location | TS 31.111 §5.2 | Rel-8 | C265 | | PD_Geo_Loaction_R |
| | | Reporting (if class "n" is | | | | | eporting |
| 100 | 22.6 | supported) | TC 24 444 SE 2 | Dol 6 | ~ | | Paganyad |
| 182 | 23.6 | Reserved for 3GPP2: PROVIDE LOCAL | TS 31.111 §5.2 | Rel-6 | Х | | Reserved |
| | | INFORMATION (MEID) | | | | | |
| 183 | 23.7 | PROVIDE LOCAL | TS 31.111 §5.2 | Rel-6 | C278 | | PD_Provide_Local_N |
| | | INFORMATION (NMR | · · · · · · · · · · · · · · · · · · | | | | MR |
| | | (UTRAN/E-UTRAN)) | | | | | |
| 184 | 23.8 | USSD Data Download and | TS 31.111 §5.2 | Rel-6 | C272 | | PD_USSD_DD |
| 405 | 0.1. | application mode | TO 04 444 07 0 | — | 0055 | | DD 14 5 |
| 185 | 24.1 | Maximum number of | TS 31.111 §5.2 | Rel-6 | C256 | | PD_Max_Frames |
| | | frames supported (if class 'i' supported) | | | | | |
| | | i sappoitou <i>j</i> | | l . | | 1 | 1 |

| Item | Byte.bit | Terminal Profile | Ref. | Release | Status | Support | Mnemonic |
|------|----------|--|-----------------|----------------|--------|----------|---------------------------|
| 186 | 24.2 | Maximum number of | TS 31.111 §5.2 | Rel-6 | C256 | Cuppert | PD_Max_Frames |
| | | frames supported (if class | 0 | | | | |
| | | 'i' supported) | | | | | |
| 187 | 24.3 | Maximum number of | TS 31.111 §5.2 | Rel-6 | C256 | | PD_Max_Frames |
| | | frames supported (if class | | | | | |
| 400 | 24.4 | 'i' supported) | TC 24 444 SE 2 | Dalic | 0050 | | DD May France |
| 188 | 24.4 | Maximum number of frames supported (if class | TS 31.111 §5.2 | Rel-6 | C256 | | PD_Max_Frames |
| | | 'i' supported) | | | | | |
| 189 | 24.5 | RFU | TS 31.111 §5.2 | R99 | Х | | PD_RFU_189 |
| 190 | 24.6 | RFU | TS 31.111 §5.2 | R99 | X | | PD_RFU_190 |
| 191 | 24.7 | RFU | TS 31.111 §5.2 | R99 | X | | PD_RFU_191 |
| 192 | 24.8 | RFU | TS 31.111 §5.2 | R99 | Х | | PD_RFU_192 |
| 193 | 25.1 | Event: browsing status | TS 31.111 §5.2 | Rel-6 | C212 | | PD_Browser_Stat |
| | | _ | | | AND | | |
| | | | | | C267 | | |
| | | | | | AND | | |
| 404 | 05.0 | Freezet MANO Transfer | TO 04 444 SE 0 | Rel-6 | C268 | | DD MMO |
| 194 | 25.2 | Event: MMS Transfer status (if class "j" is | TS 31.111 §5.2 | Rei-6 | C238 | | PD_MMS |
| | | supported) | | | | | |
| 195 | 25.3 | Event Frame parameters | TS 31.111 §5.2 | Rel-6 | C237 | | PD_Event_Frames |
| | 20.0 | changed (if class 'i' | 10 011111 30.2 | 11010 | 0201 | | B_EVOIR_FIGHTOO |
| | | supported) | | | | | |
| 196 | 25.4 | Event: I-WLAN Access | TS 31.111 §5.2 | Rel-7 | C260 | | PD_RFU_Event_I- |
| | | status (if class "e" is | | | | | WLAN |
| | | supported) | | | | | |
| 197 | 25.5 | Event: Network Rejection | TS 31.111 §5.2 | Rel-8 | C279 | | PD_Event_NW_Reje |
| 400 | 05.0 | D 11 FT01 | TO 04 444 05 0 | D 1 7 | _ | | ction |
| 198 | 25.6 | Reserved by ETSI | TS 31.111 §5.2 | Rel-7 | 0 | | PD_Reserved |
| 199 | 25.7 | Event: Network Rejection for E-UTRAN | TS 31.111 §5.2 | Rel-8 | C283 | | PD_ Event_NW_Rejection |
| | | IOI E-OTRAIN | | | | | _E_UTRAN |
| 200 | 25.8 | Multiple access | TS 31.111 §5.2 | Rel-8 | 0 | | PD_Multiple_ACT |
| | | technologies supported in | 0 | | | | |
| | | Event Access Technology | | | | | |
| | | Change and Provide Local | | | | | |
| 004 | 00.4 | Information | TO 04 444 0F 0 | 5.10 | 0004 | | DD 5 1 000 0 II |
| 201 | 26.1 | | TS 31.111 §5.2 | Rel-9 | C281 | | PD_Event_CSG_Cell |
| 202 | 26.2 | (if class "q" is supported) | TS 31.111 §5.2 | Pol 0 | 0 | | _Selection |
| 203 | 26.3 | Reserved by ETSI RFU | TS 31.111 §5.2 | Rel-9 Rel-6 | X | | PD_Reserved PD_RFU_203 |
| 204 | 26.4 | RFU | TS 31.111 §5.2 | Rel-6 | X | | PD_RFU_204 |
| 205 | 26.5 | RFU | TS 31.111 §5.2 | Rel-6 | X | | PD_RFU_205 |
| 206 | 26.6 | RFU | TS 31.111 §5.2 | Rel-6 | X | | PD_RFU_206 |
| 207 | 26.7 | RFU | TS 31.111 §5.2 | Rel-6 | X | | PD_RFU_207 |
| 208 | 26.8 | RFU | TS 31.111 §5.2 | Rel-6 | X | | PD_RFU_208 |
| 209 | 27.1 | RFU | TS 31.111 §5.2 | Rel-6 | Х | | PD_RFU_209 |
| 210 | 27.2 | RFU | TS 31.111 §5.2 | Rel-6 | Х | | PD_RFU_210 |
| 211 | 27.3 | RFU | TS 31.111 §5.2 | Rel-6 | Х | | PD_RFU_211 |
| 212 | 27.4 | RFU | TS 31.111 §5.2 | Rel-6 | Х | | PD_RFU_212 |
| 213 | 27.5 | RFU | TS 31.111 §5.2 | Rel-6 | Х | | PD_RFU_213 |
| 214 | 27.6 | RFU | TS 31.111 §5.2 | Rel-6 | Х | | PD_RFU_214 |
| 215 | 27.7 | RFU | TS 31.111 §5.2 | Rel-6 | X | ļ | PD_RFU_215 |
| 216 | 27.8 | RFU | TS 31.111 §5.2 | Rel-6 | X | | PD_RFU_216 |
| 217 | 28.1 | Alignment left supported | TS 31.111 §5.2 | Rel-5 | C243 | - | PD_Text_Attrib_Left |
| 218 | 28.2 | Alignment center | TS 31.111 §5.2 | Rel-5 | C244 | | PD_Text_Attrib_Cent |
| 210 | 20.2 | Supported | TS 31.111 §5.2 | Pol F | COAE | | er PD_Text_Attrib_Righ |
| 219 | 28.3 | Alignment right supported | 13 31.111 95.2 | Rel-5 | C245 | | FD_TEXL_AMID_RIGN |
| 220 | 28.4 | Font size normal supported | TS 31.111 85.2 | Rel-5 | C246 | <u> </u> | PD_Text_Attrib_Nor |
| 220 | 20.7 | i on oizo nomiai oappoitea | . 5 51.111 35.2 | 1.010 | 0240 | | mal |
| 221 | 28.5 | Font size large supported | TS 31.111 §5.2 | Rel-5 | C247 | | PD_Text_Attrib_Larg |
| | | 3-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1 | 30.3 | | | | e |
| | | | | | | | |

| Item | Byte.bit | Terminal Profile | Ref. | Release | Status | Support | Mnemonic |
|------|----------|---|----------------|---------|--------|---------|-----------------------------------|
| 222 | 28.6 | Font size small supported | TS 31.111 §5.2 | Rel-5 | C248 | | PD_Text_Attrib_Smal |
| 223 | 28.7 | RFU | TS 31.111 §5.2 | Rel-6 | Х | | PD_RFU_223 |
| 224 | 28.8 | RFU | TS 31.111 §5.2 | Rel-6 | Х | | PD_RFU_224 |
| 225 | 29.1 | Style normal supported | TS 31.111 §5.2 | Rel-5 | C249 | | PD_Text_Attrib_Styl_ Norm |
| 226 | 29.2 | Style bold supported | TS 31.111 §5.2 | Rel-5 | C250 | | PD_Text_Attrib_Styl_ Bold |
| 227 | 29.3 | Style italic supported | TS 31.111 §5.2 | Rel-5 | C251 | | PD_Text_Attrib_Styl_ Italic |
| 228 | 29.4 | Style underlined supported | TS 31.111 §5.2 | Rel-5 | C252 | | PD_Text_Attrib_Styl_ Underl |
| 229 | 29.5 | Style strikethrough supported | TS 31.111 §5.2 | Rel-5 | C253 | | PD_Text_Attrib_Styl_ Strik |
| 230 | 29.6 | Style text foreground colour supported | TS 31.111 §5.2 | Rel-5 | C254 | | PD_Text_Attrib_Styl_ Text_Fore |
| 231 | 29.7 | Style text background colour supported | TS 31.111 §5.2 | Rel-5 | C255 | | PD_Text_Attrib_Styl_ Text_Back |
| 232 | 29.8 | RFU | TS 31.111 §5.2 | Rel-6 | Х | | PD_RFU_224 |
| 233 | 30.1 | I-WLAN bearer support (if class "e" is supported) | TS 31.111 §5.2 | Rel-7 | C260 | | PD_I-WLAN |
| 234 | 30.2 | Proactive UICC: PROVIDE LOCAL INFORMATION (WSID of the current I- WLAN connection) | TS 31.111 §5.2 | Rel-7 | C260 | | PD_Provide_Local_ WSID_WLAN |
| 235 | 30.3 | TERMINAL APPLICATIONS (i.e. class "k" is supported) | TS 31.111 §5.2 | Rel-7 | C261 | | PD_Terminal_Applic ations |
| 236 | 30.4 | "Steering of Roaming" REFRESH support | TS 31.111 §5.2 | Rel-7 | M | | PD_Steering_Of_Ro aming |
| 237 | 30.5 | Reserved by ETSI | TS 31.111 §5.2 | Rel-7 | 0 | | PD_Reserved |
| 238 | 30.6 | Proactive UICC: Geographical Location Request (if class "n" is supported) | TS 31.111 §5.2 | Rel-8 | C265 | | PD_Geo_Loaction_R equest |
| 239 | 30.7 | Reserved by ETSI | TS 31.111 §5.2 | Rel-8 | 0 | | PD_Reserved |
| 240 | 30.8 | "Steering of Roaming for I- WLAN" REFRESH support | TS 31.111 §5.2 | Rel-8 | C260 | | PD_Steering_Of_Ro aming _I-WLAN |
| 241 | 31.1 | Reserved by ETSI | TS 31.111 §5.2 | Rel-9 | 0 | | PD_Reserved |

| Item | Byte.bit | Terminal Profile | Ref. | Release | Status | Support | Mnemonic |
|------|----------|---|----------------|---------|--------|---------|-------------------------------------|
| 242 | 31.2 | Support of CSG cell discovery (if class "q" is supported) | TS 31.111 §5.2 | Rel-9 | C282 | | PS_CSG_Cell_Disco very |
| 243 | 31.3 | Confirmation parameters supported for OPEN CHANNEL in Terminal Server Mode | TS 31.111 §5.2 | Rel-9 | C285 | | PD_Open_Channel_ Conf_Parameters |
| 244 | 31.4 | Communication Control for IMS | TS 31.111 §5.2 | Rel-9 | C286 | | PD_IMS_COMMUNI CATION_CONTROL |
| 245 | 31.5 | Support of CAT over the modem interface (if class "s" is supported) | TS 31.111 §5.2 | Rel-9 | C287 | | PD_CAT_Modem_Int erface |
| 246 | 31.6 | Support for Incoming IMS Data event (if classes "e" and "t" are supported) | TS 31.111 §5.2 | Rel-9 | C288 | | PD_Incoming_IMS_D ata_Event |
