3GPP2 C.P0106-A v0.07

January 2014

Mobile Equipment (ME) Conformance Testing with CDMA Card Application Toolkit

Revision History

Revision	Description of Changes	Date
Rev A v0.01	Transition from C.S0106-0 Rev. 0	September 2013
Rev A v0.02	Implement Contribution: • AC10-20131007-003 Unify 'Conformance Requirement' text to include 'verify' Remove the redundant text 'CDMA Card Application Toolkit enabled UICCs' from test case descriptions Remove Sequence 3 of 6.4.27.6 OPEN CHANNEL (related to UICC Server Mode) since the related test is 'Void' since ETSI TS 102 384 v9.0.0	November 2013
Rev A v0.03	After discussing the former change in WG 1 the 'Conformance Requirement' items are changed again to use 'shall' where possible while the 'verify' is removed Implement Contribution: • AC10-20131105-014 • AC10-20131007-004 • AC10-20131007-005	November 2013
Rev A v0.04	Implement Contribution: • AC10-20131202-003r1 Editorial changes to adopt the implemented contributions to the style used in this document	December 2013
Rev A v0.05	Editorial changes Add references to tests that are covered in a different section	December 2013
Rev A v0.06	Editorial changes Preparation for V&V	January 2014
Rev A.v0.07	V&V version	January 2014

Changes Accepted for Inclusion in C.S0106-A v1.0

Contribution #	Title
AC10-20131007-003	QC-C.P0106_BIP_proposal_V8
AC10-20131007-004	QC-C.P0106_LB_proposal_V8
AC10-20131007-005	QC-C.P0106_Call_Control_Test_Cases
AC10-20131105-014	Updated Optional Features Table – Annex A
AC10-20131202-003r1	Modified DIGIT_MODE in the Data Burst Message: SMS-PP DATA DOWNLOAD of test 7.1.1

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1 Foreword

2 This foreword is not part of this document.

3 This specification was prepared by the Third Generation Partnership Project 2 (3GPP2).
4 The specification is applicable to all revisions of the R-UIMs and CSIMs supporting
5 CDMA Card Application Toolkit although only the latest revision of [1] is referenced.

6 Specific tests dedicated to further revisions may be added to this document in a future
7 point release or revision.

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1 Introduction

1.1 Scope

The present document provides the Conformance Test Specification for testing the CDMA Card Application Toolkit (CCAT) implemented in MEs for the UICC (R-UIM or CSIM), in compliance with the relevant requirements.

The present document is valid for MEs having CCAT functionality implemented according to [1].

The present document covers the minimum characteristics considered necessary in order to provide sufficient performance for MEs and to prevent interference to other services or to other users. It does not necessarily include all the characteristics that may be required by a user or subscriber, nor does it necessarily represent the optimum performance achievable.

1.2 Document Conventions

1.2.1 Requirements Language

"Shall" and "shall not" identify requirements to be followed strictly to conform to this document and from which no deviation is permitted. "Should" and "should not" indicate that one of several possibilities is recommended as particularly suitable, without mentioning or excluding others, that a certain course of action is preferred but not necessarily required, or that (in the negative form) a certain possibility or course of action is discouraged but not prohibited. "May" and "need not" indicate a course of action permissible within the limits of the document. "Can" and "cannot" are used for statements of possibility and capability, whether material, physical, or causal.

1.2.2 Numbers and Strings

The following table describes the conventions used for decimal numbers, non-decimal numbers and strings.

Table 1.1 – Convention for Numbers and Strings

Convention	Description
Nnnnn	A decimal number, e.g. CHV or phone number
'b'	A single digit binary number
'bbbbbbbb'	An 8-bit binary number
'hh'	A single octet hexadecimal number
'hh hh hh…hh hh'	A multi-octet hexadecimal number or string
"SSSS"	Character string
Note: If an 'X' is present in a binary or hexadecimal number, then that digit is "don't care".	

"Bn" represents Byte n of the coding starting from left to right, i.e. MSB to LSB. "bn" represents Bit n of the byte starting from right to left, i.e. LSB to MSB.

1.3   Terminology

1.3.1   Definitions

For the purposes of the present document, the following terms and definitions apply in addition to the terms defined in [1].

Implementation Conformance Statement (ICS): A statement made by the supplier of an implementation or system claimed to conform to a given specification, stating which capabilities have been implemented. The ICS can take several forms: protocol ICS, profile ICS, profile specific ICS, information object ICS, etc.

1.3.2   Acronyms

For the purposes of the present document, the following abbreviations apply:

3GPP2   3rd Generation Partnership Project 2

Base Station   A fixed station used for communicating with mobile stations. Depending upon the context, the term base station may refer to a cell, a sector within a cell, a MSC, an OTAF or other part of the wireless system. (See also MSC and OTAF).

Card Application Toolkit   A set of generic commands and procedures for use by the ICC, irrespective of the access technology of the network.

CAT   See Card Application Toolkit

CCAT   See CDMA Card Application Toolkit.

CDMA Card Application Toolkit   A set of commands and procedures for use during the network operation phase of CDMA

CRn   Conformance Requirement 'n'

CS   Card Simulator

CSIM   cdma2000 Subscriber Identify Module. A cdma2000 Application residing on the UICC.

DF   Dedicated File

Global Emergency Call Indicator   Used by the ME to identify an Emergency Call as specified in [1].

EF   Elementary File

ICC   Integrated Circuit(s) Card

ICS   Implementation Conformance Statement

IMEI   See International Mobile Equipment Identity

IMSI   See International Mobile Subscriber Identity

International Mobile Equipment Identity   A method of identifying a ME in the land mobile service as specified in [1].

1 **International Mobile Subscriber Identity** A method of identifying a subscriber in the
2 land mobile service as specified in [1].

3 **LCS**   Location services

4 **LCS Root Key**   LCS related parameter

5 **NAA**   Network Access Application

6 **NS**   Network Simulator

7 **M/O**   Mandatory / Optional

8 **MCC**   Mobile Country Code

9 **ME**   Mobile Equipment. Used in this document equivalent to Terminal.

10 **MEID**   Mobile Equipment IDentifier

11 **MF**   Master File

12 **Min.**   Minimum

13 **MNC**   Mobile Network Code

14 **MS**   Mobile Station

15 **MSC**   Mobile Switching Center

16 **Network Identification**   A number that uniquely identifies a network within a
17 wireless system. See also System Identification.

18 **NID**   See Network Identification

19 **NITZ**   Network Identity and Time Zone

20 **OTAF**   See Over-the-Air Provisioning Function

21 **OTASP**   See Over-the-Air Service Provisioning

22 **Over-the-Air Provisioning Function**   A configuration of network equipment that
23 controls OTASP functionality messaging protocols

24 **Over-the-Air Service Provisioning** A process of provisioning mobile station operational
25 parameters over the air interface

26 **RFU**   Reserved for Future Use

27 **R-UIM**   Removable User Identity Module

28 **SID**   See System Identification

29 **Simple TLV**   A data object that consists of a tag of length one byte, a length indicator,
30 which gives the number of bytes in the value field and a value part of variable length.
31 (Called Comprehension TLV in [1])

32 **SIM**   Subscriber Identity Module

33 **SMS**   Short Message Service

34 **SMS-MO**   Short Message Service Mobile Originated

35 **SMS-MT**   Short Message Service Mobile Terminated

36 **SW1/SW2**   Status Word 1/Status Word 2

System Identification   A number uniquely identifying a wireless system

TERMINAL RESPONSE   This function is used to transfer from the ME to the UICC the response to a previously fetched PROACTIVE COMMAND.

TLS   Transport Layer Security

TLV   Tag Length Value

TPDU   See Transfer Protocol Data Unit

Transfer Protocol Data Unit Command and response format used for communication between the ME and card

TS   Test Specification

UICC   Within the scope of this document, an ICC supporting at least one network access application, e.g. an R-UIM

UUT   Unit Under Test

1.4   References

The following standards are referenced in this text. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based upon this document are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. ANSI and TIA maintain registers of currently valid national standards published by them.

1.4.1   Normative References

[1]   3GPP2 C.S0035-A v3.0, CDMA Card Application Toolkit (CCAT), August 2012.

[2]   3GPP2 C.S0048-A v2.0, Mobile Equipment (ME) Conformance Testing with R-UIM for cdma2000 Spread Spectrum Standards, December 2012.

[3]   3GPP2 C.S0023-D v2.0, Removable User Identity Module for Spread Spectrum Systems, December 2011.

[4]   3GPP2 C.S0065-B v2.0, cdma2000 Application on UICC for Spread Spectrum Systems, January 2011.

[5]   3GPP TS 31.124, Universal Subscriber Identity Module Application Toolkit (USAT) conformance test specification, Release 10, 2012.

[6]   ETSI TS 102 223, Smart Cards; Card Application Toolkit (CAT), Release 11, 2012.

[7]   ETSI TS 102 384, Card Application Toolkit (CAT) conformance specification, Release 10, 2013.

[8]   ETSI TS 102 221, Smart Cards; UICC-Terminal interface; Physical and logical characteristics, Release 10, 2011.

[9]   3GPP TS 51.011, Specification of the Subscriber Identity Module -Mobile Equipment (SIM - ME) interface, Release 4, 2005.

[10]   3GPP2 C.S0005-E, Upper Layer (Layer 3) Signaling Standard for cdma2000 Spread Spectrum Systems, July 2011.

[11]   ITU-T Recommendation E.212, Identification Plan for Land Mobile Stations, 1988.

[12]   ETSI TS 122 016, International Mobile Equipment Identities (IMEI) (3GPP TS 22.016 version 10.0.0 Release 10), 2011.

[13]   3GPP2 C.S0049-A v1.0, Removable User Identity Module for Spread Spectrum Systems, April 2012.

[14]   3GPP TS 51.014, Subscriber Identity Module (SIM) application toolkit conformance test specification, Release 4, 2010.

[15]   3GPP TS 31.111, Universal Subscriber Identity Module (USIM) Application Toolkit (USAT), Release 11, 2012.

[16]   3GPP2 C.S0105-0 v1.0, Unstructured Supplementary Service Data (USSD) Service Options for Spread Spectrum Systems: Service Options 78 and 79, January 2012.

[17]   3GPP2 C.S0015-B v2.0, Short Message Service (SMS) for Wideband Spread Spectrum Systems, September 2005.

[18]   3GPP2 C.S0101-0 v1.0, Mobile Equipment (ME) Conformance Testing with CSIM for cdma2000 Spread Spectrum Standards, January 2011.

1.4.2   Informative References

[i1]   C.R1001-H, Administration of Parameter Value Assignments for cdma2000 Spread Spectrum Standards, July 2011.

1.5   Applicability

1.5.1   Applicability of the present document

The present document applies to mobile equipment (ME) that supports the CDMA Card Application Toolkit (CCAT) according to [1].

1.5.2   Applicability of the individual tests

In accordance to Annex A. of [1] the applicability of individual test cases is depending on the supported revision of the CCAT release or limited by the supported letter classes defined in [1]. Possible exceptions are given in each individual test case.

To be compliant to existing ETSI and 3GPP specification the applicability of individual test case also can be determined using the table of Supported Options, Table A.1, Annex A and the table for the TERMINAL PROFILE, Table C.1, Annex C. If conditional information is required it has to be provided by the ME vendor as defined in Table B.1, Annex B.

2   CCAT Test Environment

The test environment shall comply with the requirements specified in section 2 "Physical , Electrical and Logical Interfaces" of [3] respectively section 4 "Physical Characteristics" and section 5 "Electronic Signals and Transmission Protocols" of [8]. The following diagram illustrates the test environment involving a Card Simulator (CS), the Unit Under Test (UUT), and a CDMA Network Simulator (NS). The UUT in this document is the Mobile Equipment (ME). The CS simulates a UICC for the purpose of ME conformance testing. The NS simulates the network, which is primarily a "base station" and may include other network components and servers as needed.
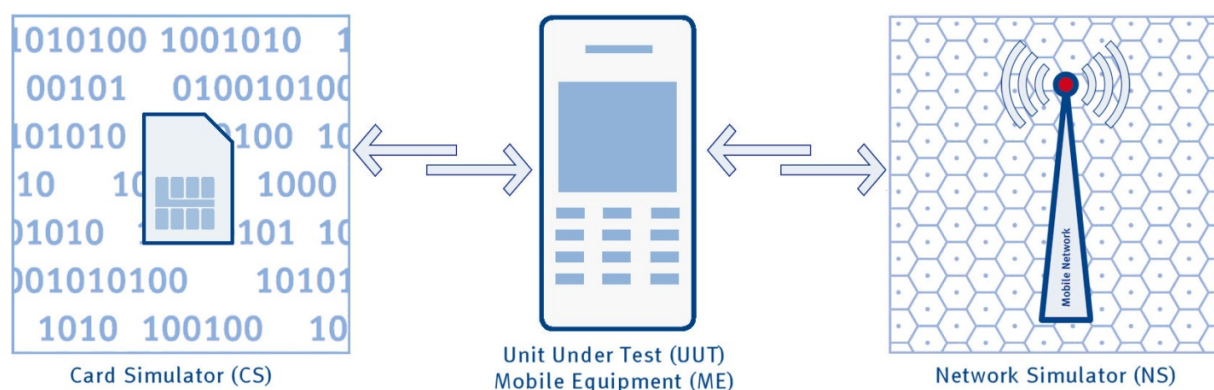
Figure 1: CCAT Test Environment

2.1   Common Initial Conditions

The following initial conditions are common to and used by many test cases in this document:

- The ME is connected to the CDMA Network Simulator (NS).

- The ME is connected to the Card Simulator (CS).

- Unless otherwise specified in the Definition and Applicability section of the test case the test procedure as described for MEs supporting the UICC in [7] is also applicable for MEs supporting the R-UIM.

- The PIN respectively CHV1 shall be disabled.

The following statements are applicable to all test procedures unless otherwise specified:

- The Common Test Steps as defined in section 2.1.1 shall be executed as part of the Test Procedure.

- All procedure steps shall be carried out in order.

- Transmission protocol T=0 shall be used.

- In case the R-UIM is supported by the ME the definition of default values for R-UIM/ME interface testing as described in section 2.2.1 apply.

1 The CS is configured with these R-UIM default values.

2 • In case a UICC with CSIM application is supported by the ME the definition of
3   default values for CSIM/ME interface testing as described in section 2.2.2 apply.
4   The CS is configured with these UICC/CSIM default values.

5 Procedures defined in this document are applicable to both types of UICC (R-UIM and
6 CSIM) unless otherwise specified.

7 2.1.1 Common Test Steps

8 The following steps are executed in all test procedures unless otherwise specified:

Step	Direction	Message/Action	Comments
0.1	USER → ME	Power on ME	Activation of the ME/card interface
0.2	ME → CS	Card Initialization	Initialization procedure is executed as defined in [3], [4]
0.3	ME → CS	TERMINAL PROFILE	To be send during initialization
0.4	ME → CS	Wait	Wait for an indication that the ME is in normal stand-by. E.g.: the normal stand-by display is shown.
1. to n.	…	…	…
n+1	USER → ME	Power off ME	Deactivation of the ME/card interface

9 The numbering of the procedure steps in the following test cases starts with 1. and
10 ends with n. Test steps 0.1 to 0.4 are to be executed before Step 1. Step n+1. is
11 executed as the last step of each Procedure.

12 2.2 Definition of Default Values

13 A UICC containing the following default values is used for all tests unless otherwise
14 stated.

15 2.2.1 Definition of Default Values for R-UIM/ME Interface
16   Testing

17 Default values for the R-UIM are defined in [2] section 5.1. These default values shall
18 be used unless otherwise defined in this document.

19 2.2.1.1 EF$_{CST}$ (CDMA Service Table)

20 Logically:

Service	Description	Allocated	Activated
n1	CHV Disable Function	Yes	Yes
n2	Abbreviated Dialing Numbers (ADN)	Yes	Yes
n3	Fixed Dialing Numbers (FDN)	Yes	No
n4	Short Message Storage (SMS)	Yes	Yes
n5	HRPD	Yes	Yes

Service	Description	Allocated	Activated
n6	Enhanced Phone Book	Yes	Yes
n7	Multi Media Domain (MMD)	No	No
n8	SF_EUIMID-based EUIMID	Yes	Yes
n9	MEID Support	Yes	Yes
n10	Extension1	Yes	Yes
n11	Extension2	Yes	No
n12	SMS Parameters	Yes	Yes
n13	Last Number Dialled (LND)	Yes	Yes
n14	Service Category Program for BC-SMS	Yes	No
n15	Messaging and 3GPD Extensions	Yes	Yes
n16	Root Certificates	Yes	No
n17	CDMA Home Service Provider Name	Yes	Yes
n18	Service Dialing Numbers (SDN)	Yes	Yes
n19	Extension3	Yes	Yes
n20	3GPD-SIP	Yes	Yes
n21	WAP Browser	Yes	No
n22	Java	Yes	No
n23	Reserved for CDG	No	No
n24	Reserved for CDG	No	No
n25	Data Download via SMS Broadcast	Yes	Yes
n26	Data Download via SMS-PP	Yes	Yes
n27	Menu Selection	Yes	Yes
n28	Call Control	Yes	Yes
n29	Proactive R-UIM	Yes	Yes
n30	AKA	No	No
n31	IPv6	Yes	Yes
n32	RFU	No	No
n33	RFU	No	No
n34	RFU	No	No
n35	RFU	No	No
n36	RFU	No	No
n37	RFU	No	No

Service	Description	Allocated	Activated
n38	3GPD-MIP	Yes	Yes
n39	BCMCS	No	No
n40	Multimedia Messaging Service (MMS)	Yes	No
n41	Extension 8	No	No
n42	MMS User Connectivity Parameters	Yes	No
n43	Application Authentication	Yes	Yes
n44	Group Identifier Level 1	No	No
n45	Group Identifier Level 2	No	No
n46	De-Personalization Control Keys	No	No
n47	Cooperative Network List	No	No

1 Coding in Hex:

DF	CF	DF	77	FF	05	FF	33	00	4C	34	00

2 2.2.2   Definition of Default Values for CSIM/ME Interface Testing
3   – UICC

4 Default values for the UICC are defined in [7] section 27.22.1b. These default values
5 shall be used unless otherwise defined in this document.

6 The following default DFs shall exist under the UICC Master File (MF) level:

7 • $DF_{TELECOM}$

8 • DF_{MMSS}

9 2.2.2.1   EFs under $DF_{TELECOM}$

10 The following default shall EFs exist under the $DF_{TELECOM}$ directory:

11 • EF_{ADN}

12 • EF_{EXT1}

13 • EF_{PBR}

14 2.2.2.1.1 EF_{ADN} (Abbreviated Dialing Number)

15 Logically:

16 At least 10 records, each non-empty record unique.

17 Record 1:

18   Length of alpha identifier: 32 characters

19   Alpha identifier: "ABCDEFGHIJKLMNOPQRSTUVWXYZABCDEF"

20   Length of BCD number: 03

1   TON and NPI: Telephony and Unknown

2   Dialed number: 123

3   CCI: None

4   Ext1:   None

5   Coding in Hex:

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	41	42	43	44	45	46
03	81	21	F3	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF		

6   2.2.2.2   EFs under DF_{MMSS}

7   The following default EFs exist under the DF_{MMSS} directory.

8   • EF_{MLPL}

9   • EF_{MSPL}

10   2.2.2.2.1   EF_{MLPL} (MMSS Location Associated Priority List)

11   Logically:

12   Size: 16 bytes

13   MLPL_SIZE: 12

14   CUR_MMSS_P_REV: 1

15   MLPL_VER_ID: 1

16   MLPL_ID: 1

17   NUM_MLPL_RECS: 1

18   Record 1:

19   LOC_PARAM_TYPE:

20   MCC: specified

21   MNC: specified

22   NUM_SYS_LOC_TAG: not specified

23   Reserved bits 7-3:   '00000'

24   LOC_PARAM_VAL:

25   MCC: '310'

26   MNC: not specified

27   MSPL_INDEX: 1

28   Coding in Hex:

00	0C	01	00	01	01	01	03	31	0F	FF	01	FF	FF	FF	FF

1   ## 2.2.2.2.2   EF$_{MSPL}$ (MMSS System Priority List)

2   Logically:

3	Size:	16 bytes
4	MSPL_SIZE:	13
5	CUR_MMSS_P_REV:	1
6	MSPL_VER_ID	1
7	NUM_MSPL_ID:	1
8	MSPL_ID:	1
9	MSPL_ID 1:	
10	NUM_MSPL_RECS:	2
11	Record 1:	
12	SYS_TYPE:	cdma2000 HRPD
13	PRI_CLASS:	0 (Home only)
14	SYS_PRI:	same
15	HIGHER_PRI_SRCH_TIME:	0 (1 minute)
16	NETWORK_CAP_IND:	not included
17	Record 2:	
18	SYS_TYPE:	cdma2000 1x
19	PRI_CLASS:	0 (Home only)
20	SYS_PRI:	same
21	HIGHER_PRI_SRCH_TIME:	0 (1 minute)
22	NETWORK_CAP_IND:	not included
23	Reserved:	'000000' (bit 6-1)

24 Coding in Hex:

00	0D	01	00	01	01	01	02	04	00	01	80	00	FF	FF	FF

25 ## 2.2.2.3   Values of the EFs under MF

26 The following default EFs exist under the UICC Master File (MF) level.

27 - EF$_{DIR}$

28 - EF$_{PL}$

29 - EF$_{ARR}$

30 - EF$_{ICCID}$

1 ## 2.2.2.3.1   EF$_{DIR}$ (Directory)

2 EF$_{DIR}$ at least has to contain a record with an AID for the CSIM

3 Logically:

4 Example Record 1:

5 Application ID tag   '4F'

6 AID length: '01' to '10'

7 RID value: 'A000000343' (3GPP2)

8 Application code: '1002' (CSIM)

9 Country code: see ITU-T Recommendation E.164

10 Application provider code: 'xx'

11 Application provider specific data: 'xxxxxx'

12 Example coding in Hex:

4F	10	A0	00	00	03	43	10	02	xx	xx	xx	xx	89	xx	xx
xx	xx														

13 ## 2.2.2.3.2   EF$_{PL}$ (Preferred Languages)

14 Each language has assigned a 2-letter lowercase abbreviation according to ISO/IEC
15 639-1.

16 Logically:

17 Size: 6 bytes

18 1st language code: "en" (English)

19 2nd language code: "zh" (Chinese languages)

20 3rd language code: " " (empty)

21 Coding in Hex:

65	6E	7A	68	FF	FF

22 # 2.2.3   Definition of Default Values for CSIM/ME Interface Testing
23 - CSIM

24 For each item, the logical default values and the coding within the Elementary Files
25 (EF) of the ADF$_{CSIM}$ follow.

26 Unless otherwise specified, the coding values are hexadecimal.

27 ## 2.2.3.1 EFs under ADF$_{CSIM}$

28 Default values for the ADF$_{CSIM}$ are defined in [18] section 4.1.13 and its subsections.
29 These default values shall be used unless otherwise defined in this document.

1 ## 2.2.3.1.1   EF$_{CSIM\_ST}$ (CSIM Service Table)

2 Logically:

Service	Description	Available
n1	Local Phone Book	No
n2	Fixed Dialing Numbers (FDN)	No
n3	Extension 2	No
n4	Service Dialing Numbers (SDN)	Yes
n5	Extension 3	Yes
n6	Short Message Storage	Yes
n7	Short Message Parameters	Yes
n8	HRPD	Yes
n9	Category Program for BC-SMS	No
n10	CDMA Home Service Provider Name	Yes
n11	Data Download via SMS Broadcast (for CCAT)	Yes
n12	Data Download via SMS-PP (for CCAT)	Yes
n13	Call Control (for CCAT)	Yes
n14	3GPD-SIP	Yes
n15	3GPD-MIP	Yes
n16	AKA	No
n17	IP-based Location Services (LCS)	No
n18	BCMCS	No
n19	Multimedia Messaging Service (MMS)	No
n20	Extension 8	No
n21	MMS User Connectivity Parameters	No
n22	Application Authentication	No
n23	Group Identifier Level 1	No
n24	Group Identifier Level 2	No
n25	De-Personalization Control Keys	No
n26	Cooperative Network List	No
n27	Outgoing Call Information (OCI)	Yes
n28	Incoming Call Information (ICI)	Yes
n29	Extension 5	Yes
n30	Multimedia Storage	No

Service	Description	Available
n31	Image (EFIMG)	Yes
n32	Enabled Services Table	Yes
n33	Capability Configuration Parameters (CCP)	Yes
n34	SF_EUIMID-based EUIMID	Yes
n35	Messaging and 3GPD Extensions	Yes
n36	Root Certificates	No
n37	WAP Browser	No
n38	Java	No
n39	Reserved for CDG	No
n40	Reserved for CDG	No
n41	IPv6	Yes
n42 to n48	RFU	No

Coding in Hex:

F8	7E	00	9C	00	07	01	00

2.2.3.1.2   EF$_{ECC}$ (Emergency Call Codes)

Logically:

Size: 16 bytes

Emergency call code 1:   '111'

Emergency call code 2:   '222'

Emergency call code 3:   '333'

Emergency call code 4:   '444'

Emergency call code 5:   '555'

Coding in Hex:

11	F1	FF	22	F2	FF	33	F3	FF	44	F4	FF	55	F5	FF

2.2.3.1.3   EF$_{SIPUPP}$ (SimpleIP User Profile Parameters)

Logically:

NAI Entry Index: 0

NAI: "abc0@xyz.com"

Authentication Algorithm: CHAP to PAP fallback

1 Coding in Hex:

0F	10	0C	61	62	63	30	40	78	79	7A	2E	63	6F	6D	30

2 ## 2.2.3.1.4 EF$_{SIPUPPExt}$ (SimpleIP User Profile Parameters Extension)

3 Logically:

4   NAI Entry Index: 0

5   Applications: WAP, MMS

6   Priority: 100

7   Data Rate Mode: High Speed

8   Data Bearer: Hybrid 1xEV-DO/1x

9 Coding in Hex:

10	00	00	00	06	64	20

10 ## 2.2.3.1.5 Simple IP CHAP SS

11 Logically:

12   NAI Entry Index: 0

13   CHAP SS: "CHAP SS 0"

14 Coding depends on the implementation of the CS.

15

1   3   Format of CCAT Tests

2   The format of the test cases is similar to the format used in [7] since most of the test
3   cases required in CCAT testing are defined in there.

4   In general the following basic format for tests is used:

5   1.   Definition and Applicability

6   2.   Conformance Requirement

7   3.   Test Purpose

8   4.   Method of Test

9   4.1   Initial Conditions

10   4.2   Procedure

11   5.   Test Requirement

4   Implicit Testing

For some 3GPP2 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.

Some CCAT functions have to be executed in almost all tests.

Assuming the test case 6.1 to 6.3 are executed e.g. the sending of the FETCH command(s) after the indication 'Pending PROACTIVE COMMAND(s)' is not explicitly checked against CRs in other test cases.

5 Profile Download

5.1 Profile Download

5.1.1 Definition and Applicability

This test verifies if the initialization of a CDMA Card Application Toolkit Enabled UICC is done correctly by a Card Application Toolkit enabled ME (Profile Download).

5.1.2 Conformance Requirement

CR1 Verify that the ME supports the PROFILE DOWNLOAD command.

5.1.3 Test Purpose

The purpose of the test is to verify that the ME is capable to send a TERMINAL PROFILE command in accordance to what is defined in [1] and [6], section 5.2.

5.1.4 Method of Test

5.1.4.1 Initial Conditions

The common initial conditions as defined in section 2.1 apply.

The common test steps as defined in section 2.1.1 shall **not** be executed.

5.1.4.2 Procedure

Step	Direction	Message/Action	Comments
1.	USER → ME	Power on ME	Activation of the ME/card interface
2.	ME → CS	Card Initialization	Initialization procedure is executed as defined in [3], [4]
3.	ME → CS	TERMINAL PROFILE	Verify that the TERMINAL PROFILE has been sent during initialization [CR1]
4.	ME → CS	Wait	Wait for an indication that the ME is in normal stand-by. E.g., the normal stand-by display is shown.
5.	USER → ME	Power off ME	Deactivation of the ME/card interface

5.1.5 Test Requirement

- The ME shall operate in the manner defined in the test procedure and send a TERMINAL PROFILE.

5.2   Contents of the TERMINAL PROFILE Command

5.2.1   Definition and Applicability

This test verifies if the TERMINAL PROFILE send by the ME is compliant to the TERMINAL PROFILE settings of Table C.1 in Annex C.

5.2.2   Conformance Requirement

CR1   Verify that the TERMINAL PROFILE indicates that PROFILE DOWNLOAD facility is supported.

5.2.3   Test Purpose

The purpose of the test is to record the TERMINAL PROFILE send by the ME to find out which Card Application Toolkit facilities are supported in accordance to what is defined in [1] section 5.2. The supported facilities may be used to determine which subsequent tests are applicable as defined in [7] section 3.2.2 and 3.2.3.

5.2.4   Method of Test

5.2.4.1   Initial Conditions

The common initial conditions as defined in section 2.1 apply.

The common test steps as defined in section 2.1.1 shall **not** be executed.

5.2.4.2   Procedure

Step	Direction	Message/Action	Comments
1.	USER → ME	Power on ME	Activation of the ME/card interface
2.	ME → CS	Card Initialization	Initialization procedure is executed as defined in [3], [4]
3.	ME → CS	TERMINAL PROFILE	The TERMINAL PROFILE is send during initialization [CR1]
			The CS records the TERMINAL PROFILE and validates the contents by checking it against the requirements given in the 'Support' column of Table C.1.
4.	ME → CS	Wait	Wait for an indication that the ME is in normal stand-by. E.g. the normal stand-by display.
5.	USER → ME	Power off ME	Deactivation of the ME/card interface

5.2.5   Test Requirement

- After step 2) the ME shall send the TERMINAL PROFILE command to the UICC with bit 1 of the first byte set to 1 (facility supported by ME).
- The recorded TERMINAL PROFILE information shall match the requirements given in the "Support" column of Table C.1 [Annex C] for the corresponding Terminal Card Toolkit Release. The support of features defined only in releases later than present release shall be ignored.

₁ # 6 Proactive UICC

₂ ## 6.1 Servicing of proactive RUIM/UICC Commands

₃ ### 6.1.1 Definition and Applicability

₄ On detection of a pending Card Application Toolkit command the ME shall perform a
₅ FETCH command to retrieve the proactive command. The result of the executed
₆ command shall be transmitted from the ME to the card within a TERMINAL
₇ RESPONSE command.

₈ ### 6.1.2 Conformance Requirement

₉ CR 1   The ME shall use the FETCH command to obtain the proactive UICC
₁₀   command, after detection of a pending proactive command.

₁₁ CR 2   The ME shall send an appropriate TERMINAL RESPONSE to the UICC after
₁₂   execution of the proactive command.

₁₃ ### 6.1.3 Test Purpose

₁₄ The purpose of the test is to verify that the ME uses the FETCH command to obtain
₁₅ the proactive command as defined in section 6.3 of [6].

₁₆ Moreover, the ME transmits the result of execution of the proactive command to the
₁₇ UICC in the TERMINAL RESPONSE command.

₁₈ ### 6.1.4 Method of Test

₁₉ ### 6.1.4.1 Initial Conditions

₂₀ The common initial conditions as defined in section 2.1 apply.

₂₁ ### 6.1.4.2 Procedure

Step	Direction	Message/Action	Comments
1.	CS → ME	PROACTIVE COMMAND Pending: MORE TIME	The UICC shall return SW1='91', SW2='XX' to indicate the normal ending of the command but with a proactive command pending with length 'XX' of the command data.
2.	ME → CS	FETCH	
3.	CS → ME	PROACTIVE COMMAND: MORE TIME	The UICC returns the PROACTIVE COMMAND: MORE TIME followed by SW1='90', SW2='00' – normal ending of the command. [CR1] Note: When the ME has received a command from the UICC, it shall attempt to process the command immediately.

Step	Direction	Message/Action	Comments
4.	ME → CS	TERMINAL RESPONSE: MORE TIME	The TERMINAL RESPONSE: MORE TIME is send to the UICC. [CR2]
			Note: If the command was executed, the ME shall inform the UICC as soon as possible.
			Note: The ME shall have knowledge of the proactive command used in this test, but may not support this Card Application Toolkit facility.
5.	CS → ME	PROACTIVE SESSION Ended	

1 PROACTIVE COMMAND: MORE TIME (Step 3):

2 Command details:

3   Command number: 1

4   Command type: MORE TIME

5   Command qualifier: '00'

6 Device identities:

7   Source device: UICC

8   Destination device: ME

9 Coding in Hex:

D0	09	81	03	01	02	00	82	02	81	82

10 TERMINAL RESPONSE: MORE TIME (Step 4):

11 Command details:

12   Command number: 1

13   Command type: MORE TIME

14   Command qualifier: '00'

15   Device identities:

16   Source device: ME

17   Destination device: UICC

18   Result:

19   General Result: Command performed successfully

20 Coding in Hex:

81	03	01	02	00	82	02	82	81	83	01	00

21 ## 6.1.5   Test Requirement

22 • After step 1) the ME shall send the FETCH command to the UICC.

23 • After step 3) the ME shall send the TERMINAL REPONSE command with command
24   number '01', type of command '02' and command qualifier '00'.

1

6.2   Void

2

3

6.3   Void

4

6.4   Proactive R-UIM/UICC Commands and Procedures

6.4.1   DISPLAY TEXT

6.4.1.1   DISPLAY TEXT (Normal)

6.4.1.1.1   Definition and Applicability

The ME shall support the DISPLAY TEXT (Normal) command as defined in section 6.4.1 of [6].

This test case is applicable for all MEs supporting the option "ME supports display capability" [Table A.1/59].

Sequences SEQ 7 and SEQ 8 require the support of the option "ME supports keypad" [Table A.1/60] in addition.

6.4.1.1.2   Conformance Requirement

See section 27.22.4.1.1.2 of [7].

6.4.1.1.3   Test Purpose

The purpose of the test is to verify that the ME supports the DISPLAY TEXT (Normal) command. The support of this command shall be tested as defined in 27.22.4.1.1 of [7].

6.4.1.1.4   Method of Test

6.4.1.1.4.1   Initial Conditions

The common initial conditions as defined in section 2.1 apply.

6.4.1.1.4.2   Procedure

SEQ 1:   See section 27.22.4.1.1.4.2 of [7], Expected Sequence 1.1 (DISPLAY TEXT normal priority, Unpacked 8 bit data for Text String, successful)

SEQ 2:   See section 27.22.4.1.1.4.2 of [7], Expected Sequence 1.2 (DISPLAY TEXT normal priority, Unpacked 8-bit data for Text String, screen busy)

SEQ 3:   See section 27.22.4.1.1.4.2 of [7], Expected Sequence 1.3 (DISPLAY TEXT, high priority, Unpacked 8 bit data for Text String, successful)

SEQ 4:   See section 27.22.4.1.1.4.2 of [7], Expected Sequence 1.4 (DISPLAY TEXT, Packed, SMS default alphabet, successful)

SEQ 5:   See section 27.22.4.1.1.4.2 of [7], Expected Sequence 1.5 (DISPLAY TEXT, Clear message after delay, successful)

SEQ 6:   See section 27.22.4.1.1.4.2 of [7], Expected Sequence 1.6 (DISPLAY TEXT, Text string with 160 bytes, successful)

SEQ 7:   See section 27.22.4.1.1.4.2 of [7], Expected Sequence 1.7 (DISPLAY TEXT, Backward move in UICC session, successful).

SEQ 8: See section 27.22.4.1.1.4.2 of [7], Expected Sequence 1.8 (DISPLAY TEXT, session terminated by user)

SEQ 9: See section 27.22.4.1.1.4.2 of [7], Expected Sequence 1.9 (DISPLAY TEXT, icon, and text to be displayed, no text string given, not understood by ME)

6.4.1.1.5   Test Requirement

- The ME shall operate in the manner defined in SEQ 1 to SEQ 9.

- The ME displays the text contained in the DISPLAY TEXT proactive command, and returns an appropriate result in the TERMINAL RESPONSE command sent to the UICC.

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

6.4.1.2.1   Definition and Applicability

The ME shall support the DISPLAY TEXT (Support of "No response from user") command as defined in section 6.4.1 of [6].

This test case is applicable for all MEs supporting the options "ME supports display capability" [Table A.1/59], "ME supports keypad" [Table A.1/60] and "Mobile decision to respond with "No response from user" in finite time" [Table A.1/20].

6.4.1.2.2   Conformance Requirement

See section 27.22.4.1.2.2 of [7].

6.4.1.2.3   Test Purpose

The purpose of the test is to verify that the ME supports the DISPLAY TEXT (Support of "No response from user") command. The support of this command shall be tested as defined in 27.22.4.1.2 of [7].

6.4.1.2.4   Method of Test

6.4.1.2.4.1   Initial Conditions

The common initial conditions as defined in section 2.1 apply.

6.4.1.2.4.2   Procedure

SEQ 1: See section 27.22.4.1.2.4.2 of [7], Expected Sequence 2.1 (DISPLAY TEXT, no response from user).

6.4.1.2.5   Test Requirement

- The ME shall operate in the manner defined in SEQ 1.

- The ME displays the text "<TIME-OUT>", and returns a TERMINAL RESPONSE command to the UICC within 5 seconds after the defined "no response from user" period of time.

6.4.1.3   DISPLAY TEXT (Display of Extension Text)

6.4.1.3.1   Definition and Applicability

The ME shall support the DISPLAY TEXT (Display of Extension Text) command as defined in section 6.4.1 of [6].

This test case is applicable for all MEs supporting the option "ME supports display capability" [Table A.1/59].

6.4.1.3.2   Conformance Requirement

See section 27.22.4.1.3.2 of [7].

6.4.1.3.3   Test Purpose

The purpose of the test is to verify that the ME supports the DISPLAY TEXT (Display of Extension Text) command. The support of this command shall be tested as defined in 27.22.4.1.3 of [7].

6.4.1.3.4   Method of Test

6.4.1.3.4.1   Initial Conditions

The common initial conditions as defined in section 2.1 apply.

6.4.1.3.4.2   Procedure

SEQ 1:   See section 27.22.4.1.3.4.2 of [7], Expected Sequence 3.1 (DISPLAY TEXT, display of the extension text).

6.4.1.3.5   Test Requirement

- The ME shall operate in the manner defined in SEQ 1.

- The ME displays the text contained in the DISPLAY TEXT proactive command, and returns an appropriate result in the TERMINAL RESPONSE command sent to the UICC.

6.4.1.4   DISPLAY TEXT (Sustained Text)

6.4.1.4.1   Definition and Applicability

The ME shall support the DISPLAY TEXT (Sustained Text) command as defined in section 6.4.1 of [6].

This test case is applicable for all MEs supporting the option "ME supports display capability" [Table A.1/59].

Sequence SEQ 3 requires the support of the option "ME supports keypad" [Table A.1/60] in addition.

6.4.1.4.2   Conformance Requirement

See section 27.22.4.1.4.2 of [7].

6.4.1.4.3   Test Purpose

The purpose of the test is to verify that the ME supports the DISPLAY TEXT (Sustained Text) command. The support of this command shall be tested as defined in 27.22.4.1.4 of [7].

6.4.1.4.4   Method of Test

6.4.1.4.4.1   Initial Conditions

The common initial conditions as defined in section 2.1 apply.

6.4.1.4.4.2   Procedure

SEQ 1:   See section 27.22.4.1.4.4.2 of [7], Expected Sequence 4.1 (DISPLAY TEXT, sustained text, unpacked data 8 bits, successful).

SEQ 2:   See section 27.22.4.1.4.4.2 of [7], Expected Sequence 4.2 (DISPLAY TEXT, sustained text, clear message after delay, successful)

SEQ 3:   See section 27.22.4.1.4.4.2 of [7], Expected Sequence 4.3 (DISPLAY TEXT, sustained text, wait for user MMI to clear, successful).

6.4.1.4.5   Test Requirement

- The ME shall operate in the manner defined in SEQ 1 to SEQ 3.

- The ME displays the text contained in the DISPLAY TEXT proactive command, and returns an appropriate result in the TERMINAL RESPONSE command sent to the UICC.

6.4.1.5   Reserved for DISPLAY TEXT (display of Icons)

6.4.1.6   DISPLAY TEXT (UCS2 display supported in Cyrillic)

6.4.1.6.1   Definition and Applicability

The ME shall support the DISPLAY TEXT (UCS2 display supported in Cyrillic) command as defined in section 6.4.1 of [6].

This test case is applicable for all MEs supporting the options "ME supports display capability" [Table A.1/59], "UCS2 coding scheme for Display" [Table A.1/15] and "UCS2 in Cyrillic" [Table A.1/41].

6.4.1.6.2   Conformance Requirement

See section 27.22.4.1.6.2 of [7].

6.4.1.6.3   Test Purpose

The purpose of the test is to verify that the ME supports the DISPLAY TEXT (UCS2 display supported in Cyrillic) command. The support of this command shall be tested as defined in 27.22.4.1.6 of [7].

6.4.1.6.4   Method of Test

6.4.1.6.4.1   Initial Conditions

The common initial conditions as defined in section 2.1 apply.

6.4.1.6.4.2   Procedure

SEQ 1:   See section 27.22.4.1.6.4.2 of [7], Expected Sequence 6.1 (DISPLAY TEXT, UCS2 coded in Cyrillic)

6.4.1.6.5   Test Requirement

- The ME shall operate in the manner defined in SEQ 1.

- The ME displays the text contained in the DISPLAY TEXT proactive command, and returns an appropriate result in the TERMINAL RESPONSE command sent to the UICC.

6.4.1.7   DISPLAY TEXT (Variable Time Out)

6.4.1.7.1   Definition and Applicability

The ME shall support the DISPLAY TEXT (Variable Time Out) command as defined in section 6.4.1 of [6].

This test case is applicable for all MEs supporting the options "ME supports display capability" [Table A.1/59], "ME supports keypad" [Table A.1/60] and "Variable Timeout" [Table A.1/24].

6.4.1.7.2   Conformance Requirement

See section 27.22.4.1.7.2 of [7].

6.4.1.7.3   Test Purpose

The purpose of the test is to verify that the ME supports the DISPLAY TEXT (Variable Time Out) command. The support of this command shall be tested as defined in 27.22.4.1.7 of [7].

6.4.1.7.4   Method of Test

6.4.1.7.4.1   Initial Conditions

The common initial conditions as defined in section 2.1 apply.

6.4.1.7.4.2   Procedure

SEQ 1:   See section 27.22.4.1.7.4.2 of [7], Expected Sequence 7.1 (DISPLAY TEXT, variable timeout of 10 seconds)

6.4.1.7.5   Test Requirement

- The ME shall operate in the manner defined in SEQ 1.

- The ME displays the text contained in the DISPLAY TEXT proactive command, and returns an appropriate result in the TERMINAL RESPONSE command sent to the UICC.