| 247 | 31.7 | Support for IMS Registration event (if classes "e" and "t" are supported) | TS 31.111 §5.2 | Rel-9 | C289 | | PD_IMS_Reg_Event |
| 248 | 31.8 | Reserved by ETSI | TS 31.111 §5.2 | Rel-9 | 0 | | PD_Reserved |
| 249 | 32.1 | IMS support (if class "e" and "t" are supported) | TS 31.111 §5.2 | Rel-10 | C290 | | PD_UICC_ACCESS_ IMS |
| 250 | 32.2 | RFU | TS 31.111 §5.2 | Rel-10 | Х | | PD_RFU_250 |
| 251 | 32.3 | RFU | TS 31.111 §5.2 | Rel-10 | Χ | | PD_RFU_251 |
| 252 | 32.4 | RFU | TS 31.111 §5.2 | Rel-10 | Χ | | PD_RFU_252 |
| 253 | 32.5 | RFU | TS 31.111 §5.2 | Rel-10 | Χ | | PD_RFU_253 |
| 254 | 32.6 | RFU | TS 31.111 §5.2 | Rel-10 | Χ | | PD_RFU_254 |
| 255 | 32.7 | RFU | TS 31.111 §5.2 | Rel-10 | Χ | | PD_RFU_255 |
| 256 | 32.8 | RFU | TS 31.111 §5.2 | Rel-10 | Χ | | PD_RFU_256 |

| C201 | [void] | [void] |
|------|--|--|
| C202 | [void] | [void] |
| C203 | IF A.1/3 THEN M ELSE O.1 | O_Ucs2_Entry |
| C204 | IF A.1/15 THEN M ELSE O.1 | O_Ucs2_Disp |
| C205 | [void] | [void] |
| C206 | IF A.1/7 THEN M ELSE O | O_Dual_Slot |
| C207 | IF A.1/12 THEN M ELSE O.1 | O_BIP_CSD |
| C208 | IF (A.1/7 AND A.1/8) THEN M ELSE O.1 | O_Dual_Slot AND O_Detach_Rdr |
| C209 | IF A.1/9 THEN M ELSE O.1 | O_Run_At |
| C210 | [void] | [void] |
| C211 | [void] | [void] |
| C212 | IF A.1/10 THEN M ELSE O | O_LB |
| C213 | IF (A.1/11 AND A.1/85) THEN M for at least one of the bits 1 - 2 of byte 10 | O_Softkey AND O_No_Type_NK |
| C214 | IF C213 THEN M for at least one, but not for all of the bits 1 - 8 of byte 11 | O_Softkey AND O_No_Type_NK (parameters) |
| C215 | Void | Void |
| C216 | IF (A.1/13 AND A.1/84) THEN M ELSE O.1 | O_Scr_Siz AND O_No_Type_ND |
| C217 | Void | Void |
| C218 | IF (A.1/14 AND A.1/84) THEN M ELSE O.1 | O_Scr_Resiz AND O_No_Type_ND |
| C219 | Void | Void |
| C220 | IF A.1/18 THEN M ELSE O.1 | O_TCP |
| C221 | IF A.1/17 THEN M ELSE O.1 | O_UDP |
| C222 | IF A.1/21 THEN M ELSE O.1 | O_BIP_GPRS |
| C223 | IF (A.1/12 OR A.1/21 OR A.1/148 OR (A1.26 AND (A.1/27 OR A.1/28 OR A.1/29 OR A.1/30))) THEN M ELSE O | O_BIP_CSD OR O_BIP_GPRS OR O_UICC_ACCESS_IMS OR (O_BIP_Local AND (BIP_BT OR BIP_IrDA OR BIP_RS232 OR BIP_USB)) |
| C224 | IF (A1.26 AND (A.1/27 OR A.1/28 OR A.1/29 OR A.1/30)) THEN M ELSE O | O_BIP_Local AND (BIP_BT OR BIP_IrDA OR BIP_RS232 OR BIP_USB)) |

| C225 | IE (A 1/26 AND A1 27) THEN MELSE O 1 | O PID Local AND O PID PT |
|-------|--|---|
| C226 | IF (A.1/26 AND A1.27) THEN M ELSE O.1 IF (A.1/26 AND A1.28) THEN M ELSE O.1 | O_BIP_Local AND O_BIP_BT O_BIP_Local AND O_BIP_IrDA |
| C227 | IF (A.1/26 AND A1.29) THEN M ELSE O.1 | O_BIP_Local_AND |
| 0221 | II (A.1/20 AND A1.23) THEN WELDE O.1 | O_BIP_RS232 |
| C228 | IF ((A1./50 OR A.1/51 OR A.1/52 OR A.1/53 OR | (O_TAT_AL OR O_TAT_AC OR |
| | A.1/54 OR A.1/55 OR A.1/56 OR A.1/57 OR A.1/58 | O_TAT_AR OR O_TAT_FSN OR |
| | OR A.1/59 OR A.1/60 OR A.1/61 OR A.1/62) AND | O_TAT_FSL OR O_TAT_FSS OR |
| | A.1/84) THEN M ELSE O.1 | O_TAT_SN OR O_TAT_SB OR |
| | | O_TAT_SI OR O_TAT_SU OR |
| | | O_TAT_SS OR O_TAT_STFC |
| | | OR O_TAT_STFB) AND |
| | | O_No_Type_ND |
| C229 | IF (A.1/24 AND A.1/84) THEN M ELSE O.1 | O_Duration AND |
| | | O_No_Type_ND |
| C230 | Void | Void |
| C231 | IF (C229 OR (A.1/23 AND A.1/85)) AND A1.5 THEN | O_Help AND ((O_Duration AND |
| | M ELSE O.1 | O_No_Type_ND) OR |
| | | (O_Imm_Resp AND |
| | | O_No_Type_NK)) |
| C232 | IF (A.1/26 AND A.1/30) THEN M ELSE O.1 | O_BIP_Local AND O_USB |
| C233 | IF A.1/31 THEN M ELSE O.1 | O_WML |
| C234 | IF A.1/32 THEN M ELSE O.1 | O_XHTML |
| C235 | IF A.1/33 THEN M ELSE O.1 | O_HTML |
| C236 | IF A.1/34 THEN M ELSE O.1 | O_CHTML |
| C237 | IF (A.1/37 AND A.1/84) THEN M ELSE O.1 | O_Frames AND O_No_Type_ND |
| C238 | IF A.1/38 THEN M ELSE O | O_MMS |
| C239 | IF A.1/35 THEN M ELSE O.1 | O_Batt |
| C240 | IF (A.1/36 AND A.1/84 AND A.1/85 AND A.1/87) | O_Xmedia Call AND |
| | THEN M ELSE O.1 | O_No_Type_ND AND |
| | | O_No_Type_NK AND |
| | | O_No_Type_NS |
| C241 | IF (A.1/82 AND A.1/86) THEN M ELSE O.1 | O_M_T_Tones AND |
| 00.10 | UE (A 4/40 AND A 4/04) THEN MELOE O 4 | O_No_Type_NA |
| C242 | IF (A.1/16 AND A.1/84) THEN M ELSE O.1 | O_CC_GPRS AND |
| C243 | IF (A.1/50 AND A.1/84) THEN M ELSE O.1 | O_No_Type_ND |
| C243 | IF (A.1/50 AND A.1/84) THEN M ELSE O.1 | O_TAT_AL AND O_No_Type_ND |
| C244 | IF (A.1/51 AND A.1/84) THEN M ELSE O.1 | O_TAT_AC AND |
| | (| O_No_Type_ND |
| C245 | IF (A.1/52 AND A.1/84) THEN M ELSE O.1 | O_TAT_AR AND |
| | | O_No_Type_ND |
| C246 | IF (A.1/53 AND A.1/84) THEN M ELSE O.1 | O_TAT_FSN AND |
| | , , , , , , , , , , , , , , , , , , , | O_No_Type_ND |
| C247 | IF (A.1/54 AND A.1/84) THEN M ELSE O.1 | O_TAT_FSL AND |
| | | O_No_Type_ND |
| C248 | IF (A.1/55 AND A.1/84) THEN M ELSE O.1 | O_TAT_FSS AND |
| | | O_No_Type_ND |
| C249 | IF (A.1/56 AND A.1/84) THEN M ELSE O.1 | O_TAT_SN AND |
| | | O_No_Type_ND |
| C250 | IF (A.1/57 AND A.1/84) THEN M ELSE O.1 | O_TAT_SB AND |
| 0054 | UE (A 4/E0 AND A 4/O4) THEN M EL OF O 4 | O_No_Type_ND |
| C251 | IF (A.1/58 AND A.1/84) THEN M ELSE O.1 | O_TAT_SI AND O_No_Type_ND |
| C252 | IF (A.1/59 AND A.1/84) THEN M ELSE O.1 | O_TAT_SU AND |
| C253 | IF (A.1/60 AND A.1/84) THEN M ELSE O.1 | O_No_Type_ND O_TAT_SS AND |
| 0200 | (A. 1/00 AND A. 1/04) THEN WELSE U.T | O_TAT_SS AND O_No_Type_ND |
| C254 | IF (A.1/61 AND A.1/84) THEN M ELSE O.1 | O_TAT_STFC AND |
| 0204 | III (A. 1/01 AND A. 1/04) THEN WELSE U.T | O_No_Type_ND |
| C255 | IF (A.1/62 AND A.1/84) THEN M ELSE O.1 | OR O_TAT_STFB AND |
| 0233 | (A. 1/02 AND A. 1/04) THEN WELSE O.T | O_No_Type_ND |
| C256 | IF C237 THEN M for at least one of the bits 1 - 4 of | O_Frames AND O_No_Type_ND |
| 2200 | byte 24 | |
| L | ~J\\\ = 1 | |

| C257 | IF (A.1/12 OR A.1/21 OR A.1/148 OR (A1.26 AND | O_BIP_CSD OR O_BIP_GPRS |
|------|--|------------------------------|
| | (A.1/27 OR A.1/28 OR A.1/29 OR A.1/30))) THEN M | OR OR O_UICC_ACCESS_IMS |
| | for at least one of the bits 6 - 8 of byte 13 | OR (O_BIP_Local AND (BIP_BT |
| | | OR BIP_IrDA OR BIP_R\$232 OR |
| 0050 | UE A 4/00 THEN MELOE O 4 | BIP_USB)) |
| C258 | IF A.1/66 THEN M ELSE O.1 | O_HSDPA |
| C259 | IF A.1/67 THEN M ELSE O.1 | O_UTRAN_PS_Ext_Param |
| C260 | IF A.1/70 THEN M ELSE O | O_I-WLAN |
| C261 | IF A.1/71 THEN M ELSE O.1 | O_Terminal_Applications |
| C262 | IF A.1/72 THEN M ELSE O.1 | O_TCP_UICC_ServerMode |
| C263 | IF A.1/73 THEN M ELSE O.1 | O_TCP_Terminal_ServerMode |
| C264 | IF A.1/74 THEN M ELSE O.1 | O_UDP_Terminal_ServerMode |
| C265 | IF A.1/81 THEN M ELSE O.1 | O_Geo_Location_Discovery |
| C266 | IF A.1/83 THEN M ELSE O.1 | O_Toolkit_GBA |
| C267 | IF A.1/84 THEN M ELSE O.1 | O_No_Type_ND |
| C268 | IF A.1/85 THEN M ELSE O.1 | O_No_Type_NK |
| C269 | IF A.1/86 THEN M ELSE O.1 | O_No_Type_NA |
| C270 | IF A.1/87 THEN M ELSE O.1 | O_No_Type_NS |
| C271 | IF A.1/88 THEN M ELSE O.1 | O_No_Type_NL |
| C272 | IF A.1/89 THEN M ELSE O.1 | O_USSD_Data_DL |
| C273 | IF A.1/84 THEN O ELSE O.1 | O_No_Type_ND |
| C274 | IF A.1/84 THEN bit values "0" / "1" allowed ELSE O.1 | O_No_Type_ND |
| C275 | IF A.1/132 OR A.1/133 THEN M ELSE O.1 | pc_BIP_eFDD OR pc_BIP_eTDD |
| C276 | IF A.1/84 THEN O.1 ELSE M | O_No_Type_ND |
| C277 | IF A.1/85 THEN O.1 ELSE M | O_No_Type_NK |
| C278 | IF A.1/134 THEN M ELSE O.1 | O_UTRAN |
| C279 | IF NOT A.1/135 THEN M ELSE O | O_EUTRAN_NO_UTRAN_ |
| | | NO_GERAN |
| C280 | IF A.1/64 THEN M ELSE O | O_GERAN |
| C281 | IF A.1/136 THEN M ELSE O.1 | O_Event_CSG_Cell_Selection |
| C282 | IF A.1/137 THEN M ELSE O.1 | O_CSG_Cell_Discovery |
| C283 | IF (A.1/139 OR A.1/140) THEN M ELSE O.1 | pc_eFDD OR pc_eTDD |
| C284 | IF A.1/143 THEN M ELSE O.1 | O_Direct_Com_Channel |
| C285 | IF (A.1/73 AND A.1/84 AND A.1/85) THEN M ELSE | O_TCP_Terminal_ServerMode |
| | 0.1 | AND O_No_Type_ND AND |
| | | O_No_Type_NK |
| C286 | IF A.1/144 THEN M ELSE O.1 | O_CC_IMS |
| C287 | IF A.1/145 THEN M ELSE O.1 | O_CAT_Modem_Interface |
| C288 | IF A.1/146 THEN M ELSE O.1 | O_Event_Incoming_IMS_Data |
| C289 | IF A.1/147 THEN M ELSE O.1 | O_Event_IMS_Registration |
| C290 | IF A.1/148 THEN M ELSE O.1 | O_UICC_ACCESS_IMS |
| | | |
| 0.1 | Allowed: Bit value ="0" or bit not present | |
| | | |

Annex C (informative): Change history

| 17-050016 | CP-doc | CR | REV Meet | ng SUBJECT | CAT | NEW VERS |
|---|-----------|------|----------|---|-----|----------|
| CP-950144 0001 CT-28 | | - | | | OA! | |
| CP-950144 0002 | | 0001 | | , , | F | |
| CP-950144 0003 | | | | | • | |
| CP-950144 0004 | | | | | • | |