6.4.1.8 Reserved for DISPLAY TEXT (Support of Text Attribute)

6.4.1.9 DISPLAY TEXT (UCS2 Display in Chinese)

6.4.1.9.1 Definition and Applicability

The ME shall support the DISPLAY TEXT (UCS2 Display in Chinese) command as defined in section 6.4.1 of [6].

This test case is applicable for all MEs supporting the options "ME supports display capability" [Table A.1/59], "UCS2 coding scheme for Display" [Table A.1/15] and "UCS2 in Chinese" [Table A.1/42].

6.4.1.9.2 Conformance Requirement

See section 27.22.4.1.9.2 of [7].

6.4.1.9.3 Test Purpose

The purpose of the test is to verify that the ME supports the DISPLAY TEXT (UCS2 Display in Chinese) command. The support of this command shall be tested as defined in 27.22.4.1.9 of [7].

6.4.1.9.4 Method of Test

6.4.1.9.4.1 Initial Conditions

The common initial conditions as defined in section 2.1 apply.

6.4.1.9.4.2 Procedure

SEQ 1:   See section 27.22.4.1.9.4.2 of [7], Expected Sequence 9.1 (DISPLAY TEXT, UCS2 coded in Chinese)

6.4.1.9.5 Test Requirement

- The ME shall operate in the manner defined in SEQ 1.

- The ME displays the text contained in the DISPLAY TEXT proactive command, and returns an appropriate result in the TERMINAL RESPONSE command sent to the UICC.

6.4.1.10 DISPLAY TEXT (UCS2 Display in Katakana)

6.4.1.10.1 Definition and Applicability

The ME shall support the DISPLAY TEXT (UCS2 Display in Katakana) command as defined in section 6.4.1 of [6].

This test case is applicable for all MEs supporting the options "ME supports display capability" [Table A.1/59], "UCS2 coding scheme for Display" [Table A.1/15] and "UCS2 in Katakana" [Table A.1/43].

6.4.1.10.2 Conformance Requirement

See section 27.22.4.1.10.2 of [7].

6.4.1.10.3 Test Purpose

The purpose of the test is to verify that the ME supports the DISPLAY TEXT (UCS2 Display in Katakana) command. The support of this command shall be tested as defined in 27.22.4.1.10 of [7].

6.4.1.10.4 Method of Test

6.4.1.10.4.1 Initial Conditions

The common initial conditions as defined in section 2.1 apply.

6.4.1.10.4.2 Procedure

SEQ 1:   See section 27.22.4.1.9.4.2 of [7], Expected Sequence 10.1 (DISPLAY TEXT, UCS2 coded in Katakana)

6.4.1.10.5 Test Requirement

- The ME shall operate in the manner defined in SEQ 1.

- The ME displays the text contained in the DISPLAY TEXT proactive command, and returns an appropriate result in the TERMINAL RESPONSE command sent to the UICC.

6.4.2 GET INKEY

6.4.2.1 GET INKEY (Normal)

6.4.2.1.1 Definition and Applicability

The ME shall support the GET INKEY (Normal) command as defined in section 6.4.2 of [6].

This test case is applicable for all MEs supporting the options "ME supports display capability" [Table A.1/59] and "ME supports keypad" [Table A.1/60].

6.4.2.1.2 Conformance Requirement

See section 27.22.4.2.1.2 of [7].

6.4.2.1.3 Test Purpose

The purpose of the test is to verify that the ME supports the GET INKEY (Normal) command. The support of this command shall be tested as defined in 27.22.4.2.1 of [7].

6.4.2.1.4 Method of Test

6.4.2.1.4.1 Initial Conditions

The common initial conditions as defined in section 2.1 apply.

6.4.2.1.4.2 Procedure

SEQ 1: See section 27.22.4.2.1.4.2 of [7], Expected Sequence 1.1 (GET INKEY, digits only for character, Unpacked 8 bit data for Text String, successful)

SEQ 2: See section 27.22.4.2.1.4.2 of [7], Expected Sequence 1.2 (GET INKEY, digits only for character set, SMS default Alphabet for Text String, successful)

SEQ 3: See section 27.22.4.2.1.4.2 of [7], Expected Sequence 1.3 (GET INKEY, backward move)

SEQ 4: See section 27.22.4.2.1.4.2 of [7], Expected Sequence 1.4 (GET INKEY, abort)

SEQ 5: See section 27.22.4.2.1.4.2 of [7], Expected Sequence 1.5 (GET INKEY, SMS default alphabet for character set, Unpacked 8 bit data for Text String, successful)

SEQ 6: See section 27.22.4.2.1.4.2 of [7], Expected Sequence 1.6 (GET INKEY, Max length for the Text String, successful)

6.4.2.1.5 Test Requirement

- The ME shall operate in the manner defined in SEQ 1 to SEQ 6.

- 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.

6.4.2.2 GET INKEY (No response from User)

6.4.2.2.1 Definition and Applicability

The ME shall support the GET INKEY (No response from User) command as defined in section 6.4.2 of [6].

This test case is applicable for all MEs supporting the options "ME supports display capability" [Table A.1/59], "ME supports keypad" [Table A.1/60] and "Mobile decision to respond with 'No response from user' in finite time" [Table A.1/20].

6.4.2.2.2 Conformance Requirement

See section 27.22.4.2.2.2 of [7].

6.4.2.2.3 Test Purpose

The purpose of the test is to verify that the ME supports the GET INKEY (No response from User) command. The support of this command shall be tested as defined in 27.22.4.2.2 of [7].

6.4.2.2.4 Method of Test

6.4.2.2.4.1 Initial Conditions

The common initial conditions as defined in section 2.1 apply.

The CS shall be set to the ME specific "no response from user" period of time declared in Table B.1.

6.4.2.2.4.2 Procedure

SEQ 1: See section 27.22.4.2.2.4.2 of [7], Expected Sequence 2.1 (GET INKEY, no response from the user)

6.4.2.2.5 Test Requirement

- The ME shall operate in the manner defined in SEQ 1.

- The ME displays the text "<TIME-OUT>", and returns a TERMINAL RESPONSE command to the UICC within 5 seconds after the defined "no response from user" period of time.

6.4.2.3 GET INKEY (UCS2 Display in Cyrillic)

6.4.2.3.1 Definition and Applicability

The ME shall support the GET INKEY (UCS2 Display in Cyrillic) command as defined in section 6.4.2 of [6].

This test case is applicable for all MEs supporting the options "ME supports display capability" [Table A.1/59], "ME supports keypad" [Table A.1/60], "UCS2 coding scheme for Display" [Table A.1/15] and "UCS2 in Cyrillic" [Table A.1/41].

6.4.2.3.2 Conformance Requirement

See section 27.22.4.2.3.2 of [7].

6.4.2.3.3 Test Purpose

The purpose of the test is to verify that the ME supports the GET INKEY (UCS2 Display in Cyrillic) command. The support of this command shall be tested as defined in 27.22.4.2.3 of [7].

6.4.2.3.4 Method of Test

6.4.2.3.4.1 Initial Conditions

The common initial conditions as defined in section 2.1 apply.

6.4.2.3.4.2 Procedure

SEQ 1: See section 27.22.4.2.3.4.2 of [7], Expected Sequence 3.1 (GET INKEY, Text String coding in UCS2 Alphabet in Cyrillic, successful)

SEQ 2: See section 27.22.4.2.3.4.2 of [7], Expected Sequence 3.2 (GET INKEY, max length for the Text String coding in UCS2 Alphabet in Cyrillic, successful)

6.4.2.3.5 Test Requirement

- The ME shall operate in the manner defined in SEQ 1 and SEQ 2.

- 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.

6.4.2.4 GET INKEY (UCS2 Entry in Cyrillic)

6.4.2.4.1 Definition and Applicability

The ME shall support the GET INKEY (UCS2 Entry in Cyrillic) command as defined in section 6.4.2 of [6].

This test case is applicable for all MEs supporting the options "ME supports display capability" [Table A.1/59], "ME supports keypad" [Table A.1/60], "UCS2 coding scheme for Entry" [Table A.1/3] and "UCS2 in Cyrillic" [Table A.1/41].

6.4.2.4.2 Conformance Requirement

See section 27.22.4.2.4.2 of [7].

6.4.2.4.3 Test Purpose

The purpose of the test is to verify that the ME supports the GET INKEY (UCS2 Entry in Cyrillic) command. The support of this command shall be tested as defined in 27.22.4.2.4 of [7].

6.4.2.4.4   Method of Test

6.4.2.4.4.1   Initial Conditions

The common initial conditions as defined in section 2.1 apply.

6.4.2.4.4.2   Procedure

SEQ 1:   See section 27.22.4.2.4.4.2 of [7], Expected Sequence 4.1 (GET INKEY, characters from UCS2 alphabet in Cyrillic, successful)

6.4.2.4.5   Test Requirement

- The ME shall operate in the manner defined in SEQ 1.

- 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.

6.4.2.5   GET INKEY ("Yes/No" Response)

6.4.2.5.1   Definition and Applicability

The ME shall support the GET INKEY ("Yes/No" Response) command as defined in section 6.4.2 of [6].

This test case is applicable for all MEs supporting the options "ME supports display capability" [Table A.1/59] and "ME supports keypad" [Table A.1/60].

6.4.2.5.2   Conformance Requirement

See section 27.22.4.2.5.2 of [7].

6.4.2.5.3   Test Purpose

The purpose of the test is to verify that the ME supports the GET INKEY ("Yes/No" Response) command. The support of this command shall be tested as defined in 27.22.4.2.5 of [7].

6.4.2.5.4   Method of Test

6.4.2.5.4.1   Initial Conditions

The common initial conditions as defined in section 2.1 apply.

6.4.2.5.4.2   Procedure

SEQ 1:   See section 27.22.4.2.5.4.2 of [7], Expected Sequence 5.1 (GET INKEY, "Yes/No" Response for the input, successful)

6.4.2.5.5   Test Requirement

- The ME shall operate in the manner defined in SEQ 1.

- 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.

6.4.2.6 Reserved for GET INKEY (Display of Icons)

6.4.2.7 GET INKEY (Help Information)

6.4.2.7.1 Definition and Applicability

The ME shall support the GET INKEY (Help Information) command as defined in section 6.4.2 of [6].

This test case is applicable for MEs supporting the options "ME supports display capability" [Table A.1/59], "ME supports keypad" [Table A.1/60] and "Help information" [Table A.1/5].

6.4.2.7.2 Conformance Requirement

See section 27.22.4.2.7.2 of [7].

6.4.2.7.3 Test Purpose

The purpose of the test is to verify that the ME supports the GET INKEY (Help Information) command. The support of this command shall be tested as defined in 27.22.4.2.7 of [7].

6.4.2.7.4 Method of Test

6.4.2.7.4.1 Initial Conditions

The common initial conditions as defined in section 2.1 apply.

6.4.2.7.4.2 Procedure

SEQ 1:   See section 27.22.4.2.7.4.2 of [7], Expected Sequence 7.1 (GET INKEY, help information available)

6.4.2.7.5 Test Requirement

- The ME shall operate in the manner defined in SEQ 1.

- 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.

6.4.2.8 GET INKEY (Variable Time Out)

6.4.2.8.1 Definition and Applicability

The ME shall support the GET INKEY (Variable Time Out) command as defined in section 6.4.2 of [6].

This test case is applicable for all MEs supporting the options "ME supports display capability" [Table A.1/59], "ME supports keypad" [Table A.1/60] and "Variable Timeout" [Table A.1/24].

6.4.2.8.2   Conformance Requirement

See section 27.22.4.2.8.2 of [7].

6.4.2.8.3   Test Purpose

The purpose of the test is to verify that the ME supports the GET INKEY (Variable Time Out) command. The support of this command shall be tested as defined in 27.22.4.2.8 of [7].

6.4.2.8.4   Method of Test

6.4.2.8.4.1   Initial Conditions

The common initial conditions as defined in section 2.1 apply.

6.4.2.8.4.2   Procedure

SEQ 1:   See section 27.22.4.2.8.4.2 of [7], Expected Sequence 8.1 (GET INKEY, variable time out of 10 seconds)

6.4.2.8.5   Test Requirement

- The ME shall operate in the manner defined in SEQ 1.

- 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.

6.4.2.9   Reserved for GET INKEY (Support of Text Attribute)

6.4.2.10 GET INKEY (UCS2 Display in Chinese)

6.4.2.10.1   Definition and Applicability

The ME shall support the GET INKEY (UCS2 Display in Chinese) command as defined in section 6.4.2 of [6].

This test case is applicable for all MEs supporting the options "ME supports display capability" [Table A.1/59], "ME supports keypad" [Table A.1/60], "UCS2 coding scheme for Display" [Table A.1/15] and "UCS2 in Chinese" [Table A.1/42].

6.4.2.10.2   Conformance Requirement

See section 27.22.4.2.10.2 of [7].

6.4.2.10.3   Test Purpose

The purpose of the test is to verify that the ME supports the GET INKEY (UCS2 Display in Chinese). The support of this command shall be tested as defined in 27.22.4.2.10 of [7].

6.4.2.10.4   Method of Test

6.4.2.10.4.1   Initial Conditions

The common initial conditions as defined in section 2.1 apply.

6.4.2.10.4.2   Procedure

SEQ 1:   See section 27.22.4.2.10.4.2 of [7], Expected Sequence 10.1 (GET INKEY, Text String coding in UCS2 Alphabet in Chinese, successful)

SEQ 2:   See section 27.22.4.2.10.4.2 of [7], Expected Sequence 10.2 (GET INKEY, max length for the Text String coding in UCS2 Alphabet in Chinese, successful)

6.4.2.10.5   Test Requirement

- The ME shall operate in the manner defined in SEQ 1 and SEQ 2.

- The ME displays the text contained in the GET INKEY proactive UICC command, and returns an appropriate result in the TERMINAL RESPONSE command sent to the UICC.

6.4.2.11 GET INKEY (UCS2 Entry in Chinese)

6.4.2.11.1   Definition and Applicability

The ME shall support the GET INKEY (UCS2 Entry in Chinese) command as defined in section 6.4.2 of [6].

This test case is applicable for all MEs supporting the options "ME supports display capability" [Table A.1/59], "ME supports keypad" [Table A.1/60], "UCS2 coding scheme for Entry" [Table A.1/3] and "UCS2 in Chinese" [Table A.1/42].

6.4.2.11.2   Conformance Requirement

See section 27.22.4.2.11.2 of [7].

6.4.2.11.3   Test Purpose

The purpose of the test is to verify that the ME supports the GET INKEY (UCS2 Entry in Chinese) command. The support of this command shall be tested as defined in 27.22.4.2.11 of [7].

6.4.2.11.4   Method of Test

6.4.2.11.4.1   Initial Conditions

The common initial conditions as defined in section 2.1 apply.

6.4.2.11.4.2   Procedure

SEQ 1:   See section 27.22.4.2.11.4.2 of [7], Expected Sequence 11.1 (GET INKEY, characters from UCS2 alphabet in Chinese, successful)

6.4.2.11.5 Test Requirement

- The ME shall operate in the manner defined in SEQ 1.

- 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.

6.4.2.12 GET INKEY (UCS2 Display in Katakana)

6.4.2.12.1 Definition and Applicability

The ME shall support the GET INKEY (UCS2 Display in Katakana) command as defined in section 6.4.2 of [6].

This test case is applicable for all MEs supporting the options "ME supports display capability" [Table A.1/59], "ME supports keypad" [Table A.1/60], "UCS2 coding scheme for Display" [Table A.1/15] and "UCS2 in Katakana" [Table A.1/43].

6.4.2.12.2 Conformance Requirement

See section 27.22.4.2.12.2 of [7].

6.4.2.12.3 Test Purpose

The purpose of the test is to verify that the ME supports the GET INKEY (UCS2 Display in Katakana) command. The support of this command shall be tested as defined in 27.22.4.2.12 of [7].

6.4.2.12.4 Method of Test

6.4.2.12.4.1 Initial Conditions

The common initial conditions as defined in section 2.1 apply.

6.4.2.12.4.2 Procedure

SEQ 1: See section 27.22.4.2.12.4.2 of [7], Expected Sequence 12.1 (GET INKEY, Text String coding in UCS2 Alphabet in Katakana, successful)

SEQ 2: See section 27.22.4.2.12.4.2 of [7], Expected Sequence 12.2 (GET INKEY, max length for the Text String coding in UCS2 Alphabet in Katakana, successful)

6.4.2.12.5 Test Requirement

- The ME shall operate in the manner defined in SEQ 1 and SEQ 2.

- The ME displays the text contained in the GET INKEY proactive UICC command, and returns an appropriate result in the TERMINAL RESPONSE command sent to the UICC.

6.4.2.13 GET INKEY (UCS2 Entry in Katakana)

6.4.2.13.1 Definition and Applicability

The ME shall support the GET INKEY (UCS2 Entry in Katakana) command as defined in section 6.4.2 of [6].

This test case is applicable for all MEs supporting the options "ME supports display capability" [Table A.1/59], "ME supports keypad" [Table A.1/60], "UCS2 coding scheme for Entry" [Table A.1/3] and "UCS2 in Katakana" [Table A.1/43].

6.4.2.13.2 Conformance Requirement

See section 27.22.4.2.13.2 of [7].

6.4.2.13.3 Test Purpose

The purpose of the test is to verify that the ME supports the GET INKEY (UCS2 Entry in Katakana) command. The support of this command shall be tested as defined in 27.22.4.2.13 of [7].

6.4.2.13.4 Method of Test

6.4.2.13.4.1 Initial Conditions

The common initial conditions as defined in section 2.1 apply.

6.4.2.13.4.2 Procedure

SEQ 1: See section 27.22.4.2.13.4.2 of [7], Expected Sequence 13.1 (GET INKEY, characters from UCS2 alphabet in Katakana, successful)

6.4.2.13.5 Test Requirement

- The ME shall operate in the manner defined in SEQ 1.

- 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.

6.4.3   GET INPUT

6.4.3.1 GET INPUT (Normal)

6.4.3.1.1   Definition and Applicability

The ME shall support the GET INPUT (Normal) command as defined in section 6.4.3 of [6].

This test case is applicable for all MEs supporting the options "ME supports display capability" [Table A.1/59] and "ME supports keypad" [Table A.1/60].

6.4.3.1.2   Conformance Requirement

See section 27.22.4.3.1.2 of [7].

6.4.3.1.3   Test Purpose

The purpose of the test is to verify that the ME supports the GET INPUT (Normal) command. The support of this command shall be tested as defined in 27.22.4.3.1 of [7].

6.4.3.1.4   Method of Test

6.4.3.1.4.1   Initial Conditions

The common initial conditions as defined in section 2.1 apply.

6.4.3.1.4.2   Procedure

SEQ 1:   See section 27.22.4.3.1.4.2 of [7], Expected Sequence 1.1 (GET INPUT, digits only, SMS default alphabet, Terminal to echo text, Terminal supporting 8 bit data Message)

SEQ 2:   See section 27.22.4.3.1.4.2 of [7], Expected Sequence 1.2 (GET INPUT, digits only, SMS default alphabet, Terminal to echo text, packing SMS Point-to-point required by Terminal)

SEQ 3:   See section 27.22.4.3.1.4.2 of [7], Expected Sequence 1.3 (GET INPUT, character set, SMS Default Alphabet, Terminal to echo text, Terminal supporting 8 bit data Message)

SEQ 4:   See section 27.22.4.3.1.4.2 of [7], Expected Sequence 1.4 (GET INPUT, digits only, SMS default alphabet, Terminal to hide text, Terminal supporting 8 bit data Message)

SEQ 5:   See section 27.22.4.3.1.4.2 of [7], Expected Sequence 1.5 (GET INPUT, digits only, SMS default alphabet, Terminal to echo text, Terminal supporting 8 bit data Message)

SEQ 6:   See section 27.22.4.3.1.4.2 of [7], Expected Sequence 1.6 (GET INPUT, backwards move)

SEQ 7:   See section 27.22.4.3.1.4.2 of [7], Expected Sequence 1.7 (GET INPUT, abort)

SEQ 8:   See section 27.22.4.3.1.4.2 of [7], Expected Sequence 1.8 (GET INPUT, digits only, SMS default alphabet, Terminal to echo text, Terminal supporting 8 bit data Message)

SEQ 9:   See section 27.22.4.3.1.4.2 of [7], Expected Sequence 1.9 (GET INPUT, digits only, SMS default alphabet, Terminal to echo text, Terminal supporting 8 bit data Message)

SEQ 10: See section 27.22.4.3.1.4.2 of [7], Expected Sequence 1.10 (GET INPUT, null length for the text string, successful)

6.4.3.1.5   Test Requirement

- The ME shall operate in the manner defined in SEQ 1 to SEQ 10.

- 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.

6.4.3.2   GET INPUT (No response from User)

6.4.3.2.1   Definition and Applicability

The ME shall support the GET INPUT (No response from User) command as defined in section 6.4.3 of [6].

This test case is applicable for all MEs supporting the options "ME supports display capability" [Table A.1/59], "ME supports keypad" [Table A.1/60] and "Mobile decision to respond with "No response from user" in finite time" [Table A.1/20].

6.4.3.2.2   Conformance Requirement

See section 27.22.4.3.2.2 of [7].

6.4.3.2.3   Test Purpose

The purpose of the test is to verify that the ME supports the GET INPUT (No response from User) command. The support of this command shall be tested as defined in 27.22.4.3.2 of [7].

6.4.3.2.4   Method of Test

6.4.3.2.4.1   Initial Conditions

The common initial conditions as defined in section 2.1 apply.

The CS shall be set to the ME specific "no response from user" period of time declared in Table B.1.

6.4.3.2.4.2   Procedure

SEQ 1:   See section 27.22.4.3.2.4.2 of [7], Expected Sequence 2.1 (GET INPUT, no response from the user))

6.4.3.2.5 Test Requirement

- The ME shall operate in the manner defined in SEQ 1.

- The ME displays the text "<TIME-OUT>", and returns a TERMINAL RESPONSE command to the UICC within 5 seconds after the defined "no response from user" period of time.

6.4.3.3 GET INPUT (UCS2 Display in Cyrillic)

6.4.3.3.1 Definition and Applicability

The ME shall support the GET INPUT (UCS2 Display in Cyrillic) command as defined in section 6.4.3 of [6].

This test case is applicable for all MEs supporting the options "ME supports display capability" [Table A.1/59], "ME supports keypad" [Table A.1/60], "UCS2 coding scheme for Display" [Table A.1/15] and "UCS2 in Cyrillic" [Table A.1/41].

6.4.3.3.2 Conformance Requirement

See section 27.22.4.2.3.2 of [7].

6.4.3.3.3 Test Purpose

The purpose of the test is to verify that the ME supports the GET INPUT (UCS2 Display in Cyrillic) command. The support of this command shall be tested as defined in 27.22.4.3.3 of [7].

6.4.3.3.4 Method of Test

6.4.3.3.4.1 Initial Conditions

The common initial conditions as defined in section 2.1 apply.

6.4.3.3.4.2 Procedure

SEQ 1: See section 27.22.4.3.3.4.2 of [7], Expected Sequence 3.1 (GET INPUT, text string coding in UCS2 in Cyrillic, successful)

SEQ 2: See section 27.22.4.2.3.4.2 of [7], Expected Sequence 3.2 (GET INPUT, max length for the text string coding in UCS2 in Cyrillic, successful)

6.4.3.3.5 Test Requirement

- The ME shall operate in the manner defined in SEQ 1 and SEQ 2.

- 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.

6.4.3.4   GET INPUT (UCS2 Entry in Cyrillic)

6.4.3.4.1   Definition and Applicability

The ME shall support the GET INPUT (UCS2 Entry in Cyrillic) command as defined in section 6.4.3 of [6].

This test case is applicable for all MEs supporting the options "ME supports display capability" [Table A.1/59], "ME supports keypad" [Table A.1/60], "UCS2 coding scheme for Entry" [Table A.1/3] and "UCS2 in Cyrillic" [Table A.1/41].

6.4.3.4.2   Conformance Requirement

See section 27.22.4.3.4.2 of [7].

6.4.3.4.3   Test Purpose

The purpose of the test is to verify that the ME supports the GET INPUT (UCS2 Entry in Cyrillic) command. The support of this command shall be tested as defined in 27.22.4.3.4 of [7].

6.4.3.4.4   Method of Test

6.4.3.4.4.1   Initial Conditions

The common initial conditions as defined in section 2.1 apply.

6.4.3.4.4.2   Procedure

SEQ 1:   See section 27.22.4.3.4.4.2 of [7], Expected Sequence 4.1 (GET INPUT, character set from UCS2 alphabet in Cyrillic, successful)

SEQ 2:   See section 27.22.4.3.4.4.2 of [7], Expected Sequence 4.2 (GET INPUT, character set from UCS2 alphabet in Cyrillic, Max length for the input, successful)

6.4.3.4.5   Test Requirement

• The ME shall operate in the manner defined in the SEQ 1 and SEQ 2.

• 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.

6.4.3.5   GET INPUT (Default Text)

6.4.3.5.1   Definition and Applicability

The ME shall support the GET INPUT (Default Text) command as defined in section 6.4.3 of [6].

This test case is applicable for all MEs supporting the options "ME supports display capability" [Table A.1/59] and "ME supports keypad" [Table A.1/60].

6.4.3.5.2   Conformance Requirement

See section 27.22.4.3.5.2 of [7].

6.4.3.5.3   Test Purpose

The purpose of the test is to verify that the ME supports the GET INPUT (Default Text) command. The support of this command shall be tested as defined in 27.22.4.3.5 of [7].

6.4.3.5.4   Method of Test

6.4.3.5.4.1   Initial Conditions

The common initial conditions as defined in section 2.1 apply.

6.4.3.5.4.2   Procedure

SEQ 1:   See section 27.22.4.3.5.4.2 of [7], Expected Sequence 5.1 (GET INPUT, default text for the input, successful)

SEQ 2:   See section 27.22.4.3.5.4.2 of [7], Expected Sequence 5.2 (GET INPUT, default text for the input with max length, successful)

6.4.3.5.5   Test Requirement

- The ME shall operate in the manner defined in the SEQ 1 and SEQ 2.

- 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.

6.4.3.6   Reserved for GET INPUT (Display of Icons)

6.4.3.7   GET INPUT (Help Information)

6.4.3.7.1   Definition and Applicability

The ME shall support the GET INPUT (Help Information) command as defined in section 6.4.3 of [6].

This test case is applicable for all MEs supporting the options "ME supports display capability" [Table A.1/59], "ME supports keypad" [Table A.1/60] and "Help Information" [Table A.1/5].

6.4.3.7.2   Conformance Requirement

See section 27.22.4.3.7.2 of [7].

6.4.3.7.3   Test Purpose

The purpose of the test is to verify that the ME supports the GET INPUT (Help Information) command. The support of this command shall be tested as defined in 27.22.4.3.7 of [7].

1 ### 6.4.3.7.4 Method of Test

2 #### 6.4.3.7.4.1 Initial Conditions

3 The common initial conditions as defined in section 2.1 apply.

4 #### 6.4.3.7.4.2 Procedure

5 SEQ 1: See section 27.22.4.3.7.4.2 of [7], Expected Sequence 7.1 (GET INPUT, digits
6 only, Terminal to echo text, Terminal supporting 8 bit data Message, help
7 information available)

8 ### 6.4.3.7.5 Test Requirement

9 • The ME shall operate in the manner defined in SEQ 1.

10 • The ME displays the text contained in the GET INPUT proactive UICC command,
11 and returns a 'help information required by the user' result value in the TERMINAL
12 RESPONSE command sent to the UICC if the user has indicated the need to get
13 help information.

14 ## 6.4.3.8 Reserved for GET INPUT (Support of Text Attribute)

15 ## 6.4.3.9 GET INPUT (UCS2 Display in Chinese)

16 ### 6.4.3.9.1 Definition and Applicability

17 The ME shall support the GET INPUT (UCS2 Display in Chinese) command as defined
18 in section 6.4.3 of [6].

19 This test case is applicable for all MEs supporting the options "ME supports display
20 capability" [Table A.1/59], "ME supports keypad" [Table A.1/60], "UCS2 coding
21 scheme for Display" [Table A.1/15] and "UCS2 in Chinese" [Table A.1/42].

22 ### 6.4.3.9.2 Conformance Requirement

23 See section 27.22.4.3.9.2 of [7].

24 ### 6.4.3.9.3 Test Purpose

25 The purpose of the test is to verify that the ME supports the GET INPUT (UCS2
26 Display in Chinese). The support of this command shall be tested as defined in
27 27.22.4.3.9 of [7].

28 ### 6.4.3.9.4 Method of Test

29 #### 6.4.3.9.4.1 Initial Conditions

30 The common initial conditions as defined in section 2.1 apply.

31 #### 6.4.3.9.4.2 Procedure

32 SEQ 1: See section 27.22.4.3.9.4.2 of [7], Expected Sequence 9.1 (GET INPUT, text
33 string coding in UCS2 in Chinese, successful)

SEQ 2: See section 27.22.4.3.9.4.2 of [7], Expected Sequence 9.2 (GET INPUT, max length for the text string coding in UCS2 in Chinese, successful)

6.4.3.9.5   Test Requirement

- The ME shall operate in the manner defined in SEQ 1 and SEQ 2.

- The ME displays the text contained in the GET INPUT proactive UICC command, and returns an appropriate result in the TERMINAL RESPONSE command sent to the UICC.

6.4.3.10 GET INPUT (UCS2 Entry in Chinese)

6.4.3.10.1   Definition and Applicability

The ME shall support the GET INPUT (UCS2 Entry in Chinese) command as defined in section 6.4.3 of [6].

This test case is applicable for all MEs supporting the options "ME supports display capability" [Table A.1/59], "ME supports keypad" [Table A.1/60], "UCS2 coding scheme for Entry" [Table A.1/3] and "UCS2 in Chinese" [Table A.1/42].

6.4.3.10.2   Conformance Requirement

See section 27.22.4.3.10.2 of [7].

6.4.3.10.3   Test Purpose

The purpose of the test is to verify that the ME supports the GET INPUT (UCS2 Entry in Chinese) command. The support of this command shall be tested as defined in 27.22.4.3.10 of [7].

6.4.3.10.4   Method of Test

6.4.3.10.4.1 Initial Conditions

The common initial conditions as defined in section 2.1 apply.

6.4.3.10.4.2 Procedure

SEQ 1: See section 27.22.4.3.10.4.2 of [7], Expected Sequence 10.1 (GET INPUT, character set from UCS2 alphabet in Chinese, successful)

SEQ 2: See section 27.22.4.3.10.4.2 of [7], Expected Sequence 10.2 (GET INPUT, character set from UCS2 alphabet in Chinese, Max length for the input, successful)

6.4.3.10.5   Test Requirement

- The ME shall operate in the manner defined in the SEQ 1 and SEQ 2.

- 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.

6.4.3.11 GET INPUT (UCS2 Display in Katakana)

6.4.3.11.1 Definition and Applicability

The ME shall support the GET INKEY (UCS2 Display in Katakana) command as defined in section 6.4.3 of [6].

This test case is applicable for all MEs supporting the options "ME supports display capability" [Table A.1/59], "ME supports keypad" [Table A.1/60] "UCS2 coding scheme for Display" [Table A.1/15] and "UCS2 in Katakana" [Table A.1/43].

6.4.3.11.2 Conformance Requirement

See section 27.22.4.3.11.2 of [7].

6.4.3.11.3 Test Purpose

The purpose of the test is to verify that the ME supports the GET INPUT (UCS2 Display in Katakana) command. The support of this command shall be tested as defined in 27.22.4.3.11 of [7].

6.4.3.11.4 Method of Test

6.4.3.11.4.1 Initial Conditions

The common initial conditions as defined in section 2.1 apply.

6.4.3.11.4.2 Procedure

SEQ 1: See section 27.22.4.3.11.4.2 of [7], Expected Sequence 11.1 (GET INPUT, text string coding in UCS2 in Katakana, successful)

SEQ 2: See section 27.22.4.3.11.4.2 of [7], Expected Sequence 11.2 (GET INPUT, max length for the text string coding in UCS2 in Katakana, successful)

6.4.3.11.5 Test Requirement

- The ME shall operate in the manner defined in SEQ 1 and SEQ 2.

- The ME displays the text contained in the GET INPUT proactive UICC command, and returns an appropriate result in the TERMINAL RESPONSE command sent to the UICC.

6.4.3.12 GET INPUT (UCS2 Entry in Katakana)

6.4.3.12.1 Definition and Applicability

The ME shall support the GET INPUT (UCS2 Entry in Katakana) command as defined in section 6.4.3 of [6].

This test case is applicable for all MEs supporting the options "ME supports display capability" [Table A.1/59], "ME supports keypad" [Table A.1/60], "UCS2 coding scheme for Entry" [Table A.1/3] and "UCS2 in Katakana" [Table A.1/43].

6.4.3.12.2   Conformance Requirement

See section 27.22.4.3.12.2 of [7].

6.4.3.12.3   Test Purpose

The purpose of the test is to verify that the ME supports the GET INPUT (UCS2 Entry in Katakana) command. The support of this command shall be tested as defined in 27.22.4.3.12 of [7].

6.4.3.12.4   Method of Test

6.4.3.12.4.1   Initial Conditions

The common initial conditions as defined in section 2.1 apply.

6.4.3.12.4.2   Procedure

SEQ 1:   See section 27.22.4.3.12.4.2 of [7], Expected Sequence 12.1 (GET INPUT, character set from UCS2 alphabet in Katakana, successful)

6.4.3.12.5   Test Requirement

- The ME shall operate in the manner defined in SEQ 1.

- 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.

6.4.4   MORE TIME

6.4.4.1   Definition and Applicability

The ME shall support the MORE TIME command as defined in section 6.4.4 of [6].

This test case is applicable for all MEs supporting CDMA Card Application Toolkit enabled UICCs.

6.4.4.2   Conformance Requirement

See section 27.22.4.4.2 of [7].

6.4.4.3   Test Purpose

The purpose of the test is to verify that the ME supports the MORE TIME command. The support of this command shall be tested as defined in 27.22.4.4 of [7].

6.4.4.4   Method of Test

6.4.4.4.1   Initial Conditions

The common initial conditions as defined in section 2.1 apply.

6.4.4.4.2   Procedure

SEQ 1:   See section 27.22.4.4.4.2 of [7], Expected Sequence 1.1 (MORE TIME)

6.4.4.5   Test Requirement

- The ME shall operate in the manner defined in SEQ 1.

- The ME shall send a TERMINAL RESPONSE (OK) to the UICC after it has received the PROACTIVE COMMAND: MORE TIME.

6.4.5   PLAY TONE

6.4.5.1   PLAY TONE (Normal)

6.4.5.1.1   Definition and Applicability

The ME shall support the PLAY TONE (Normal) command as defined in section 6.4.5 of [6].

This test case is applicable for all MEs supporting the options "ME supports keypad" [Table A.1/60], "ME supports audio alerting" [Table A.1/61] and "ME supports speech call" [Table A.1/62].

6.4.5.1.2   Conformance Requirement

See section 27.22.4.5.1.2 of [7].

6.4.5.1.3   Test Purpose

The purpose of the test is to verify that the ME supports the PLAY TONE (Normal) command. The support of this command shall be tested as defined in 27.22.4.5.1 of [7].

6.4.5.1.4   Method of Test

6.4.5.1.4.1   Initial Conditions

The common initial conditions as defined in section 2.1 apply.

6.4.5.1.4.2   Procedure

SEQ 1:   See section 27.22.4.5.1.4.2 of [7], Expected Sequence 1.1 (PLAY TONE)

6.4.5.1.5   Test Requirement

- The ME shall operate in the manner defined in SEQ 1.

- The ME shall play an audio tone of a type and duration contained in the PROACTIVE COMMAND: PLAY TONE, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

- If the support for the specific tone requested is optional, and the ME does not support this particular tone, it shall send the TERMINAL RESPONSE "Command beyond terminal's capabilities".

- If the ME supports a tone, but it is not possible to play it, the ME shall send the TERMINAL RESPONSE "Command performed successfully, tone not played".

- The ME shall play 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.

- The ME shall display the text contained in the PROACTIVE COMMAND: PLAY TONE.

6.4.5.2 PLAY TONE (UCS2 Display in Cyrillic)

6.4.5.2.1 Definition and Applicability

The ME shall support the PLAY TONE (UCS2 Display in Cyrillic) command as defined in section 6.4.5 of [6].

This test case is applicable for all MEs supporting the options "ME supports audio alerting" [Table A.1/61], "UCS2 coding scheme for Display" [Table A.1/15] and "UCS2 in Cyrillic" [Table A.1/41].

6.4.5.2.2 Conformance Requirement

See section 27.22.4.5.2.2 of [7].

6.4.5.2.3 Test Purpose

The purpose of the test is to verify that the ME supports the PLAY TONE (UCS2 Display in Cyrillic) command. The support of this command shall be tested as defined in 27.22.4.5.2 of [7].

6.4.5.2.4 Method of Test

6.4.5.2.4.1 Initial Conditions

The common initial conditions as defined in section 2.1 apply.

6.4.5.2.4.2 Procedure

SEQ 1: See section 27.22.4.5.2.4.2 of [7], Expected Sequence 2.1 (PLAY TONE, character set from UCS2 alphabet in Cyrillic, successful)

6.4.5.2.5 Test Requirement

- The ME shall operate in the manner defined in SEQ 1.

- The ME shall play an audio tone of a type and duration contained in the PROACTIVE COMMAND: PLAY TONE, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

- If the support for the specific tone requested is optional, and the ME does not support this particular tone, it shall send the TERMINAL RESPONSE "Command beyond terminal's capabilities".

- If the ME supports a tone, but it is not possible to play it, the ME shall send the TERMINAL RESPONSE "Command performed successfully, tone not played".

- The ME shall display the text contained in the PROACTIVE COMMAD: PLAY TONE.

6.4.5.3   Reserved for PLAY TONE (Display of Icons)

6.4.5.4   Reserved for PLAY TONE (Support of Text Attribute)

6.4.5.5   PLAY TONE (UCS2 Display in Chinese)

6.4.5.5.1   Definition and Applicability

The ME shall support the PLAY TONE (UCS2 Display in Chinese) command as defined in section 6.4.5 of [6].

This test case is applicable for all MEs supporting the options "ME supports audio alerting" [Table A.1/61], "UCS2 coding scheme for Display" [Table A.1/15] and "UCS2 in Chinese" [Table A.1/42].

6.4.5.5.2   Conformance Requirement

See section 27.22.4.5.5.2 of [7].

6.4.5.5.3   Test Purpose

The purpose of the test is to verify that the ME supports the PLAY TONE (UCS2 Display in Chinese) command. The support of this command shall be tested as defined in 27.22.4.5.5 of [7].

6.4.5.5.4   Method of Test

6.4.5.5.4.1   Initial Conditions

The common initial conditions as defined in section 2.1 apply.

6.4.5.5.4.2   Procedure

SEQ 1:   See section 27.22.4.5.5.4.2 of [7], Expected Sequence 5.1 (PLAY TONE, character set from UCS2 alphabet in Chinese, successful)

6.4.5.5.5   Test Requirement

- The ME shall operate in the manner defined in SEQ 1.

- The ME shall play an audio tone of a type and duration contained in the PROACTIVE COMMAND: PLAY TONE, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

- If the support for the specific tone requested is optional, and the ME does not support this particular tone, it shall send the TERMINAL RESPONSE "Command beyond terminal's capabilities".

- If the ME supports a tone, but it is not possible to play it, the ME shall send the TERMINAL RESPONSE "Command performed successfully, tone not played".

- The ME shall display the text contained in the PROACTIVE COMMAND: PLAY TONE.

6.4.5.6   PLAY TONE (UCS2 Display in Katakana)

6.4.5.6.1   Definition and Applicability

The ME shall support the PLAY TONE (UCS2 Display in Katakana) command as defined in section 6.4.5 of [6].

This test case is applicable for all MEs supporting the options "ME supports audio alerting" [Table A.1/61], "UCS2 coding scheme for Display" [Table A.1/15] and "UCS2 in Katakana" [Table A.1/43].

6.4.5.6.2   Conformance Requirement

See section 27.22.4.5.6.2 of [7].

6.4.5.6.3   Test Purpose

The purpose of the test is to verify that the ME supports the PLAY TONE (UCS2 Display in Chinese) command. The support of this command shall be tested as defined in 27.22.4.5.5 of [7].

6.4.5.6.4   Method of Test

6.4.5.6.4.1   Initial Conditions

The common initial conditions as defined in section 2.1 apply.

6.4.5.6.4.2   Procedure

SEQ 1:   See section 27.22.4.5.6.4.2 of [7], Expected Sequence 6.1 (PLAY TONE, with UCS2 in Katakana, successful)

6.4.5.6.5   Test Requirement

- The ME shall operate in the manner defined in SEQ 1.

- The ME shall play an audio tone of a type and duration contained in the PROACTIVE COMMAND: PLAY TONE, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

- If the support for the specific tone requested is optional, and the ME does not support this particular tone, it shall send the TERMINAL RESPONSE "Command beyond terminal's capabilities".

- If the ME supports a tone, but it is not possible to play it, the ME shall send the TERMINAL RESPONSE "Command performed successfully, tone not played".

- The ME shall display the text contained in the PROACTIVE COMMAND: PLAY TONE.

6.4.6   POLL INTERVAL

6.4.6.1   Definition and Applicability

The ME shall support the POLL INTERVAL command as defined in section 6.4.6 of [6].

This test case is applicable for all MEs supporting CDMA Card Application Toolkit enabled UICCs.

6.4.6.2   Conformance Requirement

See section 27.22.4.6.2 of [7].

6.4.6.3   Test Purpose

The purpose of the test is to verify that the ME supports the POLL INTERVAL command.

The support of this command shall be tested as defined in 27.22.4.6 of [7].

6.4.6.4   Method of Test

6.4.6.4.1   Initial Conditions

The common initial conditions as defined in section 2.1 apply.

6.4.6.4.2   Procedure

SEQ 1:   See section 27.22.4.6.4.2 of [7], Expected Sequence 1.1 (POLL INTERVAL, Seconds)

6.4.6.5   Test Requirement

- The ME shall operate in the manner defined in SEQ 1.

- The ME shall send a valid TERMINAL RESPONSE to the polling interval requested by the UICC.

- The ME shall send STATUS commands to the UICC at an interval no longer than the interval negotiated by the UICC.

6.4.7   REFRESH

6.4.7.1   REFRESH (Normal)

6.4.7.1.1   Definition and Applicability

The ME shall support the REFRESH (Normal) command as defined in section 6.4.7 of [6].

This test case is applicable for all MEs supporting the options "ME supports display capability" [Table A.1/59], "ME supports keypad" [Table A.1/60] and "ME supports speech call" [Table A.1/62].

Unless otherwise specified the application related REFRESH tests sequences SEQ 1, SEQ 3, SEQ 4 and SEQ 6 require the MEs support the options "Support of Fixed dialing numbers" [Table A.1/45] and "Support of global phonebook" [Table A.1/65]. These sequences are application (CSIM) REFRESH commands and are therefore not applicable to MEs operating an R-UIM.