| CP-050144 0005 CT-28 Reli-6 Correction of logate dependent Er values F 6.2 0 | | | | | | |
| CP-050447 0006 CT-29 | | | | Removal of GET RESPONSE references | • | |
| CP-050447 (0009) CT-29 Correction of EP_BDN coding F 6.2.0 CP-050447 (0008) CT-29 Correction of EP_BDN coding F 6.2.0 CP-050447 (0009) CT-29 Correction of EP_BDN coding F 6.2.0 CP-050447 (0011) CT-29 Incorrect TFlag value for SET UP 14.1 in clause 27.22.4.16.1 F 6.2.0 CP-050447 (0011) CT-29 Correction of TP-MR (TP Message Reference) of the SMS SUBMIT FDU SUbmitted to the USS (Network). F 6.2.0 CP-050447 (0012) CT-29 Correction in the Logical description and BER encoding in clause FD Corrections in the Logical description and BER encoding in clause FD CORD (CP-050447 (0014)) CT-29 Incorrect DCS in SMS-CB data download tests F 6.2.0 CP-050447 (0014) CT-29 Incorrect DCS in SMS-CB data download tests F 6.2.0 CP-050447 (0015) CT-29 Essential Corrections in clause 27.22 at MOS HONET MESSAGE F 6.2.0 CP-050447 (0014) CT-29 Essential Corrections in clause 27.22 at MOS HONET MESSAGE F 6.2.0 CP-050447 (0017) CT-28 Essential Corrections in Calsuse 27.22 at MOS HONET MESSAGE F 6.2.0 CP-050447 (0017) CT-28 Essential Corrections in Calsuse 27.22 at A22.21 F 6.2.0 CP | | | <u> </u> | | | |
| CP-050447 0008 | | | | | | |
| CP-050447 0009 CT-29 Incorrect Dialling Number string in clause 27.22.4.13.1 SEQ 1.9 for PCS F 6.2.0 | | | | | | |
| 1900 CP-050447 0011 CT-29 Essential corrections in display icons Setup Menu and Select Item f 6,2.0 CP-050447 0012 CT-29 Correction of TP-MR (TP Message Reference) of the SMS SUBMIT F 6,2.0 CP-050447 0013 CT-29 Corrections in the Logical description and BER encoding in clause F 6,2.0 CP-050447 0014 CT-29 Corrections in the Logical description and BER encoding in clause F 6,2.0 CP-050447 0015 CT-29 Corrections in the Logical description and BER encoding in clause F 6,2.0 CP-050447 0015 CT-29 Incorrect DCS in SMS-CB data download tests F 6,2.0 CONTROL BY USIM CP-050447 0016 CT-29 Introduction of BDN tests for terminals not supporting BDN B 6,2.0 CONTROL BY USIM CP-050447 0016 CT-29 Introduction of BDN tests for terminals not supporting BDN B 6,2.0 CP-050447 0018 CT-29 Essential Corrections F 6,2.0 CP-050447 0018 CT-29 Missing interactions in Barear independent Protocol test cases F 6,2.0 CP-050447 0019 CT-29 Missing interactions in Barear independent Protocol test cases F 6,2.0 CP-050447 0020 CT-29 Applicability of TC 27.22.4.7.1 and TCs related to FDN and BDN F 6,2.0 CP-050447 0020 CT-29 Applicability of TC 27.22.4.7.1 and TCs related to FDN and BDN F 6,2.0 CP-050447 0020 CT-29 Correction of CB message identifier F 6,2.0 CP-050447 0021 CT-29 Correction of CB message identifier F 6,2.0 CP-050447 0025 CT-29 Resential corrections of the William Corrections of Laws 27.22.4.11 F 6,3.0 CP-050496 0026 CT-29 Correction of Send SS (UCS2) tests F 6,3.0 CP-050496 0027 CT-29 Resential Corrections of Select Item (cons support) F 6,3.0 CP-050495 0031 CT-30 Correction of Saphrenia Support) F 6,3.0 CP-050495 0031 CT-30 Correction of Saphrenia Support) F 6,3.0 CP-050495 0031 CT-30 CT-30 Correction of SPP P D At 1 (Drama) F 6,3.0 CP-050495 0034 CT-30 CT-30 CT-30 | | | | Incorrect Dialling Number string in clause 27 22 4 13 1 SEO 1 9 for PCS | • | |
| CP-950447 0010 C7-29 | 01 030447 | 0003 | 0123 | | | 0.2.0 |
| CP-050447 0011 CT-29 Incorrect Ti Flag value for SET UP 1.4.1 in clause 27.22.4.16.1 F 6.2.0 | CP-050447 | 0010 | - CT-29 | | f | 6.2.0 |
| CP-050447 0013 - CT-29 | | | | Incorrect Ti Flag value for SET UP 1.4.1 in clause 27.22.4.16.1 | F | 6.2.0 |
| TPDU submitted to the USS (Network) | | | | | F | |
| CP-050447 0014 CT-29 Incorrect DCS in SMS-CB data download tests F 6.2.0 | | | | | | |
| CP-050447 0014 CT-29 Incorrect DCS in SMS-CB data download tests F 6.2.0 | CP-050447 | 0013 | - CT-29 | | F | 6.2.0 |
| CP-050447 0015 C7-29 Essential Corrections in clause 27.22.8 MO SHORT MESSAGE F 6.2.0 CP-050447 0016 C7-29 Introduction of BDN tests for terminals not supporting BDN B 6.2.0 CP-050447 0018 C7-29 Introduction of BDN tests for terminals not supporting BDN F 6.2.0 CP-050447 0018 C7-29 Incorrect SMS-PP 1.4.1 TPDU in clause 27.22.4.22.1 F 6.2.0 CP-050447 0020 C7-29 Incorrect SMS-PP 1.4.1 TPDU in clause 27.22.4.22.1 F 6.2.0 CP-050447 0020 C7-29 Applicability of TC 27.22.4.7.1 and TCs related to FDN and BDN F 6.2.0 CP-050447 0021 C7-29 Applicability of TC 27.22.4.7.1 and TCs related to FDN and BDN F 6.2.0 CP-050447 0024 C7-29 Applicability of TC 27.22.4.7.1 and TCs related to FDN and BDN F 6.2.0 CP-050447 0024 C7-29 Correction of CB message identifier F 6.2.0 CP-050440 0027 C7-29 Rels. Addition of new UCS2 Tests B 6.2.0 | | | | 27.22.6.2 and 27.22.4.11 | | |
| CONTROL BY USIM | | 0014 | | | | 6.2.0 |
| CP-050447 0017 CT-29 Introduction of BDN tests for terminals not supporting BDN B 6.2.0 CP-050447 0018 CT-29 Issential Corrections F 6.2.0 CP-050447 0019 CT-29 Incorrect SMS-PP 1.4.1 TPDU in clause 27.22.4.22.1 F 6.2.0 CP-050447 0020 CT-29 Missing interactions in Bearer Independent Protocol test cases F 6.2.0 CP-050447 0022 CT-29 Applicability of TC 27.22.4.7.1 and TCs related to FDN and BDN F 6.2.0 CP-050447 0023 CT-29 Applicability of TC 27.22.4.7.1 and TCs related to FDN and BDN F 6.2.0 CP-050447 0024 CT-29 Correction of CB message identifier F 6.2.0 CP-050447 0027 CT-29 CT-29 Relie-8 Addition of new UGS2 Tests B 6.2.0 CP-0504495 0028 CT-30 CS-10-15 Editional corrections in deut to the CRs approved at CP-29 - 6.2.1 CP-050495 0028 CT-30 Corrections of Select term (icons support) F 6.3.0 CP-050495 0030 CT-30 Essential Corrections in clause 27.22.4.11 F 6.3.0 | CP-050447 | 0015 | - CT-29 | Essential Corrections in clause 27.22.8 MO SHORT MESSAGE | F | 6.2.0 |
| CP-050447 0018 CT-29 Essential Corrections F 6.2.0 CP-050447 0018 CT-29 Incorrect SMS-PP 1.4.1 TPDU in clause 27.22.4.22.1 F 6.2.0 CP-050447 0020 CT-29 Missing interactions in Bearer Independent Protocol test cases F 6.2.0 CP-050447 0022 CT-29 Applicability of TC 27.22.4.7.1 and TCs related to FDN and BDN F 6.2.0 CP-050447 0022 CT-29 Applicability of TC 27.22.4.7.1 and TCs related to FDN and BDN F 6.2.0 CP-050447 0024 CT-29 Essential correction to Terminal Profile table E.1 F 6.2.0 CP-050447 0025 CT-29 Rel-6: Addition of new UCS2 Tests B 6.2.0 CP-050447 0027 CT-29 Rel-6: Addition of new UCS2 Tests B 6.2.0 CP-050495 0028 CT-30 Correction of Send SS (UCS2) tests F 6.3.0 CP-050495 0029 CT-30 Correction of Send SS (UCS2) tests F 6.3.0 CP-050495 0030 CT-30 Essential Corrections in clause 27.22.4.11 F 6.3.0 CP-050495 0031 CT-30 Essential | | | | | | |
| CP-050447 0018 - CT-29 Incorrect SMS-PP 1.4.1 TPDU in clause 27.22.4.2.1 F 6.2.0 CP-050447 0020 - CT-29 Missing interactions in Bearer Independent Protocol test cases F 6.2.0 CP-050447 0020 - CT-29 Applicability of TC 27.22.4.7.1 and TCs related to FDN and BDN F 6.2.0 CP-050447 0022 - CT-29 Applicability of TC 27.22.4.7.1 and TCs related to FDN and BDN F 6.2.0 CP-050447 0024 - CT-29 CP-05047 025 CT-29 Cerction of CB message identifier F 6.2.0 CP-050447 0025 - CT-29 Cerction of CB message identifier F 6.2.0 CP-050447 0027 - CT-29 Cerction of Send SS (UCS2) Tests B 6.2.0 CP-050495 0028 - CT-30 Correction of Send SS (UCS2) Tests F 6.3.0 CP-050495 0029 - CT-30 Correction of Send SS (UCS2) Tests F 6.3.0 CP-050496 | | | | | | |
| CP-050447 0029 CT-29 | | | | | | |
| CP-050447 0022 CT-29 Correction of Refresh tests F 6.2.0 CP-050447 0023 - CT-29 Applicability of TC 27.22.4.7.1 and TCs related to FDN and BDN F 6.2.0 CP-050447 0023 - CT-29 Essential correction to Terminal Profile table E.1 F 6.2.0 CP-050447 0024 - CT-29 Correction of CB message identifier F 6.2.0 CP-050447 0027 - CT-29 Incorrect Coding of SMS-PP (Data download) Message in clause F 6.2.0 CP-050497 0027 - CT-29 Incorrect Coding of SMS-PP (Data download) Message in clause F 6.2.0 CP-050495 0028 - CT-30 Correction of Send SS (UCS2) tests F 6.3.0 CP-050495 0029 - CT-30 Correction of Send SS (UCS2) tests F 6.3.0 CP-050495 00303 - CT-30 Corrections to Select Item (icons support) F 6.3.0 CP-050495 00321 - CT-30 Correction in | | | | | | |