6.4.7.1.2   Conformance Requirement

CR1   The ME shall perform a CSIM initialization after the REFRESH command is executed.

CR2   The ME shall send an appropriate TERMINAL RESPONSE as given in the test procedure of the current sequence.

CR3   The ME shall not allow the user to set up a call to a phone number different from the ones stored in EF_{FDN} and that ME shall inform the user that the call set up is not allowed.

CR4   The ME shall allow the user to set up a call to a phone number stored in $EF_{FDN.}$

CR5   Verify that EF_{ADN} is updated after the REFRESH command is executed.

CR6   The ME shall indicate a CSIM application termination.

CR7   Verify that the ME terminates the CSIM application.

For test case sequences using a reference to [7] please see the conformance requirements given in section 27.22.4.7.1.2 of [7].

6.4.7.1.3   Test Purpose

The purpose of the test is to verify that the ME supports the REFRESH (Normal) command.

The support of this command shall be tested as defined in 27.22.4.7.1 of [7].

6.4.7.1.4   Method of Test

6.4.7.1.4.1   Initial Conditions

The common initial conditions as defined in section 2.1 apply.

1 EF$_{CSIM\_ST}$ (CSIM Service Table):

2 Coding in Hex:

FA	7E	00	9C	00	07	01	00

3 EF$_{ADN}$ (Abbreviated Dialing Number) '3F00/7F10/6F3A':

4 Logically:

5 Record 1:

6   Length of alpha identifier: 32 characters

7   Alpha identifier: "Changed"

8   Length of BCD number: '03'

9   TON and NPI: Telephony and Unknown

10   Dialed number: 123

11   CCI: None

12   Ext1:   None

13 Coding in Hex:

43	68	61	6E	67	65	64	FF	FF	FF	FF	FF	FF	FF	FF	FF
FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
03	81	21	F3	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF		

14 ## 6.4.7.1.4.2   Procedure

15 SEQ 1:   REFRESH, CSIM Initialization and Full File Change Notification

Step	Direction	Message/Action	Comments
1.	CS → ME	PROACTIVE COMMAND Pending: REFRESH	
2.	ME → CS	FETCH	
3.	CS → ME	PROACTIVE COMMAND: REFRESH	
4.	CS	EF$_{EST}$ contents states FDN enabled"	EF$_{EST}$ value: '01'
5.	CS	Update EF$_{FDN}$	EF$_{FDN}$ entry of Record 1 is updated to contain the dialing string '0123456789'
6.	ME → CS	Card Initialization	The CSIM initialization is executed including a send STATUS with P1 = '01' - Current application is initialized in the ME. [CR1]
7.	ME → CS	TERMINAL RESPONSE: REFRESH-A or REFRESH-B	A: 'normal ending of command' B: 'additional EFs read' [CR2]

Step	Direction	Message/Action	Comments
8.	CS → ME	PROACTIVE SESSION Ended	
9.	USER → ME	Call set up to '321'	
10.	ME → USER	Call setup not allowed	The ME shall inform the user that the call set up is not allowed. [CR3]
11.	USER → ME	Call set up to '0123456789'	
12.	ME → NS	Setup	The ME allows the user to set up a call to the stored BCD number '0123456789'. [CR4]

1 PROACTIVE COMMAND: REFRESH (Step 3):

2 Command details:

3   Command number: 1

4   Command type: REFRESH

5   Command qualifier: CSIM Initialization and Full File Change Notification

6   Device identities:

7   Source device: UICC

8   Destination device: ME

9 Coding in Hex:

D0	09	81	03	01	01	00	82	02	81	82

10 TERMINAL RESPONSE: REFRESH-A (Step 7):

11 Command details:

12   Command number: 1

13   Command type: REFRESH

14   Command qualifier: CSIM Initialization and Full file Change Notification

15   Device identities:

16   Source device: ME

17   Destination device: UICC

18   Result:

19   General Result: Command performed successfully

20 Coding in Hex:

81	03	01	01	00	82	02	82	81	83	01	00

21 TERMINAL RESPONSE: REFRESH-B (Step 7):

22 Command details:

23   Command number: 1

1   Command type: REFRESH

2   Command qualifier: CSIM Initialization and Full File Change Notification

3   Device identities:

4   Source device: ME

5   Destination device: UICC

6   Result:

7   General Result: REFRESH performed with additional EFs read

8   Coding in Hex:

81	03	01	01	00	82	02	82	81	83	01	03

9   SEQ 2: See section 27.22.4.7.1.4.2 of [7], Expected Sequence 1.2 (REFRESH, File
10   Change Notification)

11   SEQ 3: REFRESH, CSIM Initialization and File Change Notification

Step	Direction	Message/Action	Comments
1.	CS → ME	PROACTIVE COMMAND Pending: REFRESH	
2.	ME → CS	FETCH	
3.	CS → ME	PROACTIVE COMMAND: REFRESH	
4.	CS	Update EF_{ADN} in the global phonebook	EF_{ADN} entry 1 of the global phonebook to contain the new and previously unused alpha identifier "Changed"
5.	ME → CS	CSIM Initialization	The CSIM initialization is executed including a send STATUS with P1 = '01' - Current application is initialized in the terminal. [CR1]
6.	ME → CS	TERMINAL RESPONSE: REFRESH-A or REFRESH-B	A: 'normal ending of command' B: 'additional EFs read' [CR2]
7.	CS → ME	PROACTIVE SESSION Ended	
8.	USER → ME	Use an MMI dependent procedure to navigate to EF_{ADN} Record 1	This verifies that EF_{ADN} in the global phonebook has been read after issuing the REFRESH command. [CR5]
9.	ME → USER	The ME shall display the alpha identifier "Changed" for Record 1 of EF_{ADN} in the global phonebook	

12   PROACTIVE COMMAND: REFRESH (Step 3):

13   Command details:

1   Command number: 1

2   Command type: REFRESH

3   Command qualifier: CSIM Initialization and File Change Notification

4   Device identities:

5   Source device: UICC

6   Destination device: ME

7   File List:

8   File List: ADN in the Global Phonebook

9   Coding in Hex:

D0	12	81	03	01	01	02	82	02	81	82	82	Note 1

10 Note 1: Length and data of the file list TLV depend on the UICC configuration used in
11 this test. The global phonebook shall be used. The number of changed files shall be set
12 to '01'.

13 TERMINAL RESPONSE: REFRESH-A (Step 6):

14 Command details:

15   Command number: 1

16   Command type: REFRESH

17   Command qualifier: CSIM Initialization and File Change Notification

18   Device identities:

19   Source device: ME

20   Destination device: UICC

21   Result:

22   General Result: Command Performed Successfully

23 Coding in Hex:

81	03	01	01	02	82	02	82	81	83	01	00

24 TERMINAL RESPONSE: REFRESH-B (Step 6):

25 Command details:

26   Command number: 1

27   Command type: REFRESH

28   Command qualifier: CSIM Initialization and Full file Change Notification

29   Device identities:

30   Source device: ME

31   Destination device: UICC

32   Result:

1   General Result: REFRESH Performed with Additional EFs Read

2   Coding in Hex:

81	03	01	01	02	82	02	82	81	83	01	03

3   SEQ 4:   REFRESH, CSIM Initialization

Step	Direction	Message/Action	Comments
1.	CS → ME	PROACTIVE COMMAND Pending: REFRESH	
2.	ME → CS	FETCH	
3.	CS → ME	PROACTIVE COMMAND: REFRESH	
4.	CS	EF$_{EST}$ states FDN enabled	New EF$_{EST}$ value: '01'
5.	ME →CS	CSIM Initialization	The CSIM initialization is executed including a send STATUS with P1 = '01' - Current application is initialized in the terminal. [CR1]
6.	ME → CS	TERMINAL RESPONSE: REFRESH-A or REFRESH-B	TERMINAL RESPONSE REFRESH-A = 'normal ending of command'. [CR2] TERMINAL RESPONSE REFRESH-B = 'additional EFs read'. [CR2]
7.	CS → ME	PROACTIVE SESSION Ended	
8.	USER → ME	Call set up to '321'	
9.	ME → USER	Call setup not allowed	The ME shall inform the user that the call set up is not allowed. [CR3]
10.	USER → ME	Call set up to '123'	
11.	ME → NS	Setup	The ME allows the user to set up a call to the stored BCD number '123'. [CR4]

4   PROACTIVE COMMAND: REFRESH (Step 3):

5   Command details:

6   Command number: 1

7   Command type: REFRESH

8   Command qualifier: CSIM Initialization

9   Device identities:

10   Source device: UICC

11   Destination device: ME

12   File List:

13   File List: ADN in the Global Phonebook

6-40

1   Coding in Hex:

D0	09	81	03	01	01	03	82	02	81	82

2   TERMINAL RESPONSE: REFRESH-A (Step 6):

3   Command details:

4   Command number: 1

5   Command type: REFRESH

6   Command qualifier: CSIM Initialization

7   Device identities:

8   Source device: ME

9   Destination device: UICC

10   Result:

11   General Result: Command performed successfully

12   Coding in Hex:

81	03	01	01	03	82	02	82	81	83	01	00

13   TERMINAL RESPONSE: REFRESH-B (Step 6):

14   Command details:

15   Command number: 1

16   Command type: REFRESH

17   Command qualifier: CSIM Initialization

18   Device identities:

19   Source device: ME

20   Destination device: UICC

21   Result:

22   General Result: REFRESH Performed with Additional EFs Read

23   Coding in Hex:

81	03	01	01	03	82	02	82	81	83	01	03

24   SEQ 5:   See section 27.22.4.7.1.4.2 of (REFRESH, UICC Reset), Expected Sequence
25   1.5 (REFRESH, UICC Reset)

26   SEQ 6:   REFRESH, CSIM Application Reset

Step	Direction	Message/Action	Comments
1.	CS → ME	PROACTIVE COMMAND Pending: REFRESH	
2.	ME → CS	FETCH	

Step	Direction	Message/Action	Comments
3.	CS → ME	PROACTIVE COMMAND: REFRESH	No UICC reset shall be performed between step 3 and 9
4.	ME → CS	STATUS	STATUS with P1='02' indicates that the CSIM termination procedure is starting. [CR6]
5.	ME → CS	SELECT AID=CSIM	Application termination with P2 = '44' - Termination, Return FCP template or P2 = '4C' - Termination, No data returned. [CR7]
6.	CS	EF$_{EST}$ states FDN enabled	New EF$_{EST}$ value: '01'
7.	ME → CS	CSIM Initialization	The CSIM initialization is executed including a send STATUS with P1 = '01' - Current application is initialized in the terminal. [CR1]
8.	ME → CS	TERMINAL RESPONSE: REFRESH	TERMINAL RESPONSE REFRESH = 'normal ending of command'. [CR2]
9.	CS → ME	PROACTIVE SESSION Ended	
10.	USER → ME	Call set up to '321'	
11.	ME → USER	Call setup not allowed	The ME shall inform the user that the call set up is not allowed. [CR3]
12.	USER → ME	Call set up to '123'	
13.	ME → NS	Setup	The ME allows the user to set up a call to the stored BCD number '123'. [CR4]
14.	NS → ME	The NS sends the CONNECT message to the ME.	
15.	USER → ME	End Call	The user ends the call after a few seconds.

1 PROACTIVE COMMAND: REFRESH (Step 3):

2 Command details:

3 Command number: 1

4 Command type: REFRESH

5 Command qualifier: CSIM Application Reset

6 Device identities:

7 Source device: UICC

8 Destination device: ME

9 Coding in Hex:

D0	09	81	03	01	01	05	82	02	81	82

10 TERMINAL RESPONSE: REFRESH (Step 8):

11 Command details:

1   Command number: 1

2   Command type: REFRESH

3   Command qualifier: CSIM Application Reset

4   Device identities:

5   Source device: ME

6   Destination device: UICC

7   Result:

8   General Result: Command Performed Successfully

9   Coding in Hex:

81	03	01	01	05	82	02	82	81	83	01	00

10   6.4.7.1.5   Test Requirement

11   • The ME shall operate in the manner defined in SEQ 1 to SEQ 6.

12   • The ME shall perform the UICC initialization and/or re-reads the contents and
13   structure of the EFs on the UICC that have been changed and/or restarts the UICC
14   session by resetting.

15   • The ME successfully returns the result of the execution of the proactive UICC
16   command in the TERMINAL RESPONSE command sent to the UICC.

6.4.8   SET UP MENU and ENVELOPE MENU SELECTION

6.4.8.1   SET UP MENU (Normal and ENVELOPE MENU SELECTION)

6.4.8.1.1   Definition and Applicability

The ME shall support the SET UP MENU (Normal and ENVELOPE MENU SELECTION) command as defined in section 6.4.8 of [6].

This test case is applicable for all MEs supporting the options "ME supports display capability" [Table A.1/59] and "ME supports keypad" [Table A.1/60].

6.4.8.1.2   Conformance Requirement

See section 27.22.4.8.1.2 of [7].

6.4.8.1.3   Test Purpose

The purpose of the test is to verify that the ME supports the SET UP MENU command.

The support of this command shall be tested as defined in 27.22.4.8.1 of [7].

6.4.8.1.4   Method of Test

6.4.8.1.4.1   Initial Conditions

The common initial conditions as defined in section 2.1 apply.

6.4.8.1.4.2   Procedure

SEQ 1:   See section 27.22.4.8.1.4.2 of [7], Expected Sequence 1.1 (SET UP MENU and MENU SELECTION, without Help Request, Replace and Remove a Toolkit Menu)

SEQ 2:   See section 27.22.4.8.1.4.2 of [7], Expected Sequence 1.1 (SET UP MENU, Large Menu with Many Items or with Large Items or with Large Alpha Identifier)

6.4.8.1.5   Test Requirement

• The ME shall operate in the manner defined in SEQ 1 and SEQ 2.

• The ME shall integrate the menu items contained in the SET UP MENU command and then send a valid TERMINAL RESPONSE to the UICC.

• The ME shall replace the current list of menu items with the list of menu items contained in the SET UP MENU command

• The ME shall remove the current list of menu items following receipt of a SET UP MENU command with no items.

• The ME shall correctly pass the identifier of the selected menu item to the UICC using the ENVELOPE (MENU SELECTION) command.

6.4.8.2 SET UP MENU (Help Request Support and ENVELOPE MENU SELECTION)

6.4.8.2.1 Definition and Applicability

The ME shall support the SET UP MENU (Help Request Support and ENVELOPE MENU SELECTION) as defined in section 6.4.8 of [6].

This test case is applicable for all MEs supporting the options "ME supports display capability" [Table A.1/59], "ME supports keypad" [Table A.1/60] and "Help Information" [Table A.1/5].

6.4.8.2.2 Conformance Requirement

See section 27.22.4.8.2.2 of [7].

6.4.8.2.3 Test Purpose

The purpose of the test is to verify that the ME supports the SET UP MENU command.

The support of this command shall be tested as defined in 27.22.4.8.2 of [7].

6.4.8.2.4 Method of Test

6.4.8.2.4.1 Initial Conditions

The common initial conditions as defined in section 2.1 apply.

6.4.8.2.4.2 Procedure

SEQ 1: See section 27.22.4.8.2.4.2 of [7], Expected Sequence 2.1 (SET UP MENU and MENU SELECTION, with Help Request, Replace and Remove a Toolkit Menu)

6.4.8.2.5 Test Requirement

- The ME shall operate in the manner defined in SEQ 1.

- The ME shall integrate the menu items contained in the SET UP MENU command and then send a valid TERMINAL RESPONSE to the UICC.

- The ME shall correctly pass the identifier of the selected menu item to the R-UIM/UICC using the ENVELOPE (MENU SELECTION) command.

- The ME shall properly inform the UICC about an HELP REQUEST, using the MENU SELECTION mechanism, when the user has indicated the need to get help information on one of the items and the help is available for the command.

6.4.8.3 SET UP MENU (Next Action Support and ENVELOPE MENU SELECTION)

6.4.8.3.1 Definition and Applicability

The ME shall support the SET UP MENU (Next Action Support and ENVELOPE MENU SELECTION) command as defined in section 6.4.8 of [6].

This test case is applicable for all MEs supporting the options "ME supports display capability" [Table A.1/59] and "ME supports keypad" [Table A.1/60].

6.4.8.3.2   Conformance Requirement

See section 27.22.4.8.3.2 of [7].

6.4.8.3.3   Test Purpose

The purpose of the test is to verify that the ME supports the SET UP MENU command.

The support of this command shall be tested as defined in 27.22.4.8.3 of [7].

6.4.8.3.4   Method of Test

6.4.8.3.4.1   Initial Conditions

The common initial conditions as defined in section 2.1 apply.

6.4.8.3.4.2   Procedure

SEQ 1:   See section 27.22.4.8.3.4.2 of [7], Expected Sequence 3.1 (SET UP MENU, next action indicator "Send SM", "Set Up Call", "Launch Browser", "Provide Local Information", successful)

6.4.8.3.5   Test Requirement

- The ME shall operate in the manner defined in SEQ 1.

- The ME shall integrate the menu items contained in the SET UP MENU command and then send a valid TERMINAL RESPONSE to the UICC.

- The ME shall correctly pass the identifier of the selected menu item to the UICC using the ENVELOPE (MENU SELECTION) command.

- The ME shall support the next action indicator.

6.4.8.4   Reserved for SET UP MENU (DISPLAY of Icons and ENVELOPE MENU SELECTION)

6.4.8.5   SET UP MENU (Soft Keys Support and ENVELOPE MENU SELECTION)

6.4.8.5.1   Definition and Applicability

The ME shall support the SET UP MENU (Soft Keys Support and ENVELOPE MENU SELECTION) command as defined in section 6.4.8 of [6].

This test case is applicable for all MEs supporting the options "ME supports display capability" [Table A.1/59], "ME supports keypad" [Table A.1/60] and "Class D: Soft keys" [Table A.1/11].

6.4.8.5.2   Conformance Requirement

See section 27.22.4.8.5.2 of [7].

6.4.8.5.3   Test Purpose

The purpose of the test is to verify that the ME supports the SET UP MENU command.

1 The support of this command shall be tested as defined in 27.22.4.8.5 of [7].

6.4.8.5.4   Method of Test

6.4.8.5.4.1   Initial Conditions

The common initial conditions as defined in section 2.1 apply.

6.4.8.5.4.2   Procedure

SEQ 1:   See section 27.22.4.8.5.4.2 of [7], Expected Sequence 5.1 (SET UP MENU, SOFT KEY PREFERRED, successful)

6.4.8.5.5   Test Requirement

- The ME shall operate in the manner defined in SEQ 1.
- The ME shall integrate the menu items contained in the SET UP MENU command and then send a valid TERMINAL RESPONSE to the UICC.
- The ME shall correctly pass the identifier of the selected menu item to the UICC using the ENVELOPE (MENU SELECTION) command.
- The ME shall indicate the soft key preferred in the command details.

6.4.8.6   Reserved for SET UP MENU (Support of Text Attribute and ENVELOPE MENU SELECTION)

6.4.8.7   SET UP MENU (UCS2 Display in Cyrillic and ENVELOPE MENU SELECTION)

6.4.8.7.1   Definition and Applicability

The ME shall support the SET UP MENU (UCS2 Display in Cyrillic and ENVELOPE MENU SELECTION) command as defined in section 6.4.8 of [6].

This test case is applicable for all MEs supporting the options "ME supports display capability" [Table A.1/59], "ME supports keypad" [Table A.1/60], "UCS2 coding scheme for Display" [Table A.1/15] and "UCS2 in Cyrillic" [Table A.1/41].

6.4.8.7.2   Conformance Requirement

See section 27.22.4.8.7.2 of [7].

6.4.8.7.3   Test Purpose

The purpose of the test is to verify that the ME supports the SET UP MENU command.

The support of this command shall be tested as defined in 27.22.4.8.7 of [7].

6.4.8.7.4   Method of Test

6.4.8.7.4.1   Initial Conditions

The common initial conditions as defined in section 2.1 apply.

6.4.8.7.4.2   Procedure

SEQ 1:   See section 27.22.4.8.7.4.2 of [7], Expected Sequence 7.1 (SET UP MENU and MENU SELECTION, without Help Request, Replace and Remove a Toolkit Menu, with UCS2 in Cyrillic Characters)

6.4.8.7.5   Test Requirement

- The ME shall operate in the manner defined in SEQ 1.

- The ME shall integrate the menu items in UCS2 coding contained in the SET UP MENU command and then send a valid TERMINAL RESPONSE to the UICC.

- The ME shall replace the current list of menu items with the list of menu items contained in the SET UP MENU command.

- The ME shall remove the current list of menu items following receipt of a SET UP MENU command with no items.

- The ME shall correctly pass the identifier of the selected menu item to the UICC using the ENVELOPE (MENU SELECTION) command.

6.4.8.8   SET UP MENU (UCS2 Display in Chinese and ENVELOPE MENU SELECTION)

6.4.8.8.1   Definition and Applicability

The ME shall support the SET UP MENU (UCS2 Display in Chinese and ENVELOPE MENU SELECTION) command as defined in section 6.4.8 of [6].

This test case is applicable for all MEs supporting the options "ME supports display capability" [Table A.1/59], "ME supports keypad" [Table A.1/60], "UCS2 coding scheme for Display" [Table A.1/15] and "UCS2 in Chinese" [Table A.1/42].

6.4.8.8.2   Conformance Requirement

See section 27.22.4.8.8.2 of [7].

6.4.8.8.3   Test Purpose

The purpose of the test is to verify that the ME supports the SET UP MENU command.

The support of this command shall be tested as defined in 27.22.4.8.8 of [7].

6.4.8.8.4   Method of Test

6.4.8.8.4.1   Initial Conditions

The common initial conditions as defined in section 2.1 apply.

6.4.8.8.4.2   Procedure

SEQ 1:   See section 27.22.4.8.8.4.2 of [7], Expected Sequence 8.1 (SET UP MENU and MENU SELECTION, without Help Request, Replace and Remove a Toolkit Menu, with UCS2 - Chinese Characters)

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6.4.8.8.5   Test Requirement

- The ME shall operate in the manner defined in SEQ 1.

- The ME shall integrate the menu items in UCS2 coding contained in the SET UP MENU command and then send a valid TERMINAL RESPONSE to the UICC.

- The ME shall replace the current list of menu items with the list of menu items contained in the SET UP MENU command.

- The ME shall remove the current list of menu items following receipt of a SET UP MENU command with no items.

- The ME shall correctly pass the identifier of the selected menu item to the UICC using the ENVELOPE (MENU SELECTION) command.

6.4.8.9   SET UP MENU (UCS2 Display in Katakana and ENVELOPE MENU SELECTION

6.4.8.9.1   Definition and Applicability

The ME shall support the SET UP MENU (UCS2 Display in Katakana and ENVELOPE MENU SELECTION) command as defined in section 6.4.8 of [6].

This test case is applicable for all MEs supporting the options "ME supports display capability" [Table A.1/59],"ME supports keypad" [Table A.1/60], "UCS2 coding scheme for Display" [Table A.1/15] and "UCS2 in Katakana" [Table A.1/43].

6.4.8.9.2   Conformance Requirement

See section 27.22.4.8.9.2 of [7].

6.4.8.9.3   Test Purpose

The purpose of the test is to verify that the ME supports the SET UP MENU command.

The support of this command shall be tested as defined in 27.22.4.8.9 of [7].

6.4.8.9.4   Method of Test

6.4.8.9.4.1   Initial Conditions

The common initial conditions as defined in section 2.1 apply.

6.4.8.9.4.2   Procedure

SEQ 1:   See section 27.22.4.8.7.4.2 of [7], Expected Sequence 9.1 (SET UP MENU and MENU SELECTION, without Help Request, Replace and Remove a Toolkit Menu, with UCS2 in Katakana Characters)

6.4.8.9.5   Test Requirement

- The ME shall operate in the manner defined in SEQ 1.

- The ME shall integrate the menu items in UCS2 coding contained in the SET UP MENU command and then send a valid TERMINAL RESPONSE to the UICC.

1   • The ME shall replace the current list of menu items with the list of menu items
2   contained in the SET UP MENU command.

3   • The ME shall remove the current list of menu items following receipt of a SET UP
4   MENU command with no items.

5   • The ME shall correctly pass the identifier of the selected menu item to the UICC
6   using the ENVELOPE (MENU SELECTION) command.

6.4.9   SELECT ITEM

6.4.9.1   SELECT ITEM (Mandatory Features for Terminal Supporting SELECT ITEM)

6.4.9.1.1   Definition and Applicability

The ME shall support the mandatory features of the SELECT ITEM (Mandatory Features for Terminal Supporting SELECT ITEM) command as defined in section 6.4.9 of [6].

This test case is applicable for all MEs supporting the options "ME supports display capability" [Table A.1/59] and "ME supports keypad" [Table A.1/60].

6.4.9.1.2   Conformance Requirement

See section 27.22.4.9.1.2 of [7].

6.4.9.1.3   Test Purpose

The purpose of the test is to verify that the ME supports the mandatory features of the SELECT ITEM command.

The support of this command shall be tested as defined in 27.22.4.9.1 of [7].

6.4.9.1.4   Method of Test

6.4.9.1.4.1   Initial Conditions

The common initial conditions as defined in section 2.1 apply.

6.4.9.1.4.2   Procedure

SEQ 1:   See section 27.22.4.9.1.4.2 of [7], Expected Sequence 1.1 (SELECT ITEM, mandatory features, successful)

SEQ 2:   See section 27.22.4.9.1.4.2 of [7], Expected Sequence 1.2 (SELECT ITEM, large menu, successful)

SEQ 3:   See section 27.22.4.9.1.4.2 of [7], Expected Sequence 1.3 (SELECT ITEM, call options, successful)

SEQ 4:   See section 27.22.4.9.1.4.2 of [7], Expected Sequence 1.4 (SELECT ITEM, backward move by user, successful)

SEQ 5:   See section 27.22.4.9.1.4.2 of [7], Expected Sequence 1.5 (SELECT ITEM, "Y", successful)

SEQ 6:   See section 27.22.4.9.1.4.2 of [7], Expected Sequence 1.6 (SELECT ITEM, Large menu, successful)

6.4.9.1.5   Test Requirement

- The ME shall operate in the manner defined in SEQ 1 to SEQ 6.

- The ME shall correctly presents the set of items contained in the proactive SELECT ITEM command, and returns a TERMINAL RESPONSE command to the UICC with the identifier of the item chosen.

- The ME shall allow a PROACTIVE COMMAND: SELECT ITEM within the maximum 255-byte BER-TLV boundary.

- The ME shall return 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.

- The ME shall return 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.

6.4.9.2 SELECT ITEM (Next Action Support)

6.4.9.2.1 Definition and Applicability

The ME shall support the SELECT ITEM (Next Action Support) command as defined in section 6.4.9 of [6].

This test case is applicable for MEs supporting the options "ME supports display capability" [Table A.1/59] and "ME supports keypad" [Table A.1/60].

6.4.9.2.2 Conformance Requirement

See section 27.22.4.9.2.2 of [7].

6.4.9.2.3 Test Purpose

The purpose of the test is to verify that the ME supports the "Next Action" function of the SELECT ITEM command.

The support of this command shall be tested as defined in 27.22.4.9.2 of [7].

6.4.9.2.4 Method of Test

6.4.9.2.4.1 Initial Conditions

The common initial conditions as defined in section 2.1 apply.

6.4.9.2.4.2 Procedure

SEQ 1: See section 27.22.4.9.2.4.2 of [7], Expected Sequence 2.1 (SELECT ITEM, next action indicator, successful)

6.4.9.2.5 Test Requirement

- The ME shall operate in the manner defined in SEQ 1.

- The ME shall correctly presents the set of items contained in the proactive SELECT ITEM command, and returns a TERMINAL RESPONSE command to the UICC with the identifier of the item chosen.

- The ME shall support the next action indicator mode.

6.4.9.3   SELECT ITEM (Default Item Support)

6.4.9.3.1   Definition and Applicability

The ME shall support the SELECT ITEM (Default Item Support) command as defined in section 6.4.9 of [6].

This test case is applicable for all MEs supporting the options "ME supports display capability" [Table A.1/59], "ME supports keypad" [Table A.1/60], "Class D: Soft keys" [Table A.1/11] and "Terminal supports selection of default item in SELECT ITEM" [Table A.1/66].

6.4.9.3.2   Conformance Requirement

See section 27.22.4.9.3.2 of [7].

6.4.9.3.3   Test Purpose

The purpose of the test is to verify that the ME supports the "Default Item" mode of the SELECT ITEM command.

The support of this command shall be tested as defined in 27.22.4.9.3 of [7].

6.4.9.3.4   Method of Test

6.4.9.3.4.1   Initial Conditions

The common initial conditions as defined in section 2.1 apply.

6.4.9.3.4.2   Procedure

SEQ 1:   See section 27.22.4.9.3.4.2 of [7], Expected Sequence 3.1 (SELECT ITEM, default item, successful)

6.4.9.3.5   Test Requirement

- The ME shall operate in the manner defined in SEQ 1.

- The ME shall correctly presents the set of items contained in the proactive SELECT ITEM command, and returns a TERMINAL RESPONSE command to the UICC with the identifier of the item chosen.

- The ME shall support the "default item" mode of the PROACTIVE COMMAND: SELECT ITEM.

6.4.9.4   SELECT ITEM (Help Request Support)

6.4.9.4.1   Definition and Applicability

The ME shall support the SELECT ITEM (Help Request Support) command as defined in section 6.4.9 of [6].

This test case is applicable for all MEs supporting the options "ME supports display capability" [Table A.1/59], "ME supports keypad" [Table A.1/60] and "Help Information" [Table A.1/5].

6.4.9.4.2   Conformance Requirement

See section 27.22.4.9.4.2 of [7].

6.4.9.4.3   Test Purpose

The purpose of the test is to verify that the ME supports the "Help information" option of the SELECT ITEM command.

The support of this command shall be tested as defined in 27.22.4.9.4 of [7].

6.4.9.4.4   Method of Test

6.4.9.4.4.1   Initial Conditions

The common initial conditions as defined in section 2.1 apply.

6.4.9.4.4.2   Procedure

SEQ 1:   See section 27.22.4.9.4.4.2 of [7], Expected Sequence 4.1 (SELECT ITEM, help request, successful)

6.4.9.4.5   Test Requirement

- The ME shall operate in the manner defined in SEQ 1.

- The ME shall support the "help information" request for the command SELECT ITEM.

6.4.9.5   Reserved for SELECT ITEM (Icon Support)

6.4.9.6   SELECT ITEM (Presentation Style)

6.4.9.6.1   Definition and Applicability

The ME shall support the SELECT ITEM (Presentation Style) command as defined in section 6.4.9 of [6].

This test case is applicable for all MEs supporting the options "ME supports display capability" [Table A.1/59] and "ME supports keypad" [Table A.1/60].

6.4.9.6.2   Conformance Requirement

See section 27.22.4.9.6.2 of [7].

6.4.9.6.3   Test Purpose

The purpose of the test is to verify that the ME supports the "Presentation Style" mode of the SELECT ITEM command.

The support of this command shall be tested as defined in 27.22.4.9.6 of [7].

1 ## 6.4.9.6.4   Method of Test

2 ### 6.4.9.6.4.1   Initial Conditions

3 The common initial conditions as defined in section 2.1 apply.

4 ### 6.4.9.6.4.2   Procedure

5 SEQ 1:   See section 27.22.4.9.6.4.2 of [7], Expected Sequence 6.1 (SELECT ITEM,
6 PRESENTATION AS A CHOICE OF NAVIGATION OPTIONS, successful)

7 SEQ 2:   See section 27.22.4.9.6.4.2 of [7], Expected Sequence 6.2 (SELECT ITEM,
8 PRESENTATION AS A CHOICE OF DATA VALUES, successful)

9 ## 6.4.9.6.5   Test Requirement

10 - The ME shall operate in the manner defined in SEQ 1 and SEQ 2.

11 - The ME shall support the "presentation style" with the SELECT ITEM command.

12 # 6.4.9.7   SELECT ITEM (Soft Keys Support)

13 ## 6.4.9.7.1   Definition and Applicability

14 The ME shall support the SELECT ITEM (Soft Keys Support) command as defined in
15 section 6.4.9 of [6].

16 This test case is applicable for all MEs supporting the options "ME supports display
17 capability" [Table A.1/59], "ME supports keypad" [Table A.1/60] and "Class D: Soft
18 keys" [Table A.1/11].

19 ## 6.4.9.7.2   Conformance Requirement

20 See section 27.22.4.9.7.2 of [7].

21 ## 6.4.9.7.3   Test Purpose

22 The purpose of the test is to verify that the ME supports the "soft keys" option with the
23 SELECT ITEM command.

24 The support of this command shall be tested as defined in 27.22.4.9.7 of [7].

25 ## 6.4.9.7.4   Method of Test

26 ### 6.4.9.7.4.1   Initial Conditions

27 The common initial conditions as defined in section 2.1 apply.

28 ### 6.4.9.7.4.2   Procedure

29 SEQ 1:   See section 27.22.4.9.7.4.2 of [7], Expected Sequence 7.1 (SELECT ITEM,
30 SELECTING USING SOFT KEYS PREFERRED, successful)

31 ## 6.4.9.7.5   Test Requirement

32 - The ME shall operate in the manner defined in SEQ 1.

1 • The ME shall support the "soft keys" option with the SELECT ITEM command.

6.4.9.8   SELECT ITEM (Support of "No response from user")

6.4.9.8.1   Definition and Applicability

The ME shall support the SELECT ITEM (Support of "No response from user") command as defined in section 6.4.9 of [6].

This test case is applicable for all MEs supporting the options "ME supports display capability" [Table A.1/59], "ME supports keypad" [Table A.1/60] and "Mobile decision to respond with "No response from user" in finite time" [Table A.1/20].

6.4.9.8.2   Conformance Requirement

See section 27.22.4.9.8.2 of [7].

6.4.9.8.3   Test Purpose

The purpose of the test is to verify that the ME supports "No response from user" option with the SELECT ITEM command.

The support of this command shall be tested as defined in 27.22.4.9.8 of [7].

6.4.9.8.4   Method of Test

6.4.9.8.4.1   Initial Conditions

The common initial conditions as defined in section 2.1 apply.

6.4.9.8.4.2   Procedure

SEQ 1:   See section 27.22.4.9.8.4.2 of [7], Expected Sequence 8.1 (SELECT ITEM, no response from user)

6.4.9.8.5   Test Requirement

• The ME shall operate in the manner defined in SEQ 1.

• The ME shall return a "No response from user" result value in the TERMINAL RESPONSE after a period of user inactivity.

6.4.9.9   Reserved for SELECT ITEM (Support of Text Attribute)

6.4.9.10 SELECT ITEM (UCS2 Display in Cyrillic)

6.4.9.10.1   Definition and Applicability

The ME shall support the SELECT ITEM (UCS2 Display in Cyrillic) command as defined in section 6.4.9 of [6].

This test case is applicable for all MEs supporting the options "ME supports display capability" [Table A.1/59], "ME supports keypad" [Table A.1/60], "UCS2 coding scheme for Display" [Table A.1/15] and "UCS2 in Cyrillic" [Table A.1/41].

6.4.9.10.2   Conformance Requirement

See section 27.22.4.9.10.2 of [7].

6.4.9.10.3   Test Purpose

The purpose of the test is to verify that the ME supports the SELECT ITEM command if UCS2 coding in Cyrillic is used.

The support of this command shall be tested as defined in 27.22.4.9.10 of [7].

6.4.9.10.4   Method of Test

6.4.9.10.4.1   Initial Conditions

The common initial conditions as defined in section 2.1 apply.

6.4.9.10.4.2   Procedure

SEQ 1:   See section 27.22.4.9.10.4.2 of [7], Expected Sequence 10.1 (SELECT ITEM with UCS2 in Cyrillic characters, 0x80 UCS2 coding, successful)

SEQ 2:   See section 27.22.4.9.10.4.2 of [7], Expected Sequence 10.2 (SELECT ITEM with UCS2 in Cyrillic characters, 0x81 UCS2 coding, successful)

SEQ 3:   See section 27.22.4.9.10.4.2 of [7], Expected Sequence 10.3 (SELECT ITEM with UCS2 in Cyrillic characters, 0x82 UCS2 coding, successful)

6.4.9.10.5   Test Requirement

- The ME shall operate in the manner defined in SEQ 1, SEQ 2, and SEQ 3.

- The ME shall correctly presents the set of items in UCS2 coding contained in the SELECT ITEM command, and returns a TERMINAL RESPONSE command to the UICC with the identifier of the item chosen.

6.4.9.11 SELECT ITEM (UCS2 Display in Chinese)

6.4.9.11.1   Definition and Applicability

The ME shall support the SELECT ITEM (UCS2 Display in Chinese) command as defined in section 6.4.9 of [6].

This test case is applicable for all MEs supporting the options "ME supports display capability" [Table A.1/59], "ME supports keypad" [Table A.1/60], "UCS2 coding scheme for Display" [Table A.1/15] and "UCS2 in Chinese" [Table A.1/42].

6.4.9.11.2   Conformance Requirement

See section 27.22.4.9.11.2 of [7].

6.4.9.11.3   Test Purpose

The purpose of the test is to verify that the ME supports the SELECT ITEM command if UCS2 coding in Chinese is used.

The support of this command shall be tested as defined in 27.22.4.9.11 of [7].

1 ### 6.4.9.11.4   Method of Test

2 ### 6.4.9.11.4.1   Initial Conditions

3 The common initial conditions as defined in section 2.1 apply.

4 ### 6.4.9.11.4.2   Procedure

5 SEQ 1:   See section 27.22.4.9.11.4.2 of [7], Expected Sequence 11.1 (SELECT ITEM
6 with UCS2 in Chinese Characters, successful)

7 ### 6.4.9.11.5   Test Requirement

8 • The ME shall operate in the manner defined in SEQ 1.

9 • The ME shall correctly presents the set of items in UCS2 coding contained in the
10 SELECT ITEM command, and returns a TERMINAL RESPONSE command to the
11 UICC with the identifier of the item chosen.

12 ## 6.4.9.12 SELECT ITEM (UCS2 Display in Katakana)

13 ### 6.4.9.12.1   Definition and Applicability

14 The ME shall support the SELECT ITEM (UCS2 Display in Katakana) command as
15 defined in section 6.4.9 of [6].

16 This test case is applicable for all MEs supporting the options "ME supports display
17 capability" [Table A.1/59], "ME supports keypad" [Table A.1/60], "UCS2 coding
18 scheme for Display" [Table A.1/15] and "UCS2 in Katakana" [Table A.1/43].

19 ### 6.4.9.12.2   Conformance Requirement

20 See section 27.22.4.9.12.2 of [7].

21 ### 6.4.9.12.3   Test Purpose

22 The purpose of the test is to verify that the ME supports the SELECT ITEM command
23 if UCS2 coding in Katakana is used.

24 The support of this command shall be tested as defined in 27.22.4.9.12 of [7].

25 ### 6.4.9.12.4   Method of Test

26 ### 6.4.9.12.4.1   Initial Conditions

27 The common initial conditions as defined in section 2.1 apply.

28 ### 6.4.9.12.4.2   Procedure

29 SEQ 1:   See section 27.22.4.9.12.4.2 of [7], Expected Sequence 12.1 (SELECT ITEM
30 with UCS2 in Katakana characters, 0x80 UCS2 coding, successful)
31 SEQ 2:   See section 27.22.4.9.12.4.2 of [7], Expected Sequence 12.2 (SELECT ITEM
32 with UCS2 in Katakana characters, 0x81 UCS2 coding, successful)
33 SEQ 3:   See section 27.22.4.9.12.4.2 of [7], Expected Sequence 12.3 (SELECT ITEM
34 with UCS2 in Katakana characters, 0x82 UCS2 coding, successful)

1 ## 6.4.9.12.5   Test Requirement

2 • The ME shall operate in the manner defined in SEQ 1, SEQ 2, and SEQ 3.

3 • The ME shall correctly presents the set of items in UCS2 coding contained in the
4   SELECT ITEM command, and returns a TERMINAL RESPONSE command to the
5   UICC with the identifier of the item chosen.

1   6.4.10   SEND SHORT MESSAGE

2   6.4.10.1 SEND SHORT MESSAGE (packing not required)

3   6.4.10.1.1   Definition and Applicability

4 The ME shall support the SEND SHORT MESSAGE (packing not required) command
5 as defined in section 6.4.10 of [1].

6 This test case is applicable for all MEs supporting CDMA Card Application Toolkit
7 enabled UICCs. It is optional for MEs not supporting the option "ME supports display
8 capability" [Table A.1/59]. In case such an ME is tested the display or the non-display
9 of any alpha identifier, text string or icon shall be treated as successfully verified.

10   6.4.10.1.2   Conformance Requirement

11 CR1   The ME transparently passes the CDMA SMS TPDU parameters set in the
12   SEND SHORT MESSAGE proactive command and send the short message to
13   the network in an SMS Submit message.

14 CR2   If the alpha identifier is present and it is not a null object in the SEND
15   SHORT MESSAGE proactive command, the ME shall display the alpha
16   identifier information.

17 CR3   If the command details indicate "packing not required" in the SEND SHORT
18   MESSAGE proactive command, the ME shall pass the text string given by the
19   UICC transparently to the network.

20 CR4   The ME sends the TERMINAL RESPONSE after receiving the SMS
21   Acknowledgement Message from the network.

22   6.4.10.1.3   Test Purpose

23 The purpose of the tests is to verify that the ME correctly formats and sends a short
24 message to the CDMA network simulator (NS) as indicated in the SEND SHORT
25 MESSAGE proactive UICC command, and returns a TERMINAL RESPONSE command
26 to the UICC indicating the status of the transmission of the Short Message.