| CP-050447 0022 CT-29 Applicability of TC 27.22.4.7.1 and TCs related to FDN and BDN F 6.2.0 CP-050447 0023 CT-29 Essential correction to Terminal Profile table E.1 F 6.2.0 CP-050447 0024 CT-29 Essential correction to Terminal Profile table E.1 F 6.2.0 CP-050447 0025 CT-29 Rel-6: Addition of new UCS2 Tests B 6.2.0 CP-050447 0027 CT-29 Rel-6: Addition of new UCS2 Tests B 6.2.0 CP-050497 0027 CT-29 Incorrect Coding of SMS-PP (Data download) Message in clause F 6.2.0 CP-050495 0028 CT-30 Corrections of Set UGS2) tests F 6.3.0 CP-050495 0029 CT-30 Essential Corrections in clause 27.22.4.11 F 6.3.0 CP-050495 0030 CT-30 Essential Corrections in Status Event (normal) F 6.3.0 CP-050495 0031 CT-30 Essential Corrections of Set Up Menu test F 6.3.0 CP-050495 0032 CT-30 | | | | | • | |
| CP-050447 0023 CT-29 Essential correction to Terminal Profile table E.1 F 6.2.0 CP-050447 0025 CT-29 Correction of CB message identifier F 6.2.0 CP-050447 0025 CT-29 Rel-6: Addition of new UCS2 Tests B 6.2.0 CP-050447 0027 CT-29 Incorrect Coding of SMS-PP (Data download) Message in clause F 6.2.0 CP-050497 0027 CT-29 Incorrect Coding of SMS-PP (Data download) Message in clause F 6.2.0 CP-050495 0028 CT-30 Correction of SMS-PP (Data download) Message in clause F 6.2.1 CP-050495 0029 CT-30 Correction of Send SS (UCS2) tests F 6.3.0 CP-050495 0029 CT-30 Corrections to Select Item (icons support) F 6.3.0 CP-050495 0030 CT-30 Corrections to Select Item (icons support) F 6.3.0 CP-050495 0031 CT-30 CT-30 Correction of Set Up Menu test F 6.3.0 CP-050495 0032 CT-30 CT-30 Correction in SMS-PP (January Laborator | | | | | | |
| CP-050447 0024 CT-29 Correction of CB message identifier F 6.2.0 CP-050447 0027 CT-29 Rel-6: Addition of new UCS2 Tests B 6.2.0 CP-050447 0027 CT-29 Rel-6: Addition of new UCS2 Tests F 6.2.0 CP-050495 0028 - CT-30 Corrections of Send SS (UCS2) tests F 6.3.0 CP-050495 0029 - CT-30 Essential Corrections in clause 27.22.4.11 F 6.3.0 CP-050495 0030 CT-30 Correction of Send SS (UCS2) tests F 6.3.0 CP-050495 0031 CT-30 Essential Corrections in clause 27.22.4.11 F 6.3.0 CP-050495 0031 CT-30 Essential Correction is Status Event (normal) F 6.3.0 CP-050495 0032 CT-30 Essential Correction of Send Up Menu test F 6.3.0 CP-050495 0034 CT-30 Essential Correction of Send Up Menu test F 6.3.0 CP-050495 0035 CT-30 Essential Correction | | | | | | |
| CP-050447 0025 CT-29 Rel-6: Addition of new UCS2 Tests B 6.2.0 CP-050447 0027 - CT-29 Incorrect Coding of SMS-PP (Data download) Message in clause F 6.2.0 - - - 2005-10: Editorial corrections due to the CRs approved at CP-29 - 6.2.1 - - - 2005-10: Editorial corrections due to the CRs approved at CP-29 - 6.2.1 CP-050495 0028 - CT-30 Correction of Send SS (UCS2) tests F 6.3.0 CP-050495 0039 - CT-30 Correction of Send SS (UCS2) tests F 6.3.0 CP-050495 0031 - CT-30 Corrections to Select Item (icons support) F 6.3.0 CP-050495 0032 - CT-30 Essential Corrections of Set Up Menu test F 6.3.0 CP-050495 0033 - CT-30 Correction in SMS-PP 1.4.1 TPDU of clause 27.22.4.22.1 F 6.3.0 CP-050495 0035 - CT-30 Essential Correction in MO SHORT MESSAGE CONTROL BY USIM | | | | | | |
| CP-050447 0027 - CT-29 Incorrect Coding of SMS-PP (Data download) Message in clause 27.22.4.7.1 and 27.22.5.1 F 6.2.0 - - - 2005-10: Editorial corrections due to the CRs approved at CP-29 - 6.2.1 CP-050495 0028 - CT-30 Correction of Send SS (UCS2) tests F 6.3.0 CP-050495 0039 - CT-30 Corrections in Clause 27.22.4.11 F 6.3.0 CP-050495 0030 - CT-30 Corrections to Select Item (icons support) F 6.3.0 CP-050495 0031 - CT-30 Essential Corrections of Set Up Menu test F 6.3.0 CP-050495 0032 - CT-30 Correction of applicability table and related addition of missing test sequences F 6.3.0 CP-050495 0033 - CT-30 Correction of SMS-PP download message in Refresh test F 6.3.0 CP-050495 0036 - CT-30 Essential Correction in MO SHORT MESSAGE CONTROL BY USIM Deletion of SEQ 1.3 in clause 27.22.4.13.1 F 6.3.0 | | | | | | 6.2.0 |
| 27.22.4.7.1 and 27.22.5.1 | | | | | | |
| CP-050495 0028 - CT-30 Correction of Send SS (UCS2) tests F 6.3.0 CP-050495 0029 - CT-30 Essential Corrections in clause 27.22.4.11 F 6.3.0 CP-050495 0030 - CT-30 Corrections to Select Item (icons support) F 6.3.0 CP-050495 0031 - CT-30 Z7.22.7.4.1 Location Status Event (normal) F 6.3.0 CP-050495 0032 - CT-30 Essential Corrections of Set Up Menu test F 6.3.0 CP-050495 0033 - CT-30 Correction of applicability table and related addition of missing test sequences F 6.3.0 CP-050495 0033 - CT-30 Correction in SMS-PP 1.4.1 TPDU of clause 27.22.4.22.1 F 6.3.0 CP-050495 0035 - CT-30 Essential Correction in MO SHORT MESSAGE CONTROL BY USIM peletion of sequence 1.9 F 6.3.0 CP-050495 0036 - CT-30 Deletion of SEQ 1.3 in clause 27.22.4.13.1 F 6.3.0 CP-050495 0037 - CT-30 Deletion of Send Data test sequence F 6.4.0 <td< td=""><td>CP-050447</td><td>0027</td><td>- CT-29</td><td></td><td>F</td><td>6.2.0</td></td<> | CP-050447 | 0027 | - CT-29 | | F | 6.2.0 |
| CP-050495 0028 CT-30 Correction of Send SS (UCS2) tests F 6.3.0 CP-050495 0029 - CT-30 Essential Corrections in clause 27.22.4.11 F 6.3.0 CP-050495 0030 - CT-30 Corrections to Select Item (icons support) F 6.3.0 CP-050495 0031 - CT-30 27.22.7.4.1 Location Status Event (normal) F 6.3.0 CP-050495 0032 - CT-30 Essential Correction of Set Up Menu test F 6.3.0 CP-050495 0033 - CT-30 Correction of applicability table and related addition of missing test sequences F 6.3.0 CP-050495 0034 - CT-30 Correction in SMS-PP 1.4.1 TPDU of clause 27.22.4.22.1 F 6.3.0 CP-050495 0035 - CT-30 Essential Corrections of SMS-PP download message in Refresh test case F 6.3.0 CP-050495 0037 - CT-30 Essential Correction in MO SHORT MESSAGE CONTROL BY USIM period and sequence 1.9 F 6.3.0 CP-050495 0037 - CT-31 Essential Correction of Provide Local Information (IMEI) test F | | | | | | |
| CP-050495 0029 CT-30 Essential Corrections in clause 27.22.4.11 F 6.3.0 CP-050495 0030 - CT-30 Corrections to Select Item (icons support) F 6.3.0 CP-050495 0031 - CT-30 Z7.22.7.4.1 Location Status Event (normal) F 6.3.0 CP-050495 0032 - CT-30 Essential Corrections of Set Up Menu test F 6.3.0 CP-050495 0033 - CT-30 Correction of applicability table and related addition of missing test sequences F 6.3.0 CP-050495 0034 - CT-30 Correction in SMS-PP 1.4.1 TPDU of clause 27.22.4.22.1 F 6.3.0 CP-050495 0035 - CT-30 Essential Corrections of SMS-PP download message in Refresh test case F 6.3.0 CP-050495 0036 - CT-30 Essential Correction in MO SHORT MESSAGE CONTROL BY USIM peletion of sequence 1.9 F 6.3.0 CP-050495 0037 - CT-30 Deletion of Seq 0.1 3 in clause 27.22.4.13.1 F 6.3.0 CP-050495 0037 - CT-31 Essential Correction of Creations of Provide Local Information (IMEI) test | - | - | | 2005-10: Editorial corrections due to the CRs approved at CP-29 | - | 6.2.1 |
| CP-050495 0030 CT-30 Corrections to Select Item (icons support) F 6.3.0 CP-050495 0031 - CT-30 27.22.7.4.1 Location Status Event (normal) F 6.3.0 CP-050495 0032 - CT-30 Essential Corrections of Set Up Menu test F 6.3.0 CP-050495 0033 - CT-30 Correction of applicability table and related addition of missing test sequences F 6.3.0 CP-050495 0034 - CT-30 Correction in SMS-PP 1.4.1 TPDU of clause 27.22.4.22.1 F 6.3.0 CP-050495 0035 - CT-30 Essential Corrections of SMS-PP download message in Refresh test case F 6.3.0 CP-050495 0036 - CT-30 Essential Correction in MO SHORT MESSAGE CONTROL BY USIM Deletion of Sequence 1.9 F 6.3.0 CP-050495 0037 - CT-30 Deletion of SEQ 1.3 in clause 27.22.4.13.1 F 6.3.0 CP-060013 0041 - CT-31 Deletion of Send Data test sequence F 6.4.0 CP-060013 0042 - CT-31 Essential Correction in SEQ 1.8 of clause 27.22.8 F 6. | CP-050495 | 0028 | | | F | 6.3.0 |
| CP-050495 0031 CT-30 27.22.7.4.1 Location Status Event (normal) F 6.3.0 CP-050495 0032 CT-30 Essential Corrections of Set Up Menu test F 6.3.0 CP-050495 0033 - CT-30 Correction of applicability table and related addition of missing test sequences F 6.3.0 CP-050495 0034 - CT-30 Correction in SMS-PP 1.4.1 TPDU of clause 27.22.4.22.1 F 6.3.0 CP-050495 0035 - CT-30 Essential Corrections of SMS-PP download message in Refresh test F 6.3.0 CP-050495 0036 - CT-30 Essential Correction in MO SHORT MESSAGE CONTROL BY USIM Deletion of sequence 1.9 F 6.3.0 CP-050495 0037 - CT-30 Deletion of SEQ 1.3 in clause 27.22.4.13.1 F 6.3.0 CP-060013 0041 - CT-31 Deletion of Seq Data test sequence F 6.4.0 CP-060013 0044 - CT-31 Essential Correction in SEQ 1.8 of clause 27.22.8 F 6.4.0 CP-060013 0045 | | | | | | |
| CP-050495 0032 CT-30 Essential Corrections of Set Up Menu test F 6.3.0 CP-050495 0033 - CT-30 Correction of applicability table and related addition of missing test sequences F 6.3.0 CP-050495 0034 - CT-30 Correction in SMS-PP 1.4.1 TPDU of clause 27.22.4.22.1 F 6.3.0 CP-050495 0035 - CT-30 Essential Correction in MO SHORT MESSAGE CONTROL BY USIM Deletion of sequence 1.9 F 6.3.0 CP-050495 0036 - CT-30 Essential Correction in MO SHORT MESSAGE CONTROL BY USIM Deletion of sequence 1.9 F 6.3.0 CP-050495 0037 - CT-30 Deletion of SEQ 1.3 in clause 27.22.4.13.1 F 6.3.0 CP-060013 0041 - CT-31 Deletion of Sequence 1.9 F 6.4.0 CP-060013 0042 - CT-31 Essential correction in SEQ 1.8 of clause 27.22.8.1 F 6.4.0 CP-060013 0044 - CT-31 Essential Correction in SEQ 1.8 of clause 27.22.4.3 F 6.4.0 CP-0600 | CP-050495 | 0030 | | | | |
| CP-050495 0033 CT-30 Correction of applicability table and related addition of missing test sequences F 6.3.0 CP-050495 0034 - CT-30 Correction in SMS-PP 1.4.1 TPDU of clause 27.22.4.22.1 F 6.3.0 CP-050495 0035 - CT-30 Essential Corrections of SMS-PP download message in Refresh test case F 6.3.0 CP-050495 0036 - CT-30 Essential Correction in MO SHORT MESSAGE CONTROL BY USIM Deletion of Sequence 1.9 F 6.3.0 CP-050495 0037 - CT-30 Deletion of SEQ 1.3 in clause 27.22.4.13.1 F 6.3.0 CP-060013 0041 - CT-31 Deletion of Send Data test sequence F 6.4.0 CP-060013 0042 - CT-31 Essential correction of Provide Local Information (IMEI) test F 6.4.0 CP-060013 0044 - CT-31 Essential Correction in SEQ 1.8 of clause 27.22.8 F 6.4.0 CP-060013 0045 - CT-31 Essential correction in 27.22.7.3.1 Call Disconnected Event F 6.4.0 | | | | | | |
| Sequences | | | | | - | |
| CP-050495 0034 - CT-30 Correction in SMS-PP 1.4.1 TPDU of clause 27.22.4.22.1 F 6.3.0 CP-050495 0035 - CT-30 Essential Corrections of SMS-PP download message in Refresh test F 6.3.0 CP-050495 0036 - CT-30 Essential Correction in MO SHORT MESSAGE CONTROL BY USIM Deletion of Sequence 1.9 F 6.3.0 CP-050495 0037 - CT-30 Deletion of SEQ 1.3 in clause 27.22.4.13.1 F 6.3.0 CP-060013 0041 - CT-31 Deletion of Send Data test sequence F 6.4.0 CP-060013 0042 - CT-31 Essential correction or Provide Local Information (IMEI) test F 6.4.0 CP-060013 0044 - CT-31 Essential correction in SEQ 1.8 of clause 27.22.8 F 6.4.0 CP-060013 0045 - CT-31 Essential correction on 27.22.7.3.1 Call Disconnected Event F 6.4.0 CP-060014 0048 - CT-31 Essential correction in clause 27.22.4.11 F 6.4.0 CP-0600 | CP-050495 | 0033 | - CT-30 | | F | 6.3.0 |
| CP-050495 0035 CT-30 Essential Corrections of SMS-PP download message in Refresh test case F 6.3.0 CP-050495 0036 - CT-30 Essential Correction in MO SHORT MESSAGE CONTROL BY USIM Deletion of sequence 1.9 F 6.3.0 CP-050495 0037 - CT-30 Deletion of SEQ 1.3 in clause 27.22.4.13.1 F 6.3.0 CP-060013 0041 - CT-31 Deletion of Send Data test sequence F 6.4.0 CP-060013 0042 - CT-31 Essential correction of Provide Local Information (IMEI) test F 6.4.0 CP-060013 0044 - CT-31 Essential Correction in SEQ 1.8 of clause 27.22.8 F 6.4.0 CP-060013 0045 - CT-31 Essential Correction on 27.22.7.3.1 Call Disconnected Event F 6.4.0 CP-060013 0050 - CT-31 Essential correction on Channel Data length in clause 27.22.4.30 F 6.4.0 CP-060014 0048 - CT-31 Essential Corrections in clause 27.22.8 MO SHORT MESSAGE F 6.4.0 | | | | | | |
| Case | | | | Correction in SMS-PP 1.4.1 TPDU of clause 27.22.4.22.1 | - | |
| CP-050495 0036 CT-30 Essential Correction in MO SHORT MESSAGE CONTROL BY USIM Deletion of sequence 1.9 F 6.3.0 CP-050495 0037 CT-30 Deletion of SEQ 1.3 in clause 27.22.4.13.1 F 6.3.0 CP-060013 0041 CT-31 Deletion of SEQ 1.3 in clause 27.22.4.13.1 F 6.4.0 CP-060013 0042 CT-31 Essential correction of Provide Local Information (IMEI) test F 6.4.0 CP-060013 0042 CT-31 Essential correction in SEQ 1.8 of clause 27.22.8 F 6.4.0 CP-060013 0045 CT-31 Essential correction on 27.22.7.3.1 Call Disconnected Event F 6.4.0 CP-060014 0045 CT-31 Essential corrections in clause 27.22.4.30 F 6.4.0 CP-060014 0048 CT-31 Essential Corrections in clause 27.22.4.11 F 6.4.0 CP-060014 0049 CT-31 Essential corrections in SEQ 1.4 of clause 27.22.4.11.1 SEND SS F 6.4.0 CP-060014 0047 CT-31 Essential corrections to SET UP CALL test sequences F 6.4.0 | CP-050495 | 0035 | - CT-30 | • | F | 6.3.0 |
| Deletion of sequence 1.9 | CD 050405 | 0036 | CT 20 | | Е | 620 |
| CP-050495 0037 CT-30 Deletion of SEQ 1.3 in clause 27.22.4.13.1 F 6.3.0 CP-060013 0041 - CT-31 Deletion of Send Data test sequence F 6.4.0 CP-060013 0042 - CT-31 Essential correction of Provide Local Information (IMEI) test F 6.4.0 CP-060013 0044 - CT-31 Essential Correction in SEQ 1.8 of clause 27.22.8 F 6.4.0 CP-060013 0045 - CT-31 Essential correction on 27.22.7.3.1 Call Disconnected Event F 6.4.0 CP-060013 0050 - CT-31 Essential correction of Channel Data length in clause 27.22.4.30 F 6.4.0 CP-060014 0048 - CT-31 Essential Corrections in clause 27.22.4.11 F 6.4.0 CP-060014 0052 - CT-31 Essential Corrections in SEQ 1.4 of clause 27.22.4.11.1 SEND SS F 6.4.0 CP-060014 0047 - CT-31 Essential corrections for Run AT Command tests F 6.4.0 CP-060015 0055 -< | CP-050495 | 0036 | - 01-30 | | F | 6.3.0 |
| CP-060013 0041 - CT-31 Deletion of Send Data test sequence F 6.4.0 CP-060013 0042 - CT-31 Essential correction of Provide Local Information (IMEI) test F 6.4.0 CP-060013 0044 - CT-31 Essential Correction in SEQ 1.8 of clause 27.22.8 F 6.4.0 CP-060013 0045 - CT-31 Essential correction on 27.22.7.3.1 Call Disconnected Event F 6.4.0 CP-060013 0050 - CT-31 Essential correction of Channel Data length in clause 27.22.4.30 F 6.4.0 CP-060014 0048 - CT-31 Essential Corrections in clause 27.22.4.11 F 6.4.0 CP-060014 0052 - CT-31 Essential Corrections in SEQ 1.4 of clause 27.22.4.11.1 SEND SS F 6.4.0 CP-060014 0049 - CT-31 Essential corrections of Run AT Command tests F 6.4.0 CP-060014 0053 - CT-31 Essential corrections to SET UP CALL test sequences F 6.4.0 CP-060015 < | CP-050495 | 0037 | - CT-30 | Deletion of SEO 1.3 in clause 27.22.4.13.1 | F | 630 |
| CP-060013 0042 - CT-31 Essential correction of Provide Local Information (IMEI) test F 6.4.0 CP-060013 0044 - CT-31 Essential Correction in SEQ 1.8 of clause 27.22.8 F 6.4.0 CP-060013 0045 - CT-31 Essential correction on 27.22.7.3.1 Call Disconnected Event F 6.4.0 CP-060014 0050 - CT-31 Essential correction of Channel Data length in clause 27.22.4.30 F 6.4.0 CP-060014 0048 - CT-31 Essential Corrections in clause 27.22.4.11 F 6.4.0 CP-060014 0052 - CT-31 Essential Corrections in clause 27.22.8 MO SHORT MESSAGE CONTROL BY SIM F 6.4.0 CP-060014 0049 - CT-31 Essential correction in SEQ 1.4 of clause 27.22.4.11.1 SEND SS (normal) F 6.4.0 CP-060014 0047 - CT-31 Essential corrections of Run AT Command tests F 6.4.0 CP-060015 0055 - CT-31 Essential Correction in TERMINAL RESPONSE coding of clause F 6.4.0 | | | | | - | |
| CP-060013 0044 - CT-31 Essential Correction in SEQ 1.8 of clause 27.22.8 F 6.4.0 CP-060013 0045 - CT-31 Essential correction on 27.22.7.3.1 Call Disconnected Event F 6.4.0 CP-060013 0050 - CT-31 Essential correction of Channel Data length in clause 27.22.4.30 F 6.4.0 CP-060014 0048 - CT-31 Essential Corrections in clause 27.22.4.11 F 6.4.0 CP-060014 0052 - CT-31 Essential Corrections in clause 27.22.8 MO SHORT MESSAGE CONTROL BY SIM F 6.4.0 CP-060014 0049 - CT-31 Essential correction in SEQ 1.4 of clause 27.22.4.11.1 SEND SS (normal) F 6.4.0 CP-060014 0047 - CT-31 Essential corrections of Run AT Command tests F 6.4.0 CP-060014 0053 - CT-31 Essential corrections to SET UP CALL test sequences F 6.4.0 CP-060015 0055 - CT-31 Essential correction in TERMINAL RESPONSE coding of clause F 6.4.0 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | |
| CP-060013 0045 CT-31 Essential correction on 27.22.7.3.1 Call Disconnected Event F 6.4.0 CP-060013 0050 - CT-31 Essential correction of Channel Data length in clause 27.22.4.30 F 6.4.0 CP-060014 0048 - CT-31 Essential Corrections in clause 27.22.4.11 F 6.4.0 CP-060014 0052 - CT-31 Essential Corrections in clause 27.22.8 MO SHORT MESSAGE CONTROL BY SIM F 6.4.0 CP-060014 0049 - CT-31 Essential correction in SEQ 1.4 of clause 27.22.4.11.1 SEND SS (normal) F 6.4.0 CP-060014 0047 - CT-31 Essential corrections of Run AT Command tests F 6.4.0 CP-060014 0053 - CT-31 Essential corrections to SET UP CALL test sequences F 6.4.0 CP-060015 0055 - CT-31 Essential Correction in TERMINAL RESPONSE coding of clause F 6.4.0 CP-060015 0056 - CT-31 Essential corrections to Timer Expiration tests F 6.4.0 CP-0 | | | | | | |