27   6.4.10.1.4   Method of Test

28   6.4.10.1.4.1   Initial Conditions

29 The common initial conditions as defined in section 2.1 apply.

30   6.4.10.1.4.2   Procedure

31 SEQ 1:   SEND SHORT MESSAGE, octet unspecified, successful

Step	Direction	Message/Action	Comments
1.	CS → ME	PROACTIVE COMMAND Pending: SEND SHORT MESSAGE	
2.	ME → CS	FETCH	

Step	Direction	Message/Action	Comments
3.	CS → ME	PROACTIVE COMMAND: SEND SHORT MESSAGE-1	
4.	ME → USER	Display "Send SM"	ME displays the Alpha Identifier = "Send SM" [CR2]
5.	ME → NS	Data Burst Message (CDMA SMS TPDU)	The Data Burst Message contains the "CDMA SMS TPDU" parameters [CR1/CR3]
6.	NS → ME	Data Burst Message (SMS Acknowledgement)	The Data Burst contains the SMS Acknowledgement]
7.	ME → CS	TERMINAL RESPONSE: SEND SHORT MESSAGE-1	Command performed successfully [CR4]

1   PROACTIVE COMMAND: SEND SHORT MESSAGE-1 (Step 3):

2   Command details:

3   Command number: 1

4   Command type: SEND SHORT MESSAGE

5   Command qualifier: packing not required

6   Alpha identifier: "Send SM"

7   Device identities:

8   Source device: UICC

9   Destination device: Network

10   CDMA SMS TPDU:

11   See coding in CDMA SMS TPDU (Step 5)

12   Coding in Hex:

D0	3B	81	03	01	13	00	82	02	81	83	85	07	53	65	6E
64	20	53	4D	48	27	00	00	02	10	02	04	06	42	26	21
A2	09	00	06	01	00	08	15	00	03	20	00	00	01	0E	00
62	A3	2B	9B	A1	02	6B	2B	9B	9B	0B	3B	28			

13   CDMA SMS TPDU (Step 5):

14   Command details:

15   SMS_MSG_TYPE: '00' SMS Point-to-Point

16   PARAMETER_ID: '00' Teleservice Identifier

17   PARAMETER_LEN: '02'

18   IDENTIFIER: '10 02' CDMA Cellular Messaging Teleservice

19   Address Parameters:

20   PARAMETER_ID: '04' Destination Address

21   PARAMETER_LEN: '06'

1 2	DIGIT_MODE:	'0' Using the binary representation of the DTMF digits
3	NUMBER_MODE:	'1' Using data networks address formats
4	NUMBER_FIELDS:	'08' Number of digits in this parameter
5	CHARi:	'98 86 88 24' Address digits
6	RESERVED:	'000000'
7	Bearer Reply Option:	
8	PARAMETER_ID:	'06' Bearer Reply Option
9	PARAMETER_LEN:	'01'
10	REPLY_SEQ:	'000000'
11	RESERVED:	'00'
12	PARAMETER_ID:	'08' Bearer Data
13	PARAMETER_LEN:	'15'
14	SUBPARAMETER_ID:	'00' Message Identifier
15	SUBPARAMETER_LEN:	'03'
16	MESSAGE_TYPE:	'0010' Submit (mobile-originated only)
17	MESSAGE_ID:	'00 00'
18 19	HEADER_IND:	'0' User Data Parameter doesn't include the user data header
20	RESERVED:	'000'
21	User Data:	
22	SUBPARAMETER_ID:	'01' User Data
23	SUBPARAMETER_LEN:	'0E'
24	MSG_ENCODING:	'00000' Octet, Unspecified
25	NUM_FIELDS:	'0C'
26	CHARi:	"Test Message" Characters
27	RESERVED:	'000'

28 Coding in Hex:

48	27	00	00	02	10	02	04	06	42	26	21	A2	09	00	06
01	00	08	15	00	03	20	00	00	01	0E	00	62	A3	2B	9B
A1	02	6B	2B	9B	9B	0B	3B	28							

29 TERMINAL RESPONSE: SEND SHORT MESSAGE-1 (Step 5):

30 Command details:

31	Command number:	1
32	Command type:	SEND SHORT MESSAGE

1   Command qualifier: packing not required

2   Alpha identifier:

3   Alpha identifier: "Send SM"

4   Device identities:

5   Source device: ME

6   Destination device: UICC

7   Result:

8   General Result: Command performed successfully

9   Coding in Hex:

81	03	01	13	00	82	02	82	81	83	01	00

10   SEQ 2:   SEND SHORT MESSAGE, packing not required, GSM 7-bit default alphabet,
11   successful

Step	Direction	Message/Action	Comments
1.	CS → ME	PROACTIVE COMMAND Pending: SEND SHORT MESSAGE	
2.	ME → CS	FETCH	
3.	CS → ME	PROACTIVE COMMAND: SEND SHORT MESSAGE-2	Packing not required, GSM 7-bit default alphabet
4.	ME → USER	Display "Send SM"	ME displays the Alpha Identifier = "Send SM" [CR2]
5.	ME → NS	Data Burst Message (CDMA SMS TPDU)	The Data Burst Message contains the "CDMA SMS TPDU" parameters [CR1/CR3]
6.	NS → ME	Data Burst Message (SMS Acknowledgement)	The Data Burst contains the SMS Acknowledgement]
7.	ME → CS	TERMINAL RESPONSE: SEND SHORT MESSAGE-2	Command performed successfully [CR4]

12   PROACTIVE COMMAND: SEND SHORT MESSAGE-2 (Step 3):

13   Command details:

14   Command number: 1

15   Command type: SEND SHORT MESSAGE

16   Command qualifier: packing not required

17   Device identities:

18   Source device: UICC

19   Destination device: Network

20   Alpha identifier:

21   Alpha identifier: "Send SM"

1   CDMA SMS TPDU:

2   See coding in CDMA SMS TPDU (Step 5)

3   Coding in Hex:

D0	33	81	03	01	13	00	82	02	81	83	85	07	53	65	6E
64	20	53	4D	48	1F	00	00	02	10	02	04	06	42	26	21
A2	09	00	06	01	00	08	0D	00	03	20	00	00	01	06	48
25	4C	BC	FA	00											

4   CDMA SMS TPDU (Step 5):

5   Command details:

6   SMS_MSG_TYPE   '00' SMS Point-to-Point

7   PARAMETER_ID   '00' Teleservice Identifier

8   PARAMETER_LEN   '02'

9   IDENTIFIER   '10 02' CDMA Cellular Messaging Teleservice

10 Address Parameters:

11   PARAMETER_ID   '04' Destination Address

12   PARAMETER_LEN   '06'

13   DIGIT_MODE '0' Using the binary
14   representation of the DTMF digits

15   NUMBER_MODE   '0' Using data networks address formats

16   NUMBER_FIELDS   '08'

17   CHARi   '98 86 88 24' Address digits

18   RESERVED   '000000'

19 Bearer Reply Option:

20   PARAMETER_ID   '06' Bearer Reply Option

21   PARAMETER_LEN   '01'

22   REPLY_SEQ   '000000'

23   RESERVED   '00'

24   PARAMETER_ID   '08' Bearer Data

25   PARAMETER_LEN   '0D'

26   SUBPARAMETER_ID   '00 00' Message Identifier

27   SUBPARAMETER_LEN   '03'

28   MESSAGE_TYPE   '0010' Submit (mobile-originated only)

29   MESSAGE_ID   '00 00'

30   HEADER_IND   '0' User Data Parameter doesn't include the User
31   Data Header

1   RESERVED   '000'

2   User Data:

3   SUBPARAMETER_ID   '01' User Data

4   SUBPARAMETER_LEN   '06' Subparameter length

5   MSG_ENCODING   '01001' GSM 7-bit default alphabet

6   NUM_FIELDS   '04'

7   CHARi   "Test" Characters

8   RESERVED   '0000000'

9   Coding in Hex:

48	1F	00	00	02	10	02	04	06	42	26	21	A2	09	00	06
01	00	08	0D	00	03	20	00	00	01	06	48	25	4C	BC	FA
00															

10   TERMINAL RESPONSE: SEND SHORT MESSAGE (Step 7)

11   Command details:

12   Command number: 1

13   Command type: SEND SHORT MESSAGE

14   Command qualifier: packing not required

15   Device identities:

16   Source device: ME

17   Destination device: UICC

18   Result:

19   General Result: Command performed successfully

20   Coding in Hex:

81	03	01	13	00	82	02	82	81	83	01	00

21 ## 6.4.10.1.5 Test Requirement

22   • The ME shall operate in the manner defined in SEQ 1 and SEQ 2.

23 ## 6.4.10.2 SEND SHORT MESSAGE (Packed)

24 ### 6.4.10.2.1 Definition and Applicability

25 The ME shall support the SEND SHORT MESSAGE (packing required) command as
26 defined in section 6.4.10 of [1].

27 This test case is applicable for all MEs supporting CDMA Card Application Toolkit
28 enabled UICCs. It is optional for MEs not supporting the option "ME supports display
29 capability" [Table A.1/59]. In such case an ME is tested the display or the non-display
30 of any alpha identifier, text string or icon shall be treated as successfully verified.

1 6.4.10.2.2   Conformance Requirement

2 CR1   The ME transparently passes the CDMA SMS TPDU parameters set in the
3   SEND SHORT MESSAGE proactive command and send the short message to
4   the network in an SMS Submit message.

5 CR2   If the alpha identifier is present and it is not a null object in the SEND
6   SHORT MESSAGE proactive command, the ME shall display the alpha
7   identifier information.

8 CR3   If the command details indicate "packing is required" in the SEND SHORT
9   MESSAGE proactive command, the ME shall pack the text string before
10   submitting the message to the network.

11 CR4   The ME sends the TERMINAL RESPONSE after receiving the SMS
12   Acknowledgement Message from the network.

13 6.4.10.2.3   Test Purpose

14 To verify that the ME correctly formats and sends a short message to the CDMA
15 network simulator (NS) as indicated in the SEND SHORT MESSAGE proactive UICC
16 command, and returns a TERMINAL RESPONSE command to the UICC indicating the
17 status of the transmission of the Short Message.

18 6.4.10.2.4   Method of Test

19 6.4.10.2.4.1   Initial Conditions

20 The common initial conditions as defined in section 2.1 apply.

21 6.4.10.2.4.2   Procedure

22 SEQ 1:   SEND SHORT MESSAGE, packing required, 8-bit unspecified, successful

Step	Direction	Message/Action	Comments
1.	CS → ME	PROACTIVE COMMAND Pending: SEND SHORT MESSAGE	
2.	ME → CS	FETCH	
3.	CS → ME	PROACTIVE COMMAND: SEND SHORT MESSAGE	packing required, 8-bits unspecified
4.	ME → USER	Display "Send SM"	ME displays the Alpha Identifier = "Send SM" [CR2]
5.	ME → NS	Data Burst Message (CDMA SMS TPDU)	The Data Burst Message contains the "CDMA SMS TPDU" parameters [CR1/CR6]
6.	NS → ME	Data Burst Message (SMS Acknowledgement)	The Data Burst contains the SMS Acknowledgement]
7.	ME → CS	TERMINAL RESPONSE: SEND SHORT MESSAGE	Command performed successfully [CR7]

23 PROACTIVE COMMAND: SEND SHORT MESSAGE (Step 3):

24 Command details:

25 Command number: 1

1   Command type: SEND SHORT MESSAGE

2   Command qualifier: packing required

3   Device identities:

4   Source device: UICC

5   Destination device: Network

6   Alpha identifier:

7   Alpha identifier: "Send SM"

8   CDMA SMS TPDU:

9   See the CDMA SMS TPDU (Step 5) of section 6.4.10.1.4.2 sequence SEQ 1.

10   Coding in Hex:

D0	3B	81	03	01	13	01	82	02	81	83	85	07	53	65	6E
64	20	53	4D	48	27	00	00	02	10	02	04	06	42	26	21
A2	09	00	06	01	00	08	15	00	03	20	00	00	01	0E	00
62	A3	2B	9B	A1	02	6B	2B	9B	9B	0B	3B	28			

11   TERMINAL RESPONSE: SEND SHORT MESSAGE (Step 7)

12   Command details:

13   Command number: 1

14   Command type: SEND SHORT MESSAGE

15   Command qualifier: packing required

16   Device identities:

17   Source device: ME

18   Destination device: UICC

19   Result:

20   General Result: Command performed successfully

21   Coding in Hex:

81	03	01	13	01	82	02	82	81	83	01	00

22 ## 6.4.10.2.5   Test Requirement

23   • The ME shall operate in the manner defined in SEQ 1.

24 # 6.4.10.3 SEND SHORT MESSAGE (UCS2 Display in Cyrillic)

25 ## 6.4.10.3.1   Definition and Applicability

26 The ME shall support the SEND SHORT MESSAGE (UCS2 Display in Cyrillic)
27 command as defined in section 6.4.10 of [6].

28 The test sequences of this test case are not applicable for MEs not supporting the
29 options "UCS2 coding scheme for Display" [Table A.1/15] and "UCS2 in Cyrillic" [Table
30 A.1/41].

6.4.10.3.2   Conformance Requirement

See section 27.22.4.10.2.2 of [7].

6.4.10.3.3   Test Purpose

The purpose of the test is to verify that the ME supports the Proactive UICC: SEND SHORT MESSAGE facility if UCS2 coding in Cyrillic is used.

The support of this command shall be tested as defined in 27.22.4.10.2 of [7].

6.4.10.3.4   Method of Test

6.4.10.3.4.1   Initial Conditions

The common initial conditions as defined in section 2.1 apply.

6.4.10.3.4.2   Procedure

SEQ 1:   See section 27.22.4.10.2.4.2 of [7], Expected Sequence 2.1 (SEND SHORT MESSAGE, packing not required, UCS2 (16-bit data in Cyrillic))

6.4.10.3.5   Test Requirement

- The ME shall operate in the manner defined in SEQ 1.

- The ME shall correctly format and send a short message to the network (NS) as indicated in the SEND SHORT MESSAGE proactive CARD command, and returns a TERMINAL RESPONSE command to the UICC indicating the status of the transmission of the Short Message.

6.4.10.4 Reserved for SEND SHORT MESSAGE (Icon Support)

6.4.10.5 Reserved for SEND SHORT MESSAGE (Support of Text Attribute)

6.4.10.6 SEND SHORT MESSAGE (UCS2 Display in Chinese)

6.4.10.6.1   Definition and Applicability

The ME shall support the SEND SHORT MESSAGE (UCS2 Display in Chinese) command as defined in section 6.4.10 of [6].

The test sequences of this test case are not applicable for MEs not supporting the options "UCS2 coding scheme for Display" [Table A.1/15] and "UCS2 in Chinese" [Table A.1/42].

6.4.10.6.2   Conformance Requirement

See section 27.22.4.10.5.2 of [7].

6.4.10.6.3   Test Purpose

The purpose of the test is to verify that the ME supports the Proactive UICC: SEND SHORT MESSAGE facility if UCS2 coding in Chinese is used.

1   The support of this command shall be tested as defined in 27.22.4.10.5 of [7].

2 ### 6.4.10.6.4   Method of Test

3 ### 6.4.10.6.4.1   Initial Conditions

4   The common initial conditions as defined in section 2.1 apply.

5 ### 6.4.10.6.4.2   Procedure

6   SEQ 1:   See section 27.22.4.10.5.4.2 of [7], Expected Sequence 5.1 (SEND SHORT
7   MESSAGE, packing not required, UCS2 (16-bit data in Chinese))

8 ### 6.4.10.6.5   Test Requirement

9   • The ME shall operate in the manner defined in SEQ 1.

10   • The ME shall correctly format and send a short message to the network (NS) as
11   indicated in the SEND SHORT MESSAGE proactive UICC command, and returns a
12   TERMINAL RESPONSE command to the UICC indicating the status of the
13   transmission of the Short Message.

14 ## 6.4.10.7   SEND SHORT MESSAGE (UCS2 Display in Katakana)

15 ### 6.4.10.7.1   Definition and Applicability

16   The ME shall support the SEND SHORT MESSAGE (UCS2 Display in Katakana)
17   command as defined in section 6.4.10 of [6].

18   The test sequences of this test case are not applicable for MEs not supporting the
19   options "UCS2 coding scheme for Display" [Table A.1/15] and "UCS2 in Katakana"
20   [Table A.1/43].

21 ### 6.4.10.7.2   Conformance Requirement

22   See section 27.22.4.10.6.2 of [7].

23 ### 6.4.10.7.3   Test Purpose

24   The purpose of the test is to verify that the ME supports the Proactive UICC: SEND
25   SHORT MESSAGE facility if UCS2 coding in Katakana is used.

26   The support of this command shall be tested as defined in 27.22.4.10.6 of [7].

27 ### 6.4.10.7.4   Method of Test

28 ### 6.4.10.7.4.1   Initial Conditions

29   The common initial conditions as defined in section 2.1 apply.

30 ### 6.4.10.7.4.2   Procedure

31   SEQ 1:   See section 27.22.4.10.6.4.2 of [7], Expected Sequence 6.1 (SEND SHORT
32   MESSAGE, packing not required, UCS2 (16-bit data, in Katakana))

1   6.4.10.7.5   Test Requirement

2   • The ME shall operate in the manner defined in SEQ 1.

3   • The ME shall correctly format and send a short message to the network (NS) as
4   indicated in the SEND SHORT MESSAGE proactive UICC command, and returns a
5   TERMINAL RESPONSE command to the UICC indicating the status of the
6   transmission of the Short Message.

7   6.4.10.8 Reserved for SEND SHORT MESSAGE (IMS)

6.4.11   Void

6.4.12   Reserved for SEND USSD

No predefined subsections yet.

6.4.13   SET UP CALL

6.4.13.1 SET UP CALL (Normal)

6.4.13.1.1   Definition and Applicability

The ME shall support the SET UP CALL (Normal) command as defined in section 6.4.13 of [1].

This test case is applicable for all MEs supporting the options "ME supports display capability" [Table A.1/59], "ME supports keypad" [Table A.1/60] and "ME supports speech calls" [Table A.1/62].

Sequence SEQ 3 requires the support of the options "ME supports audio alerting" [Table A.1/61] and "ME supports speech calls" [Table A.1/62] in addition and therefore is not applicable if either of them is not supported.

6.4.13.1.2   Conformance Requirement

CR 1   The ME shall display an alpha identifier present in the SET UP CALL proactive command.

CR 2   The ME attempts to set up a call to the address specified in the SET UP CALL proactive command.

CR 3   The ME shall return a proper TERMINAL RESPONSE for each SET UP CALL sequence specified below.

CR 4   The ME shall successfully connect a call after receiving the proactive command SET UP CALL with command qualifier "only if not currently busy on another call" if not busy in a call.

CR 5   The ME shall reject a call after receiving the proactive command SET UP CALL with command qualifier "only if not currently busy on another call" if busy in a call.

CR 6   The ME shall disconnect an existing call after receiving the proactive command SET UP CALL with command qualifier "disconnecting all other calls".

CR 7   The ME shall return an error after receiving the proactive command SET UP CALL with command qualifier "only if not currently busy on another call" if busy in a call.

CR 8   The ME shall not set up a call after receiving the proactive command SET UP CALL if the user rejects the call.

6.4.13.1.3   Test Purpose

The purpose of the tests is to verify that the ME conforms to the above requirements.

1 ## 6.4.13.1.4   Method of Test

2 ### 6.4.13.1.4.1 Initial Conditions

3 The common initial conditions as defined in section 2.1 apply.

4 In addition, the following conditions apply:

5 • For CSIM: Call control is not available in EF_{CSIM_ST}.

6 • For R-UIM: Call control is not allocated and not activated in EF_{CST}.

7 ### 6.4.13.1.4.2   Procedure

8 SEQ 1:   SET UP CALL, call confirmed by the user and connected

Step	Direction	Message/Action	Comments
1	CS → ME	PROACTIVE COMMAND PENDING: SET UP CALL	
2	ME → CS	FETCH	
3	CS → ME	PROACTIVE COMMAND: SET UP CALL	Alpha identifier = "Not busy"
4	ME → USER	ME displays "Not busy" during user confirmation phase.	[CR1]
5	USER → ME	The user confirms the call set up	
6	ME → NS	The ME attempts to set up a call to "+012340123456"	Origination Message [CR2]
7	NS → ME	ME receives a Service Connect Message	
8	ME → NS	ME completes the call	Service Connect Completion Message [CR4]
9	ME → CS	TERMINAL RESPONSE	Command performed successfully [CR3/CR4]
10	USER → ME	The user ends the call after 10 s. The ME returns to standby screen	

9 PROACTIVE COMMAND: SET UP CALL (Step 3):

10 Command details:

11 Command number: 1

12 Command type: SET UP CALL

13 Command qualifier: only if not currently busy on another call

14 Device identities:

15   Source device: UICC

16   Destination device: Network

1   Alpha identifier tag:

2   Alpha identifier: "Not busy"

3   Address:

4   TON: '1001' International

5   NPI: '0001' ISDN / telephone numbering plan

6   Dialing number string: 012340123456

7   Coding in Hex:

D0	1C	81	03	01	10	00	82	02	81	83	85	08	4E	6F	74
20	62	75	73	79	86	07	91	10	32	04	21	43	65		

8   TERMINAL RESPONSE: SET UP CALL (Step 9):

9   Command details:

10   Command number: 1

11   Command type: SET UP CALL

12   Command qualifier: only if not currently busy on another call

13   Device identities:

14   Source device: ME

15   Destination device: UICC

16   Result:

17   General Result: Command performed successfully

18 Coding in Hex:

81	03	01	10	00	82	02	82	81	83	01	00

19 SEQ 2:   SET UP CALL, call rejected by the user

Step	Direction	Message/Action	Comments
1	CS → ME	PROACTIVE COMMAND PENDING: SET UP CALL	
2	ME → CS	FETCH	
3	CS → ME	PROACTIVE COMMAND: SET UP CALL	Alpha identifier = "Not busy"
4	ME → USER	ME displays "Not busy"	[CR1]
5	USER → ME	The user rejects the call set up	
6	ME → CS	TERMINAL RESPONSE	There is no origination message attempted by ME [CR3/CR5/CR8]
7	ME → USER	The ME returns to standby screen	

1 PROACTIVE COMMAND: SET UP CALL (Step 3):

2 See the PROACTIVE COMMAND: SET UP CALL (Step 3) of SEQ 1.

3 TERMINAL RESPONSE: SET UP CALL (Step 6)

4 Command details:

5 Command number: 1

6 Command type: SET UP CALL

7 Command qualifier: only if not currently busy on another call

8 Device identities:

9   Source device: ME

10   Destination device: UICC

11 Result:

12   General Result: User did not accept the proactive command

13 Coding in Hex:

| 81 | 03 | 01 | 10 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 22 |

14 SEQ 3:   SET UP CALL, disconnecting all other calls, ME busy in a voice call

Step	Direction	Message/Action	Comments
1	USER → NS	User sets up a voice call	Origination Message
2	CS → ME	PROACTIVE COMMAND PENDING: SET UP CALL	
3	ME → CS	FETCH	
4	CS → ME	PROACTIVE COMMAND: SET UP CALL	Command qualifier: "disconnecting all other calls"
5	ME → USER	ME displays "Disconnect" during the user confirmation phase	[CR1]
6	USER → ME	The user confirms the set up call "Disconnect"	
7	ME → NS	The call is disconnected	Release Order Message [CR6]
8	ME → NS	The ME attempts to set up a call to '012340123456'	Origination Message [CR2]
9	NS → ME	ME receives a Service Connect Message	
10	ME → NS	ME completes the call	Service Connect Completion Message
11	ME → CS	TERMINAL RESPONSE	Command performed successfully [CR3]
12	USER → ME	The user ends the call after 10 s	

1 PROACTIVE COMMAND: SET UP CALL (Step 4)

2 Command details:

3 Command number: 1

4 Command type: SET UP CALL

5 Command qualifier: disconnecting all other calls

6 Device identities:

7 Source device: UICC

8 Destination device: Network

9 Alpha identifier:

10 Alpha identifier: "Disconnect"

11 Address:

12 TON: '1001' International

13 NPI: '0001' ISDN / telephone numbering plan

14 Dialing number string: 012340123456

15 Coding in Hex:

D0	1E	81	03	01	10	04	82	02	81	83	85	0A	44	69	73
63	6F	6E	6E	65	63	74	86	07	91	10	32	04	21	43	65

16 TERMINAL RESPONSE: SET UP CALL (Step 11)

17 Command details:

18 Command number: 1

19 Command type: SET UP CALL

20 Command qualifier: putting all other calls on hold

21 Device identities:

22 Source device: ME

23 Destination device: UICC

24 Result:

25 General Result: Command performed successfully

26 Coding in Hex:

81	03	01	10	04	82	02	82	81	83	01	00

27 SEQ 4: SET UP CALL, only if not currently busy on another call, ME busy

Step	Direction	Message/Action	Comments
1	USER → NS	User sets up a voice call	Origination Message
2	CS → ME	PROACTIVE COMMAND PENDING: SET UP CALL	

Step	Direction	Message/Action	Comments
3	ME → CS	FETCH	
4	CS → ME	PROACTIVE COMMAND: SET UP CALL	Command qualifier: "only if not currently busy on another call"
5	ME → CS	TERMINAL RESPONSE: SET UP CALL	ME currently unable to process command [CR3/CR7]

1. PROACTIVE COMMAND: SET UP CALL (Step 4)

2. See the PROACTIVE COMMAND: SET UP CALL (Step 3) of SEQ 1.

3. TERMINAL RESPONSE: SET UP CALL (Step 5)

4. Command details:

5.   Command number: 1

6.   Command type: SET UP CALL

7.   Command qualifier: only if not currently busy on another call

8.   Device identities:

9.   Source device: ME

10.   Destination device: UICC

11.   Result:

12.   General Result: ME currently unable to process command

13.   Additional Information: ME currently busy on call

14. Coding in Hex:

81	03	01	10	00	82	02	82	81	83	02	20	02

15. ### 6.4.13.1.5   Test Requirement

16. • The ME shall operate in the manner defined in SEQ 1 to SEQ 4.

17. 6.4.13.2 Reserved for SET UP CALL (Second Alpha Identifier)

18. 6.4.13.3 Reserved for SET UP CALL (Display of Icons)

19. 6.4.13.4 Reserved for SET UP CALL (Support of Text Attribute)

20. 6.4.13.5 Reserved for SET UP CALL (UCS2 Display in Cyrillic)

21. 6.4.13.6 Reserved for SET UP CALL (UCS2 Display in Chinese)

22. 6.4.13.7 Reserved for SET UP CALL (UCS2 Display in Katakana)

1 ## 6.4.14   Reserved for POLLING OFF

2 No predefined subsections yet.

6.4.15   PROVIDE LOCAL INFORMATION

6.4.15.1 Definition and Applicability

The ME shall support the PROVIDE LOCAL INFORMATION command as defined in section 6.4.15 of [1]

This test case is applicable for all MEs supporting CDMA Card Application Toolkit enabled UICCs.

6.4.15.2 Conformance Requirement

CR 1   After receiving the proactive command PROVIDE LOCAL INFORMATION with command qualifier "ESN of the terminal", the ME shall return the ESN in a TERMINAL RESPONSE command.

CR 2   After receiving the proactive command PROVIDE LOCAL INFORMATION with command qualifier "MEID of the terminal", the ME shall return the MEID in a TERMINAL RESPONSE command.

CR 3   After receiving the proactive command PROVIDE LOCAL INFORMATION with command qualifier "Language setting" the ME shall return the language settings as set by the user in the TERMINAL RESPONSE command.

CR 4   After receiving the proactive command PROVIDE LOCAL INFORMATION with command qualifier "Date, time, and time zone", the ME shall return date, time, and time zone in a TERMINAL RESPONSE command if it is connected to the NS.

CR 5   After receiving the proactive command PROVIDE LOCAL INFORMATION with command qualifier "Access technology" the ME shall return the current Access technology in a TERMINAL RESPONSE command.

CR 6   When location information has been requested and no service is currently available, the ME shall return the data requested in the TERMINAL RESPONSE with the result "ME currently unable to process command - no service".

CR 7   When location information has been requested and the ME is connected to the CDMA network, it shall return the location information as specified in section 8.19 of [1] in the TERMINAL RESPONSE.

6.4.15.3 Test Purpose

The purpose of the test is to verify that the ME supports the PROVIDE LOCAL INFORMATION command as defined in 6.4.15 of [1] and returns the appropriate information in the TERMINAL RESPONSE.

6.4.15.4 Method of Test

6.4.15.4.1   Initial Conditions

The common initial conditions as defined in section 2.1 apply.

1 6.4.15.4.2 Procedure

2 SEQ 1: PROVIDE LOCAL INFORMATION, ESN of the Terminal

Step	Direction	Message/Action	Comments
1	CS → ME	PROACTIVE COMMAND PENDING: PROVIDE LOCAL INFORMATION	
2	ME → CS	FETCH	
3	CS → ME	PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION	Command qualifier: "ESN of the Terminal""
4	ME → CS	TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION	Command performed successfully with ESN of the terminal [CR1]

3 PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION (Step 3)

4 Command details:

5   Command number: 1

6   Command type: PROVIDE LOCAL INFORMATION

7   Command qualifier: ESN of the terminal

8   Device identities:

9   Source device: UICC

10   Destination device: ME

11 Coding in Hex:

D0	09	81	03	01	26	07	82	02	81	82

12 TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION (Step 4)

13 Command details:

14   Command number: 1

15   Command type: PROVIDE LOCAL INFORMATION

16   Command qualifier: ESN of the terminal

17   Device identities:

18   Source device: ME

19   Destination device: UICC

20   Result:

21   General Result: Command performed successfully

22   Additional Information:

23   ESN of the Terminal: 'ab cd ef gh' (the ME's real ESN)

1   Coding in Hex:

81	03	01	26	07	82	02	82	81	83	01	00	C6	04	ab	cd
ef	gh														

2   SEQ 2:   PROVIDE LOCAL INFORMATION, MEID of the Terminal

Step	Direction	Message/Action	Comments
1	CS → ME	PROACTIVE COMMAND PENDING: PROVIDE LOCAL INFORMATION	
2	ME → CS	FETCH	
3	CS → ME	PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION	Command qualifier: "MEID of the Terminal"
4	ME → CS	TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION	Command performed successfully with MEID of the terminal [CR2]

3   PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION (Step 3)

4   Command details:

5   Command number: 1

6   Command type: PROVIDE LOCAL INFORMATION

7   Command qualifier: MEID of the terminal

8   Device identities:

9   Source device: UICC

10   Destination device: ME

11 Coding in Hex:

D0	09	81	03	01	26	0B	82	02	81	82

12 TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION (Step 4)

13 Command details:

14   Command number: 1

15   Command type: PROVIDE LOCAL INFORMATION

16   Command qualifier: MEID of the terminal

17   Device identities:

18   Source device: ME

19   Destination device: UICC

20   Result:

21   General Result: Command performed successfully

22   Additional Information:

1   MEID of the Terminal: 'ab cd ef gh ij kl mn' (ME's real MEID)

2 Coding in Hex:

81	03	01	26	0B	82	02	82	81	83	01	00	ED	08	ab	cd
ef	gh	ij	kl	mn	00										

3 SEQ 3: See section 27.22.4.15.4.2 of [7], Expected Sequence 1.5 (PROVIDE LOCAL
4   INFORMATION, Language setting) [CR3]

5 SEQ 4: PROVIDE LOCAL INFORMATION, Date, Time and Time Zone

Step	Direction	Message/Action	Comments
1	CS → ME	PROACTIVE COMMAND PENDING: PROVIDE LOCAL INFORMATION	
2	ME → CS	FETCH	
3	CS → ME	PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION	Command qualifier: "Date, Time and Time Zone"
4	ME → CS	TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION	Command performed successfully with Date, Time and Time Zone as set in the terminal [CR4]

6 PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION (Step 3)

7 Command details:

8   Command number: 1

9   Command type: PROVIDE LOCAL INFORMATION

10   Command qualifier: Date, time and time zone

11   Device identities:

12   Source device: UICC

13   Destination device: ME

14 Coding in Hex:

D0	09	81	03	01	26	03	82	02	81	82

15 TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION (Step 4)

16 Command details:

17   Command number: 1

18   Command type: PROVIDE LOCAL INFORMATION

19   Command qualifier: MEID of the terminal

20   Device identities:

21   Source device: ME

1   Destination device: UICC

2   Result:

3   General Result: Command performed successfully

4   Additional Information:

5   Date, time and time zone: 'ab cd ef hg ij kl mn' (ME's real MEID)

6   Coding in Hex:

81	03	01	26	0B	82	02	82	81	83	01	00	26	07	yy	mm
dd	hh	mm	ss	tz											

7   SEQ 5:   PROVIDE LOCAL INFORMATION, Access Technology (ME is connected to
8   CDMA 1x only)

Step	Direction	Message/Action	Comments
1	NS → ME	ME registers to the CDMA network	ME is connected to CDMA 1x only
2	CS → ME	PROACTIVE COMMAND PENDING: PROVIDE LOCAL INFORMATION	
3	ME → CS	FETCH	
4	CS → ME	PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION	Command qualifier: "Access Technology"
5	ME → CS	TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION	Command performed successfully with access technology [CR5]

9   PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION (Step 4)

10 Command details:

11   Command number: 1

12   Command type: PROVIDE LOCAL INFORMATION

13   Command qualifier: Access Technology

14   Device identities:

15   Source device: UICC

16   Destination device: ME

17 Coding in Hex:

D0	09	81	03	01	26	06	82	02	81	82

18 TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION (Step 5)

19 Command details:

20   Command number: 1

1   Command type: PROVIDE LOCAL INFORMATION

2   Command qualifier: Access Technology

3   Device identities:

4   Source device: ME

5   Destination device: UICC

6   Result:

7   General Result: Command performed successfully

8   Additional Information:

9   Technology: cdma2000/1x

10 Coding in Hex:

81	03	01	26	0B	82	02	82	81	83	01	00	C6	01	06

11 SEQ 6:   PROVIDE LOCAL INFORMATION, Location Information for CDMA 2000 1X
12   (ME is connected to CDMA 1x only)

Step	Direction	Message/Action	Comments
1	NS → ME	ME registers to the CDMA network	ME is connected to CDMA 1x only
2	CS → ME	PROACTIVE COMMAND PENDING: PROVIDE LOCAL INFORMATION	
3	ME → CS	FETCH	
4	CS → ME	PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION	Command qualifier: "Location Information"
5	ME → CS	TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION	Command performed successfully with access technology [CR6]

13 PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION (Step 4)

14 Command details:

15   Command number: 1

16   Command type: PROVIDE LOCAL INFORMATION

17   Command qualifier: Location Information (according to CDMA 2000/1x)

18   Device identities:

19   Source device: UICC

20   Destination device: ME

21 Coding in Hex:

D0	09	81	03	01	26	00	82	02	81	82

1   TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION (Step 5)

2   Command details:

3   Command number: 1

4   Command type: PROVIDE LOCAL INFORMATION

5   Command qualifier: Location Information

6   Device identities:

7   Source device: ME

8   Destination device: UICC

9   Result:

10   General Result: Command performed successfully

11   Additional Information:

12   Location Information:

13   MCC: 310

14   IMSI_11_12:   02

15   SID: '01 00'

16   NID: '02 00'

17   BASE_ID: '22 00'

18   BASE_LAT: '20 19 00'

19   BASE_LONG: '00 18 00'

20   Coding in Hex:

81	03	01	26	00	82	02	82	81	83	01	00	13	0F	36	01
02	01	00	02	00	22	00	20	19	00	00	18	00			

21   ## 6.4.15.5 Test Requirement

22   • The ME shall operate in the manner defined in SEQ 1 to SEQ 6

6.4.16   SET UP EVENT LIST

6.4.16.1 Definition and Applicability

The ME shall support the SET UP EVENT LIST command as defined in section 6.4.16 of [6].

This test case is applicable for all MEs supporting the option "ME supports speech calls" [Table A.1/62].

6.4.16.2 Conformance Requirement

See section 27.22.4.16.1.2 of [7].

6.4.16.3 Test Purpose

The purpose of the test is to verify that the ME supports the SET UP EVENT LIST command.

The support of this command shall be tested as defined in 27.22.4.16.1 of [7].

6.4.16.4 Method of Test

6.4.16.4.1   Initial Conditions

The common initial conditions as defined in section 2.1 apply.

6.4.16.4.2   Procedure

SEQ 1:   See section 27.22.4.16.1.4.2 of [7], Expected Sequence 1.1 (SET UP EVENT LIST, User Activity)

SEQ 2:   See section 27.22.4.16.1.4.2 of [7], Expected Sequence 1.2 (SET UP EVENT LIST, Replace Event)

SEQ 3:   See section 27.22.4.16.1.4.2 of [7], Expected Sequence 1.3 (SET UP EVENT LIST, Remove Event)

SEQ 4:   See section 27.22.4.16.1.4.2 of [7], Expected Sequence 1.4 (SET UP EVENT LIST, Remove Event on Terminal Power Cycle)

6.4.16.5 Test Requirement

- The ME shall operate in the manner defined in SEQ 1 to SEQ 4.

6.4.17   Reserved for PERFORM CARD APDU

6.4.17.1 Reserved for PERFORM CARD APDU (Normal)

6.4.17.2 Reserved for PERFORM CARD APDU (Detachable Card Reader)

6.4.18   POWER OFF CARD

6.4.18.1 POWER OFF CARD (Normal)

6.4.18.1.1   Definition and Applicability

The ME shall support the POWER OFF CARD command as defined in section 6.4.18 of [6].

This test case is applicable for all MEs supporting the option "Class A: Dual Slot" [Table A.1/7].

6.4.18.1.2   Conformance Requirement

See section 27.22.4.18.1.2 of [7].

6.4.18.1.3   Test Purpose

The purpose of the test is to verify that the ME supports the POWER OFF CARD command.

The support of this command shall be tested as defined in 27.22.4.18.1 of [7].

6.4.18.1.4   Method of Test

6.4.18.1.4.1   Initial Conditions

The common initial conditions as defined in section 2.1 apply.

6.4.18.1.4.2   Procedure

SEQ 1:   See section 27.22.4.18.1.4.2 of [7], Expected Sequence 1.1 (POWER OFF CARD, card reader 1)

SEQ 2:   See section 27.22.4.18.1.4.2 of [7], Expected Sequence 1.2 (POWER OFF CARD, card reader 1, no card inserted)

6.4.18.1.5   Test Requirement

• The ME shall operate in the manner defined in SEQ 1 and SEQ 2.

6.4.18.2 Reserved for POWER OFF CARD (Detachable Card Reader)

6.4.19   Reserved for POWER ON CARD

6.4.19.1 Reserved for POWER ON CARD (Normal)

6.4.19.2 Reserved for POWER ON CARD (Detachable Card Reader)

6.4.20   Reserved for GET READER STATUS

6.4.20.1 Reserved for GET READER STATUS (Normal)

6.4.20.2 Reserved for GET CARD READER STATUS (Detachable Card Reader)

6.4.21   TIMER MANAGEMENT

6.4.21.1 TIMER MANAGEMENT (Normal)

6.4.21.1.1   Definition and Applicability

The ME shall support the TIMER MANAGEMENT command as defined in section 6.4.21 of [6].

This test case is applicable for all MEs supporting CDMA Card Application Toolkit enabled UICCs.

6.4.21.1.2   Conformance Requirement

See section 27.22.4.21.1.2 of [7].

6.4.21.1.3   Test Purpose

The purpose of the test is to verify that the ME supports the TIMER MANAGEMENT command.

The support of this command shall be tested as defined in 27.22.4.21.1 of [7].

6.4.21.1.4   Method of Test

6.4.21.1.4.1   Initial Conditions

The common initial conditions as defined in section 2.1 apply.

6.4.21.1.4.2   Procedure

SEQ 1:   See section 27.22.4.21.1.4.2 of [7], Expected Sequence 1.1 (TIMER MANAGEMENT, start timer 1 several times, get the current value of the timer and deactivate the timer successfully)

SEQ 2:   See section 27.22.4.21.1.4.2 of [7], Expected Sequence 1.2 (TIMER MANAGEMENT, start timer 2 several times, get the current value of the timer and deactivate the timer successfully)

SEQ 3:   See section 27.22.4.21.1.4.2 of [7], Expected Sequence 1.3 (TIMER MANAGEMENT, start timer 8 several times, get the current value of the timer and deactivate the timer successfully)

SEQ 4:   See section 27.22.4.21.1.4.2 of [7], Expected Sequence 1.4 (TIMER MANAGEMENT, try to get the current value of a timer, which is not started: action in contradiction with the current timer state)

SEQ 5:   See section 27.22.4.21.1.4.2 of [7], Expected Sequence 1.5 (TIMER MANAGEMENT, try to deactivate a timer, which is not started: action in contradiction with the current timer state)

SEQ 6:   See section 27.22.4.21.1.4.2 of [7], Expected Sequence 1.6 (TIMER MANAGEMENT, start 8 timers successfully)

6.4.21.1.5   Test Requirement

- The ME shall operate in the manner defined in SEQ 1 to SEQ 6.

6.4.21.2 ENVELOPE TIMER EXPIRATION (Normal)

6.4.21.2.1 Definition and Applicability

The ME shall support the ENVELOPE TIMER EXPIRATION command as defined in section 4.10, 7.4.1, and 7.4.2 of [6].

This test case is applicable for all MEs supporting CDMA Card Application Toolkit enabled UICCs.

6.4.21.2.2 Conformance Requirement

See section 27.22.4.21.2.2 of [7].

6.4.21.2.3 Test Purpose

The purpose of the test is to verify that the ME supports the ENVELOPE TIMER EXPIRATION command.

The support of this command shall be tested as defined in 27.22.4.21.2 of [7].

6.4.21.2.4 Method of Test

6.4.21.2.4.1 Initial Conditions

The common initial conditions as defined in section 2.1 apply.

6.4.21.2.4.2 Procedure

SEQ 1: See section 27.22.4.21.1.4.2 of [7], Expected Sequence 2.1 (TIMER EXPIRATION, pending proactive UICC command)

SEQ 2: See section 27.22.4.21.1.4.2 of [7], Expected Sequence 2.2 (TIMER EXPIRATION, UICC application toolkit busy)

6.4.21.2.5 Test Requirement

- The ME shall operate in the manner defined in SEQ 1 and SEQ 2.

6.4.22   SET UP IDLE MODE TEXT

6.4.22.1 SET UP IDLE MODE TEXT (Normal)

6.4.22.1.1   Definition and Applicability

The ME shall support the SET UP IDLE MODE TEXT command as defined in section 6.4.22 of [6].

This test case is applicable for all MEs supporting the option "ME supports display capability" [Table A.1/59].

Sequence SEQ 4 requires the support of the options "ME supports audio alerting" [Table A.1/61] and "ME supports speech calls" [Table A.1/62] in addition and therefore is not applicable if either of them is not supported.

6.4.22.1.2   Conformance Requirement

See section 27.22.4.22.1.2 of [7].

6.4.22.1.3   Test Purpose

The purpose of the test is to verify that the ME supports the SET UP IDLE MODE TEXT command.

The support of this command shall be tested as defined in 27.22.4.22.1 of [7].

6.4.22.1.4   Method of Test

6.4.22.1.4.1   Initial Conditions

The common initial conditions as defined in section 2.1 apply.

6.4.22.1.4.2   Procedure

SEQ 1:   See section 27.22.4.22.1.4.2 of [7], Expected Sequence 1.1 (SET UP IDLE MODE TEXT, display idle mode text)

SEQ 2:   See section 27.22.4.22.1.4.2 of [7], Expected Sequence 1.2 (SET UP IDLE MODE TEXT, replace idle mode text)

SEQ 3:   See section 27.22.4.22.1.4.2 of [7], Expected Sequence 1.3 (SET UP IDLE MODE TEXT, remove idle mode text)

SEQ 4:   See section 27.22.4.22.1.4.2 of [7], Expected Sequence 1.4 (SET UP IDLE MODE TEXT, competing information on Terminal display)

SEQ 5:   See section 27.22.4.22.1.4.2 of [7], Expected Sequence 1.5 (SET UP IDLE MODE TEXT, Terminal power cycled)

SEQ 6:   See section 27.22.4.22.1.4.2 of [7], Expected Sequence 1.6 (SET UP IDLE MODE TEXT, REFRESH with NAA Initialization)

SEQ 7:   See section 27.22.4.22.1.4.2 of [7], Expected Sequence 1.7 (SET UP IDLE MODE TEXT, large text string)

6.4.22.1.5   Test Requirement

- The ME shall operate in the manner defined in SEQ 1 to SEQ 7.

6.4.22.2 Reserved for SET UP IDLE MODE TEXT (Icon Support)

6.4.22.3 SET UP IDLE MODE TEXT (UCS2 Display in Cyrillic)

6.4.22.3.1   Definition and Applicability

The ME shall support the SET UP IDLE MODE TEXT (UCS2 Display in Cyrillic) command as defined in section 6.4.22 of [6].

This test case is applicable for all MEs supporting the options "ME supports display capability" [Table A.1/59], "UCS2 coding scheme for Display" [Table A.1/15] and "UCS2 in Cyrillic" [Table A.1/41].

6.4.22.3.2   Conformance Requirement

See section 27.22.4.22.3.2 of [7].

6.4.22.3.3   Test Purpose

The purpose of the test is to verify that the ME supports the SET UP IDLE MODE TEXT (UCS2 Display in Cyrillic) command.

The support of this command shall be tested as defined in 27.22.4.22.3 of [7].

6.4.22.3.4   Method of Test

6.4.22.3.4.1 Initial Conditions

The common initial conditions as defined in section 2.1 apply.

6.4.22.3.4.2 Procedure

SEQ 1:   See section 27.22.4.22.3.4.2 of [7], Expected Sequence 1.1 (SET UP IDLE MODE TEXT, UCS2 alphabet text in Cyrillic)

6.4.22.3.5   Test Requirement

- The ME shall operate in the manner defined in SEQ 1.

6.4.22.4 Reserved for SET UP IDLE MODE TEXT (Support of Text Attribute)

6.4.22.5 SET UP IDLE MODE TEXT (UCS2 Display in Chinese)

6.4.22.5.1   Definition and Applicability

The ME shall support the SET UP IDLE MODE TEXT (UCS2 Display in Chinese) command as defined in section 6.4.22 of [6].

This test case is applicable for all MEs supporting the options "ME supports display capability" [Table A.1/59], "UCS2 coding scheme for Display" [Table A.1/15] and "UCS2 in Chinese" [Table A.1/42].

6.4.22.5.2   Conformance Requirement

See section 27.22.4.22.5.2 of [7].

6.4.22.5.3   Test Purpose

The purpose of the test is to verify that the ME supports the SET UP IDLE MODE TEXT (UCS2 Display in Chinese) command.

The support of this command shall be tested as defined in 27.22.4.22.5 of [7].

6.4.22.5.4   Method of Test

6.4.22.5.4.1   Initial Conditions

The common initial conditions as defined in section 2.1 apply.

6.4.22.5.4.2   Procedure

SEQ 1:   See section 27.22.4.22.5.4.2 of [7], Expected Sequence 1.1 (SET UP IDLE MODE TEXT, UCS2 alphabet text in Chinese)

6.4.22.5.5   Test Requirement

- The ME shall operate in the manner defined in SEQ 1.

6.4.22.6 SET UP IDLE MODE TEXT (UCS2 Display in Katakana)

6.4.22.6.1   Definition and Applicability

The ME shall support the SET UP IDLE MODE TEXT (UCS2 Display in Katakana) command as defined in section 6.4.22 of [6].

This test case is applicable for all MEs supporting the options "ME supports display capability" [Table A.1/59], "UCS2 coding scheme for Display" [Table A.1/15] and "UCS2 in Katakana" [Table A.1/43].

6.4.22.6.2   Conformance Requirement

See section 27.22.4.22.6.2 of [7].

6.4.22.6.3   Test Purpose

The purpose of the test is to verify that the ME supports the SET UP IDLE MODE TEXT (UCS2 Display in Katakana) command.

The support of this command shall be tested as defined in 27.22.4.22.6 of [7].

6.4.22.6.4   Method of Test

6.4.22.6.4.1   Initial Conditions

The common initial conditions as defined in section 2.1 apply.

1 6.4.22.6.4.2 Procedure

2 SEQ 1: See section 27.22.4.22.6.4.2 of [7], Expected Sequence 1.1 (SET UP IDLE
3 MODE TEXT, UCS2 alphabet text in Katakana)

4 6.4.22.6.5 Test Requirement

5 • The ME shall operate in the manner defined in SEQ 1.

6.4.23   Reserved for RUN AT COMMAND

6.4.23.1 Reserved for RUN AT COMMAND (Normal)

6.4.23.2 Reserved for RUN AT COMMAND (Icon Support)

6.4.23.3 Reserved for RUN AT COMMAND (Support of Text Attribute)

6.4.23.4 Reserved for RUN AT COMMAND (UCS2 Display in Cyrillic)

6.4.23.5 Reserved for RUN AT COMMAND (UCS2 Display in Chinese)

6.4.23.6 Reserved for RUN AT COMMAND (UCS2 Display in Katakana)

6.4.24   Reserved for SEND DTMF

No predefined subsections yet.

6.4.25 LANGUAGE NOTIFICATION

6.4.25.1 Definition and Applicability

The ME shall support the LANGUAGE NOTIFICATION command as defined in section 6.4.25 of [6].

This test case is applicable for all MEs supporting the option "ME supports multiple languages" [Table A.1/63].

6.4.25.2 Conformance Requirement

See section 27.22.4.22.6.2 of [7].

6.4.25.3 Test Purpose

The purpose of the test is to verify that the ME supports the SET UP IDLE MODE TEXT (UCS2 Display in Katakana) command.

The support of this command shall be tested as defined in 27.22.4.22.6 of [7].

6.4.25.4 Method of Test

6.4.25.4.1 Initial Conditions

The common initial conditions as defined in section 2.1 apply.

6.4.25.4.2 Procedure

SEQ 1:   See section 27.22.4.25.4.2 of [7], Expected Sequence 1.1 (LANGUAGE NOTIFICATION)

SEQ 2:   See section 27.22.4.25.4.2 of [7], Expected Sequence 1.2 (LANGUAGE NOTIFICATION)

6.4.25.5 Test Requirement

• The ME shall operate in the manner defined in SEQ 1 and SEQ 2.

6.4.26   LAUNCH BROWSER

6.4.26.1 LAUNCH BROWSER (No Session Already Launched)

6.4.26.1.1   Definition and Applicability

The ME shall support the LAUNCH BROWSER command as defined in section 6.4.26 of [6].

This test case is applicable for all MEs supporting the option "Class C: LAUNCH BROWSER" [Table A.1/10].

For MEs of type ND or NK the support of this command is optional.

6.4.26.1.2   Conformance Requirements

CR1   Upon receiving the LAUNCH BROWSER command, the terminal shall launch a browser to the URL requested or reject it as specified in clause 6.4.26 of [6].

CR2   The ME shall parse and process mandatory TLVs and optional TLVs in the structure of LAUNCH BROWSER proactive command as described in clause 6.6.26 of [6].

CR3   Upon receiving the LAUNCH BROWSER command, the ME shall act as defined in the Command Qualifier specified in clause 8.6 of [6].

CR4   The ME shall ask the user for confirmation using the Alpha Identifier/Icon Identifier if present and not a null data object, when it receives a LAUNCH BROWSER command which requests the existing browser session connected to a new URL or to terminate a browser session. as specified in clause 6.4.26 of [6].

CR5   If the gateway addresses and/or the bearer objects are present in the proactive command and are non-null data objects, then the browser shall use these data to request content using the URL. The ME shall use default values in case such TLVs are not included in the command as defined in clause 6.6.26 of [6].

CR6   The ME shall parse and process the URL coded in the format defined in 8.48 of [6].

CR7   If the ME is able to execute the command (eg: the ME does not reject the command) it shall follow processing of the command in the order:

- inform the UICC that the command has been successfully taken into account, using TERMINAL RESPONSE;

- request content using the URL;

- if an error occurs when accessing the resource indicated in the URL, the ME shall send to the UICC a browsing status event reporting the error (if the browsing status event is part of the event list) as described in clause 6.4.26 of [6].

CR8   The ME shall include LAUNCH BROWSER specific TLV objects in the TERMINAL RESPONSE as described in clause 6.8 of [6].

1 ## 6.4.26.1.3   Test Purpose

2 The purpose of the tests is to verify that when the ME is in idle state, it properly
3 launches the browser session requested in the LAUNCH BROWSER proactive
4 command and returns the appropriate information in the TERMINAL RESPONSE.

5 ## 6.4.26.1.4   Method of Test

6 ### 6.4.26.1.4.1   Initial Conditions

7 The common initial conditions as defined in section 2.1 apply.

8 Access to 2 different WAP gateways is required:

9 -   The default browser parameters (IP address, gateway/proxy identity, URL etc) of
10   the tested mobile shall be properly filled to access "default gateway". With the
11   default gateway the device shall be able to access a URL different from the default
12   one.

13 -   Another gateway with an IP address different from the one defined in default
14   browser parameters.

15 The mobile is in idle mode and no browser is active.

16 To ensure that there are no packet data connections established until the proactive
17 command is fetched, the CDMA NW Simulator shall be configured to ignore any packet
18 data connection request before the LAUNCH BROWSER command is fetched.

19 The CDMA NW Simulator shall be configured to respond with an HTTP status error
20 code (4xx "Client Error" or 5xx "Server Error") to URL requests which do not match the
21 Default URL or the URL provided in the proactive command. Additionally the NW
22 Simulator shall ignore such URL requests regarding the test case verdict generation.

23 ME and NS are configured for Simple IP with CHAP Authentication for packet data call
24 establishment using data specified in section 2.2.3.

25 ### 6.4.26.1.4.2   Procedure

26 SEQ 1:   LAUNCH BROWSER (connect to the default URL, "launch the browser, if not
27   already launched", with alpha id)

Step	Direction	Message/Action	Comments
1	CS → ME	PROACTIVE COMMAND PENDING: LAUNCH BROWSER	
2	ME → CS	FETCH	
3	CS → ME	PROACTIVE COMMAND: LAUNCH BROWSER	connect to the default URL, "launch the browser, if not already launched", with alpha id.[CR 1/CR 2/CR 3/CR 6]
4	ME → USER	ME displays the alpha identifier	"Default URL" [CR 4]
5	USER → ME	User confirms launching browser	User confirmation [CR 4]
6	ME → NS	TERMINAL RESPONSE: LAUNCH BROWSER	Command performed successfully [CR 7/CR 8]

Step	Direction	Message/Action	Comments
7	NS → ME	PROACTIVE UICC SESSION ENDED	[CR7]
8	ME → NS	The ME attempts to launch the session with the default browser parameters and the default URL.	The NS shall handle the request of additional URLs as defined in the initial conditions section [CR 5/CR 7]
9	ME → NS	ORIGINATION REQUEST	with Service Option: 33, CDMA2000 PPP Packet Data
10	NS → ME	SERVICE CONNECT	with SO: 33, RLP Ver: 3
11	ME → NS	SERVICE CONNECT ACCEPT	
12	NS → ME	PPP LCP CONFIG REQ	
13	ME → NS	PPP LCP CONFIG ACK	
14	NS → ME	PPP CHAP CHALLENGE	
15	ME → NS	PPP CHAP RESPONSE	
16	NS → ME	PPP CHAP SUCCESS	
17	ME → NS	PPP IPCP CONFIG REQ	
18	NS → ME	PPP IPCP CONFIG ACK	w/ IP Address
19	ME → NS	HTTP GET	w/ Default URL [CR 5]
20	NS → ME	HTTP 200 OK	w/ Page data
21	USER → ME	The user verifies that the default browser session is properly established.	

1   PROACTIVE COMMAND: LAUNCH BROWSER (Step 3)

2   Command details:

3   Command number: 1

4   Command type: LAUNCH BROWSER

5   Command qualifier: launch browser, if not already launched

6   Device identities:

7   Source device: UICC

8   Destination device: ME

9   URL: empty

10   Alpha Identifier:

11   Alpha Identifier: "Default URL"

1 Coding in Hex:

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						

2 TERMINAL RESPONSE: LAUNCH BROWSER (Step 6)

3 Command details:

4   Command number: 1

5   Command type: LAUNCH BROWSER

6   Command qualifier: launch browser, if not already launched

7   Device identities:

8   Source device: ME

9   Destination device: UICC

10   Result:

11   General Result: Command performed successfully

12 Coding in Hex:

81	03	01	15	00	82	02	82	81	83	01	00

13 SEQ 2:   LAUNCH BROWSER (connect to the specified URL, null alpha identifier)

Step	Direction	Message/Action	Comments
1	CS → ME	PROACTIVE COMMAND PENDING: LAUNCH BROWSER	
2	ME → CS	FETCH	
3	CS → ME	PROACTIVE COMMAND: LAUNCH BROWSER	connect to the default URL, "launch the browser, if not already launched", with alpha id length =0 [CR 1/CR 2/CR 3/CR 6] No information should be displayed. The user may confirm the launch browser [CR 4]
4	ME → CS	TERMINAL RESPONSE: LAUNCH BROWSER	Command performed successfully. [CR 4]
5	CS → ME	PROACTIVE UICC SESSION ENDED	[CR7]
6	ME → NS	The ME attempts to connect the URL specified in the LAUNCH BROWSER command.	The NS shall handle the request of additional URLs as defined in the initial conditions section. [CR5/CR7]
7	ME → NS	ORIGINATION REQUEST	with Service Option : 33, CDMA2000 PPP Packet Data
8	NS → ME	SERVICE CONNECT	with SO: 33, RLP Ver: 3
9	ME → NS	SERVICE CONNECT ACCEPT	

Step	Direction	Message/Action	Comments
10	NS → ME	PPP LCP CONFIG REQ	
11	ME → NS	PPP LCP CONFIG ACK	
12	NS → ME	PPP CHAP CHALLENGE	
13	ME → NS	PPP CHAP RESPONSE	
14	NS → ME	PPP CHAP SUCCESS	
15	ME → NS	PPP IPCP CONFIG REQ	
16	NS → ME	PPP IPCP CONFIG ACK	w/ IP Address
17	ME → NS	HTTP GET	w/ URL requested by UICC [CR5]
18	NS → ME	HTTP 200 OK	w/ Page data
19	USER → ME	The user verifies that the URL is properly connected.	

PROACTIVE COMMAND: LAUNCH BROWSER (Step 3)

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:

      Alpha Identifier: empty

Coding in Hex:

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 (Step 4)

Command details:

    Command number: 1

    Command type: LAUNCH BROWSER

    Command qualifier: launch browser, if not already launched

1   Device identities:

2   Source device: ME

3   Destination device: UICC

4   Result:

5   General Result: Command performed successfully

6   Coding in Hex:

81	03	01	15	00	82	02	82	81	83	01	00

7   SEQ 3:   LAUNCH BROWSER, Browser identity, no alpha identifier)

Step	Direction	Message/Action	Comments
1	CS → ME	PROACTIVE COMMAND PENDING: LAUNCH BROWSER	
2	ME → CS	FETCH	
3	CS → ME	PROACTIVE COMMAND: LAUNCH BROWSER	connect to the default URL, "launch browser, if not already launched", browser identity [CR 1/CR 2/CR 3/CR 6] ME may display a default message The user may confirm the launch browser [CR 4]
4	ME → CS	TERMINAL RESPONSE: LAUNCH BROWSER	Command performed successfully. [CR 4]
5	CS → ME	PROACTIVE UICC SESSION ENDED	[CR7]
6	ME → NS	The ME attempts to connect the default URL	The NS shall handle the request of additional URLs as defined in the initial conditions section [CR5/CR7]
7	ME → NS	ORIGINATION REQUEST	with Service Option : 33, CDMA2000 PPP Packet Data
8	NS → ME	SERVICE CONNECT	with SO: 33, RLP Ver: 3
9	ME → NS	SERVICE CONNECT ACCEPT	
10	NS → ME	PPP LCP CONFIG REQ	
11	ME → NS	PPP LCP CONFIG ACK	
12	NS → ME	PPP CHAP CHALLENGE	
13	ME → NS	PPP CHAP RESPONSE	
14	NS → ME	PPP CHAP SUCCESS	
15	ME → NS	PPP IPCP CONFIG REQ	
16	NS → ME	PPP IPCP CONFIG ACK	
17	ME → NS	HTTP GET	w/ Default URL [CR5]
18	NS → ME	HTTP 200 OK	w/ Page data

Step	Direction	Message/Action	Comments
19	USER → ME	The user verifies that the default browser session is properly established.	

1 PROACTIVE COMMAND: LAUNCH BROWSER (Step 3)

2 Command details:

3   Command number: 1

4   Command type: LAUNCH BROWSER

5   Command qualifier: launch browser, if not already launched

6   Device identities:

7   Source device: UICC

8   Destination device: ME

9   Browser Identity:

10   Browser Identity: Default Browser shall be used

11   URL   empty

12 Coding in Hex:

D0	0E	81	03	01	15	00	82	02	81	82	30	01	00	31	00

13 TERMINAL RESPONSE: LAUNCH BROWSER (Step 4)

14 Command details:

15   Command number: 1

16   Command type: LAUNCH BROWSER

17   Command qualifier: launch browser, if not already launched

18   Device identities:

19   Source device: ME

20   Destination device: UICC

21   Result:

22   General Result: Command performed successfully

23 Coding in Hex:

81	03	01	15	00	82	02	82	81	83	01	00

24 6.4.26.1.5   Test Requirement

25 • The ME shall operate in the manner defined in SEQ 1 to SEQ 3.

6.4.26.2 LAUNCH BROWSER (Interaction with Current Session)

6.4.26.2.1 Definition and Applicability

Definition and applicability defined in section 6.4.26.1.1 do apply.

If the terminal does not support Browser_Tabs, SEQ 3A is applicable otherwise SEQ 3B is applicable.

6.4.26.2.2 Conformance Requirements

Conformance requirements defined in section 6.4.26.1.2 do apply.

Command qualifier 'use the existing browser' for CR3 is tested in this section.

6.4.26.2.3 Test Purpose

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.

6.4.26.2.4 Method of Test

6.4.26.2.4.1 Initial Conditions

Initial conditions as defined in section 6.4.26.1.4.1 do apply.
Browser is in use, the user is navigating in a browser session using URL other than default URL.

6.4.26.2.4.2 Procedure

SEQ 1: LAUNCH BROWSER (use the existing browser, connect to the default URL)

Step	Direction	Message/Action	Comments
1	CS → ME	PROACTIVE COMMAND PENDING: LAUNCH BROWSER	
2	ME → CS	FETCH	
3	CS → ME	PROACTIVE COMMAND: LAUNCH BROWSER	connect to the default URL, "use the existing browser", non-null alpha id.[CR 1/CR 2/CR 3/CR 6]
4	ME → USER	ME displays the alpha identifier	"Default URL" [CR 4]
5	USER → ME	User confirms launching browser	User confirmation [CR 4]
6	ME → CS	TERMINAL RESPONSE: LAUNCH BROWSER	Command performed successfully [CR 7/CR 8]
7	NS → ME	PROACTIVE UICC SESSION ENDED	[CR7]
8	ME → NS	The ME does not close the existing session and attempts to connect the default URL.	The NS shall handle the request of additional URLs as defined in the initial conditions section [CR 5/CR 7]

Step	Direction	Message/Action	Comments
9	ME → NS	ORIGINATION REQUEST	with Service Option: 33, CDMA2000 PPP Packet Data
10	NS → ME	SERVICE CONNECT	with SO: 33, RLP Ver: 3
11	ME → NS	SERVICE CONNECT ACCEPT	
12	NS → ME	PPP LCP CONFIG REQ	
13	ME → NS	PPP LCP CONFIG ACK	
14	NS → ME	PPP CHAP CHALLENGE	
15	ME → NS	PPP CHAP RESPONSE	
16	NS → ME	PPP CHAP SUCCESS	
17	ME → NS	PPP IPCP CONFIG REQ	
18	NS → ME	PPP IPCP CONFIG ACK	w/ IP Address
19	ME → NS	HTTP GET	w/ Default URL [CR 5]
20	NS → ME	HTTP 200 OK	w/ Page data
21	USER → ME	The user verifies that the default URL is connected.	
21	USER → ME	The user verifies that the previous URL can be retrieved	

1 PROACTIVE COMMAND: LAUNCH BROWSER (Step 3)

2 Command details:

3 Command number: 1

4 Command type: LAUNCH BROWSER

5 Command qualifier: use the existing browser

6 Device identities:

7 Source device: UICC

8 Destination device: ME

9 URL empty

10 Alpha Identifier:

11 Alpha Identifier: "Default URL"

12 Coding in Hex:

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						

1 TERMINAL RESPONSE: LAUNCH BROWSER (Step 6)

2 Command details:

3 Command number: 1

4 Command type: LAUNCH BROWSER

5 Command qualifier: use the existing browser

6 Device identities:

7 Source device: ME

8 Destination device: UICC

9 Result:

10 General Result: Command performed successfully

11 Coding in Hex:

81	03	01	15	02	82	02	82	81	83	01	00

12 SEQ 2: LAUNCH BROWSER (close the existing browser session and launch new
13 browser session, connect to the default URL)

Step	Direction	Message/Action	Comments
1	USER → ME	In a browser session the user navigates to a URL different from the default URL	Browser is in use
2	CS → ME	PROACTIVE COMMAND PENDING: LAUNCH BROWSER	
3	ME → CS	FETCH	
4	CS → ME	PROACTIVE COMMAND: LAUNCH BROWSER	connect to the default URL, "close the existing browser session and launch new browser session", non-null alpha id. [CR 1/CR 2/CR 3/CR 6]
5	ME → USER	ME displays the alpha identifier	"Default URL" [CR 4]
6	USER → ME	User confirms launching browser	User confirmation [CR 4]
7	ME → CS	TERMINAL RESPONSE: LAUNCH BROWSER	Command performed successfully [CR 7/CR 8]
8	NS → ME	PROACTIVE UICC SESSION ENDED	[CR7]

Step	Direction	Message/Action	Comments
9	ME → NS	The ME closes the existing session and attempts to launch the session with the default browser parameters and the default URL. If the ME supports browser with multiple sessions/tabs it is a valid behavior to keep other sessions/tabs open and start the session in a new active tab (see note).	The NS shall handle the request of additional URLs as defined in the initial conditions section [CR 5/CR 7]
10	ME → NS	ORIGINATION REQUEST	with Service Option: 33, CDMA2000 PPP Packet Data
11	NS → ME	SERVICE CONNECT	with SO: 33, RLP Ver: 3
12	ME → NS	SERVICE CONNECT ACCEPT	
13	NS → ME	PPP LCP CONFIG REQ	
14	ME → NS	PPP LCP CONFIG ACK	
15	NS → ME	PPP CHAP CHALLENGE	
16	ME → NS	PPP CHAP RESPONSE	
17	NS → ME	PPP CHAP SUCCESS	
18	ME → NS	PPP IPCP CONFIG REQ	
19	NS → ME	PPP IPCP CONFIG ACK	w/ IP Address
20	ME → NS	HTTP GET	w/ Default URL [CR 5]
21	NS → ME	HTTP 200 OK	w/ Page data
22	USER → ME	The user verifies that the default URL is connected	

Note: Active tab indicates that the web page is visible to the user

1 PROACTIVE COMMAND: LAUNCH BROWSER (Step 4)

2 Command details:

3 Command number: 1

4 Command type: LAUNCH BROWSER

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

7 Device identities:

8 Source device: UICC

9 Destination device: ME

10 URL: empty

11 Alpha Identifier:

1   Alpha Identifier: "Default URL"

2   Coding in Hex:

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						

3   TERMINAL RESPONSE: LAUNCH BROWSER (Step 7)

4   Command details:

5   Command number: 1

6   Command type: LAUNCH BROWSER

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

9   Device identities:

10   Source device: ME

11   Destination device: UICC

12   Result:

13   General Result: Command performed successfully

14   Coding in Hex:

81	03	01	15	03	82	02	82	81	83	01	00

15   SEQ 3A: LAUNCH BROWSER (if not already launched)

Step	Direction	Message/Action	Comments
1	USER → ME	In a browser session the user navigates to a URL different from the default URL	Browser is in use
2	CS → ME	PROACTIVE COMMAND PENDING: LAUNCH BROWSER	
3	ME → CS	FETCH	
4	CS → ME	PROACTIVE COMMAND: LAUNCH BROWSER	connect to the default URL, " launch browser, if not already launched. [CR 1/CR 2/CR 3/CR 6]
5	ME → CS	TERMINAL RESPONSE: LAUNCH BROWSER	ME unable to process command - browser unavailable, if browser supports multiple sessions/tabs [CR 8]
6	CS → ME	PROACTIVE UICC SESSION ENDED	
7	USER → ME	The user verifies that the default URL has not been connected	

1   PROACTIVE COMMAND: LAUNCH BROWSER (Step 3)

2   Command details:

3   Command number: 1

4   Command type: LAUNCH BROWSER

5   Command qualifier: launch browser, if not already launched

6   Device identities:

7   Source device: UICC

8   Destination device: ME

9   URL: empty

10   Coding in Hex:

D0	0B	81	03	01	15	00	82	02	81	82	31	00

11   TERMINAL RESPONSE: LAUNCH BROWSER(Step5)

12   Command details:

13   Command number: 1

14   Command type: LAUNCH BROWSER

15   Command qualifier: launch browser, if not already launched

16   Device identities:

17   Source device: ME

18   Destination device: UICC

19   Result:

20   General Result: Launch browser generic error code

21   Additional data   Browser unavailable

22   Coding in Hex:

81	03	01	15	00	82	02	82	81	83	02	26	02

23   SEQ 3B: LAUNCH BROWSER (if not already launched)

Step	Direction	Message/Action	Comments
1	USER → ME	In a browser session the user navigates to a URL different from the default URL	Browser is in use, the current session is not secured
2	CS → ME	PROACTIVE COMMAND PENDING: LAUNCH BROWSER	
3	ME → CS	FETCH	

Step	Direction	Message/Action	Comments
4	CS → ME	PROACTIVE COMMAND: LAUNCH BROWSER	connect to the default URL, ""launch browser, if not already launched". [CR 1/CR 2/CR 3/CR 6]
5	ME → USER	ME displays the alpha identifier	"Default URL" [CR 4]
6	USER → ME	User confirms launching browser	User confirmation [CR 4]
7	ME → CS	TERMINAL RESPONSE: LAUNCH BROWSER	Command performed successfully [CR 7/CR 8]
8	NS → ME	PROACTIVE UICC SESSION ENDED	[CR7]
9	ME → NS	The ME does not close the existing session and attempts to connect the default URL. If the ME supports browser with multiple sessions/tabs it is a valid behavior to open a new active tab (see note).	The NS shall handle the request of additional URLs as defined in the initial conditions section [CR 5/CR 7]
10	ME → NS	ORIGINATION REQUEST	with Service Option: 33, CDMA2000 PPP Packet Data
11	NS → ME	SERVICE CONNECT	with SO: 33, RLP Ver: 3
12	ME → NS	SERVICE CONNECT ACCEPT	
13	NS → ME	PPP LCP CONFIG REQ	
14	ME → NS	PPP LCP CONFIG ACK	
15	NS → ME	PPP CHAP CHALLENGE	
16	ME → NS	PPP CHAP RESPONSE	
17	NS → ME	PPP CHAP SUCCESS	
18	ME → NS	PPP IPCP CONFIG REQ	
19	NS → ME	PPP IPCP CONFIG ACK	w/ IP Address
20	ME → NS	HTTP GET	w/ Default URL [CR 5]
21	NS → ME	HTTP 200 OK	w/ Page data
22	USER → ME	The user verifies that the default URL is connected and the previous URL can be retrieved.	

Note: Active tab indicates that the web page is visible to the user

1 TERMINAL RESPONSE: LAUNCH BROWSER (Step 7)

2 Command details:

3   Command number: 1

4   Command type: LAUNCH BROWSER

5   Command qualifier: launch browser, if not already launched

6   Device identities:

7   Source device: ME

8   Destination device: UICC

9   Result:

10   General Result: Command performed successfully

11 Coding in Hex:

81	03	01	15	00	82	02	82	81	83	01	00

12 **6.4.26.2.5 Test Requirement**

13 • The ME shall operate in the manner defined in SEQ 1 to SEQ 3(A/B).

14 6.4.26.3 Reserved for LAUNCH BROWSER (UCS2 Display in Cyrillic)

15 6.4.26.4 Reserved for LAUNCH BROWSER (Icon Support)

16 6.4.26.5 Reserved for LAUNCH BROWSER (Support of Text Attribute)

17 6.4.26.6 Reserved for LAUNCH BROWSER (UCS2 Display in Chinese)

18 6.4.26.7 Reserved for LAUNCH BROWSER (UCS2 Display in Katakana)

6.4.27   OPEN CHANNEL

6.4.27.1 Void

6.4.27.2 Void

6.4.27.3 OPEN CHANNEL (Default Bearer)

6.4.27.3.1   Definition and Applicability

The ME shall support the OPEN CHANNEL (Related to Default Network Bearer) command as defined in section 6.4.27.4 of [6].

This test case is applicable for all MEs supporting the option "Class E: B.I.P related to Default (Network) Bearer" [Table A.1/67] is supported.

6.4.27.3.2   Conformance Requirement

CR 1   Upon receiving OPEN CHANNEL command, the ME shall decide if packet data connection can be setup with an immediate or on demand connection as specified in clause 6.4.27.4 of [6].

CR 2   The ME shall parse and process the mandatory TLVs and optional TLVs in the structure of OPEN CHANNEL proactive UICC command as described in clause 6.6.27.4 of [6].

CR 3   The ME shall process the command qualifier in OPEN CHANNEL command as defined in clause 8.6 of [6].

CR 4   Verify that the Alpha Identifier in the proactive command is processed as defined in clause 6.4.27.4 of [6].

CR 5   Verify that the ME processes the Bearer Description with Bearer Type default network bearer and without Bearer parameters in the proactive command as defined in clause 8.52 of [6].

CR 6   The ME shall support the UICC/ME interface transport level parameters in OPEN CHANNEL command as defined in clause 8.59 of [6].

CR 7   The ME shall process the Network Access name in OPEN CHANNEL command as defined in clause 8.70 of [6] if provided by UICC.

CR 8   The ME shall include the OPEN CHANNEL specific TLV objects in TERMINAL RESPONSE as described in clause 6.8 of [6].

6.4.27.3.3   Test Purpose

To verify that the ME sends appropriate TERMINAL RESPONSE to the UICC after receiving OPEN CHANNEL proactive command.

6.4.27.3.4   Method of Test

6.4.27.3.4.1   Initial Conditions

The common initial conditions as defined in section 2.1 apply.

1 ME and NS are configured for Simple IP with CHAP Authentication for packet data call
2 establishment.

6.4.27.3.4.2 Procedure

4 SEQ 1: OPEN CHANNEL, immediate link establishment, bearer type "Default Bearer"
5 over UDP connection, no alpha identifier, userName and password

Step	Direction	Message/Action	Comments
1	CS → ME	PROACTIVE COMMAND PENDING: OPEN CHANNEL	
2	ME → CS	FETCH	
3	CS → ME	PROACTIVE COMMAND: OPEN CHANNEL	[CR1/CR2/CR3/CR4/CR5/CR6/CR7] (The ME may display channel opening information)
4	ME → NS	ORIGINATION REQUEST	with Service Option : 33, CDMA2000 PPP Packet Data
5	NS → ME	SERVICE CONNECT	with SO: 33, RLP Ver: 3
6	ME → NS	SERVICE CONNECT ACCEPT	
7	NS → ME	PPP LCP CONFIG REQ	
8	ME → NS	PPP LCP CONFIG ACK	
9	NS → ME	PPP CHAP CHALLENGE	
10	ME → NS	PPP CHAP RESPONSE	
11	NS → ME	PPP CHAP SUCCESS	
12	ME → NS	PPP IPCP CONFIG REQ	
13	NS → ME	PPP IPCP CONFIG ACK	w/ IP Address
14	ME → UICC	TERMINAL RESPONSE: OPEN CHANNEL	Command performed successfully [CR8]

6 PROACTIVE COMMAND: OPEN CHANNEL (Step 3)

7 Command details:

8   Command number: 1

9   Command type: OPEN CHANNEL

10   Command qualifier: immediate link establishment, automatic
11   reconnection

12   Device identities

13   Source device: UICC

14   Destination device: ME

1   Bearer:

2   Bearer type: DEFAULT BEARER FOR REQUESTED TRANSPORT
3   LAYER

4   Buffer size: 512

5   Network access name: TestGp.rs

6   Text String: UserLog (User login)

7   Text String: UserPwd (User password)

8   UICC/ME interface transport level:

9   Transport format: UDP, UICC in client mode, remote connection

10   Port number: 53

11   Data destination address   01.01.01.01

12   Coding in Hex:

D0	3C	81	03	01	40	03	82	02	81	82	35	01	03	39	02
02	00	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	00	35	3E	05	21	01	01	01	01		

13   TERMINAL RESPONSE: OPEN CHANNEL (Step 14)

14   Command details:

15   Command number: 1

16   Command type: OPEN CHANNEL

17   Command qualifier: immediate link establishment, automatic
18   reconnection

19   Device identities:

20   Source device: ME

21   Destination device: UICC

22   Result:

23   General Result: Command performed successfully

24   Channel status   Channel identifier 1 and link established or packet
25   data service activated

26   Bearer:

27   Bearer type: DEFAULT BEARER FOR REQUESTED TRANSPORT
28   LAYER

29   Buffer size: 512

30   Coding in Hex:

81	03	01	40	03	82	02	82	81	83	01	00	38	02	81	00
35	01	03	39	02	02	00									

1 SEQ 2: OPEN CHANNEL, immediate link establishment, bearer type "Default Bearer"
2   over TCP connection, null alpha identifier, no userName and password

Step	Direction	Message/Action	Comments
1	CS → ME	PROACTIVE COMMAND PENDING: OPEN CHANNEL	
2	ME → CS	FETCH	
3	CS → ME	PROACTIVE COMMAND: OPEN CHANNEL	[CR1/CR2/CR3/CR4/CR5/CR6/CR7] (The ME shall not display channel opening information)
4	ME → NS	ORIGINATION REQUEST	with Service Option : 33, CDMA2000 PPP Packet Data
5	NS → ME	SERVICE CONNECT	with SO: 33, RLP Ver: 3
6	ME → NS	SERVICE CONNECT ACCEPT	
7	NS → ME	PPP LCP CONFIG REQ	
8	ME → NS	PPP LCP CONFIG ACK	
9	NS → ME	PPP CHAP CHALLENGE	
10	ME → NS	PPP CHAP RESPONSE	
11	NS → ME	PPP CHAP SUCCESS	
12	ME → NS	PPP IPCP CONFIG REQ	
13	NS → ME	PPP IPCP CONFIG ACK	w/ IP Address
14	ME → CS	TERMINAL RESPONSE: OPEN CHANNEL	Command performed successfully [CR8]

3 PROACTIVE COMMAND: OPEN CHANNEL (Step 3)

4 Command details:

5 Command number: 1

6 Command type: OPEN CHANNEL

7 Command qualifier: immediate link establishment, automatic
8   reconnection

9 Device identities:

10   Source device: UICC

11   Destination device: ME

12 Alpha Identifier:

13   Alpha Identifier: null data object

14 Bearer:

15   Bearer type: DEFAULT BEARER FOR REQUESTED TRANSPORT
16   LAYER

1   Buffer size: 1400

2   Network access name: TestGp.rs

3   UICC/ME interface transport level:

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

5   Port number: 443

6   Data destination address   01.01.01.01

7   Coding in Hex:

D0	2A	81	03	01	40	03	82	02	81	82	05	00	35	01	03
39	02	05	78	47	0A	06	54	65	73	74	47	70	02	72	73
3C	03	02	01	BB	3E	05	21	01	01	01	01				

8   TERMINAL RESPONSE: OPEN CHANNEL (Step 14)

9   Command details:

10   Command number: 1

11   Command type: OPEN CHANNEL

12   Command qualifier: immediate link establishment, automatic
13   reconnection

14   Device identities

15   Source device: ME

16   Destination device: UICC

17   Result:

18   General Result: Command performed successfully

19   Channel status   Channel identifier 1 and link established or packet
20   data service activated

21   Bearer:

22   Bearer type: DEFAULT BEARER FOR REQUESTED TRANSPORT
23   LAYER

24   Buffer size: 1400

25   Coding in Hex:

81	03	01	40	03	82	02	82	81	83	01	00	38	02	81	00
35	01	03	39	02	05	78									

1 SEQ 3: OPEN CHANNEL, immediate link establishment, bearer type "Default Bearer"
2   over TCP connection, with alpha identifier

Step	Direction	Message/Action	Comments
1	CS → ME	PROACTIVE COMMAND PENDING: OPEN CHANNEL	
2	ME → <u>CS</u>	FETCH	
3	CS → ME	PROACTIVE COMMAND: OPEN CHANNEL	[CR1/CR2/CR3/CR5/CR6/CR7]
4	ME → USER	Confirmation phase with alpha ID	"Open ID" [CR4]
5	ME → NS	ORIGINATION REQUEST	with Service Option : 33, CDMA2000 PPP Packet Data
6	NS → ME	SERVICE CONNECT	with SO: 33, RLP Ver: 3
7	ME → NS	SERVICE CONNECT ACCEPT	
8	NS → ME	PPP LCP CONFIG REQ	
9	ME → NS	PPP LCP CONFIG ACK	
10	NS → ME	PPP CHAP CHALLENGE	
11	ME → NS	PPP CHAP RESPONSE	
12	NS → ME	PPP CHAP SUCCESS	
13	ME → NS	PPP IPCP CONFIG REQ	
14	NS → ME	PPP IPCP CONFIG ACK	w/ IP Address
15	ME → CS	TERMINAL RESPONSE: OPEN CHANNEL	Command performed successfully [CR8]

3 PROACTIVE COMMAND: OPEN CHANNEL (Step 3)

4 Command details:

5 Command number: 1

6 Command type: OPEN CHANNEL

7 Command qualifier: immediate link establishment, automatic
8   reconnection

9 Device identities:

10   Source device: UICC

11   Destination device: ME

12 Alpha Identifier:

13   Alpha Identifier   Open ID

1 Bearer:

2 Bearer type: DEFAULT BEARER FOR REQUESTED TRANSPORT
3   LAYER

4 Buffer size: 1400

5 Network access name: TestGp.rs

6 UICC/ME interface transport level:

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

8 Port number: 443

9 Data destination address: 01.01.01.01

10 Coding in Hex:

D0	31	81	03	01	40	03	82	02	81	82	05	07	4F	70	65
6E	20	49	44	35	01	03	39	02	05	78	47	0A	06	54	65
73	74	47	70	02	72	73	3C	03	02	01	BB	3E	05	21	01
01	01	01													

11 TERMINAL RESPONSE: OPEN CHANNEL (Step 15)

12 See the TERMINAL RESPONSE: OPEN CHANNEL (Step 14) of SEQ 2.

13 SEQ 4:   OPEN CHANNEL, immediate link establishment, bearer type "Default Bearer"
14   over TCP connection, command performed with modification (buffer size)

Step	Direction	Message/Action	Comments
1	CS → ME	PROACTIVE COMMAND PENDING: OPEN CHANNEL	
2	ME → <u>CS</u>	FETCH	
3	CS → ME	PROACTIVE COMMAND: OPEN CHANNEL	[CR1/CR2/CR3/CR5/CR6/CR7] (The ME may display channel opening information)
4	ME → NS	ORIGINATION REQUEST	with Service Option : 33, CDMA2000 PPP Packet Data
5	NS → ME	SERVICE CONNECT	with SO: 33, RLP Ver: 3
6	ME → NS	SERVICE CONNECT ACCEPT	
7	NS → ME	PPP LCP CONFIG REQ	
8	ME → NS	PPP LCP CONFIG ACK	
9	NS → ME	PPP CHAP CHALLENGE	
10	ME → NS	PPP CHAP RESPONSE	
11	NS → ME	PPP CHAP SUCCESS	
12	ME → NS	PPP IPCP CONFIG REQ	

13	NS → ME	PPP IPCP CONFIG ACK	w/ IP Address
14	ME → CS	TERMINAL RESPONSE: OPEN CHANNEL	Command performed successfully [CR8]

1 PROACTIVE COMMAND: OPEN CHANNEL (Step 3)

2 Command details:

3 Command number: 1

4 Command type: OPEN CHANNEL

5 Command qualifier: immediate link establishment, automatic
6   reconnection

7 Device identities:

8   Source device: UICC

9   Destination device: ME

10 Bearer:

11   Bearer type: DEFAULT BEARER FOR REQUESTED TRANSPORT
12   LAYER

13   Buffer size: 65535

14   Network access name: TestGp.rs

15   Text String: UserLog (User login)

16   Text String: UserPwd (User password)

17 UICC/ME interface transport level

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

19   Port number: 443

20 Data destination address   01.01.01.01

21 Coding in Hex:

D0	3C	81	03	01	40	03	82	02	81	82	35	01	03	39	02
FF	FF	47	0A	06	54	65	73	74	47	70	02	72	73	0D	08
F4	55	73	65	72	4C	6F	67	0D	08	F4	55	73	65	72	50
77	64	3C	03	02	01	BB	3E	05	21	01	01	01	01		

22 TERMINAL RESPONSE: OPEN CHANNEL (Step 14)

23 Command details

24 Command number: 1

25 Command type: OPEN CHANNEL

26 Command qualifier: immediate link establishment, automatic
27   reconnection

1   Device identities:

2   Source device: ME

3   Destination device: UICC

4   Result:

5   General Result: Command performed with modifications

6   Channel status   Channel identifier 1 and link established or packet
7   data service activated

8   Bearer:

9   Bearer type: DEFAULT BEARER FOR REQUESTED TRANSPORT
10   LAYER

11   Buffer size: Buffer size supported by the terminal for Open
12   Channel command.

13   Coding in Hex:

81	03	01	40	03	82	02	82	81	83	01	00	38	02	81	00
35	01	03	39	02	Note 1										

14   Note1: The buffer size TLV shall be attached and contain the value "Preferred buffer
15   size supported by the terminal for Open Channel command".