| CP-060013 0050 CT-31 Essential correction of Channel Data length in clause 27.22.4.30 F 6.4.0 CP-060014 0048 - CT-31 Essential Corrections in clause 27.22.4.11 F 6.4.0 CP-060014 0052 - CT-31 Essential Corrections in clause 27.22.8 MO SHORT MESSAGE CONTROL BY SIM F 6.4.0 CP-060014 0049 - CT-31 Essential correction in SEQ 1.4 of clause 27.22.4.11.1 SEND SS (normal) F 6.4.0 CP-060014 0047 - CT-31 Essential corrections of Run AT Command tests F 6.4.0 CP-060014 0053 - CT-31 Essential corrections to SET UP CALL test sequences F 6.4.0 CP-060015 0055 - CT-31 Essential Correction in TERMINAL RESPONSE coding of clause F 6.4.0 CP-060015 0056 - CT-31 Essential corrections to Timer Expiration tests F 6.4.0 CP-060015 0054 - CT-31 BER-TLV suppressions F 6.4.0 CP-060022 0043 | | | | | | |
| CP-060014 0048 - CT-31 Essential Corrections in clause 27.22.4.11 F 6.4.0 CP-060014 0052 - CT-31 Essential Corrections in clause 27.22.8 MO SHORT MESSAGE CONTROL BY SIM F 6.4.0 CP-060014 0049 - CT-31 Essential correction in SEQ 1.4 of clause 27.22.4.11.1 SEND SS (normal) F 6.4.0 CP-060014 0047 - CT-31 Essential corrections of Run AT Command tests F 6.4.0 CP-060014 0053 - CT-31 Essential corrections to SET UP CALL test sequences F 6.4.0 CP-060015 0055 - CT-31 Essential Correction in TERMINAL RESPONSE coding of clause F 6.4.0 CP-060015 0056 - CT-31 Essential corrections to Timer Expiration tests F 6.4.0 CP-060015 0054 - CT-31 BER-TLV suppressions F 6.4.0 CP-060022 0043 - CT-31 Essential Correction in SEQ 1.7 of clause 27.22.4.13.1 F 6.4.0 CP-060022 0046 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | |
| CP-060014 0052 - CT-31 Essential Corrections in clause 27.22.8 MO SHORT MESSAGE CONTROL BY SIM F 6.4.0 CP-060014 0049 - CT-31 Essential correction in SEQ 1.4 of clause 27.22.4.11.1 SEND SS (normal) F 6.4.0 CP-060014 0047 - CT-31 Essential corrections of Run AT Command tests F 6.4.0 CP-060014 0053 - CT-31 Essential corrections to SET UP CALL test sequences F 6.4.0 CP-060015 0055 - CT-31 Essential Correction in TERMINAL RESPONSE coding of clause F 6.4.0 CP-060015 0056 - CT-31 Essential corrections to Timer Expiration tests F 6.4.0 CP-060015 0054 - CT-31 BER-TLV suppressions F 6.4.0 CP-060157 0059 - CT-31 Add SMS PP Data Download RP-ERROR Test Case B 6.4.0 CP-060022 0043 - CT-31 Essential Correction in SEQ 1.7 of clause 27.22.4.13.1 F 6.4.0 CP-060022 0046 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | |
| CP-060014 0049 - CT-31 Essential correction in SEQ 1.4 of clause 27.22.4.11.1 SEND SS F 6.4.0 | | | | | | |
| CP-060014 0047 - CT-31 Essential corrections of Run AT Command tests F 6.4.0 | 0. 000011 | 0002 | 0.01 | | | 0.1.0 |
| CP-060014 0047 - CT-31 Essential corrections of Run AT Command tests F 6.4.0 | CP-060014 | 0049 | - CT-31 | Essential correction in SEQ 1.4 of clause 27.22.4.11.1 SEND SS | F | 6.4.0 |
| CP-060014 0053 - CT-31 Essential corrections to SET UP CALL test sequences F 6.4.0 CP-060015 0055 - CT-31 Essential Correction in TERMINAL RESPONSE coding of clause 27.22.4.31 F 6.4.0 CP-060015 0056 - CT-31 Essential corrections to Timer Expiration tests F 6.4.0 CP-060015 0054 - CT-31 BER-TLV suppressions F 6.4.0 CP-060157 0059 - CT-31 Add SMS PP Data Download RP-ERROR Test Case B 6.4.0 CP-060022 0043 - CT-31 Essential Correction in SEQ 1.7 of clause 27.22.4.13.1 F 6.4.0 CP-060022 0046 - CT-31 Essential correction of Refresh test F 6.4.0 | | | | | | |
| CP-060015 0055 - CT-31 Essential Correction in TERMINAL RESPONSE coding of clause 27.22.4.31 F 6.4.0 CP-060015 0056 - CT-31 Essential corrections to Timer Expiration tests F 6.4.0 CP-060015 0054 - CT-31 BER-TLV suppressions F 6.4.0 CP-060157 0059 - CT-31 Add SMS PP Data Download RP-ERROR Test Case B 6.4.0 CP-060022 0043 - CT-31 Essential Correction in SEQ 1.7 of clause 27.22.4.13.1 F 6.4.0 CP-060022 0046 - CT-31 Essential correction of Refresh test F 6.4.0 | CP-060014 | 0047 | - CT-31 | Essential corrections of Run AT Command tests | F | 6.4.0 |
| CP-060015 0055 - CT-31 Essential Correction in TERMINAL RESPONSE coding of clause 27.22.4.31 F 6.4.0 CP-060015 0056 - CT-31 Essential corrections to Timer Expiration tests F 6.4.0 CP-060015 0054 - CT-31 BER-TLV suppressions F 6.4.0 CP-060157 0059 - CT-31 Add SMS PP Data Download RP-ERROR Test Case B 6.4.0 CP-060022 0043 - CT-31 Essential Correction in SEQ 1.7 of clause 27.22.4.13.1 F 6.4.0 CP-060022 0046 - CT-31 Essential correction of Refresh test F 6.4.0 | | | - CT-31 | | | |
| CP-060015 0056 - CT-31 Essential corrections to Timer Expiration tests F 6.4.0 CP-060015 0054 - CT-31 BER-TLV suppressions F 6.4.0 CP-060157 0059 - CT-31 Add SMS PP Data Download RP-ERROR Test Case B 6.4.0 CP-060022 0043 - CT-31 Essential Correction in SEQ 1.7 of clause 27.22.4.13.1 F 6.4.0 CP-060022 0046 - CT-31 Essential correction of Refresh test F 6.4.0 | CP-060015 | 0055 | | Essential Correction in TERMINAL RESPONSE coding of clause | F | 6.4.0 |
| CP-060015 0054 - CT-31 BER-TLV suppressions F 6.4.0 CP-060157 0059 - CT-31 Add SMS PP Data Download RP-ERROR Test Case B 6.4.0 CP-060022 0043 - CT-31 Essential Correction in SEQ 1.7 of clause 27.22.4.13.1 F 6.4.0 CP-060022 0046 - CT-31 Essential correction of Refresh test F 6.4.0 | | | | 27.22.4.31 | | |
| CP-060015 0054 - CT-31 BER-TLV suppressions F 6.4.0 CP-060157 0059 - CT-31 Add SMS PP Data Download RP-ERROR Test Case B 6.4.0 CP-060022 0043 - CT-31 Essential Correction in SEQ 1.7 of clause 27.22.4.13.1 F 6.4.0 CP-060022 0046 - CT-31 Essential correction of Refresh test F 6.4.0 | | | | Essential corrections to Timer Expiration tests | F | |
| CP-060022 0043 - CT-31 Essential Correction in SEQ 1.7 of clause 27.22.4.13.1 F 6.4.0 CP-060022 0046 - CT-31 Essential correction of Refresh test F 6.4.0 | | | | | | |
| CP-060022 0046 - CT-31 Essential correction of Refresh test F 6.4.0 | | | | | | |
| | | | | | | |
| CP-060022 0051 - CT-31 Essential correction of Channel Data length in Result TLV of clause F 6.4.0 | | | | | | |
| | CP-060022 | 0051 | - CT-31 | Essential correction of Channel Data length in Result TLV of clause | F | 6.4.0 |

| CP-doc | CR | REV | Meeting | SUBJECT | CAT | NEW_VERS |
|------------------------|------|-----|---------|--|-----|----------|
| | | | | 27.22.4.30 | | |
| CP-060022 | 0060 | - | CT-31 | CR 31.124 Rel-6: Insertion of missing REFRESH (IMSI changing procedure) test cases | F | 6.4.0 |
| CP-060022 | 0057 | - | CT-31 | Essential corrections of references | F | 6.4.0 |
| CP-060241 | 0061 | - | CT-32 | Proposal to the TS 31.124 Split by referencing the relevant USAT Test procedures to TS 102 384 | | 6.5.0 |
| CP-060241 | 0062 | - | CT-32 | Essential corrections on test cases 27.22.6.3 and 27.22.6.4 using record 2 in EF FDN | | 6.5.0 |
| CP-060241 | 0063 | - | CT-32 | Essential corrections on TC 27.22.6.4 sequence 4.1 | | 6.5.0 |
| CP-060241 | 0064 | - | CT-32 | Essential corrections on SEND SHORT MESSAGE test cases | | 6.5.0 |
| CP-060241 | 0065 | - | CT-32 | Essential correction of text attributes tests | | 6.5.0 |
| CP-060241 | 0066 | - | CT-32 | Definition of appropriate QoS in BIP test cases related to GPRS for 3G | | 6.5.0 |
| CP-060241 | 0071 | - | CT-32 | Essential correction of Refresh test in 27.22.7.4.2, seq. 2.4 | | 6.5.0 |
| CP-060241 | 0074 | - | CT-32 | Essential corrections of RUN AT Command tests | | 6.5.0 |
| CP-060241 | 0067 | - | CT-32 | Essential correction of tables B.1 and E.1 | | 6.5.0 |
| CP-060242 | | - | CT-32 | Essential Correction in REGISTER 1.2B message coding of clause 27.22.4.11.1 SEND SS (normal) | F | 6.5.0 |
| CP-060242 | 0069 | - | CT-32 | Essential correction of 27.22.4.13.1 SET UP CALL, seq 1.4 | F | 6.5.0 |
| CP-060242 | | - | CT-32 | Essential correction of second card reader test applicability | F | 6.5.0 |
| CP-060242 | 0072 | - | CT-32 | Correction of TON/NPI coding for Call Control Test case | F | 6.5.0 |
| CP-060242 | 0073 | - | CT-32 | Essential corrections on 27.22.4.11.1 sequence. 1.2 | F | 6.5.0 |
| CP-060242 | | - | CT-32 | Essential correction of BIP tests | F | 6.5.0 |
| CP-060389 | | 1 | CT-33 | Wrong reference inside test requirement of TC 27.22.7.2.2 | F | 6.6.0 |
| CP-060389 | | 1 | CT-33 | Essential corrections of applicability table | F | 6.6.0 |
| CP-060389 | | 1 | CT-33 | Essential correction of IMEISV coding for Provide Local Information | F | 6.6.0 |
| CP-060389 | | 1 | CT-33 | Essential corrections of text attribute tests for Send USSD and Close channel | F | 6.6.0 |
| CP-060389 | 0090 | 1 | CT-33 | Proposal to the TS 31.124 Split by referencing the relevant USAT Test procedures to TS 102 384 | F | 6.6.0 |
| CP-060389 | 0091 | 1 | CT-33 | Correction to the UCS2 coding in Setup Call test | F | 6.6.0 |
| CP-060389 | 0092 | 1 | CT-33 | Essential correction of RUN AT Command for text attribute tests | F | 6.6.0 |
| CP-060389 | | 1 | CT-33 | Correction of RECEIVE DATA tests | F | 6.6.0 |
| CP-060389 | | 1 | CT-33 | Correction of terminology for USIM Service Table | F | 6.6.0 |
| CP-060389 | | 1 | CT-33 | Correction of 2 nd alpha identifier usages in SET UP CALL tests | F | 6.6.0 |
| CP-060389 | 0098 | 1 | CT-33 | Correction of various typographical errors | F | 6.6.0 |
| CP-060389 | 0101 | 1 | CT-33 | Essential corrections to OPEN CHANNEL text attribute test sequences | F | 6.6.0 |
| CP-060389 | | 1 | CT-33 | Correction of "Precedence class" values in Bearer Independent Protocol test cases | F | 6.6.0 |
| CP-060389 | 0076 | 1 | CT-33 | Essential corrections on PROVIDE LOCAL INFORMATION test sequences | F | 6.6.0 |
| CP-060389 | 0800 | 2 | CT-33 | Essential corrections on test sequences using the TLV data object Location Information | F | 6.6.0 |
| CP-060389 | 0100 | 2 | CT-33 | Essential corrections to SET UP CALL (UCS2 Display) test sequences | F | 6.6.0 |
| CP-060389 | 0081 | 3 | CT-33 | Essential corrections to REFRESH(normal) test sequence | F | 6.6.0 |
| CP-060389 | 0102 | 1 | CT-33 | Essential corrections to SEND SS display tests concerning longForwardedToNumber | F | 6.6.0 |
| CP-060475 | | 1 | CT-33 | Essential corrections of MMI entries in table E.1 | F | 6.6.0 |
| CP-060475 | | 2 | CT-33 | Corrections to SET UP CALL test case 27.22.4.13.1 | F | 6.6.0 |
| CP-060475 | | 1 | CT-33 | Essential corrections to SEND SS concerning longForwardedToNumber | F | 6.6.0 |
| CP-060475 | | 2 | CT-33 | Corrections to MO SHORT MESSAGE CONTROL BY USIM tests | F | 6.6.0 |
| CP-060517 | 0084 | 1 | CT-33 | Essential corrections Set Up Call, seq. 1.9 | F | 6.6.0 |
| CP-060540 | | - | CT-34 | Correction of APN Coding in Open Channel test case | F | 6.7.0 |
| CP-060540 | 0085 | 2 | CT-34 | Essential corrections of BIP entries in table E.1 | F | 6.7.0 |
| CP-060540 | | 2 | CT-34 | Essential correction of Result TLV handling | F | 6.7.0 |
| CP-060540 | | - | CT-34 | Essential correction of expected sequence in OPEN CHANNEL test case | | 6.7.0 |
| CP-060727 | 0105 | - | CT-34 | Some of the Applicability table content is missing when printed or in Print Layout mode | F | 6.7.0 |
| CP-060727 | 0106 | 1 | CT-34 | Correction to SET UP CALL | F | 6.7.0 |
| CP-060727 | 0107 | | CT-34 | Correction to SEND SS | F | 6.7.0 |
| CP-060727 | | 1 | CT-34 | Addition of REFRESH USIM Application Reset | В | 6.7.0 |
| CP-060727 | | - | CT-34 | Essential corrections on SEND SS (UCS2 display) test cases | F | 6.7.0 |
| CP-060727 | | - | CT-34 | Essential corrections on REFRESH TC 27.22.4.7.1 | F | 6.7.0 |
| CP-060727 | | 1 | CT-34 | Corrections in the interpretation of Katakana Character | F | 6.7.0 |
| CP-070063 | 0115 | - | CT-35 | Essential correction of 27.22.5.2 | F | 6.8.0 |
| CP-070063 | 0113 | 1 | CT-35 | Essential correction of Terminal Profile Support table | F | 6.8.0 |
| CP-070063 | | 1 | CT-35 | Essential correction of 27.22.4.13.1 Expected Sequence 1.7 | F | 6.8.0 |
| CP-070065 | 0116 | | CT-35 | Essential correction of 27.22.4.7, seq. 1.7 | F | 6.8.0 |
| CP-070065 | | - | CT-35 | Essential correction of TC 27.22.7.4.1 | F | 6.8.0 |
| | | - | CT-35 | CR implementation error correction for 27.22.6.2 SEQ 2.2 | F | 6.8.0 |
| CP-070065 | | l | CT-35 | CR implementation error correction for 27.22.4.11.1 SEQ 1.4A | F | 6.8.0 |
| CP-070065 CP-070065 | 0121 | - | 0.00 | | | |
| | | 1 | CT-35 | Essential clarification of Network Simulator selection | F | 6.8.0 |

| CP-doc | CR | REV | Meeting | SUBJECT | CAT | NEW VERS |
|------------------------|------|----------|----------------|---|---------|----------------|
| CP-070065 | | 2 | CT-35 | Addition of new expected sequence to the SMS-PP Data Download test | С | 6.8.0 |
| OD 070005 | 0405 | | OT 05 | case | _ | 0.0.0 |
| CP-070065 | 0125 | 2 | CT-35 | Addition of a new expected sequence to the SMS-CB Data Download test case | F | 6.8.0 |
| CP-070297 | 0127 | 2 | CT-36 | Essential correction of test case applicability | F | 6.9.0 |
| CP-070297 | | - | CT-36 | Correction of 27.22.4.2 applicability | F | 6.9.0 |
| CP-070297 | | 1 | CT-36 | Essential correction of test case applicability for 27.22.6.1 | Α | 6.9.0 |
| CP-070297 | | 1 | CT-36 | Essential correction on 27.22.8 | Α | 6.9.0 |
| CP-070297 | | - | CT-36 | Essential correction on 27.22.5.1 | F | 6.9.0 |
| CP-070297 CP-070297 | | - | CT-36 CT-36 | Essential correction on 27.22.4.11.1 sequence. 1.4 B Correction of reference to ISO/IEC 7816-3 | F A | 6.9.0 6.9.0 |
| - | - | | 2007-06 | Update to Rel-7 version (MCC) | - | 7.0.0 |
| CP-070610 | 0136 | 1 | CT-37 | Essential Correction to 27.22.6.2 | F | 7.1.0 |
| CP-070619 | | - | CT-37 | Essential correction of variable timeout test case applicability | F | 7.1.0 |
| CP-070610 | 0138 | - | CT-37 | Essential correction to 27.22.4.13.1, seq. 1.9 | F | 7.1.0 |
| CP-070619 | | - | CT-37 | Essential Correction to 27.22.6.1, Seq. 1.1 | F | 7.1.0 |
| CP-070619 | | - | CT-37 | Essential correction of references | F | 7.1.0 |
| CP-070619 | | 1 | CT-37 | Essential correction of 27.22.4.13.1, sequence 1.7 | F | 7.1.0 |
| CP-070619 CP-070619 | | 1 | CT-37 CT-37 | Test Cases dependant on Radio Access Clarification Essential correction of 27.22.4.7.1, sequence 1.6 | F F | 7.1.0 7.1.0 |
| CP-070843 | | 1 | CT-38 | Essential correction of 27.22.8, sequence 1.3 in order to remove | A | 7.1.0 |
| CF-070043 | 0143 | ' | C1-30 | Iverification of the Alpha Identifier | ^ | 7.2.0 |
| CP-070843 | 0154 | 1 | CT-38 | Essential correction of 27.22.4.7.1, sequence 1.6 caring of the missing | Α | 7.2.0 |
| | | | | requirements in TS 31.111 | | |
| CP-070843 | 0146 | 1 | CT-38 | Essential correction of 27.22.4.26.2.4.2, seq. 2.2 in order to remove the | Α | 7.2.0 |
| OD 070040 | 0455 | | OT 00 | possibility of retrieving a deleted previously visited URL | | 7.0.0 |
| CP-070843 CP-070847 | | - | CT-38 CT-38 | Correction to add optional support of Call Hold Supplementary Service Essential correction terminal profile indication for Local Connection Event | A | 7.2.0 7.2.0 |
| CP-070847 | _ | <u>-</u> | CT-38 | Essential correction terminal profile indication for Eocal Conflection Event | F | 7.2.0 |
| CP-070847 | | - | CT-38 | Definition of test sequence 1.7 in test case 27.22.4.15 | F. | 7.2.0 |
| CP-070847 | | - | CT-38 | Definition of test sequence 1.12 and 1.13 in test case 27.22.4.15 | F | 7.2.0 |
| CP-070847 | 0152 | - | CT-38 | Essential correction on test case 27.22.4.28.2.1 correcting wrong | F | 7.2.0 |
| | | | | implementation of CR 0078 rev1 in C6-060547 | _ | |
| CP-070847 | | 1 | CT-38 | Introduction of Rel-7 test case applicability | F | 7.2.0 |
| CP-080172 | | - | CT-39 | Essential correction to 27.22.4.15 | F F | 7.3.0 |
| CP-080172 CP-080172 | | 1 | CT-39 CT-39 | Essential correction of 27.22.8, seq. 1.3 Essential correction regarding terminal capabilities | F | 7.3.0 7.3.0 |
| CP-080172 | | - | CT-39 | Essential correction to network dependency of several tests | F | 7.3.0 |
| CP-080388 | - | 1 | CT-40 | Essential correction of icon test case applicability | F | 7.4.0 |
| CP-080388 | | 2 | CT-40 | Essential correction to 27.22.6.4 | F | 7.4.0 |
| CP-080388 | 0163 | 3 | CT-40 | Essential correction of test case applicability of 27.22.6.2 and 27.22.4.11 | F | 7.4.0 |
| CP-080588 | | - | CT-41 | Essential correction of TC 27.22.4.12.1 Seq. 1.6 | F | 7.5.0 |
| CP-080588 | | - | CT-41 | Essential correction of test case applicability | F | 7.5.0 |
| CP-080588 | | - | CT-41 | Essential correction of TC 27.22.7.8.1 | F - | 7.5.0 |
| CP-080906 | | - | CT-42 | Essential correction of TC 27.22.6.5 seq. 5.1 applicability | F F | 7.6.0 |
| CP-080906 CP-080948 | | 3 | CT-42 CT-42 | Essential correction of bearer parameters in browser tests Pre-conditions for Launch browser | A | 7.6.0 7.6.0 |
| CP-080948 | | - | CT-42 | Essential correction of 27.22.4.26.2 Seq. 2.2 | Α | 7.6.0 |
| | - | - | SP-42 | Upgrade to Rel-8 | - | 8.0.0 |
| CP-080194 | 0173 | 1 | CT-43 | Inclusion of Rel-8 test case applicability and Rel-8 feature indication in | F | 8.1.0 |
| | | | | the terminal profile content | | |
| CP-080194 | | - | CT-43 | Essential correction of tables B.1 and E.1 | F | 8.1.0 |