16   SEQ 5:   OPEN CHANNEL, immediate link establishment, bearer type "Default Bearer"
17   over TCP connection, with alpha identifier, user did not accept the proactive
18   command

Step	Direction	Message/Action	Comments
1	CS → ME	PROACTIVE COMMAND PENDING: OPEN CHANNEL	
2	ME → <u>CS</u>	FETCH	
3	CS → ME	PROACTIVE COMMAND: OPEN CHANNEL	[CR1/CR2/CR3/CR5/CR6/CR7]
4	ME → USER	Confirmation phase with alpha ID	„Open ID" [CR4]
5	USER → ME	The user rejects	
6	ME → CS	TERMINAL RESPONSE: OPEN CHANNEL	User did not accept the proactive command [CR8]

19   PROACTIVE COMMAND: OPEN CHANNEL (Step 3)

20   See the PROACTIVE COMMAND: OPEN CHANNEL (Step 3) of SEQ 3.

21   TERMINAL RESPONSE: OPEN CHANNEL (Step 6)

22   Command details

23   Command number: 1

24   Command type: OPEN CHANNEL

1 Command qualifier: immediate link establishment, automatic
2   reconnection

3 Device identities:

4   Source device: ME

5   Destination device: UICC

6 Result:

7   General Result: User did not accept the proactive command

8   Channel status   The presence and content of this TLV shall not be
9   verified

10 Bearer:

11   Bearer type: DEFAULT BEARER FOR REQUESTED TRANSPORT
12   LAYER

13   Buffer size: The value depends on the terminal's implementation

14 Coding in Hex:

81	03	01	40	03	82	02	82	81	83	01	22	Note 1	35	01
03	39	02	Note 2											

15 Note1: The presence and content of the Channel Status TLV shall not be verified.

16 Note 2: The buffer size TLV shall be present and because the value depends in this
17   case on the terminal's implementation, the value shall be ignored

18 SEQ 6: OPEN CHANNEL, immediate link establishment, bearer type "Default Bearer"
19   over TCP connection, null alpha identifier, ME busy in a call

Step	Direction	Message/Action	Comments
1	USER → ME	Set up a call	
2	ME → NS	ORIGINATION REQUEST	Voice call origination
3	NS → ME	SERVICE CONNECT	
4	ME → NS	SERVICE CONNECT ACCEPT	
5	CS → ME	PROACTIVE COMMAND PENDING: OPEN CHANNEL	
6	ME → <u>CS</u>	FETCH	
7	CS → ME	PROACTIVE COMMAND: OPEN CHANNEL	[CR1/CR2/CR3/CR5/CR6/CR7]
8	ME → USER		The ME shall not display channel opening information. [CR4]
9	ME → CS	TERMINAL RESPONSE: OPEN CHANNEL	ME busy on call [CR8]

1 PROACTIVE COMMAND: OPEN CHANNEL (Step 7)

2 See the PROACTIVE COMMAND: OPEN CHANNEL (Step 3) of SEQ 2.

3 TERMINAL RESPONSE: OPEN CHANNEL (Step 8)

4 Command details:

5 Command number: 1

6 Command type: OPEN CHANNEL

7 Command qualifier: immediate link establishment, automatic
8   reconnection

9 Device identities:

10   Source device: ME

11   Destination device: UICC

12 Result:

13   General Result: ME currently unable to process command

14   Additional info: ME busy on call

15 Bearer:

16   Bearer type: DEFAULT BEARER FOR REQUESTED TRANSPORT
17   LAYER

18   Buffer size: The value depends in this case on the terminal's
19   implementation.

20 Coding in Hex:

81	03	01	40	03	82	02	82	81	83	02	20	02	35	01	03
Note 1															

21 Note1: The buffer size TLV be present and because the value depends in this case on
22   the terminal's implementation, the value shall be ignored.

6.4.27.3.5   Test Requirement

24 • The ME shall operate in the manner defined in SEQ 1 to SEQ 6.

6.4.27.4 Reserved for OPEN CHANNEL(Local Bearer)

6.4.27.5 Void

6.4.27.6 OPEN CHANNEL (Related to UICC Server Mode)

6.4.27.6.1   Definition and Applicability

29 The ME shall support the OPEN CHANNEL (Related to UICC Server Mode) command
30 as defined in section 6.4.27 of [6].

31 This test case is applicable for all MEs supporting the option "Class E: Terminal
32 supports TCP, UICC in Server Mode" [Table A.1/58].

1 ### 6.4.27.6.2   Conformance Requirement

2 See section 27.22.4.27.6.1.2 of [7].

3 ### 6.4.27.6.3   Test Purpose

4 The purpose of the test is to verify that the ME supports the OPEN CHANNEL (Related
5 to UICC Server Mode) command.

6 The support of this command shall be tested as defined in 27.22.4.27.6.1 of [7].

7 ### 6.4.27.6.4   Method of Test

8 ### 6.4.27.6.4.1   Initial Conditions

9 The common initial conditions as defined in section 2.1 apply.

10 ### 6.4.27.6.4.2   Procedure

11 SEQ 1:   See section 27.22.4.27.6.1.4.2 of [7], Expected Sequence 6.1 (OPEN
12   CHANNEL, TCP in LISTEN state, successful)

13 SEQ 2:   See section 27.22.4.27.6.1.4.2 of [7], Expected Sequence 6.2 (OPEN
14   CHANNEL, TCP in LISTEN state, command performed with modification)

15 ### 6.4.27.6.5   Test Requirement

16 • The ME shall operate in the manner defined in SEQ 1and SEQ 2.

1 6.4.28   CLOSE CHANNEL

2 6.4.28.1 CLOSE CHANNEL (Related to Default Bearer)

3 6.4.28.1.1   Definition and Applicability

4 The ME shall support the CLOSE CHANNEL (Related to Default Network Bearer)
5 command as defined in section 6.4.28 of [6].

6 This test case is applicable for all MEs supporting the option "Class E: B.I.P related to
7 Default (Network) Bearer" [Table A.1/67] is supported.

8 6.4.28.1.2   Conformance Requirement

9 CR 1   The CLOSE CHANNEL proactive command requests the ME to close the
10   channel corresponding to the Channel identifier indicated in the Device
11   Identities as specified in clause 6.4.28 and 8.7 of [6].

12 CR 2   The ME shall parse and process the mandatory TLVs and optional TLVs in
13   the structure of CLOSE CHANNEL proactive command as described in
14   clause 6.6.28 of [6].

15 CR 3   Verify that the ME uses the Alpha Identifier in the proactive command as
16   defined in clause 6.4.28 of [6].

17 CR 4   The ME shall include the CLOSE CHANNEL specific TLVs objects in
18   TERMINAL RESPONSE as described in clause 6.8 of.

19 6.4.28.1.3   Test Purpose

20 Verify that the ME sends appropriate TERMINAL RESPONSE to the UICC after
21 receiving the CLOSE CHANNEL proactive command.

22 6.4.28.1.4   Method of Test

23 6.4.28.1.4.1   Initial Conditions

24 The common initial conditions as defined in section 2.1 apply.

25 ME and NS are configured for Simple IP with CHAP Authentication for packet data call
26 establishment.

27 For MEs supporting BIP related to Default Network Bearer, the PROACTIVE
28 COMMAND: OPEN CHANNEL shall be executed to open a channel successfully at the
29 beginning of the test.

30 6.4.28.1.4.2   Procedure

31 SEQ 1:   CLOSE CHANNEL (Successful)

Step	Direction	Message/Action	Comments
1	CS → ME	PROACTIVE COMMAND PENDING: OPEN CHANNEL	
2	ME → <u>CS</u>	FETCH	

3	CS → ME	PROACTIVE COMMAND: OPEN CHANNEL	The ME may display channel opening information
4	ME → NS	ORIGINATION REQUEST	with Service Option : 33, CDMA2000 PPP Packet Data
5	NS → ME	SERVICE CONNECT	with SO: 33, RLP Ver: 3
6	ME → NS	SERVICE CONNECT ACCEPT	
7	NS → ME	PPP LCP CONFIG REQ	
8	ME → NS	PPP LCP CONFIG ACK	
9	NS → ME	PPP CHAP CHALLENGE	
10	ME → NS	PPP CHAP RESPONSE	
11	NS → ME	PPP CHAP SUCCESS	
12	ME → NS	PPP IPCP CONFIG REQ	
13	NS → ME	PPP IPCP CONFIG ACK	w/ IP Address
14	ME → <u>CS</u>	TERMINAL RESPONSE: OPEN CHANNEL	Command performed successfully
15	CS → ME	PROACTIVE COMMAND PENDING: CLOSE CHANNEL	
16	ME → <u>CS</u>	FETCH	
17	CS → ME	PROACTIVE COMMAND: CLOSE CHANNEL	[CR1/CR2/CR3]
18	ME → NS	PPP LCP TERMINATE REQ	
19	NS → ME	PPP LCP TERMINATE ACK	
20	ME → CS	TERMINAL RESPONSE: CLOSE CHANNEL	Command performed successfully [CR4]

1 PROACTIVE COMMAND: OPEN CHANNEL (Step 3)

2 Command details:

3 Command number: 1

4 Command type: OPEN CHANNEL

5 Command qualifier: immediate link establishment, automatic
6   reconnection

7 Device identities:

8   Source device: UICC

9   Destination device: ME

10 Bearer:

11   Bearer type: DEFAULT BEARER FOR REQUESTED TRANSPORT
12   LAYER

13   Buffer size: 512

1   Network access name: TestGp.rs

2   Text String: UserLog (User login)

3   Text String: UserPwd (User password)

4   UICC/ME interface transport level:

5   Transport format: UDP, UICC in client mode, remote connection

6   Port number: 53

7   Data destination address: 01.01.01.01

8   Coding in Hex:

D0	3C	81	03	01	40	03	82	02	81	82	35	01	03	39	02
02	00	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	00	35	3E	05	21	01	01	01	01		

9   TERMINAL RESPONSE: OPEN CHANNEL (Step 14)

10   Command details:

11   Command number: 1

12   Command type: OPEN CHANNEL

13   Command qualifier: immediate link establishment, automatic
14   reconnection

15   Device identities

16   Source device: ME

17   Destination device: UICC

18   Result:

19   General Result: Command performed successfully

20   Channel status: Channel identifier 1 and link established or packet
21   data service activated

22   Bearer:

23   Bearer type: DEFAULT BEARER FOR REQUESTED TRANSPORT
24   LAYER

25   Buffer size: 512

26   Coding in Hex:

81	03	01	40	03	82	02	82	81	83	01	00	38	02	81	00
35	01	03	39	02	02	00									

27   PROACTIVE COMMAND: CLOSE CHANNEL (Step 17)

28   Command details:

29   Command number: 1

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1. Command type: CLOSE CHANNEL

2. Command qualifier: RFU

3. Device identities:

4. Source device: UICC

5. Destination device: Channel 1

6. Coding in Hex:

D0	09	81	03	01	41	00	82	02	81	21

7. TERMINAL RESPONSE: CLOSE CHANNEL (Step 20)

8. Command details:

9. Command number: 1

10. Command type: CLOSE CHANNEL

11. Command qualifier: RFU

12. Device identities:

13. Source device: ME

14. Destination device: UICC

15. Result:

16. General Result: Command performed successfully

17. Coding in Hex:

81	03	01	41	00	82	02	82	81	83	01	00

18. SEQ 2: CLOSE CHANNEL (with an invalid channel identifier)

Step	Direction	Message/Action	Comments
1	CS → ME	PROACTIVE COMMAND PENDING: OPEN CHANNEL	
2	ME → <u>CS</u>	FETCH	
3	CS → ME	PROACTIVE COMMAND: OPEN CHANNEL	The ME may display channel opening information
4	ME → NS	ORIGINATION REQUEST	with Service Option : 33, CDMA2000 PPP Packet Data
5	NS → ME	SERVICE CONNECT	with SO: 33, RLP Ver: 3
6	ME → NS	SERVICE CONNECT ACCEPT	
7	NS → ME	PPP LCP CONFIG REQ	
8	ME → NS	PPP LCP CONFIG ACK	
9	NS → ME	PPP CHAP CHALLENGE	

10	ME → NS	PPP CHAP RESPONSE	
11	NS → ME	PPP CHAP SUCCESS	
12	ME → NS	PPP IPCP CONFIG REQ	
13	NS → ME	PPP IPCP CONFIG ACK	w/ IP Address
14	ME → <u>CS</u>	TERMINAL RESPONSE: OPEN CHANNEL	Command performed successfully
15	CS → ME	PROACTIVE COMMAND PENDING: CLOSE CHANNEL	
16	ME → <u>CS</u>	FETCH	
17	CS → ME	PROACTIVE COMMAND: CLOSE CHANNEL	[CR1/CR2/CR3]
18	ME → CS	TERMINAL RESPONSE: CLOSE CHANNEL	Command performed successfully [CR4]

1. PROACTIVE COMMAND: OPEN CHANNEL (Step 3)

2. See the PROACTIVE COMMAND: OPEN CHANNEL (Step 3) of SEQ 1.

3. TERMINAL RESPONSE : OPEN CHANNEL (Step 14)

4. See the TERMINAL RESPONSE : OPEN CHANNEL (Step 14) of SEQ 1.

5. PROACTIVE COMMAND: CLOSE CHANNEL (Step 17)

6. Command details:

7. Command number: 1

8. Command type: CLOSE CHANNEL

9. Command qualifier: RFU

10. Device identities:

11. Source device: UICC

12. Destination device: Channel 2

13. Coding in Hex:

D0	09	81	03	01	41	00	82	02	81	22

14. TERMINAL RESPONSE: CLOSE CHANNEL (Step 18)

15. Command details:

16. Command number: 1

17. Command type: CLOSE CHANNEL

18. Command qualifier: RFU

19. Device identities

20. Source device: ME

1   Destination device: UICC

2   Result:

3   General Result: Bearer Independent Protocol error

4   Additional Result: Channel identifier not valid

5   Coding in Hex:

81	03	01	41	00	82	02	82	81	83	02	3A	03

6   SEQ 3:   CLOSE CHANNEL (already closed channel)

Step	Direction	Message/Action	Comments
1	CS → ME	PROACTIVE COMMAND PENDING: OPEN CHANNEL	
2	ME → <u>CS</u>	FETCH	
3	CS → ME	PROACTIVE COMMAND: OPEN CHANNEL	The ME may display channel opening information
4	ME → NS	ORIGINATION REQUEST	with Service Option : 33, CDMA2000 PPP Packet Data
5	NS → ME	SERVICE CONNECT	with SO: 33, RLP Ver: 3
6	ME → NS	SERVICE CONNECT ACCEPT	
7	NS → ME	PPP LCP CONFIG REQ	
8	ME → NS	PPP LCP CONFIG ACK	
9	NS → ME	PPP CHAP CHALLENGE	
10	ME → NS	PPP CHAP RESPONSE	
11	NS → ME	PPP CHAP SUCCESS	
12	ME → NS	PPP IPCP CONFIG REQ	
13	NS → ME	PPP IPCP CONFIG ACK	w/ IP Address
14	ME → <u>CS</u>	TERMINAL RESPONSE: OPEN CHANNEL	Command performed successfully
15	CS → ME	PROACTIVE COMMAND PENDING: CLOSE CHANNEL	
16	ME → <u>CS</u>	FETCH	
17	CS → ME	PROACTIVE COMMAND: CLOSE CHANNEL	[CR1/CR2/CR3]
18	ME → NS	PPP LCP TERMINATE REQ	
19	NS → ME	PPP LCP TERMINATE ACK	
20	ME → CS	TERMINAL RESPONSE: CLOSE CHANNEL	Command performed successfully

21	CS → ME	PROACTIVE COMMAND PENDING: CLOSE CHANNEL	
22	ME → <u>CS</u>	FETCH	
23	CS → ME	PROACTIVE COMMAND: CLOSE CHANNEL	[CR1/CR2/CR3]
24	ME → CS	TERMINAL RESPONSE A: CLOSE CHANNEL or TERMINAL RESPONSE B: CLOSE CHANNEL	[CR4] A: BIP error, Channel closed B: BIP error, Channel identifier invalid

1 PROACTIVE COMMAND: OPEN CHANNEL (Step 3)

2 See the PROACTIVE COMMAND: OPEN CHANNEL (Step 3) of SEQ 1.

3 TERMINAL RESPONSE: OPEN CHANNEL (Step 14)

4 See the TERMINAL RESPONSE : OPEN CHANNEL (Step 14) of SEQ 1.

5 PROACTIVE COMMAND: CLOSE CHANNEL (Step 17)

6 See the PROACTIVE COMMAND: CLOSE CHANNEL (Step 17) of SEQ 1.

7 TERMINAL RESPONSE CLOSE CHANNEL (step 20)

8 See the TERMINAL RESPONSE : CLOSE CHANNEL (step 20) of SEQ 1.

9 PROACTIVE COMMAND: CLOSE CHANNEL (Step 23)

10 See the PROACTIVE COMMAND: CLOSE CHANNEL (Step 17) of SEQ 1.

11 TERMINAL RESPONSE A: CLOSE CHANNEL (Step 24)

12 Command details:

13   Command number: 1

14   Command type: CLOSE CHANNEL

15   Command qualifier: RFU

16   Device identities:

17   Source device: ME

18   Destination device: UICC

19   Result:

20   General Result: Bearer Independent Protocol error

21   Additional Result: Channel closed

22 Coding in Hex:

81	03	01	41	00	82	02	82	81	83	02	3A	02

1 TERMINAL RESPONSE B: CLOSE CHANNEL (Step 24)

2 Command details:

3 Command number: 1

4 Command type: CLOSE CHANNEL

5 Command qualifier: RFU

6 Device identities:

7 Source device: ME

8 Destination device: UICC

9 Result:

10 General Result: Bearer Independent Protocol error

11 Additional Result: Channel identifier invalid

12 Coding in Hex:

81	03	01	41	00	82	02	82	81	83	02	3A	03

13 ### 6.4.28.1.5   Test Requirement

14 • The ME shall operate in the manner defined in SEQ 1 to SEQ 3.

15 ## 6.4.28.2 Reserved for CLOSE CHANNEL (Support of Text Attribute)

16 ## 6.4.28.3 CLOSE CHANNEL (Related to UICC Server Mode)

17 ### 6.4.28.3.1   Definition and Applicability

18 The ME shall support the CLOSE CHANNEL (Related to UICC Server Mode) command
19 as defined in section 6.4.28 of [6].

20 This test case is applicable for all MEs supporting the option "Class E: Terminal
21 supports TCP, UICC in Server Mode" [Table A.1/58].

22 ### 6.4.28.3.2   Conformance Requirement

23 See section 27.22.4.28.3.2 of [7].

24 ### 6.4.28.3.3   Test Purpose

25 The purpose of the test is to verify that the ME supports the CLOSE CHANNEL
26 (Related to UICC Server Mode) command.

27 The support of this command shall be tested as defined in 27.22.4.28.3 of [7].

28 ### 6.4.28.3.4   Method of Test

29 ### 6.4.28.3.4.1 Initial Conditions

30 The common initial conditions as defined in section 2.1 apply.

1 6.4.28.3.4.2 Procedure

2 SEQ 1:   See section 27.22.4.28.3.4.2 of [7], Expected Sequence 3.1 (CLOSE
3 CHANNEL, go to "TCP in LISTEN state", successful)

4 SEQ 2:   See section 27.22.4.28.3.4.2 of [7], Expected Sequence 3.2 (CLOSE
5 CHANNEL, go to "TCP in CLOSED state", successful)

6 6.4.28.3.5 Test Requirement

7 • The ME shall operate in the manner defined in SEQ 1 and SEQ 2.

6.4.29   RECEIVE DATA

6.4.29.1 RECEIVE DATA (Normal)

6.4.29.1.1   Definition and Applicability

The ME shall support the RECEIVE DATA command as defined in section 6.4.29 of [6].

This test case is applicable for all MEs supporting the option "Class E: B.I.P related to Default (Network) Bearer" [Table A.1/67].

6.4.29.1.2   Conformance Requirements

CR 1   The RECEIVE DATA proactive command requests the ME to return data from a dedicated Channel Identifier (indicated in the Device Identities) according to the number of bytes specified by the UICC as defined in clause 6.4.29 of [6].

CR 2   The ME shall parse and process the mandatory TLVs and optional TLVs in the structure of RECEIVE DATA proactive command as described in clause 6.6.29 of [6].

CR 3   Verify that upon receiving this command, the ME returns the data available in the Rx buffer corresponding to the Channel Identifier.

CR 4   If the requested number of bytes is available in the buffer, the ME shall inform the UICC that the command has been successfully executed, using a TERMINAL RESPONSE and return the requested data and the number of bytes remaining in the channel buffer.

CR 5   Verify that the ME uses the Alpha Identifier in the proactive command as defined in clause 6.4.29 of [6].

CR 6   The ME shall include RECEIVE DATA specific TLV objects in TERMINAL RESPONSE as described in clause 6.6.29 of [6].

CR 7   The ME shall code Channel Data Length in the TERMINAL RESPONSE as defined in clause 8.54 of [6].

CR 8   If the channel buffer is empty when new data arrives in it, the ME shall inform the UICC that this has occurred, by using the ENVELOPE (EVENT DOWNLOAD - Data available) command as defined in clause 7.5.10.1 of [6].

6.4.29.1.3   Test Purpose

Verify that the ME sends appropriate TERMINAL RESPONSE to the UICC after receiving the RECEIVE DATA proactive command.

6.4.29.1.4   Method of Test

6.4.29.1.4.1   Initial Conditions

The common initial conditions as defined in section 2.1 do apply.

ME and NS are configured for Simple IP with CHAP Authentication for packet data call establishment using data specified in section 2.2.3.

1 ## 6.4.29.1.4.2 Procedure

2 SEQ 1:   RECEIVE DATA, already opened channel

Step	Direction	Message/Action	Comments
1	CS → ME	PROACTIVE COMMAND PENDING: SET UP EVENT LIST	
2	ME → <u>CS</u>	FETCH	
3	CS → ME	PROACTIVE COMMAND: SET UP EVENT LIST	
4	ME → <u>CS</u>	TERMINAL RESPONSE: SET UP EVENT LIST	
5	CS → ME	PROACTIVE COMMAND PENDING: OPEN CHANNEL	
6	ME → <u>CS</u>	FETCH	
7	CS → ME	PROACTIVE COMMAND: OPEN CHANNEL	The ME may display channel opening information
8	ME → NS	ORIGINATION REQUEST	with Service Option : 33, CDMA2000 PPP Packet Data
9	NS → ME	SERVICE CONNECT	with SO: 33, RLP Ver: 3
10	ME → NS	SERVICE CONNECT ACCEPT	
11	NS → ME	PPP LCP CONFIG REQ	
12	ME → NS	PPP LCP CONFIG ACK	
13	NS → ME	PPP CHAP CHALLENGE	
14	ME → NS	PPP CHAP RESPONSE	
15	NS → ME	PPP CHAP SUCCESS	
16	ME → NS	PPP IPCP CONFIG REQ	
17	NS → ME	PPP IPCP CONFIG ACK	w/ IP Address
18	ME → <u>CS</u>	TERMINAL RESPONSE: OPEN CHANNEL	Command performed successfully
19	CS → ME	PROACTIVE COMMAND PENDING: SEND DATA	
20	ME → <u>NS</u>	FETCH	
21	CS → ME	PROACTIVE COMMAND: SEND DATA (immediate)	
22	ME → NS	Transfer of 8 Bytes of data to the NS through channel 1	To retrieve ME's port number
23	ME → <u>CS</u>	TERMINAL RESPONSE: SEND DATA (immediate)	Command performed successfully

24	NS → ME	Transfer of 1000 Bytes of data to the ME through channel 1 using the ME's port number, which was retrieved in Step 22	
25	ME → CS	ENVELOPE: EVENT DOWNLOAD - Data available	1000 Bytes of data in the ME buffer. [CR8]
26	CS → ME	PROACTIVE COMMAND PENDING: RECEIVE DATA	
27	ME → NS	FETCH	
28	CS → ME	PROACTIVE COMMAND: RECEIVE DATA	200 bytes [CR1/CR2/CR3/CR5]
29	ME → CS	TERMINAL RESPONSE: RECEIVE DATA	[CR4/CR6/CR7]
30	CS → ME	PROACTIVE COMMAND PENDING: RECEIVE DATA	
31	ME → NS	FETCH	
32	CS → ME	PROACTIVE COMMAND: RECEIVE DATA	200 bytes [CR1/CR2/CR3/CR5]
33	ME → CS	TERMINAL RESPONSE: RECEIVE DATA	[CR4/CR6/CR7]
34	CS → ME	PROACTIVE COMMAND PENDING: RECEIVE DATA	
35	ME → NS	FETCH	
36	CS → ME	PROACTIVE COMMAND: RECEIVE DATA	200 bytes [CR1/CR2/CR3/CR5]
37	ME → CS	TERMINAL RESPONSE: RECEIVE DATA	[CR4/CR6/CR7]
38	CS → ME	PROACTIVE COMMAND PENDING: RECEIVE DATA	
39	ME → NS	FETCH	
40	CS → ME	PROACTIVE COMMAND: RECEIVE DATA	200 bytes [CR1/CR2/CR3/CR5]
41	ME → CS	TERMINAL RESPONSE: RECEIVE DATA	[CR4/CR6/CR7]
42	CS → ME	PROACTIVE COMMAND PENDING: RECEIVE DATA	
43	ME → NS	FETCH	
44	CS → ME	PROACTIVE COMMAND: RECEIVE DATA	200 bytes [CR1/CR2/CR3/CR5]
45	ME → CS	TERMINAL RESPONSE: RECEIVE DATA	[CR4/CR6/CR7]

1   PROACTIVE COMMAND: SET UP EVENT LIST (Step 3)

2   Command details:

3   Command number: 1

4   Command type: SET UP EVENT LIST

5   Command qualifier: RFU

6   Device identities:

7   Source device: UICC

8   Destination device: ME

9   Event list: Data available

10   Coding in Hex:

D0	0C	81	03	01	05	00	82	02	81	82	99	01	09

11   TERMINAL RESPONSE: SET UP EVENT LIST (Step 4)

12   Command details:

13   Command number: 1

14   Command type: SET UP EVENT LIST

15   Command qualifier: RFU

16   Device identities:

17   Source device: ME

18   Destination device: UICC

19   Result:

20   General Result: Command performed successfully

21   Buffer size: 512

22   Coding in Hex:

81	03	01	05	00	82	02	82	81	83	01	00

23   PROACTIVE COMMAND: OPEN CHANNEL (Step 7)

24   Command details:

25   Command number: 1

26   Command type: OPEN CHANNEL

27   Command qualifier: immediate link establishment, automatic
28   reconnection

29   Device identities:

30   Source device: UICC

31   Destination device: ME

1 Bearer:

2   Bearer type: DEFAULT BEARER FOR REQUESTED TRANSPORT
3   LAYER

4   Buffer size: 1000

5   Network access name: TestGp.rs

6   Text String: UserLog (User login)

7   Text String: UserPwd (User password)

8 UICC/ME interface transport level

9   Transport format: UDP, UICC in client mode, remote connection

10   Port number: 53

11 Data destination address   01.01.01.01

12 Coding in Hex:

D0	3C	81	03	01	40	03	82	02	81	82	35	01	03	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	00	35	3E	05	21	01	01	01	01		

13 TERMINAL RESPONSE: OPEN CHANNEL (Step 18)

14 Command details:

15   Command number: 1

16   Command type: OPEN CHANNEL

17   Command qualifier: immediate link establishment, automatic
18   reconnection

19 Device identities:

20   Source device: ME

21   Destination device: UICC

22 Result:

23   General Result: Command performed successfully

24   Channel status: Channel identifier 1 and link established or packet
25   data service activated

26 Bearer:

27   Bearer type: DEFAULT BEARER FOR REQUESTED TRANSPORT
28   LAYER

29   Buffer size: 1000

30 Coding in Hex:

81	03	01	40	03	82	02	82	81	83	01	00	38	02	81	00
35	01	03	39	02	03	E8									

1 PROACTIVE COMMAND: SEND DATA (Step 21)

2 Command details:

3   Command number: 1

4   Command type: SEND DATA

5   Command qualifier: Send Immediately

6   Device identities:

7   Source device: UICC

8   Destination device: Channel 1

9   Channel Data:

10   Channel Data: 00 01 .. 07 (8 Bytes of data)

11 Coding in Hex:

D0	13	81	03	01	43	01	82	02	81	21	B6	08	00	01	02
03	04	05	06	07											

12 TERMINAL RESPONSE: SEND DATA (Step 23)

13 Command details:

14   Command number: 1

15   Command type: SEND DATA

16   Command qualifier: Send Immediately

17   Device identities:

18   Source device: ME

19   Destination device: UICC

20   Result:

21   General Result: Command performed successfully

22   Channel data length: More than 255 bytes of space available in the Tx
23   buffer

24 Coding in Hex:

81	03	01	43	01	82	02	82	81	83	01	00	B7	01	FF

25 ENVELOPE: EVENT DOWNLOAD - Data available (Step 25)

26 Command details:

27   Event list:

28   Event: Data available

29   Device identities:

30   Source device: ME

31   Destination device: UICC

1   Channel:

2   Channel status: Channel 1 open, link established

3   Channel data length: FF (more than 255 bytes are available)

4   Coding in Hex:

D6	0E	99	01	09	82	02	82	81	B8	02	81	00	B7	01	FF

5   PROACTIVE COMMAND: RECEIVE DATA (Step 28)

6   Command details:

7   Command number: 1

8   Command type: RECEIVE DATA

9   Command qualifier: RFU

10   Device identities:

11   Source device: UICC

12   Destination device: Channel 1

13   Channel:

14   Channel Data Length: 200

15   Coding in Hex:

D0	0C	81	03	01	42	00	82	02	81	21	B7	01	C8

16   TERMINAL RESPONSE: RECEIVE DATA (Step 29)

17   Command details:

18   Command number: 1

19   Command type: RECEIVE DATA

20   Command qualifier: RFU

21   Device identities:

22   Source device: ME

23   Destination device: UICC

24   Result:

25   General Result: Command performed successfully

26   Channel:

27   Channel Data :   00 01 02 .. C7 (200 Bytes of data)

28   Channel data length: FF

29   Coding in Hex:

81	03	01	42	00	82	02	82	81	83	01	00	B6	81	C8	00
01	02	..	C7	B7	01	FF									

1 PROACTIVE COMMAND: RECEIVE DATA (Step 32)

2 Command details:

3   Command number: 2

4   Command type: RECEIVE DATA

5   Command qualifier: RFU

6   Device identities:

7   Source device: UICC

8   Destination device: Channel 1

9   Channel:

10   Channel Data Length: 200

11 Coding in Hex:

D0	0C	81	03	02	42	00	82	02	81	21	B7	01	C8

12 TERMINAL RESPONSE: RECEIVE DATA (Step 33)

13 Command details:

14   Command number: 2

15   Command type: RECEIVE DATA

16   Command qualifier: RFU

17   Device identities:

18   Source device: ME

19   Destination device: UICC

20   Result:

21   General Result: Command performed successfully

22   Channel:

23   Channel Data :   C8 C9 CA .. FF 00 01 .. 8F (200 Bytes of data)

24   Channel data length: FF

25 Coding in Hex:

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				

26 PROACTIVE COMMAND: RECEIVE DATA (Step 36)

27 Command details:

28   Command number: 3

29   Command type: RECEIVE DATA

30   Command qualifier: RFU

1   Device identities:

2   Source device: UICC

3   Destination device: Channel 1

4   Channel:

5   Channel Data Length: 200

6   Coding in Hex:

D0	0C	81	03	03	42	00	82	02	81	21	B7	01	C8

7   TERMINAL RESPONSE: RECEIVE DATA (Step 37)

8   Command details:

9   Command number: 3

10   Command type: RECEIVE DATA

11   Command qualifier: RFU

12   Device identities:

13   Source device: ME

14   Destination device: UICC

15   Result:

16   General Result: Command performed successfully

17   Channel:

18   Channel Data :   90 91 .. FF 00 01 - 57 (200 Bytes of data)

19   Channel data length: FF

20   Coding in Hex:

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				

21   PROACTIVE COMMAND: RECEIVE DATA (Step 40)

22   Command details:

23   Command number: 4

24   Command type: RECEIVE DATA

25   Command qualifier: RFU

26   Device identities:

27   Source device: UICC

28   Destination device: Channel 1

29   Channel:

30   Channel Data Length: 200

1. Coding in Hex:

D0	0C	81	03	04	42	00	82	02	81	21	B7	01	C8

2. TERMINAL RESPONSE: RECEIVE DATA (Step 41)

3. Command details:

4.   Command number: 4

5.   Command type: RECEIVE DATA

6.   Command qualifier: RFU

7.   Device identities:

8.   Source device: ME

9.   Destination device: UICC

10.   Result:

11.   General Result: Command performed successfully

12.   Channel:

13.   Channel Data :   58 59 .. FF 00 01 .. 1F (200 Bytes of data)

14.   Channel data length: C8

15. Coding in Hex:

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				

16. PROACTIVE COMMAND: RECEIVE DATA (Step 44)

17. Command details:

18.   Command number: 5

19.   Command type: RECEIVE DATA

20.   Command qualifier: RFU

21.   Device identities:

22.   Source device: UICC

23.   Destination device: Channel 1

24.   Channel:

25.   Channel Data Length: 200

26. Coding in Hex:

D0	0C	81	03	05	42	00	82	02	81	21	B7	01	C8

27. TERMINAL RESPONSE: RECEIVE DATA (Step 45)

28. Command details:

29.   Command number: 5

1   Command type: RECEIVE DATA

2   Command qualifier: RFU

3   Device identities:

4   Source device: ME

5   Destination device: UICC

6   Result:

7   General Result: Command performed successfully

8   Channel:

9   Channel Data :   20 21 .. E7 (200 Bytes of data)

10   Channel data length: 00

11   Coding in Hex:

81	03	05	42	00	82	02	82	81	83	01	00	B6	81	C8	20
21	22	..	E7	B7	01	FF									

12   ## 6.4.29.2 Reserved for RECEIVE DATA (Support of Text Attribute)

1 6.4.30 SEND DATA

2 6.4.30.1 SEND DATA (Normal)

3 6.4.30.1.1 Definition and Applicability

4 The ME shall support the SEND DATA command as defined in section 6.4.30 of [6].

5 This test case is applicable for all MEs supporting the option "Class E: B.I.P related to
6 Default (Network) Bearer" [Table A.1/67].

7 6.4.30.1.2 Conformance Requirements

8 CR 1   SEND DATA proactive command requests the ME to send data through a
9   previously set up data channel corresponding to a dedicated Channel
10   identifier as specified in clause 6.4.30 of [6].

11 CR 2   Upon receiving this command ME shall send the data over the data channel
12   immediately or store in the TX buffer as defined in clauses 6.4.30 and 8.6 of
13   [6].

14 CR 3   ME shall parse and process mandatory TLVs and optional TLVs in the
15   structure of SEND DATA proactive command as described in clause 6.6.30 of
16   [6].

17 CR 4   The use of Alpha Identifier in the proactive command shall be as defined in
18   clause 6.6.30 of [6].

19 CR 5   ME shall return in the TERMINAL RESPONSE the number of bytes of empty
20   space available in the Tx buffer as defined in clause 6.4.30 and 8.54 of [6].

21 6.4.30.1.3 Test Purpose

22 Verify that the ME sends appropriate TERMINAL RESPONSE to the UICC after
23 receiving the SEND DATA proactive command.

24 6.4.30.1.4 Method of Test

25 6.4.30.1.4.1 Initial Conditions

26 The common initial conditions as defined in section 2.1 apply.

27 ME and NS are configured for Simple IP with CHAP Authentication for packet data call
28 establishment using data specified in section 2.2.3.

29 6.4.30.1.4.2 Procedure

30 SEQ 1:   SEND DATA, immediate mode

Step	Direction	Message/Action	Comments
1	CS → ME	PROACTIVE COMMAND PENDING: OPEN CHANNEL	
2	ME → <u>CS</u>	FETCH	
3	CS → ME	PROACTIVE COMMAND: OPEN CHANNEL	The ME may display channel opening information

4	ME → NS	ORIGINATION REQUEST	with Service Option : 33, CDMA2000 PPP Packet Data
5	NS → ME	SERVICE CONNECT	with SO: 33, RLP Ver: 3
6	ME → NS	SERVICE CONNECT ACCEPT	
7	NS → ME	PPP LCP CONFIG REQ	
8	ME → NS	PPP LCP CONFIG ACK	
9	NS → ME	PPP CHAP CHALLENGE	
10	ME → NS	PPP CHAP RESPONSE	
11	NS → ME	PPP CHAP SUCCESS	
12	ME → NS	PPP IPCP CONFIG REQ	
13	NS → ME	PPP IPCP CONFIG ACK	w/ IP Address
14	ME → <u>CS</u>	TERMINAL RESPONSE: OPEN CHANNEL	Command performed successfully
15	CS → ME	PROACTIVE COMMAND PENDING: SEND DATA	
16	ME → <u>CS</u>	FETCH	
17	CS → ME	PROACTIVE COMMAND: SEND DATA	[CR1/CR2/CR3/CR4]
18	ME → NS	Transfer of 8 Bytes of data to the NS through channel 1	NS receives 8 Bytes
19	ME → CS	TERMINAL RESPONSE: SEND DATA	Command performed successfully. [CR5]

1 PROACTIVE COMMAND: OPEN CHANNEL (Step 3)

2 Command details:

3 Command number: 1

4 Command type: OPEN CHANNEL

5 Command qualifier: immediate link establishment, automatic
6   reconnection

7 Device identities:

8 Source device: UICC

9 Destination device: ME

10 Bearer:

11 Bearer type: DEFAULT BEARER FOR REQUESTED TRANSPORT
12   LAYER

13 Buffer size: 1000

14 Network access name: TestGp.rs

15 Text String: UserLog (User login)

1   Text String: UserPwd (User password)

2   UICC/ME interface transport level

3   Transport format: UDP, UICC in client mode, remote connection

4   Port number: 53

5   Data destination address 01.01.01.01

6   Coding in Hex:

D0	3C	81	03	01	40	03	82	02	81	82	35	01	03	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	00	35	3E	05	21	01	01	01	01		

7   TERMINAL RESPONSE: OPEN CHANNEL (Step 14)

8   Command details:

9   Command number: 1

10   Command type: OPEN CHANNEL

11   Command qualifier: immediate link establishment, automatic
12   reconnection

13   Device identities:

14   Source device: ME

15   Destination device: UICC

16   Result:

17   General Result: Command performed successfully

18   Channel status: Channel identifier 1 and link established or packet
19   data service activated

20   Bearer:

21   Bearer type: DEFAULT BEARER FOR REQUESTED TRANSPORT
22   LAYER

23   Buffer size: 1000

24   Coding in Hex:

81	03	01	40	03	82	02	82	81	83	01	00	38	02	81	00
35	01	03	39	02	03	E8									

25   PROACTIVE COMMAND: SEND DATA (Step 17)

26   Command details:

27   Command number: 1

28   Command type: SEND DATA

29   Command qualifier: Send Immediately

1   Device identities:

2   Source device: UICC

3   Destination device: Channel 1

4   Channel Data:

5   Channel Data: 00 01 .. 07 (8 Bytes of data)

6   Coding in Hex:

D0	13	81	03	01	43	01	82	02	81	21	B6	08	00	01	02
03	04	05	06	07											

7   TERMINAL RESPONSE: SEND DATA (Step 19)

8   Command details:

9   Command number: 1

10   Command type: SEND DATA

11   Command qualifier: Send Immediately

12   Device identities:

13   Source device: ME

14   Destination device: UICC

15   Result:

16   General Result: Command performed successfully

17   Channel data length: More than 255 bytes of space available in the Tx
18   buffer

19   Coding in Hex:

81	03	01	43	01	82	02	82	81	83	01	00	B7	01	FF

20   SEQ 2:   SEND DATA, store mode

Step	Direction	Message/Action	Comments
1	CS → ME	PROACTIVE COMMAND PENDING: OPEN CHANNEL	
2	ME → <u>CS</u>	FETCH	
3	CS → ME	PROACTIVE COMMAND: OPEN CHANNEL	The ME may display channel opening information
4	ME → NS	ORIGINATION REQUEST	with Service Option : 33, CDMA2000 PPP Packet Data
5	NS → ME	SERVICE CONNECT	with SO: 33, RLP Ver: 3
6	ME → NS	SERVICE CONNECT ACCEPT	
7	NS → ME	PPP LCP CONFIG REQ	

8	ME → NS	PPP LCP CONFIG ACK	
9	NS → ME	PPP CHAP CHALLENGE	
10	ME → NS	PPP CHAP RESPONSE	
11	NS → ME	PPP CHAP SUCCESS	
12	ME → NS	PPP IPCP CONFIG REQ	
13	NS → ME	PPP IPCP CONFIG ACK	w/ IP Address
14	ME → CS	TERMINAL RESPONSE: OPEN CHANNEL	Command performed successfully
15	CS → ME	PROACTIVE COMMAND PENDING: SEND DATA	
16	ME → CS	FETCH	
17	CS → ME	PROACTIVE COMMAND: SEND DATA (store mode)	Send 500 Bytes of data (200 + 200 + 100) [CR1/CR2/CR3/CR4]
18	ME → CS	TERMINAL RESPONSE: SEND DATA (store mode)	Command performed successfully. [CR5]
19	CS → ME	PROACTIVE COMMAND PENDING: SEND DATA	
20	ME → CS	FETCH	
21	CS → ME	PROACTIVE COMMAND: SEND DATA (store mode)	200 Bytes. [CR1/CR2/CR3/CR4]
22	ME → CS	TERMINAL RESPONSE: SEND DATA (store mode)	Command performed successfully. [CR5]
23	CS → ME	PROACTIVE COMMAND PENDING: SEND DATA	
24	ME → CS	FETCH	
25	CS → ME	PROACTIVE COMMAND: SEND DATA (store mode)	100 Bytes. [CR1/CR2/CR3/CR4]
26	ME → NS	Transfer of 500 Bytes of data tot he NS through channel 1	NS receives 500 Bytes
27	ME → CS	TERMINAL RESPONSE: SEND DATA	Command performed successfully. [CR5]

1 PROACTIVE COMMAND: OPEN CHANNEL (Step 3)

2 See the PROACTIVE COMMAND: OPEN CHANNEL (Step 3) of SEQ 1.

3 TERMINAL RESPONSE : OPEN CHANNEL (Step 14)

4 See the TERMINAL RESPONSE : OPEN CHANNEL (Step 14) of SEQ 1.

5 PROACTIVE COMMAND: SEND DATA (Step 17)

6 Command details:

7 Command number: 1

1	Command type:	SEND DATA
2	Command qualifier:	Store mode
3	Device identities:	
4	Source device:	UICC
5	Destination device:	Channel 1
6	Channel Data:	
7	Channel Data:	00 01 .. C7 (200 Bytes of data)

8 Coding in Hex:

| D0 | 81 | D4 | 81 | 03 | 01 | 43 | 00 | 82 | 02 | 81 | 21 | B6 | 81 | C8 | 00 |
| 01 | .. | C7 | | | | | | | | | | | | | |

9 TERMINAL RESPONSE: SEND DATA (Step 18)

10	Command details:	
11	Command number:	1
12	Command type:	SEND DATA
13	Command qualifier:	Store mode
14	Device identities:	
15	Source device:	ME
16	Destination device:	UICC
17	Result:	
18	General Result:	Command performed successfully
19	Channel data length:	More than 255 bytes of space available in the Tx
20		buffer

21 Coding in Hex:

| 81 | 03 | 01 | 43 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 | B7 | 01 | FF |

22 PROACTIVE COMMAND: SEND DATA (Step 21)

23	Command details:	
24	Command number:	1
25	Command type:	SEND DATA
26	Command qualifier:	Store mode
27	Device identities:	
28	Source device:	UICC
29	Destination device:	Channel 1
30	Channel Data:	
31	Channel Data:	C8 C9 .. FF 00 01 .. 8F (200 Bytes of data)