| CP-080194 | 0176 | 1 | CT-43 | Essential correction to BIP tests - usage of ME's default channel | Α | 8.1.0 |
| CD 000450 | 0475 | 2 | CT 44 | identifier | D | 0.0.0 |
| CP-090459 CP-090460 | | 3 | CT-44 CT-44 | Introduction of steering of roaming test cases Test case and test case applicability changes for terminals with reduced | B F | 8.2.0 8.2.0 |
| CF-090400 | 0177 | ' | C1-44 | USAT capabilities | | 0.2.0 |
| CP-090718 | 0178 | 3 | CT-45 | Essential correction to icon test applicability | F | 8.3.0 |
| CP-090718 | | 1 | CT-45 | Update of table E.1 regarding E-UTRAN support indication | F | 8.3.0 |
| CP-090718 | | 1 | CT-45 | Essential correction of 27.22.6.1 sequence 1.9 | F | 8.3.0 |
| CP-090718 | | - | CT-45 | Essential correction of 27.22.4.7.3, Seq. 3.2 | F | 8.3.0 |
| CP-090718 | 0182 | - | CT-45 | Essential correction of applicability and terminal profile table | F | 8.3.0 |
| | - | - | - OT 40 | Correction of inconsistency spotted at implementation | - - | 8.3.1 |
| CP-090999 CP-091000 | | 1 | CT-46 CT-46 | Essential correction of 27.22.4.7.3 | F F | 8.4.0 8.4.0 |
| CP-091000 CP-091000 | | 2 | CT-46 | Update of TS 31.124 for terminals supporting E-UTRAN Introduction of OPEN CHANNEL tests for E-UTRAN | F | 8.4.0 |
| | - | - | SA-46 | Upgrade to Rel-9 | - | 9.0.0 |
| CP-100192 | 0189 | 1 | CT-47 | Introduction of BIP tests for E-UTRAN | В | 9.1.0 |
| CP-100192 | | 1 | CT-47 | Introduction of Network Rejection Event test | В | 9.1.0 |
| CP-100192 | | 1 | CT-47 | Introduction of Provide Local Information tests for E-UTRAN | В | 9.1.0 |
| | 0192 | 4 | CT-47 | Introduction of Event Download – Location Status tests for E-UTRAN | В | 9.1.0 |

| CP-doc | CR | REV | Meeting | SUBJECT | CAT | NEW VERS |
|------------------------|------|-----|----------------|--|--------|----------------|
| CP-100191 | | - | CT-47 | Introduction of Rel-9 test case applicability | F | 9.1.0 |
| CP-100179 | | 1 | CT-47 | Correction of typo error | A | 9.1.0 |
| CP-100191 | | 2 | CT-47 | Dual Open Channel tests in TCP mode | В | 9.1.0 |
| | 0197 | 1 | CT-47 | Open Channel tests for TCP mode and Default Bearer | В | 9.1.0 |
| CP-100191 | | 1 | CT-47 | Correction of optional features table | F | 9.1.0 |
| CP-100179 | | 3 | CT-47 | Correction of applicability for 'no alpha identifier presented' sequences | A | 9.1.0 |
| CP-100179 | | - | CT-47 | Essential correction to the condition table | A | 9.1.0 |
| CP-100395 | | _ | CT-48 | Essential correction of 27.22.4.31.1 Seg. 1.5 | F | 9.2.0 |
| CP-100395 | | _ | CT-48 | Essential correction of Table E.1 regarding Width reduction when in a | F | 9.2.0 |
| 0. 100000 | 0200 | | 00 | menu | | 0.2.0 |
| CP-100395 | 0207 | - | CT-48 | Correction to TAC coding in Provide Local Information test | F | 9.2.0 |
| CP-100395 | | 1 | CT-48 | Essential correction of table E.1 | В | 9.2.0 |
| CP-100395 | 0204 | 1 | CT-48 | Essential correction of 27.22.4.27.2 Seq 2.10 test case applicability | F | 9.2.0 |
| CP-100395 | | 1 | CT-48 | Correction to applicability table | F | 9.2.0 |
| CP-100395 | | 1 | CT-48 | Network Search mode test | В | 9.2.0 |
| CP-100395 | 0209 | 1 | CT-48 | Event download, Network Search mode test | В | 9.2.0 |
| CP-100395 | | - | CT-48 | Essential correction of 27.22.4.31.1 Seq. 1.5 | F | 9.2.0 |
| CP-100396 | 0203 | 1 | CT-48 | Introduction of Steering of Roaming test for E-UTRAN | В | 9.2.0 |
| CP-100591 | | 3 | CT-49 | Essential correction to Open Channel 27.22.4.27.2 sequence 2.4 test | Α | 9.3.0 |
| CP-100592 | | 1 | CT-49 | Update of references | F | 9.3.0 |
| CP-100593 | | 1 | CT-49 | Essential correction to test case applicability of letter class C features | F | 9.3.0 |
| CP-100593 | | 1 | CT-49 | Correction of 27.22.4.28.3. Seq 3.2 | F | 9.3.0 |
| CP-100593 | | 1 | CT-49 | Essential correction to SET UP CALL 27.22.4.13 sequence 1.1 | F | 9.3.0 |
| CP-100613 | | 3 | CT-49 | Addition of Access Technology change event download tests for E- | В | 9.3.0 |
| | | - | 1 | UTRAN | | |
| CP-100613 | 0216 | 3 | CT-49 | Addition of Open Channel test related to E-UTRAN network | С | 9.3.0 |
| CP-100613 | | 1 | CT-49 | Addition of Call Control tests for E-UTRAN | В | 9.3.0 |
| CP-100620 | 0221 | 2 | CT-49 | Essential correction of test 27.22.4.9.3 | F | 9.3.0 |
| CP-100835 | 0242 | 1 | CT-50 | Addition of Provide local information test , discovery of surrounding CSG cell | В | 9.4.0 |
| CP-100833 | 0234 | 1 | CT-50 | Clarification of 'ELSE' parts in Table E.1 | F | 9.4.0 |
| CP-100834 | | 1 | CT-50 | Correction of TCP/UDP referencing errors in Table E.1 | F | 9.4.0 |
| CP-100834 | | 1 | CT-50 | LTE test cases - specifying that default E-UTRAN UICC should be used | F | 9.4.0 |
| CP-100834 | | 1 | CT-50 | Correction of SET UP CALL sequence 1.1 | r F | 9.4.0 |
| CP-100830 | | 1 | CT-50 | Definition of E-UTRAN/EPC ISIM-UICC for ISIM related testing | В | 9.4.0 |
| CP-100834 | | 1 | CT-50 | Correction of references to non-existent data items in CLOSE | F | 9.4.0 |
| 01 100004 | 0200 | l' | 01 00 | CHANNEL(E-UTRAN/EPC) | | 0.4.0 |
| | | | | Correction of errors in implementation of CR 234 (MCC). | - | 9.4.1 |
| CP-110231 | 0217 | 4 | CT-51 | Addition of Provide Local Information tests for multiple access technologies | В | 9.5.0 |
| CP-110230 | 0243 | 4 | CT-51 | Introduction ISIM related SMS-PP Data Download tests | В | 9.5.0 |
| CP-110230 | | 6 | CT-51 | Introduction ISIM related SMS-FF Data Download tests Introduction ISIM related Send Short Message tests | В | 9.5.0 |
| | | 2 | CT-51 | Optimization of SEND SMS test cases | С | 9.5.0 |
| | 0245 | 1 | CT-51 | Optimization of SMS PP Download test case | C | 9.5.0 |
| CP-110231 | | ı | | | _ | |
| | 0250 | | CT-51 CT-51 | Introduction of Polling Off test for E-UTRAN Essential correction on BIP TCs for E-UTRAN/EPC | B F | 9.5.0 9.5.0 |
| <u> </u> | J200 | 1 | SP-51 | Automatic upgrade from previous version 9.5.0 | • | 10.0.0 |
| CD 110500 | 0244 | 2 | CT-52 | Addition of Event download test, CSG cell Selection | F | 10.0.0 |
| CP 110503 | | 3 | CT-52 | | F | |
| CP 110504 | | 1 | | Introduction ISIM related SMS-PP Data Download tests | F | 10.1.0 |
| CP-110504 | | 1 | CT-52 CT-53 | Introduction ISIM related Send Short Message tests | | 10.1.0 |
| CP-110719 | | 3 | | Essential correction of the Terminal Profile entries in table E.1 | F F | 10.2.0 |
| CP-110719 CP-110592 | | 1 | CT-53 | Essential correction of Send Short message tests | A | 10.2.0 |
| <u>CF-110592</u> | 0259 | 1 | CT-53 | Essential correction of Data Destination Address settings in BIP and Launch Browser tests | ^ | 10.2.0 |
| CP-110719 | 0261 | 1 | CT-53 | Essential Correction to Tag length in Provide Local Information test | F | 10.2.0 |
| CP-110719 CP-110719 | | 1 | CT-53 | Essential Correction to Tag length in Provide Local information test Essential Correction to Network Rejection Event test | F | 10.2.0 |
| <u> </u> | 0202 | 1 | 01-00 | Correction of implementation error in CR 255r3 (MCC) | ' | 10.2.1 |
| CP-110904 | 0263 | | CT-54 | Essential correction of SMS-PP Data Download test cases | F | 10.2.1 |
| CP-110904 CP-110904 | | 1 | CT-54 | Essential correction of SMS-PP Data Download test cases Essential correction to Channel Status After Link Dropped in E-UTRA | F | 10.3.0 |
| CP-110904 CP-110904 | | 1 | CT-54 | Correction to test sequence content 4.3 and 4.4 for test case 27.22.4.1 of | | 10.3.0 |
| 01 -110904 | 0200 | [' | 01-04 | Table B.1 | ' | 10.5.0 |
| CP-110904 | 0256 | 2 | CT-54 | Essential correction to Steering of Roaming test case | F | 10.3.0 |
| CP-110904 | | 1 | CT-54 | Essential correction to SMS-CB Applicability | A | 10.3.0 |
| CP-110906 | | 2 | CT-54 | Essential correction to Play Tone test | A | 10.3.0 |
| CP-110907 | | ľ | CT-54 | Correction of incorrect implementation of CR 255r3 | F | 10.3.0 |
| CP-120151 | | 1 | CT-55 | Test applicability correction of Open Channel with user rejection tests | A | 10.4.0 |
| CP-120151 | | 2 | CT-55 | Essential correction to test 27.22.4.15 Seq. 1.15 | F | 10.4.0 |
| CP-120152 CP-120153 | | 3 | CT-55 | Introduction of REFRESH with AID test | В | 10.4.0 |
| 01 -120103 | UZU0 | J | U 1-00 | ILITEOGRAPHICAL INTENT MILLI VID 1691 | ט | 10.4.0 |

History

| Document history | | |
|------------------|---------------|-------------|
| V10.0.0 | May 2011 | Publication |
| V10.1.0 | July 2011 | Publication |
| V10.2.0 | November 2011 | Publication |
| V10.3.0 | January 2012 | Publication |
| V10.4.0 | April 2012 | Publication |