1   Coding in Hex:

D0	81	D4	81	03	01	43	00	82	02	81	21	B6	81	C8	C8
C9	..	FF	00	01	..	8F									

2   TERMINAL RESPONSE: SEND DATA (Step 22)

3   Command details:

4   Command number: 1

5   Command type: SEND DATA

6   Command qualifier: Store mode

7   Device identities:

8   Source device: ME

9   Destination device: UICC

10   Result:

11   General Result: Command performed successfully

12   Channel data length: More than 255 bytes of space available in the Tx
13   buffer

14   Coding in Hex:

81	03	01	43	00	82	02	82	81	83	01	00	B7	01	FF

15   PROACTIVE COMMAND: SEND DATA (Step 25)

16   Command details:

17   Command number: 1

18   Command type: SEND DATA

19   Command qualifier: Store mode

20   Device identities:

21   Source device: UICC

22   Destination device: Channel 1

23   Channel Data:

24   Channel Data: 90 91 .. F3 (100 Bytes of data)

25   Coding in Hex:

D0	6F	81	03	01	43	01	82	02	81	21	B6	64	90	91	..
F3															

26   TERMINAL RESPONSE: SEND DATA (Step 27)

27   Command details:

28   Command number: 1

1   Command type: SEND DATA

2   Command qualifier: Immediate mode

3   Device identities:

4   Source device: ME

5   Destination device: UICC

6   Result:

7   General Result: Command performed successfully

8   Channel data length: More than 255 bytes of space available in the Tx
9   buffer

10   Coding in Hex:

81	03	01	43	01	82	02	82	81	83	01	00	B7	01	FF

11   SEQ 3:   SEND DATA, store mode, Tx buffer fully used

Step	Direction	Message/Action	Comments
1	CS → ME	PROACTIVE COMMAND PENDING: OPEN CHANNEL	
2	ME → <u>CS</u>	FETCH	
3	CS → ME	PROACTIVE COMMAND: OPEN CHANNEL	The ME may display channel opening information
4	ME → NS	ORIGINATION REQUEST	with Service Option : 33, CDMA2000 PPP Packet Data
5	NS → ME	SERVICE CONNECT	with SO: 33, RLP Ver: 3
6	ME → NS	SERVICE CONNECT ACCEPT	
7	NS → ME	PPP LCP CONFIG REQ	
8	ME → NS	PPP LCP CONFIG ACK	
9	NS → ME	PPP CHAP CHALLENGE	
10	ME → NS	PPP CHAP RESPONSE	
11	NS → ME	PPP CHAP SUCCESS	
12	ME → NS	PPP IPCP CONFIG REQ	
13	NS → ME	PPP IPCP CONFIG ACK	w/ IP Address
14	ME → <u>CS</u>	TERMINAL RESPONSE: OPEN CHANNEL	Command performed successfully
15	CS → ME	PROACTIVE COMMAND PENDING: SEND DATA	
16	ME → <u>CS</u>	FETCH	
17	CS → ME	PROACTIVE COMMAND: SEND DATA (store mode)	Send 1000 Bytes of data in packets of 200 Bytes. [CR1/CR2/CR3/CR4]

18	ME → CS	TERMINAL RESPONSE: SEND DATA (store mode)	Command performed successfully. [CR5]
19	CS → ME	PROACTIVE COMMAND PENDING: SEND DATA	
20	ME → <u>CS</u>	FETCH	
21	CS → ME	PROACTIVE COMMAND: SEND DATA (store mode)	200 Bytes. [CR1/CR2/CR3/CR4]
22	ME → CS	TERMINAL RESPONSE: SEND DATA (store mode)	Command performed successfully. [CR5]
23	CS → ME	PROACTIVE COMMAND PENDING: SEND DATA	
24	ME → <u>CS</u>	FETCH	
25	CS → ME	PROACTIVE COMMAND: SEND DATA (store mode)	200 Bytes. [CR1/CR2/CR3/CR4]
26	ME → CS	TERMINAL RESPONSE: SEND DATA (store mode)	Command performed successfully. [CR5]
27	CS → ME	PROACTIVE COMMAND PENDING: SEND DATA	
28	ME → <u>CS</u>	FETCH	
29	CS → ME	PROACTIVE COMMAND: SEND DATA (store mode)	200 Bytes. [CR1/CR2/CR3/CR4]
30	ME → CS	TERMINAL RESPONSE: SEND DATA (store mode)	Command performed successfully. [CR5]
31	CS → ME	PROACTIVE COMMAND PENDING: SEND DATA	
32	ME → <u>CS</u>	FETCH	
33	CS → ME	PROACTIVE COMMAND: SEND DATA (store mode)	200 Bytes. [CR1/CR2/CR3/CR4]
34	ME → NS	Transfer of 1000 Bytes of data tot he NS through channel 1	NS receives 1000 Bytes
35	ME → CS	TERMINAL RESPONSE: SEND DATA	Command performed successfully. [CR5]

1 PROACTIVE COMMAND: OPEN CHANNEL (Step 3)

2 See the PROACTIVE COMMAND: OPEN CHANNEL (Step 3) of SEQ 1.

3 TERMINAL RESPONSE : OPEN CHANNEL (Step 14)

4 See the TERMINAL RESPONSE : OPEN CHANNEL (Step 14) of SEQ 1.

5 PROACTIVE COMMAND: SEND DATA (Step 17)

6 Command details:

7   Command number: 1

8   Command type: SEND DATA

1 Command qualifier: Store mode

2 Device identities:

3   Source device: UICC

4   Destination device: Channel 1

5 Channel Data:

6   Channel Data: 00 01 .. C7 (200 Bytes of data)

7 Coding in Hex:

D0	81	D4	81	03	01	43	00	82	02	81	21	B6	81	C8	00
01	..	C7													

8 TERMINAL RESPONSE: SEND DATA (Step 18)

9 Command details:

10   Command number: 1

11   Command type: SEND DATA

12   Command qualifier: Store mode

13   Device identities:

14   Source device: ME

15   Destination device: UICC

16   Result:

17   General Result: Command performed successfully

18   Channel data length: More than 255 bytes of space available in the Tx
19   buffer

20 Coding in Hex:

81	03	01	43	00	82	02	82	81	83	01	00	B7	01	FF

21 PROACTIVE COMMAND: SEND DATA (Step 21)

22 Command details:

23   Command number: 1

24   Command type: SEND DATA

25   Command qualifier: Store mode

26   Device identities:

27   Source device: UICC

28   Destination device: Channel 1

29   Channel Data:

30   Channel Data: C8 C9 .. FF 00 01 .. 8F (200 Bytes of data)

1   Coding in Hex:

D0	81	D4	81	03	01	43	00	82	02	81	21	B6	81	C8	C8
C9	..	FF	00	01	..	8F									

2   TERMINAL RESPONSE: SEND DATA (Step 22)

3   Command details:

4   Command number: 1

5   Command type: SEND DATA

6   Command qualifier: Store mode

7   Device identities:

8   Source device: ME

9   Destination device: UICC

10   Result:

11   General Result: Command performed successfully

12   Channel data length: More than 255 bytes of space available in the Tx
13   buffer

14   Coding in Hex:

81	03	01	43	00	82	02	82	81	83	01	00	B7	01	FF

15   PROACTIVE COMMAND: SEND DATA (Step 25)

16   Command details:

17   Command number: 1

18   Command type: SEND DATA

19   Command qualifier: Store mode

20   Device identities:

21   Source device: UICC

22   Destination device: Channel 1

23   Channel Data:

24   Channel Data: 90 91 .. FF 00 01..57 (200 Bytes of data)

25   Coding in Hex:

D0	81	D4	81	03	01	43	00	82	02	81	21	B6	81	C8	90
91	..	FF	00	01	..	57									

26   TERMINAL RESPONSE: SEND DATA (Step 26)

27   Command details:

28   Command number: 1

1   Command type: SEND DATA

2   Command qualifier: Store mode

3   Device identities:

4   Source device: ME

5   Destination device: UICC

6   Result:

7   General Result: Command performed successfully

8   Channel data length: More than 255 bytes of space available in the Tx
9   buffer

10   Coding in Hex:

81	03	01	43	00	82	02	82	81	83	01	00	B7	01	FF

11   PROACTIVE COMMAND: SEND DATA (Step 29)

12   Command details:

13   Command number: 1

14   Command type: SEND DATA

15   Command qualifier: Store mode

16   Device identities:

17   Source device: UICC

18   Destination device: Channel 1

19   Channel Data:

20   Channel Data: 58 59 .. FF 00 01..1F (200 Bytes of data)

21   Coding in Hex:

D0	81	D4	81	03	01	43	00	82	02	81	21	B6	81	C8	58
59	..	FF	00	01	..	1F									

22   TERMINAL RESPONSE: SEND DATA (Step 30)

23   Command details:

24   Command number: 1

25   Command type: SEND DATA

26   Command qualifier: Store mode

27   Device identities:

28   Source device: ME

29   Destination device: UICC

30   Result:

31   General Result: Command performed successfully

1 Channel data length: More than 255 bytes of space available in the Tx
2   buffer

3 Coding in Hex:

81	03	01	43	00	82	02	82	81	83	01	00	B7	01	C8

4 PROACTIVE COMMAND: SEND DATA (Step 33)

5 Command details:

6   Command number: 1

7   Command type: SEND DATA

8   Command qualifier: Send Immediately

9   Device identities:

10   Source device: UICC

11   Destination device: Channel 1

12   Channel Data:

13   Channel Data: 20 21 .. EF (200 Bytes of data)

14 Coding in Hex:

D0	81	D4	81	03	01	43	01	82	02	81	21	B6	81	C8	20
21	..	E7													

15 TERMINAL RESPONSE: SEND DATA (Step 35)

16 Command details:

17   Command number: 1

18   Command type: SEND DATA

19   Command qualifier: Send Immediately

20   Device identities:

21   Source device: ME

22   Destination device: UICC

23   Result:

24   General Result: Command performed successfully

25   Channel data length: More than 255 bytes of space available in the Tx
26   buffer

27 Coding in Hex:

81	03	01	43	01	82	02	82	81	83	01	00	B7	01	FF

1   SEQ 4:   SEND DATA, 2 consecutive SEND DATA Store mode

Step	Direction	Message/Action	Comments
1	CS → ME	PROACTIVE COMMAND PENDING: OPEN CHANNEL	
2	ME → <u>CS</u>	FETCH	
3	CS → ME	PROACTIVE COMMAND: OPEN CHANNEL	The ME may display channel opening information
4	ME → NS	ORIGINATION REQUEST	with Service Option : 33, CDMA2000 PPP Packet Data
5	NS → ME	SERVICE CONNECT	with SO: 33, RLP Ver: 3
6	ME → NS	SERVICE CONNECT ACCEPT	
7	NS → ME	PPP LCP CONFIG REQ	
8	ME → NS	PPP LCP CONFIG ACK	
9	NS → ME	PPP CHAP CHALLENGE	
10	ME → NS	PPP CHAP RESPONSE	
11	NS → ME	PPP CHAP SUCCESS	
12	ME → NS	PPP IPCP CONFIG REQ	
13	NS → ME	PPP IPCP CONFIG ACK	w/ IP Address
14	ME → <u>CS</u>	TERMINAL RESPONSE: OPEN CHANNEL	Command performed successfully
15	CS → ME	PROACTIVE COMMAND PENDING: SEND DATA	
16	ME → <u>CS</u>	FETCH	
17	CS → ME	PROACTIVE COMMAND: SEND DATA (store mode)	Send 1000 Bytes of data in packets of 200 Bytes. [CR1/CR2/CR3/CR4]
18	ME → CS	TERMINAL RESPONSE: SEND DATA (store mode)	Command performed successfully. [CR5]
19	CS → ME	PROACTIVE COMMAND PENDING: SEND DATA	
20	ME → <u>CS</u>	FETCH	
21	CS → ME	PROACTIVE COMMAND: SEND DATA (store mode)	200 Bytes. [CR1/CR2/CR3/CR4]
22	ME → CS	TERMINAL RESPONSE: SEND DATA (store mode)	Command performed successfully. [CR5]
23	CS → ME	PROACTIVE COMMAND PENDING: SEND DATA	
24	ME → <u>CS</u>	FETCH	
25	CS → ME	PROACTIVE COMMAND: SEND DATA (store mode)	200 Bytes. [CR1/CR2/CR3/CR4]

26	ME → CS	TERMINAL RESPONSE: SEND DATA (store mode)	Command performed successfully. [CR5]
27	CS → ME	PROACTIVE COMMAND PENDING: SEND DATA	
28	ME → CS	FETCH	
29	CS → ME	PROACTIVE COMMAND: SEND DATA (store mode)	200 Bytes. [CR1/CR2/CR3/CR4]
30	ME → CS	TERMINAL RESPONSE: SEND DATA (store mode)	Command performed successfully. [CR5]
31	CS → ME	PROACTIVE COMMAND PENDING: SEND DATA	
32	ME → CS	FETCH	
33	CS → ME	PROACTIVE COMMAND: SEND DATA (store mode)	200 Bytes. [CR1/CR2/CR3/CR4]
34	ME → NS	Transfer of 1000 Bytes of data tot he NS through channel 1	NS receives 1000 Bytes
35	ME → CS	TERMINAL RESPONSE: SEND DATA	Command performed successfully. [CR5]
36	CS → ME	PROACTIVE COMMAND PENDING: SEND DATA	
37	ME → CS	FETCH	
38	CS → ME	PROACTIVE COMMAND: SEND DATA (store mode)	Send 1000 Bytes of data in packets of 200 Bytes. [CR1/CR2/CR3/CR4]
39	ME → CS	TERMINAL RESPONSE: SEND DATA (store mode)	Command performed successfully. [CR5]
40	CS → ME	PROACTIVE COMMAND PENDING: SEND DATA	
41	ME → CS	FETCH	
42	CS → ME	PROACTIVE COMMAND: SEND DATA (store mode)	200 Bytes. [CR1/CR2/CR3/CR4]
43	ME → CS	TERMINAL RESPONSE: SEND DATA (store mode)	Command performed successfully. [CR5]
44	CS → ME	PROACTIVE COMMAND PENDING: SEND DATA	
45	ME → CS	FETCH	
46	CS → ME	PROACTIVE COMMAND: SEND DATA (store mode)	200 Bytes. [CR1/CR2/CR3/CR4]
47	ME → CS	TERMINAL RESPONSE: SEND DATA (store mode)	Command performed successfully. [CR5]
48	CS → ME	PROACTIVE COMMAND PENDING: SEND DATA	
49	ME → CS	FETCH	

50	CS → ME	PROACTIVE COMMAND: SEND DATA (store mode)	200 Bytes. [CR1/CR2/CR3/CR4]
51	ME → CS	TERMINAL RESPONSE: SEND DATA (store mode)	Command performed successfully. [CR5]
52	CS → ME	PROACTIVE COMMAND PENDING: SEND DATA	
53	ME → CS	FETCH	
54	CS → ME	PROACTIVE COMMAND: SEND DATA (store mode)	200 Bytes. [CR1/CR2/CR3/CR4]
55	ME → NS	Transfer of 1000 Bytes of data tot he NS through channel 1	NS receives 1000 Bytes
56	ME → CS	TERMINAL RESPONSE: SEND DATA	Command performed successfully. [CR5]

1 PROACTIVE COMMAND: OPEN CHANNEL (Step 3)

2 See the PROACTIVE COMMAND: OPEN CHANNEL (Step 3) of SEQ 1.

3 TERMINAL RESPONSE : OPEN CHANNEL (Step 14)

4 See the TERMINAL RESPONSE : OPEN CHANNEL (Step 14) of SEQ 1.

5 PROACTIVE COMMAND: SEND DATA (Step 17)

6 See the PROACTIVE COMMAND: SEND DATA (Step 17) of SEQ 3.

7 TERMINAL RESPONSE : SEND DATA (Step 18)

8 See the TERMINAL RESPONSE : SEND DATA (Step 18) of SEQ 3.

9 PROACTIVE COMMAND: SEND DATA (Step 21)

10 See the PROACTIVE COMMAND: SEND DATA (Step 21) of SEQ 3.

11 TERMINAL RESPONSE : SEND DATA (Step 22)

12 See the TERMINAL RESPONSE : SEND DATA (Step 22) of SEQ 3.

13 PROACTIVE COMMAND: SEND DATA (Step 25)

14 See the PROACTIVE COMMAND: SEND DATA (Step 25) of SEQ 3.

15 TERMINAL RESPONSE : SEND DATA (Step 26)

16 See the TERMINAL RESPONSE : SEND DATA (Step 26) of SEQ 3.

17 PROACTIVE COMMAND: SEND DATA (Step 29)

18 See the PROACTIVE COMMAND: SEND DATA (Step 29) of SEQ 3.

19 TERMINAL RESPONSE : SEND DATA (Step 30)

20 See the TERMINAL RESPONSE : SEND DATA (Step 30) of SEQ 3.

1 PROACTIVE COMMAND: SEND DATA (Step 33)

2 See the PROACTIVE COMMAND: SEND DATA (Step 33) of SEQ 3.

3 TERMINAL RESPONSE : SEND DATA (Step 35)

4 See the TERMINAL RESPONSE : SEND DATA (Step 35) of SEQ 3.

5 PROACTIVE COMMAND: SEND DATA (Step 38)

6 See the PROACTIVE COMMAND: SEND DATA (Step 17) of SEQ 3.

7 TERMINAL RESPONSE : SEND DATA (Step 39)

8 See the TERMINAL RESPONSE : SEND DATA (Step 18) of SEQ 3.

9 PROACTIVE COMMAND: SEND DATA (Step 42)

10 See the PROACTIVE COMMAND: SEND DATA (Step 21) of SEQ 3.

11 TERMINAL RESPONSE : SEND DATA (Step 43)

12 See the TERMINAL RESPONSE : SEND DATA (Step 22) of SEQ 3.

13 PROACTIVE COMMAND: SEND DATA (Step 46)

14 See the PROACTIVE COMMAND: SEND DATA (Step 25) of SEQ 3.

15 TERMINAL RESPONSE : SEND DATA (Step 47)

16 See the TERMINAL RESPONSE : SEND DATA (Step 26) of SEQ 3.

17 PROACTIVE COMMAND: SEND DATA (Step 50)

18 See the PROACTIVE COMMAND: SEND DATA (Step 29) of SEQ 3.

19 TERMINAL RESPONSE : SEND DATA (Step 51)

20 See the TERMINAL RESPONSE : SEND DATA (Step 30) of SEQ 3.

21 PROACTIVE COMMAND: SEND DATA (Step 54)

22 See the PROACTIVE COMMAND: SEND DATA (Step 33) of SEQ 3.

23 TERMINAL RESPONSE : SEND DATA (Step 56)

24 See the TERMINAL RESPONSE : SEND DATA (Step 35) of SEQ 3.

25 SEQ 5: SEND DATA, immediate mode with a bad channel identifier

Step	Direction	Message/Action	Comments
1	CS $\rightarrow$ ME	PROACTIVE COMMAND PENDING: OPEN CHANNEL	
2	ME $\rightarrow$ CS	FETCH	
3	CS $\rightarrow$ ME	PROACTIVE COMMAND: OPEN CHANNEL	The ME may display channel opening information

4	ME → NS	ORIGINATION REQUEST	with Service Option : 33, CDMA2000 PPP Packet Data
5	NS → ME	SERVICE CONNECT	with SO: 33, RLP Ver: 3
6	ME → NS	SERVICE CONNECT ACCEPT	
7	NS → ME	PPP LCP CONFIG REQ	
8	ME → NS	PPP LCP CONFIG ACK	
9	NS → ME	PPP CHAP CHALLENGE	
10	ME → NS	PPP CHAP RESPONSE	
11	NS → ME	PPP CHAP SUCCESS	
12	ME → NS	PPP IPCP CONFIG REQ	
13	NS → ME	PPP IPCP CONFIG ACK	w/ IP Address
14	ME → CS	TERMINAL RESPONSE: OPEN CHANNEL	Command performed successfully
15	CS → ME	PROACTIVE COMMAND PENDING: SEND DATA	
16	ME → CS	FETCH	
17	CS → ME	PROACTIVE COMMAND: SEND DATA (immediate mode)	[CR1/CR2/CR3/CR4]
18	ME → CS	TERMINAL RESPONSE: SEND DATA	Invalid channel number. [CR5]

1 PROACTIVE COMMAND: OPEN CHANNEL (Step 3)

2 See the PROACTIVE COMMAND: OPEN CHANNEL (Step 3) of SEQ 1.

3 TERMINAL RESPONSE : OPEN CHANNEL (Step 14)

4 See the TERMINAL RESPONSE : SEND DATA (Step 14) of SEQ 1.

5 PROACTIVE COMMAND: SEND DATA (Step 17)

6 Command details:

7 Command number: 1

8 Command type: SEND DATA

9 Command qualifier: Send Immediately

10 Device identities:

11   Source device: UICC

12   Destination device: Channel 2

13 Channel Data:

14   Channel Data: 00 01 .. 07 (8 Bytes of data)

1 Coding in Hex:

D0	13	81	03	01	43	01	82	02	81	22	B6	08	00	01	02
03	04	05	06	07											

2 TERMINAL RESPONSE: SEND DATA (Step 18)

3 Command details:

4   Command number: 1

5   Command type: SEND DATA

6   Command qualifier: Send Immediately

7   Device identities:

8   Source device: ME

9   Destination device: UICC

10   Result:

11   General Result: Bearer Independent Protocol error (3A)

12   Additional Result: Channel identifier not valid (03)

13 Coding in Hex:

81	03	01	43	01	82	02	82	81	83	02	3A	03

14 ## 6.4.30.1.5   Test Requirement

15 • The ME shall operate in the manner defined in SEQ 1 to SEQ 5.

16 ## 6.4.30.2 Reserved for SEND DATA (Support of Text Attribute)

6.4.31 GET CHANNEL STATUS

6.4.31.1 GET CHANNEL STATUS (Related to Default Bearer)

6.4.31.1.1   Definition and Applicability

The ME shall support the GET CHANNEL STATUS command as defined in section 6.4.31 of [6].

This test case is applicable for all MEs supporting the option "Class E: B.I.P related to Default (Network) Bearer" [Table A.1/67].

6.4.31.1.2   Conformance Requirements

CR 1   GET CHANNEL STATUS proactive command requests the ME to return a Channel status data object for each dedicated Channel Identifier as specified in clause 6.4.31 of [6].

CR 2   ME shall parse and process mandatory TLVs and optional TLVs in the structure of GET CHANNEL STATUS proactive command as described in clause 6.4.31 of [6].

CR 3   ME shall return the requested information concerning the channel(s) within the TERMINAL RESPONSE command.as described in clauses 6.4.31 and 6.8 of [6].

CR 4   Channel Status in the TERMIANL RESPONSE shall be coded as defined in clause 8.56 of [6].

CR 5   ME sends CHANNEL STATUS event when ME detects the link enters an error condition as a result of link being dropped as described in clause 7.5.11.1 of [6].

CR 6   The channel identifier for a data channel shall not be released during a card session until the CLOSE CHANNEL command for this channel identifier has been successfully executed as described in clause 7.5.11.1 of [6].

CR 7   ME shall include TLVs in the CHANNEL STATUS event as described in clause 7.5.11.2 of [6].

6.4.31.1.3   Test Purpose

Verify that the ME sends appropriate TERMINAL RESPONSE to the UICC after receiving the GET STATUS proactive command.

6.4.31.1.4   Method of Test

6.4.31.1.4.1   Initial Conditions

The common initial conditions as defined in section 2.1 apply.

ME and NS are configured for Simple IP with CHAP Authentication for packet data call establishment using data specified in section 2.2.3.

1 ## 6.4.31.1.4.2 Procedure

2 SEQ 1:   GET CHANNEL STATUS, without any BIP channel opened

Step	Direction	Message/Action	Comments
		No channel has been opened.	
1	CS → ME	PROACTIVE COMMAND PENDING: GET CHANNEL STATUS	
2	ME → CS	FETCH	
3	CS → ME	PROACTIVE COMMAND: GET STATUS	[CR1/CR2]
4	ME → CS	TERMINAL RESPONSE: GET STATUS-A or GET STATUS-B or GET STATUS-C	[CR3/CR4] A: Command performed successfully B: No Channel available, link not established or packet data service not activated. C: Channel identifier 1 to n, Link not established or packet data service not activated.

3 PROACTIVE COMMAND: OPEN CHANNEL (Step 3)

4 Command details

5 Command number: 1

6 Command type: GET STATUS

7 Command qualifier: RFU

8 Device identities

9   Source device: UICC

10   Destination device: ME

11 Coding in Hex:

D0	09	81	03	01	44	00	82	02	81	82

12 TERMINAL RESPONSE: GET STATUS-A (Step 4)

13 Command details:

14 Command number: 1

15 Command type: GET STATUS

16 Command qualifier: RFU

17 Device identities:

18   Source device: ME

19   Destination device: UICC

20 Result:

1 General Result: Command performed successfully

2 Coding in Hex:

81	03	01	44	00	82	02	82	81	83	01	00

3 TERMINAL RESPONSE: GET STATUS-B (Step 4)

4 Command details:

5 Command number: 1

6 Command type: GET STATUS

7 Command qualifier: RFU

8 Device identities:

9   Source device: ME

10   Destination device: UICC

11 Result:

12   General Result: Command performed successfully

13 Channel status:

14   Channel status: No Channel available, link not established or packet
15   data service not activated

16 Coding in Hex:

81	03	01	44	00	82	02	82	81	83	01	00	B8	02	00	00

17 TERMINAL RESPONSE: GET STATUS-C (Step 4)

18 Command details:

19 Command number: 1

20 Command type: GET STATUS

21 Command qualifier: RFU

22 Device identities:

23   Source device: ME

24   Destination device: UICC

25 Result:

26   General Result: Command performed successfully

27 Channel status:

28   Channel 1 status: Channel identifier 1, Link not established or packet
29   data service not activated

30   Channel 2 status: Channel identifier 2, Link not established or packet
31   data service not activated

32   …

1   Channel n status: Channel identifier n, Link not established or packet
2   data service not activated

3   The number of channel status data objects shall be same as the number of
4   channels(n) supported by the ME

5   Coding in Hex:

| 81 | 03 | 01 | 44 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 | Note 1 |

6   Note1:   The Terminal Response shall contain as many channel status TLVs as
7   channels are supported by the ME. Each channel status TLV coding shall
8   indicate the corresponding channel identifier and shall state "Link not
9   established or packet data service not activated". As an example, if the
10   mobile supports two channels then the corresponding channel status data
11   objects coding would be : 'B8 02 01 00 B8 02 02 00'.

12 SEQ 2:   GET CHANNEL STATUS, with a BIP channel currently opened

Step	Direction	Message/Action	Comments
1	CS → ME	PROACTIVE COMMAND PENDING: OPEN CHANNEL	
2	ME → CS	FETCH	
3	CS → ME	PROACTIVE COMMAND: OPEN CHANNEL	The ME may display channel opening information
4	ME → NS	ORIGINATION REQUEST	with Service Option : 33, CDMA2000 PPP Packet Data
5	NS → ME	SERVICE CONNECT	with SO: 33, RLP Ver: 3
6	ME → NS	SERVICE CONNECT ACCEPT	
7	NS → ME	PPP LCP CONFIG REQ	
8	ME → NS	PPP LCP CONFIG ACK	
9	NS → ME	PPP CHAP CHALLENGE	
10	ME → NS	PPP CHAP RESPONSE	
11	NS → ME	PPP CHAP SUCCESS	
12	ME → NS	PPP IPCP CONFIG REQ	
13	NS → ME	PPP IPCP CONFIG ACK	w/ IP Address
14	ME → CS	TERMINAL RESPONSE: OPEN CHANNEL	Command performed successfully
15	CS → ME	PROACTIVE COMMAND PENDING: GET STATUS	
16	ME → CS	FETCH	
17	CS → ME	PROACTIVE COMMAND: GET STATUS	[CR1/CR2]

| 18 | ME → CS | TERMINAL RESPONSE: GET STATUS-A

or

GET STATUS-B | [CR3/CR4]

A: Command performed successfully

B: Channel identifier 1 to n, Link established
    or packet data service activated. |

1. PROACTIVE COMMAND: OPEN CHANNEL (Step 3)

2. Command details:

3.   Command number: 1

4.   Command type: OPEN CHANNEL

5.   Command qualifier: immediate link establishment, automatic
6.   reconnection

7.   Device identities:

8.   Source device: UICC

9.   Destination device: ME

10.   Bearer:

11.   Bearer type: DEFAULT BEARER FOR REQUESTED TRANSPORT
12.   LAYER

13.   Buffer size: 1000

14.   Network access name: TestGp.rs

15.   Text String: UserLog (User login)

16.   Text String: UserPwd (User password)

17.   UICC/ME interface transport level

18.   Transport format: UDP, UICC in client mode, remote connection

19.   Port number: 53

20.   Data destination address   01.01.01.01

21. Coding in Hex:

D0	3C	81	03	01	40	03	82	02	81	82	35	01	03	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	00	35	3E	05	21	01	01	01	01		

22. TERMINAL RESPONSE: OPEN CHANNEL (Step 14)

23. Command details:

24.   Command number: 1

25.   Command type: OPEN CHANNEL

26.   Command qualifier: immediate link establishment, automatic
27.   reconnection

28.   Device identities:

1   Source device: ME

2   Destination device: UICC

3   Result:

4   General Result: Command performed successfully

5   Channel status: Channel identifier 1 and link established or packet
6   data service activated

7   Bearer:

8   Bearer type: DEFAULT BEARER FOR REQUESTED TRANSPORT
9   LAYER

10   Buffer size: 1000

11   Coding in Hex:

81	03	01	40	03	82	02	82	81	83	01	00	38	02	81	00
35	01	03	39	02	03	E8									

12   PROACTIVE COMMAND: GET STATUS (Step 17)

13   Command details:

14   Command number: 1

15   Command type: GET STATUS

16   Command qualifier: RFU

17   Device identities:

18   Source device: UICC

19   Destination device: ME

20   Coding in Hex:

D0	09	81	03	01	44	00	82	02	81	82

21   TERMINAL RESPONSE: GET STATUS-A (Step 18)

22   Command details:

23   Command number: 1

24   Command type: GET STATUS

25   Command qualifier: RFU

26   Device identities:

27   Source device: ME

28   Destination device: UICC

29   Result:

30   General Result: Command performed successfully

31   Channel status:

1. Channel status: Channel identifier 1 and link established or packet
2. data service activated

3. Coding in Hex:

81	03	01	44	00	82	02	82	81	83	01	00	B8	02	81	00

4. TERMINAL RESPONSE: GET STATUS-B (Step 18)

5. Command details:

6.   Command number: 1

7.   Command type: GET STATUS

8.   Command qualifier: RFU

9.   Device identities:

10.   Source device: ME

11.   Destination device: UICC

12.   Result:

13.   General Result: Command performed successfully

14.   Channel status:

15.   Channel 1 status: Channel identifier 1 and link established or packet
16. data service activated

17.   Channel 2 status: Channel identifier 2, Link not established or packet
18. data service not activated

19.   …

20.   Channel n status: Channel identifier n, Link not established or packet
21. data service not activated

22. The number of channel status data objects shall be same as the number of
23. channels(n) supported by the ME

24. Coding in Hex:

81	03	01	44	00	82	02	82	81	83	01	00	Note 1

25. Note1:   The Terminal Response shall contain as many channel status TLVs as
26. channels are supported by the ME. The channel status TLV coding of the
27. opened channel shall state "Link established or packet data service
28. activated". Each other channel status TLV coding shall indicate the
29. corresponding channel identifier and shall state "Link is not established or
30. PD packet data service P context not activated". As an example, if the mobile
31. supports two channels and channel 1 is opened then the corresponding
32. channel status data objects coding would be : 'B8 02 81 00 B8 02 02 00'.

1 SEQ 3: GET CHANNEL STATUS, after a link dropped

Step	Direction	Message/Action	Comments
1	CS → ME	PROACTIVE COMMAND PENDING: SET UP EVENT LIST	
2	ME → CS	FETCH	
3	CS → ME	PROACTIVE COMMAND: SET UP EVENT LIST	
4	ME → CS	TERMINAL RESPONSE: SET UP EVENT LIST	Command performed successfully
5	CS → ME	PROACTIVE COMMAND PENDING: OPEN CHANNEL	
6	ME → CS	FETCH	
7	CS → ME	PROACTIVE COMMAND: OPEN CHANNEL	The ME may display channel opening information
8	ME → NS	ORIGINATION REQUEST	with Service Option : 33, CDMA2000 PPP Packet Data
9	NS → ME	SERVICE CONNECT	with SO: 33, RLP Ver: 3
10	ME → NS	SERVICE CONNECT ACCEPT	
11	NS → ME	PPP LCP CONFIG REQ	
12	ME → NS	PPP LCP CONFIG ACK	
13	NS → ME	PPP CHAP CHALLENGE	
14	ME → NS	PPP CHAP RESPONSE	
15	NS → ME	PPP CHAP SUCCESS	
16	ME → NS	PPP IPCP CONFIG REQ	
17	NS → ME	PPP IPCP CONFIG ACK	w/ IP Address
18	ME → CS	TERMINAL RESPONSE: OPEN CHANNEL	Command performed successfully
19	NS → ME	DROP LINK	
20	ME → CS	ENVELOPE EVENT DOWNLOAD: CHANNEL STATUS	Link dropped. [CR5/CR7]
21	CS → ME	PROACTIVE COMMAND PENDING: GET STATUS	
22	ME → CS	FETCH	
23	CS → ME	PROACTIVE COMMAND: GET STATUS	[CR1/CR2]

24	ME → CS	TERMINAL RESPONSE: GET STATUS-A or GET STATUS-B or GET STATUS-C or GET STATUS-D or GET STATUS-E	[CR3/CR4/CR6] A: Command performed successfully B: No Channel available, link not established or packet data service not activated. C: Channel identifier 1 to n, Link not established or packet data service not activated. D: Channel 1, link dropped. E: Channel identifier 1 to n, Link dropped

1 PROACTIVE COMMAND: SET UP EVENT LIST (Step 3)

2 Command details:

3   Command number: 1

4   Command type: SET UP EVENT LIST

5   Command qualifier: '00'

6   Device identities:

7   Source device: UICC

8   Destination device: ME

9   Event list:

10   Event 1:   Channel Status

11 Coding in Hex:

D0	0C	81	03	01	05	00	82	02	81	82	99	01	0A

12 TERMINAL RESPONSE: SET UP EVENT LIST (Step 4)

13 Command details:

14   Command number: 1

15   Command type: SET UP EVENT LIST

16   Command qualifier: '00'

17   Device identities:

18   Source device: ME

19   Destination device: UICC

20   Result:

21   General Result: Command performed successfully

22 Coding in Hex:

81	03	01	05	00	82	02	82	81	83	01	00

1 PROACTIVE COMMAND : OPEN CHANNEL (Step 7)

2 See the PROACTIVE COMMAND: OPEN CHANNEL (Step 3) of SEQ 2.

3 TERMINAL RESPONSE: OPEN CHANNEL (Step 18)

4 See the TERMINAL RESPONSE: OPEN CHANNEL (Step 14) of SEQ 2.

5 ENVELOPE EVENT DOWNLOAD: CHANNEL STATUS (step 20)

6 Command details:

7   Event list:

8   Event list: Channel Status

9   Device identities:

10   Source device: ME

11   Destination device: UICC

12   Channel status:

13   Channel status: Channel 1, link dropped

14 Coding in Hex:

D6	0B	99	01	0A	82	02	82	81	B8	02	01	05

15 PROACTIVE COMMAND: GET STATUS (Step 23)

16 Command details:

17   Command number: 1

18   Command type: GET STATUS

19   Command qualifier: RFU

20   Device identities:

21   Source device: UICC

22   Destination device: ME

23 Coding in Hex:

D0	09	81	03	01	44	00	82	02	81	82

24 TERMINAL RESPONSE: GET STATUS-A (Step 24)

25 See the TERMINAL RESPONSE: GET STATUS-A (Step 4) of SEQ 1.

26 TERMINAL RESPONSE: GET STATUS-B (Step 24)

27 See the TERMINAL RESPONSE: GET STATUS-B (Step 4) of SEQ 1.

28 TERMINAL RESPONSE: GET STATUS-C (Step 24)

29 See the TERMINAL RESPONSE: GET STATUS-C (Step 4) of SEQ 1.

1 TERMINAL RESPONSE: GET STATUS-D (Step 24)

2 Command details:

3   Command number: 1

4   Command type: GET STATUS

5   Command qualifier: RFU

6   Device identities:

7   Source device: ME

8   Destination device: UICC

9   Result:

10   General Result: Command performed successfully

11   Channel status:

12   Channel status: Channel 1, link dropped

13 Coding in Hex:

81	03	01	44	00	82	02	82	81	83	01	00	B8	02	01	05

14 TERMINAL RESPONSE: GET STATUS-E (Step 24)

15 Command details:

16   Command number: 1

17   Command type: GET STATUS

18   Command qualifier: RFU

19   Device identities:

20   Source device: ME

21   Destination device: UICC

22   Result:

23   General Result: Command performed successfully

24   Channel status:

25   Channel 1 status: Channel identifier 1, link dropped

26   Channel 2 status: Channel identifier 2, Link not established or packet
27   data service not activated

28   …

29   Channel n status: Channel identifier n, Link not established or packet
30   data service not activated

31 The number of channel status data objects shall be same as the number of
32 channels(n) supported by the ME.

Coding in Hex:

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 packet data service 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'.

6.4.31.1.5   Test Requirement

• The ME shall operate in the manner defined in SEQ 1 to SEQ 3.

6.4.31.2 GET CHANNEL STATUS (Related to UICC Server Mode)

6.4.31.2.1   Definition and Applicability

The ME shall support the GET CHANNEL STATUS (Related to UICC Server Mode) command as defined in section 6.4.31 of [6].

This test case is applicable for all MEs supporting the option "Class E: Terminal supports TCP, UICC in Server Mode" [Table A.1/58].

6.4.31.2.2   Conformance Requirement

See section 27.22.4.31.2.2 of [7].

6.4.31.2.3   Test Purpose

The purpose of the test is to verify that the ME supports the GET CHANNEL STATUS (Related to UICC Server Mode) command.

The support of this command shall be tested as defined in 27.22.4.31.2 of [7].

6.4.31.2.4   Method of Test

6.4.31.2.4.1 Initial Conditions

The common initial conditions as defined in section 2.1 apply.

6.4.31.2.4.2 Procedure

SEQ 1:   See section 27.22.4.31.2.4.2 of [7], Expected sequence 2.1 (GET CHANNEL STATUS, in LISTEN state)

SEQ 2:   See section 27.22.4.31.2.4.2 of [7], Expected sequence 2.2 (GET CHANNEL STATUS, in ESTABLISHED state)

6.4.31.2.5   Test Requirement

• The ME shall operate in the manner defined in SEQ 1 and SEQ 2.

6.4.32   Reserved for SERVICE SEARCH

No predefined subsections yet.

6.4.33   Reserved for GET SERVICE INFORMATION

No predefined subsections yet.

6.4.34   Reserved for DECLARE SERVICE

No predefined subsections yet.

7 ENVELOPE Commands

7.1 Data Download to UICC

7.1.1 SMS-PP Data Download

7.1.1.1 Definition and Applicability

The ME shall support the SMS-PP-DATA DOWNLOAD command as defined in section 7.1 of [1].

All sequences of this test case are applicable for all MEs supporting CDMA Card Application Toolkit enabled UICCs.

Sequences SEQ 3 and SEQ 5 are applicable for MEs supporting the R-UIM.

Sequences SEQ 4 and SEQ 6 are applicable for MEs supporting the CSIM.

In case an ME not supporting the option "ME supports display capability" [Table A.1/59] is tested the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified.

7.1.1.2 Conformance Requirement

CR 1   Verify that when the ME receives a Short Message with Teleservice Identifier = Card Application Toolkit Protocol Teleservice (CATPT), the ME transparently passes the CDMA SMS TPDU parameters from the network using the ENVELOPE(SMS-PP DATA DOWNLOAD) command to the UICC.

CR 2   The ME shall not display the contents of the message or alert the user that there is a short message waiting when receiving any short message CATPT.

CR 3   The ME shall acknowledge the receipt of the short message CATPT using SMS User Acknowledgment message to the network after receiving status words '90 00' from the UICC in response to the SMS-PP DATA DOWNLOAD command.

CR 4   The ME shall send back an SMS User Acknowledgment message to the network with the User Response Code value "Destination busy", after receiving status words '93 00' from the UICC as response to SMS-PP DATA DOWNLOAD command.

CR 5   The ME shall include the UICC Acknowledgment data in the User Data field of the SMS User Acknowledgment message that will be sent back to the network, after receiving status words '9F XX' from the R-UIM as response to SMS-PP DATA DOWNLOAD command.

CR 6   The ME shall include the UICC Acknowledgment data in the User Data field of the SMS User Acknowledgment message that will be sent back to the network, after receiving status words '61 XX' from the UICC as response to SMS-PP DATA DOWNLOAD command.

CR 7   The ME shall include the UICC Acknowledgment data in the User Data field of the SMS User Acknowledgment message, after receiving status words '9E

1 XX' from the R-UIM as a response to SMS-PP DATA DOWNLOAD command
2 and with the User Response Code set to "Other terminal problem".

3 CR 8   The ME shall include the UICC Acknowledgment data in the User Data field
4 of the SMS User Acknowledgment message, after receiving status words '63
5 XX' or "62 XX" from the CSIM as a response to SMS-PP DATA DOWNLOAD
6 command and with the User Response Code set to "Other terminal problem".

7 7.1.1.3   Test Purpose

8 The purpose of the test is to verify that the ME complies with the above requirements.

9 7.1.1.4   Method of Test

10 7.1.1.4.1   Initial Conditions

11 The common initial conditions as defined in section 2.1 apply.

12 7.1.1.4.2   Procedure

13 SEQ 1:   SMS-PP DATA DOWNLOAD, Successful

Step	Direction	Message/Action	Comments
1.	NS → ME	Data Burst Message (SMS-PP DATA DOWNLOAD	The short message contains CATPT teleservice and CDMA SMS TPDU.
2.	ME → CS	ENVELOPE: SMS-PP DATA DOWNLOAD	[CR1]/CR2]
3.	CS → ME	SW1='90' SW2 = '00'	Normal ending of the command
4.	ME → NS	Data Burst Message (SMS User Acknowledgment Message)	The UICC Acknowledgment is empty. [CR3]

14 Data Burst Message: SMS-PP DATA DOWNLOAD (Step 1):

15 Command Details:

16 CDMA SMS TPDU: '48' CDMA-SMS TPDU Tag

17 Length: '2A'

18 SMS_MSG_TYPE: '00' SMS Point-to-Point

19 PARAMETER_ID: '00' Teleservice Identifier

20 PARAMETER_LEN: '02'

21 IDENTIFIER: '10 07' Card Application Toolkit Protocol Teleservice

22 Address Parameters:

23 PARAMETER_ID: '02' Originating Address

24 PARAMETER_LEN: '0B'

25 DIGIT_MODE: '1' Using the 1' 8-bit coding of the DTMF digits

1 2	NUMBER_MODE:	'0' Specifies an address using the definitions in ANSI T1.607
3	NUMBER_TYPE:	'001' International number
4	NUMBER_PLAN:	'0001' ISDN/Telephony numbering plan
5	NUM_FIELDS:	'08'
6	CHARi:	'98 86 88 24' Address digits
7	RESERVED:	'000000'
8	Bearer Reply Option:	
9	PARAMETER_ID:	'06' Bearer Reply Option
10	PARAMETER_LEN:	'01' SMS message parameter length
11	REPLY_SEQ:	'000000'
12	RESERVED:	'00'
13	Bearer Data:	
14	PARAMETER_ID:	'08' Bearer Data
15	PARAMETER_LEN:	'16'
16	SUBPARAMETER_ID:	'00' Message Identifier
17	SUBPARAMETER_LEN:	'03'
18	MESSAGE_TYPE:	'0001' Deliver (mobile-terminated only)
19	MESSAGE_ID:	'00 21' Message identifier
20 21	HEADER_IND:	'0' User Data subparameter field doesn't include the User Data header
22	RESERVED:	'000'
23	SUBPARAMETER_ID:	'01' User Data
24	SUBPARAMETER_LEN:	'09'
25	MSG_ENCODING:	'00000' Octet, unspecified
26	NUM_FIELDS:	'07'
27	CHARi:	"Inc SMS" Characters
28	RESERVED:	'000'
29	SUBPARAMETER_ID:	'08' Priority Indicator
30	SUBPARAMETER_LEN:	'01'
31	PRIORITY:	'00' Normal
32	RESERVED:	'000000'

1 Coding in Hex:

48	2A	00	00	02	10	07	02	0B	88	84	1C	9C	1C	1B	1C
1C	19	1A	00	06	01	00	08	16	00	03	10	02	10	01	09
00	3C	4B	73	19	02	9A	6A	98	08	01	00				

2 ENVELOPE: SMS-PP DATA DOWNLOAD (Step 2)

3 Command details:

4   Device identities:

5   Source device: Network

6   Destination device: UICC

7   CDMA SMS TPDU:

8   Length: '2A'

9   SMS_MSG_TYPE: '00' SMS Point-to-Point

10   PARAMETER_ID: '00' Teleservice Identifier

11   PARAMETER_LEN: '02'

12   IDENTIFIER: '10 07' Card Application Toolkit Protocol Teleservice

13   Address Parameters:

14   PARAMETER_ID: '02' Originating Address

15   PARAMETER_LEN: '0B'

16   DIGIT_MODE: '1' Using 8-bit coding of the DTMF digits

17   NUMBER_MODE: '0' Specifies an address using the definitions in ANSI
18   T1.607

19   NUMBER_TYPE: '001' International number

20   NUMBER_PLAN: '0001' ISDN/Telephony numbering plan

21   NUM_FIELDS: '08'

22   CHARi: '98 86 88 24' Address digits

23   RESERVED: '000000'

24   BEARER Reply Option:

25   PARAMETER_ID: '06' Bearer Reply Option

26   PARAMETER_LEN: '01'

27   REPLY_SEQ: '000000' Reply sequence number

28   RESERVED: '00'

29   PARAMETER_ID: '08' Bearer Data

30   PARAMETER_LEN: '16'

31   SUBPARAMETER_ID: '00' Message Identifier

1	SUBPARAMETER_LEN:	'03'
2	MESSAGE_TYPE:	'0001' Deliver (mobile-terminated only)
3	MESSAGE_ID:	'00 21'
4	HEADER_IND:	'0' User Data subparameter field doesn't include the
5		User Data header
6	RESERVED:	'000'
7	User Data:	
8	SUBPARAMETER_ID:	'01' User Data
9	SUBPARAMETER_LEN:	'09'
10	MSG_ENCODING:	'00000' Octet, unspecified
11	NUM_FIELDS:	'07'
12	CHARi:	"Inc SMS" Characters
13	RESERVED:	'000'
14	SUBPARAMETER_ID:	'08' Priority Indicator
15	SUBPARAMETER_LEN:	'01'
16	PRIORITY:	'00' Normal
17	RESERVED:	'000000'

18 Coding in Hex:

D1	2E	82	02	83	81	48	2A	00	00	02	10	07	02	0B	88
84	1C	9C	1C	1B	1C	1C	19	1A	00	06	01	00	08	16	00
03	10	02	10	01	09	00	3C	4B	73	19	02	9A	6A	98	08
01	00														

19 SMS User Acknowledgment (Step 4):

20 Command details:

21 Message Identifier:

22	SUBPARAMETER_ID:	'00'
23	SUBPARAMETER_LEN:	'03'
24	MESSAGE_TYPE:	'0101' User Acknowledgment
25	MESSAGE_ID:	'00 00'
26	HEADER_IND:	'0'
27	RESERVED:	'000'

28 Coding in Hex:

00	03	50	00	00

1   SEQ 2:   SMS-PP DATA DOWNLOAD, Card continuously busy

Step	Direction	Message/Action	Comments
1.	NS → ME	Data Burst Message: SMS-PP DATA DOWNLOAD	The short message contains CATPT teleservice and CDMA SMS TPDU.
2.	ME → CS	ENVELOPE: SMS-PP DATA DOWNLOAD	[CR1/CR2]
3.	CS → ME	SW1='93' SW2 = '00'	Card Application Toolkit is busy
4.		If the ME is configured to retry, after the completion of step 3 it may return to step 2.	
5.	ME → NS	Data Burst Message (SMS User Acknowledgment Message)	The UICC Acknowledgment and destination busy information are included in the message. [CR4]

2   Data Burst Message: SMS-PP DATA DOWNLOAD (Step 1):

3   See the Data Burst Message: SMS-PP DATA DOWNLOAD (Step 1) of SEQ 1.

4   ENVELOPE: SMS-PP DATA DOWNLOAD (Step 2):

5   See the ENVELOPE: SMS-PP DATA DOWNLOAD (Step 2) of SEQ 1.

6   SMS User Acknowledgment (Step 5):

7   Command details:

8   Message Identifier:

9   SUBPARAMETER_ID   '00'

10   SUBPARAMETER_LEN   '03'

11   MESSAGE_TYPE   '0101' User Acknowledgment

12   MESSAGE_ID   '00 00'

13   HEADER_IND   '0'

14   RESERVED   '000'

15   User response code:

16   SUBPARAMETER_ID   '02'

17   SUBPARAMETER_LEN   '01'

18   RESPONSE_CODE   33 Destination busy

19   Coding in Hex:

00	03	50	00	02	01	21

1 SEQ 3: SMS-PP DATA DOWNLOAD '9F XX', Successful, with UICC Acknowledgment
2 included

Step	Direction	Message/Action	Comments
1.	NS → ME	Data Burst Message (SMS-PP DATA DOWNLOAD	The short message contains CATPT teleservice and CDMA SMS TPDU.
2.	ME → CS	ENVELOPE: SMS-PP DATA DOWNLOAD	[CR1/CR2]
3.	CS → ME	SW1='9F' SW2 = '09'	The ME shall send a GET RESPONSE command header to the CS.
4.	ME → CS	GET RESPONSE	
5.	CS → ME	'53 50 4F 4E 47 45 42 4F 42'	"SPONGEBOB"
6.	ME → NS	Data Burst Message (SMS User Acknowledgment Message)	The UICC Acknowledgment is included in the message. [CR5]

3 Data Burst Message: SMS-PP DATA DOWNLOAD (Step 1):

4 See the Data Burst Message: SMS-PP DATA DOWNLOAD (Step 1) of SEQ 1.

5 ENVELOPE: SMS-PP DATA DOWNLOAD (Step 2):

6 See the ENVELOPE: SMS-PP DATA DOWNLOAD (Step 2) of SEQ 1.

7 SMS User Acknowledgment (Step 6):

8 Command details:

9 Message Identifier:

10 SUBPARAMETER_ID: '00'

11 SUBPARAMETER_LEN: '03'

12 MESSAGE_TYPE: '0101' User Acknowledgment

13 MESSAGE_ID: '00 00'

14 HEADER_IND: '0'

15 RESERVED: '000'

16 User Data:

17 SUBPARAMETER_ID: '01' User Data

18 SUBPARAMETER_LEN: '0B'

19 MSG_ENCODING: '00000' Octet, unspecified

20 NUM_FIELDS: '09'

21 CHARi: "SPONGEBOB"

22 RESERVED: '000'

1   Coding in Hex:

00	03	50	00	00	01	0B	00	4A	9A	82	7A	72	3A	2A	12
7A	10														

2   SEQ 4:   SMS-PP DATA DOWNLOAD '61 XX', Successful, with UICC Acknowledgment
3   included

Step	Direction	Message/Action	Comments
1.	NS → ME	Data Burst Message (SMS-PP DATA DOWNLOAD	The short message contains CATPT teleservice and CDMA SMS TPDU.
2.	ME → CS	ENVELOPE: SMS-PP DATA DOWNLOAD	[CR1/CR2]
3.	CS → ME	SW1='61' SW2 = '09'	The ME shall send a GET RESPONSE command header to the CS.
4.	ME → CS	GET RESPONSE	
5.	CS → ME	'53 50 4F 4E 47 45 42 4F 42'	"SPONGEBOB"
6.	ME → NS	Data Burst Message (SMS User Acknowledgment Message)	The UICC Acknowledgment is included in the message. [CR 6]

4   Data Burst Message: SMS-PP DATA DOWNLOAD (Step 1):

5   See the Data Burst Message: SMS-PP DATA DOWNLOAD (Step 1) of SEQ 1.

6   ENVELOPE: SMS-PP DATA DOWNLOAD (Step 2):

7   See the ENVELOPE: SMS-PP DATA DOWNLOAD (Step 2) of SEQ 1.

8   SMS User Acknowledgment (Step 6):

9   See the SMS User Acknowledgment (Step 6) of SEQ 3.

10   SEQ 5:   SMS-PP DATA DOWNLOAD '9E XX', Unsuccessful, with UICC
11   Acknowledgment and other terminal problem included

Step	Direction	Message/Action	Comments
1.	NS → ME	Data Burst Message (SMS-PP DATA DOWNLOAD	The short message contains CATPT teleservice and CDMA SMS TPDU.
2.	ME → CS	ENVELOPE: SMS-PP DATA DOWNLOAD	[CR1/CR2]
3.	CS → ME	SW1='9E' SW2 = '08'	Data download error that requires the ME to send a GET RESPONSE command header to the CS.
4.	ME → CS	GET RESPONSE	
5.	CS → ME	'54 68 65 20 42 4C 4F 42'	"The BLOB"

6.	ME → NS	Data Burst Message (SMS User Acknowledgment Message + other terminal problem)	The UICC Acknowledgment and other terminal problem are included in the message. [CR7]

1 Data Burst Message: SMS-PP DATA DOWNLOAD (Step 1):

2 See the Data Burst Message: SMS-PP DATA DOWNLOAD (Step 1) of SEQ 1.

3 ENVELOPE: SMS-PP DATA DOWNLOAD (Step 2):

4 See the ENVELOPE: SMS-PP DATA DOWNLOAD (Step 2) of SEQ 1.

5 SMS User Acknowledgment (Step 6):

6 Command details:

7   Message Identifier:

8   SUBPARAMETER_ID: '00'

9   SUBPARAMETER_LEN: '03'

10   MESSAGE_TYPE: '0101' User Acknowledgment

11   MESSAGE_ID: '00 00'

12   HEADER_IND: '0'

13   RESERVED: '000'

14   User Data:

15   SUBPARAMETER_ID: '01' User Data

16   SUBPARAMETER_LEN: '0B'

17   MSG_ENCODING: '00000' Octet, unspecified

18   NUM_FIELDS: '08'

19   CHARi: "The BLOB"

20   RESERVED: '000'

21   User response code:

22   SUBPARAMETER_ID: '02'

23   SUBPARAMETER_LEN: '01'

24   RESPONSE_CODE: 39 Other terminal problem

25 Coding in Hex:

00	03	50	00	00	01	0B	00	42	83	43	29	02	12	62	7A
10	02	01	27												

1 SEQ 6:   SMS-PP DATA DOWNLOAD '62 XX' or '63 XX', Unsuccessful, with UICC
2   Acknowledgment and other terminal problem included

Step	Direction	Message/Action	Comments
1.	NS → ME	Data Burst Message (SMS-PP DATA DOWNLOAD	The short message contains CATPT teleservice and CDMA SMS TPDU.
2.	ME → CS	ENVELOPE: SMS-PP DATA DOWNLOAD	[CR1/CR2]
3.	CS → ME	SW1='62' SW2 = '08' or SW1='63' SW2 = '08'	Data download error that requires the ME to send a GET RESPONSE command header to the CS.
4.	ME → CS	GET RESPONSE	
5.	CS → ME	Intention	"The BLOB"
6.	ME → NS	Data Burst Message (SMS User Acknowledgment Message + other terminal problem)	The UICC Acknowledgment and other terminal problem are included in the message. [CR8]

3 Data Burst Message: SMS-PP DATA DOWNLOAD (Step 1):

4 See the Data Burst Message: SMS-PP DATA DOWNLOAD (Step 1) of SEQ 1.

5 ENVELOPE: SMS-PP DATA DOWNLOAD (Step 2):

6 See the ENVELOPE: SMS-PP DATA DOWNLOAD (Step 2) of SEQ 1.

7 SMS User Acknowledgment (Step 6):

8 See the SMS User Acknowledgment (Step 6) of SEQ 5.

9 ## 7.1.1.5 Test Requirement

10 • The ME shall operate in the manner defined in SEQ 1 to SEQ 6.

1 ## 7.1.2 Reserved for Cell Broadcast Data Download

2 No predefined subsections yet.

1 7.2 Menu Selection

2 For appropriate tests please see section 6.4.8

7.3   CALL CONTROL

7.3.1   CALL CONTROL by CSIM/R-UIM

7.3.1.1   CALL CONTROL BY CSIM/R-UIM (Procedure for MO Calls)

7.3.1.1.1   Definition and Applicability

The ME shall support the CALL CONTROL facility as defined in section 7.3.1 of [6].

This test case is applicable for all MEs where the support of 'Call Control by CSIM/R-UIM' is indicated in the TERMINAL PROFILE.

Test sequences 5A, 6A, 7A and 8A are applicable if the ME supports the option Table A.1/39.

Test sequences 5B, 6B, 7B and 8B are applicable if the ME supports the option Table A.1/40.

7.3.1.1.2   Conformance Requirement

CR 1   The ME shall send the dialled digit string and mandatory parameters to the UICC using ENVELOPE- CALL CONTROL before the ME places a user initiated call.

CR 2   The ME sets up the call if the UICC returns status words '90 00' without Call Control Result or returns Call Control Result set to 'Allowed with no modification'.

CR 3   The ME does not place the call if the UICC returns Call Control Result set to 'Not allowed'.

CR 4   The ME sets up the call using the response data from the UICC if the UICC returns Call Control Result set to 'Allowed with modifications'.

CR 5   When the initial call set-up request results from a proactive command SET UP CALL (with a non-emergency call), the ME shall inform the UICC of the call control result given in response to the ENVELOPE (CALL CONTROL) using TERMINAL RESPONSE.

CR 6   The ME does not pass the call setup parameters to the UICC using CALL CONTROL Envelope if the user dials an emergency call number.

CR 7   If the call set up is initiated by the proactive command SET UP CALL, depending on the ME capability, the ME may ask for user confirmation before or after sending the ENVELOPE CALL CONTROL command according to Table A.1/39 and A.1/40.

7.3.1.1.3   Test Purpose

The purpose of the test is to verify that for all call set-up attempts (except emergency calls), 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) and handles call setup according to the Call Control Result return from the UICC.

1 ## 7.3.1.1.4 Method of Test

2 ## 7.3.1.1.4.1 Initial Conditions

3 The common initial conditions as defined in section 2.1 apply.

4 Call Control by CSIM service is available in the CSIM service table.

5 ## 7.3.1.1.4.2 Procedure

6 SEQ 1: CALL CONTROL BY CSIM (set up call attempt by user, CSIM gives no
7 response data, SW 90 00)

Step	Direction	Message/Action	Comments
1.	USER → ME	Set up a call to "+01234567890123456789"	
2.	ME → CS	ENVELOPE CALL CONTROL	[CR1]
3.	CS → ME	90 00	
4.	ME → NS	The ME sets up the call without modification	ME sends an Origination Message contains digits "01234567890123456789" and parameters specified in the ENVELOPE CALL CONTROL [CR2]

8 ENVELOPE CALL CONTROL (Step 2)

9 Command details:

10 Device identities:

11 Source device: ME

12 Destination device: UICC

13 Address:

14 TON: '1001' International

15 NPI: '0001' "ISDN / telephone numbering plan" or
16 "unknown"

17 Dialling number string "01234567890123456789"

18 Location Information:

19 MCC: 310

20 IMSI_11_12: 02

21 SID: '01 00'

22 NID: '02 00'

23 BASE_ID: '22 00'

24 BASE_LAT: '20 19 00'

25 BASE_LONG: '00 18 00'

1 Coding in Hex:

D4	22	82	02	82	81	86	0B	91	10	32	54	76	98	10	32
54	76	98	13	0F	36	01	02	01	00	02	00	22	00	20	19
00	00	18	00												

2 SEQ 2: CALL CONTROL BY CSIM (set up call attempt by user, with CSIM response
3   "allowed no modification")

Step	Direction	Message/Action	Comments
1.	USER → ME	Set up a call to "+01234567890123456789"	
2.	ME → CS	ENVELOPE CALL CONTROL	[CR1]
3.	CS → ME	CALL CONTROL RESULT	Call Control Result: "Allowed, no modification"
4.	ME → NS	The ME sets up the call without modification	ME sends an Origination Message contains digits "01234567890123456789" and parameters specified in the ENVELOPE CALL CONTROL [CR2]

4 ENVELOPE CALL CONTROL (Step 2)

5 See the ENVELOPE CALL CONTROL (Step 2) of SEQ 1.

6 CALL CONTROL RESULT (Step 3)

7 Command details:

8   Call Control Result: '00' = Allowed, no modification

9 Coding in Hex:

00	00

10 SEQ 3: CALL CONTROL BY CSIM (set up call attempt by user, with CSIM response
11   not allowed)

Step	Direction	Message/Action	Comments
1.	USER → ME	Set up a call to "+01234567890123456789"	
2.	ME → CS	ENVELOPE CALL CONTROL	[CR1]
3.	CS → ME	CALL CONTROL RESULT	Call Control Result: "Not allowed"
4.	ME → NS	The ME does not set up the call	ME did not send Origination Message [CR2]

12 ENVELOPE CALL CONTROL (Step 2)

13 See the ENVELOPE CALL CONTROL (Step 2) of SEQ 1.

1 CALL CONTROL RESULT (Step 3)

2 Command details:

3 Call Control Result: '01' = not Allowed

4 Coding in Hex:

01	00

5 SEQ 4: CALL CONTROL BY CSIM (set up call attempt by user, with CSIM response
6 allowed with modifications)

Step	Direction	Message/Action	Comments
1.	USER → ME	Set up a call to "+01234567890123456789"	
2.	ME → CS	ENVELOPE CALL CONTROL	[CR1]
3.	CS → ME	CALL CONTROL RESULT	Call Control Result: "Allowed, with modification"
4.	ME → NS	The ME sets up the call to "+010203"	Origination Message with digits "010203" and parameters specified in the ENVELOPE CALL CONTROL [CR2]

7 ENVELOPE CALL CONTROL (Step 2)

8 See the ENVELOPE CALL CONTROL (Step 2) of SEQ 1.

9 CALL CONTROL RESULT (Step 3)

10 Command details:

11 Call Control Result: '02' = Allowed with modifications

12 Address:

13 TON: '1001' International

14 NPI: '0001' "ISDN / telephone numbering plan" or "unknown"

15 Dialling number string: "010203"

16 Coding in Hex:

02	06	86	04	91	10	20	30

17 SEQ 5A: CALL CONTROL BY CSIM (set up call attempt by UICC, CSIM gives no
18 response data, SW 90 00, ME supports user confirmation before sending the
19 Call Control envelope)

Step	Direction	Message/Action	Comments
1.	CS → ME	PROACTIVE COMMAND: SET UP CALL PENDING	ME asks for user confirmation before sending the ENVELOPE CALL CONTROL command
2.	ME → CS	FETCH	

Step	Direction	Message/Action	Comments
3.	CS → ME	PROACTIVE COMMAND: SET UP CALL	Set up call to "+01234567890123456789"
4.	ME → USER	ME displays "+01234567890123456789" during user confirmation phase	[CR7]
5.	USER → ME	The user confirms the call set up	User confirmation. [CR7]
6.	ME → CS	ENVELOPE CALL CONTROL	[CR1]
7.	CS → ME	90 00	
8.	ME → NS	The ME sets up the call without modification	Origination Message with digits "01234567890123456789" and parameters specified in the ENVELOPE CALL CONTROL [CR2]
9.	ME → CS	TERMINAL RESPONSE : SET UP CALL	Command performed successfully [CR5]

1 PROACTIVE COMMAND: SET UP CALL (Step 3)

2 Command details:

3   Command number: 1

4   Command type: SET UP CALL

5   Command qualifier: Only if not currently busy on another call

6   Device identities:

7   Source device: UICC

8   Destination device: Network

9   Alpha identifier:

10   Alpha identifier: "+01234567890123456789"

11   Address:

12   TON: International

13   NPI: "ISDN/telephone numbering plan"

14   Dialling number string   "01234567890123456789"

15 Coding in Hex:

D0	2D	81	03	01	10	00	82	02	81	83	05	15	2B	30	31
32	33	34	35	36	37	38	39	30	31	32	33	34	35	36	37
38	39	86	0B	91	10	32	54	76	98	10	32	54	76	98	

16 ENVELOPE CALL CONTROL (Step 6)

17 See the ENVELOPE CALL CONTROL (Step 2) of SEQ 1.

1 TERMINAL RESPONSE: SET UP CALL (Step 9)

2 Command details:

3   Command number: 1

4   Command type: SET UP CALL

5   Command qualifier: Only if not currently busy on another call

6   Device identities :

7   Source device: ME

8   Destination device: UICC

9   Result:

10   General Result: Command performed successfully

11 Coding in Hex:

81	03	01	10	00	82	02	82	81	83	01	00

12 SEQ 5B: CALL CONTROL BY CSIM (set up call attempt by UICC, CSIM gives no
13   response data, SW 90 00, ME supports user confirmation after sending the
14   Call Control envelope)

Step	Direction	Message/Action	Comments
1.	CS → ME	PROACTIVE COMMAND: SET UP CALL PENDING	ME asks for user confirmation after sending the ENVELOPE CALL CONTROL command
2.	ME→CS	FETCH	
3.	CS → ME	PROACTIVE COMMAND: SET UP CALL	Set up call to "+01234567890123456789"
4.	ME → CS	ENVELOPE CALL CONTROL	[CR1]
5.	CS → ME	90 00	
6.	ME -> USER	ME displays "+01234567890123456789" during user confirmation phase.	[CR7]
7.	USER -> ME	The user confirms the call set up	User confirmation. [CR7]
8.	ME → NS	The ME sets up the call without modification	Origination Message with digits "01234567890123456789" " and parameters specified in the ENVELOPE CALL CONTROL. [CR2]
9.	ME → CS	TERMINAL RESPONSE: SET UP CALL	Command performed successfully. [CR5]

15 PROACTIVE COMMAND: SET UP CALL (Step 3)

16 See the PROACTIVE COMMAND: SET UP CALL (Step 3) of SEQ 5A.

1   ENVELOPE CALL CONTROL (Step 4)

2   See the ENVELOPE CALL CONTROL (Step 6) of SEQ 5A.

3   TERMINAL RESPONSE: SET UP CALL (Step 9)

4   See the TERMINAL RESPONSE: SET UP CALL (Step 9) of SEQ 5A.

5   SEQ 6A: CALL CONTROL BY CSIM (set up call attempt by UICC, with CSIM response
6   "allowed no modification", ME supports user confirmation before sending the
7   Call Control envelope)

Step	Direction	Message/Action	Comments
1.	CS → ME	PROACTIVE COMMAND: SET UP CALL PENDING	ME asks for user confirmation before sending the ENVELOPE CALL CONTROL command
2.	ME→CS	FETCH	
3.	CS → ME	PROACTIVE COMMAND: SET UP CALL	Set up call to "+01234567890123456789"
4.	ME -> USER	ME displays "+01234567890123456789" during user confirmation phase.	[CR7]
5.	USER -> ME	The user confirms the call set up	User confirmation. [CR7]
6.	ME → CS	ENVELOPE CALL CONTROL	[CR1]
7.	CS → ME	CALL CONTROL RESULT	Call Control Result: "Allowed, no modification"
8.	ME → NS	The ME sets up the call without modification	Origination Message with digits "01234567890123456789" and parameters specified in the ENVELOPE CALL CONTROL. [CR2]
9.	ME → CS	TERMINAL RESPONSE: SET UP CALL	Command performed successfully. [CR5]

8   PROACTIVE COMMAND: SET UP CALL (Step 3)

9   See the PROACTIVE COMMAND: SET UP CALL (Step 3) of SEQ 5A.

10 ENVELOPE CALL CONTROL (Step 6)

11 See the ENVELOPE CALL CONTROL (Step 2) of SEQ 1.

12 CALL CONTROL RESULT (Step 7)

13 Command details:

14   Call Control Result: '00' = Allowed, no modification

15 Coding in Hex:

00	00

1 TERMINAL RESPONSE: SET UP CALL (Step 9)

2 See the TERMINAL RESPONSE: SET UP CALL (Step 9) of SEQ 5A.

3 SEQ 6B: CALL CONTROL BY CSIM (set up call attempt by UICC, with CSIM response
4 "allowed no modification", ME supports user confirmation after sending the
5 Call Control envelope)

Step	Direction	Message/Action	Comments
1.	CS → ME	PROACTIVE COMMAND: SET UP CALL PENDING	ME asks for user confirmation after sending the ENVELOPE CALL CONTROL command
2.	ME→CS	FETCH	
3.	CS → ME	PROACTIVE COMMAND: SET UP CALL	Set up call to "+01234567890123456789"
4.	ME → CS	ENVELOPE CALL CONTROL	[CR1]
5.	CS → ME	CALL CONTROL RESULT	Call Control Result: "Allowed, no modification"
6.	ME -> USER	ME displays "+01234567890123456789" during user confirmation phase.	[CR7]
7.	USER -> ME	The user confirms the call set up	User confirmation. [CR7]
8.	ME → NS	The ME sets up the call without modification	Origination Message with digits "01234567890123456789" and parameters specified in the ENVELOPE CALL CONTROL. [CR2]
9.	ME → CS	TERMINAL RESPONSE: SET UP CALL	Command performed successfully. [CR5]

6 PROACTIVE COMMAND: SET UP CALL (Step 3)

7 See the PROACTIVE COMMAND: SET UP CALL (Step 3) of SEQ 5A.

8 ENVELOPE CALL CONTROL (Step 4)

9 See the ENVELOPE CALL CONTROL (Step 2) of SEQ 1.

10 CALL CONTROL RESULT (Step 5)

11 See the CALL CONTROL RESULT (Step 7) of SEQ 6A.

12 TERMINAL RESPONSE: SET UP CALL (Step 9)

13 See the TERMINAL RESPONSE: SET UP CALL (Step 9) of SEQ 5A.

14 SEQ 7A: CALL CONTROL BY CSIM (set up call attempt by UICC, with CSIM response
15 not allowed, ME supports user confirmation before sending the Call Control
16 envelope)

Step	Direction	Message/Action	Comments
1.	CS → ME	PROACTIVE COMMAND: SET UP CALL PENDING	ME asks for user confirmation before sending the ENVELOPE CALL CONTROL command
2.	ME→CS	FETCH	
3.	CS → ME	PROACTIVE COMMAND: SET UP CALL	Set up call to "+01234567890123456789"
4.	ME -> USER	ME displays "+01234567890123456789" during user confirmation phase.	[CR7]
5.	USER -> ME	The user confirms the call set up	User confirmation. [CR7]
6.	ME → CS	ENVELOPE CALL CONTROL	[CR1]
7.	CS → ME	CALL CONTROL RESULT	Call Control Result: "Not Allowed"
8.	ME → CS	TERMINAL RESPONSE: SET UP CALL	Permanent Problem – Interaction with Call Control. [CR5]
9.	ME → NS	The ME does not set up the call	ME didn't send an Origination Message. [CR3]

1   PROACTIVE COMMAND: SET UP CALL (Step 3)

2   See the PROACTIVE COMMAND: SET UP CALL (Step 3) of SEQ 5A.

3   ENVELOPE CALL CONTROL (Step 6)

4   See the ENVELOPE CALL CONTROL (Step 2) of SEQ 1.

5   CALL CONTROL RESULT (Step 7)

6   Command details:

7   Call Control Result: '01' = not Allowed

8   Coding in Hex:

01	00

9   TERMINAL RESPONSE: SET UP CALL (Step 8)

10   Command details:

11   Command number: '01'

12   Command type: '10' SET UP CALL

13   Command qualifier: '00' Only if not currently busy on another call

14   Device identities:

15   Source device: ME

16   Destination device: UICC

1 Result:

2 General Result: '39' Interaction with call control by CSIM, permanent
3 problem

4 Additional information: '00' No specific cause can be given

5 Coding in Hex:

81	03	01	10	00	82	02	82	81	83	02	39	01

6 SEQ 7B: CALL CONTROL BY CSIM (set up call attempt by UICC, with CSIM response
7 not allowed, ME supports user confirmation after sending the Call Control
8 envelope)

Step	Direction	Message/Action	Comments
1.	CS → ME	PROACTIVE COMMAND: SET UP CALL PENDING	ME asks for user confirmation after sending the ENVELOPE CALL CONTROL command
2.	ME→CS	FETCH	
3.	CS → ME	PROACTIVE COMMAND: SET UP CALL	Set up call to "+01234567890123456789"
4.	ME → CS	ENVELOPE CALL CONTROL	[CR1]
5.	CS → ME	CALL CONTROL RESULT	Call Control Result: "Not Allowed"
6.	ME → CS	TERMINAL RESPONSE: SET UP CALL	Permanent Problem – Interaction with Call Control. [CR5]
7.	ME → NS	The ME does not set up the call	ME didn't send an Origination Message. [CR3]

9 PROACTIVE COMMAND: SET UP CALL (Step 3)

10 See the PROACTIVE COMMAND: SET UP CALL (Step 3) of SEQ 5A.

11 ENVELOPE CALL CONTROL (Step 4)

12 See the ENVELOPE CALL CONTROL (Step 2) of SEQ 1.

13 CALL CONTROL RESULT (Step 5)

14 See the CALL CONTROL RESULT (Step 7) of SEQ 7A.

15 TERMINAL RESPONSE: SET UP CALL (Step 6)

16 See the TERMINAL RESPONSE: SET UP CALL (Step 8) of SEQ 7A.

17 SEQ 8A: CALL CONTROL BY CSIM (set up call attempt by UICC, with CSIM response
18 "allowed with modifications", ME supports user confirmation before sending
19 the Call Control envelope)

Step	Direction	Message/Action	Comments
1.	CS → ME	PROACTIVE COMMAND: SET UP CALL PENDING	ME asks for user confirmation before sending the ENVELOPE CALL CONTROL command
2.	ME → CS	FETCH	
3.	CS → ME	PROACTIVE COMMAND: SET UP CALL	Set up call to "+01234567890123456789"
4.	ME → USER	ME displays "+01234567890123456789" during user confirmation phase.	[CR7]
5.	USER → ME	The user confirms the call set up	User confirmation. [CR7]
6.	ME → CS	ENVELOPE CALL CONTROL	[CR1]
7.	CS → ME	CALL CONTROL RESULT	Call Control Result: "Allowed with modifications"
8.	ME → NS	The ME sets up the call to "+011111111111"	Origination Message with digits "+011111111111" and parameters specified in the ENVELOPE CALL CONTROL. [CR4]
9.	ME → CS	TERMINAL RESPONSE: SET UP CALL	Command performed successfully. [CR5]

1 PROACTIVE COMMAND: SET UP CALL (Step 3)

2 See the PROACTIVE COMMAND: SET UP CALL (Step 3) of SEQ 5A.

3 ENVELOPE CALL CONTROL (Step 6)

4 See the ENVELOPE CALL CONTROL (Step 2) of SEQ 1.

5 CALL CONTROL RESULT (Step 7)

6 Command details:

7   Call Control Result: '02' = Allowed with modifications

8   Address:

9   TON: '1001' International

10   NPI: '0001' "ISDN / telephone numbering plan" or
11   "unknown"

12   Dialling number string   "011111111111"

13 Coding in Hex:

02	09	86	07	91	10	11	11	11	11	11

14 TERMINAL RESPONSE: SET UP CALL (Step 9)

15 See the TERMINAL RESPONSE: SET UP CALL (Step 9) of SEQ 5A.

1 SEQ 8B: CALL CONTROL BY CSIM (set up call attempt by UICC, with CSIM response
2   "allowed with modifications", ME supports user confirmation after sending
3   the Call Control envelope)

Step	Direction	Message/Action	Comments
1.	CS → ME	PROACTIVE COMMAND: SET UP CALL PENDING	ME asks for user confirmation after sending the ENVELOPE CALL CONTROL command
2.	ME → CS	FETCH	
3.	CS → ME	PROACTIVE COMMAND: SET UP CALL	Set up call to "+01234567890123456789"
4.	ME → CS	ENVELOPE CALL CONTROL	[CR1]
5.	CS → ME	CALL CONTROL RESULT	Call Control Result: "Allowed with modifications"
6.	ME → USER	ME displays "+01234567890123456789" during user confirmation phase.	[CR7]
7.	USER → ME	The user confirms the call set up	User confirmation. [CR7]
8.	ME → NS	The ME sets up the call to "+011111111111"	Origination Message with digits "+011111111111" and parameters specified in the ENVELOPE CALL CONTROL. [CR4]
9.	ME → CS	TERMINAL RESPONSE: SET UP CALL	Command performed successfully. [CR5]

4 PROACTIVE COMMAND: SET UP CALL (Step 3)

5 See the PROACTIVE COMMAND: SET UP CALL (Step 3) of SEQ 5A.

6 ENVELOPE CALL CONTROL (Step 4)

7 See the ENVELOPE CALL CONTROL (Step 2) of SEQ 1.

8 CALL CONTROL RESULT (Step 5)

9 See the CALL CONTROL RESULT (Step 7) of SEQ 5A.

10 TERMINAL RESPONSE: SET UP CALL (Step 9)

11 See the TERMINAL RESPONSE: SET UP CALL (Step 9) of SEQ 5A.

12 SEQ 9:   CALL CONTROL BY CSIM (Emergency call attempt by user stored in the ME)

Step	Direction	Message/Action	Comments
1.	USER → ME	ME sets up call to "111"	Digits string '111' is in EF$_{ECC}$ The ME does not send an ENVELOPE:CALL CONTROL to the card. [CR6]

Step	Direction	Message/Action	Comments
2.	ME → NS	The ME sets up an emergency call;	ME sets up an emergency call. [CR6]

7.3.1.2 Reserved for Procedure for Supplementary (SS) Services and USSD

7.3.1.3 Reserved for Interaction with Fixed Dialling Number (FDN)

7.3.1.4 Support of Barred Dialling Number (BDN) service

7.3.1.5 Reserved for Support of Barred Dialling Number (BDN) service

7.3.1.6 Reserved for Barred Dialling Number (BDN) service handling for terminals not supporting BDN

1   ## 7.3.2   Reserved for MO Short Message Control by UICC

2   No predefined subsections yet.

7.4 Reserved for Timer Expiration

No predefined subsections yet.

1 7.5   EVENT DOWNLOAD
2

3 7.5.1   EVENT DOWNLOAD (MT Call Event)

4 7.5.1.1   Definition and Applicability

5 The ME shall support the EVENT DOWNLOAD (MT Call Event) command as defined in
6 section 7.5.1 of [6]

7 This test case is applicable for all MEs supporting speech calls and CDMA Card
8 Application Toolkit enabled UICCs.

9 7.5.1.2   Conformance Requirement

10   CR 1   If the MT Call Event is part of the current event list, then when the terminal
11   receives an incoming call setup message, the ME shall inform the UICC that
12   this has occurred, by using the ENVELOPE (EVENT DOWNLOAD - MT call)
13   command as defined in clause 7.5.1.2 of [6].

14 7.5.1.3   Test Purpose

15 The purpose of the test is to verify that the ME supports the EVENT DOWNLOAD (MT
16 Call Event) command.

17 7.5.1.4   Method of Test

18 7.5.1.4.1   Initial Conditions

19 The common initial conditions as defined in section 2.1 apply.

20 7.5.1.4.2   Procedure

21 SEQ 1:   EVENT DOWNLOAD – MT Call

Step	Direction	Message/Action	Comments
1.	CS → ME	PROACTIVE COMMAND PENDING	
2.	ME → CS	FETCH	
3.	CS → ME	PROACTIVE COMMAND: SET UP EVENT LIST	Event list: MT call
4.	ME → CS	TERMINAL RESPONSE: SET UP EVENT LIST	General Result: Command performed successfully
5.	NS → ME	Incoming Call is received from the network	
6.	NS → ME	Service Connect Message	CON_REF='01'
7.	ME → CS	ENVELOPE: EVENT DOWNLOAD - MT Call	Transaction Identifier = '01'. [CR1]

Step	Direction	Message/Action	Comments
8.	USER → ME	User terminates the call.	

1 PROACTIVE COMMAND: SET UP EVENT LIST (Step 3):

2 Command details:

3 Command number: '01'

4 Command type: '05' SET UP EVENT LIST

5 Command qualifier: '00' RFU

6 Device identities:

7   Source device: UICC

8   Destination device: ME

9 Event list:

10   Event 1:   '00' MT call

11 Coding in Hex:

D0	0C	81	03	01	05	00	82	02	81	82	99	01	00

12 TERMINAL RESPONSE: SET UP EVENT LIST (Step 4):

13 Command details:

14 Command number: '01'

15 Command type: '05' SET UP EVENT LIST

16 Command qualifier: '00' RFU

17 Device identities:

18   Source device: ME

19   Destination device: UICC

20 Result:

21   General Result: '00' Command performed successfully

22 Coding in Hex:

81	03	01	05	00	82	02	82	81	83	01	00

23 ENVELOPE: EVENT DOWNLOAD – MT Call (Step 6)

24 Command details:

25 Event list:

26 Event list: '00' MT call event

27 Device identities:

28   Source device: Network

1   Destination device: UICC

2   Transaction identifier:

3   CON REF: '01'

4 Coding in Hex:

D6	0A	19	01	00	82	02	83	81	1C	01	01

5 7.5.1.4.3   Test Requirement

6 • The ME shall operate in the manner defined in SEQ 1.

₁ 7.5.2   EVENT DOWNLOAD (Call Connected Event)

₂ 7.5.2.1   EVENT DOWNLOAD (Call Connected Event (MT and MO call))

₃ 7.5.2.1.1   Definition and Applicability

₄ The ME shall support the EVENT DOWNLOAD (Call Connected Event (MT and MO
₅ call)) command as defined in section 7.5.2 of [6].

₆ This test case is applicable for all MEs supporting speech calls and CDMA Card
₇ Application Toolkit enabled UICCs.

₈ 7.5.2.1.2   Conformance Requirement

₉ CR 1   The ME shall inform the UICC that an incoming call has occurred by using
₁₀   the ENVELOPE (EVENT DOWNLOAD – Call Connected) command when the
₁₁   "Call Connected" event is part of the current event list in SET UP EVENT
₁₂   LIST command.

₁₃ CR 2   The ME shall inform the UICC that an outgoing call has occurred by using
₁₄   the ENVELOPE (EVENT DOWNLOAD – Call Connected) command when the
₁₅   "Call Connected" event is part of the current event list in SET UP EVENT
₁₆   LIST command.

₁₇ 7.5.2.1.3   Test Purpose

₁₈ The purpose of the test is to verify that the ME supports the EVENT DOWNLOAD (Call
₁₉ Connected Event (MT and MO call)) command.

₂₀ 7.5.2.1.4   Method of Test

₂₁ 7.5.2.1.4.1   Initial Conditions

₂₂ The common initial conditions as defined in section 2.1 apply.

₂₃ 7.5.2.1.4.2   Procedure

₂₄ SEQ 1:   EVENT DOWNLOAD – CALL CONNECTED - Incoming Call

Step	Direction	Message/Action	Comments
1.	CS → ME	PROACTIVE COMMAND PENDING	
2.	ME → CS	FETCH	
3.	CS → ME	PROACTIVE COMMAND: SET UP EVENT LIST	Event list: Call Connected
4.	ME → CS	TERMINAL RESPONSE: SET UP EVENT LIST	General Result: Command performed successfully
5.	NS → ME	Incoming Call	
6.	USER → ME	User accepts the call	

Step	Direction	Message/Action	Comments
7.	ME → NS	Connect Order	CON_REF='01'
8.	ME → CS	ENVELOPE: EVENT DOWNLOAD – CALL CONNECTED	Transaction Identifier = '02'. [CR1]
9.	USER → ME	User terminates the call.	

1 PROACTIVE COMMAND: SET UP EVENT LIST (Step 3):

2 Command details:

3   Command number: '01'

4   Command type: '05' SET UP EVENT LIST

5   Command qualifier: '00' RFU

6   Device identities:

7   Source device: UICC

8   Destination device: ME

9   Event list:

10   Event 1:   '01' CALL CONNECTED

11 Coding in Hex:

D0	0C	81	03	01	05	00	82	02	81	82	99	01	01

12 TERMINAL RESPONSE: SET UP EVENT LIST (Step 4):

13 Command details:

14   Command number: '01'

15   Command type: '05' SET UP EVENT LIST

16   Command qualifier: '00' RFU

17   Device identities:

18   Source device: ME

19   Destination device: UICC

20   Result:

21   General Result: '00' Command performed successfully

22 Coding in Hex:

81	03	01	05	00	82	02	82	81	83	01	00

1 ENVELOPE: EVENT DOWNLOAD – CALL CONNECTED (Step 8)

2 Command details:

3   Event list:

4   Event list: '01' CALL CONNECTED

5   Device identities:

6   Source device: ME

7   Destination device: UICC

8   Transaction identifier:

9   CON REF: '01'

10 Coding in Hex:

D6	0A	19	01	00	82	02	82	81	1C	01	01

11 SEQ 2:   EVENT DOWNLOAD – CALL CONNECTED - Outgoing Call

Step	Direction	Message/Action	Comments
1.	CS → ME	PROACTIVE COMMAND PENDING	
2.	ME → CS	FETCH	
3.	CS → ME	PROACTIVE COMMAND: SET UP EVENT LIST	Event list: Call Connected
4.	ME → CS	TERMINAL RESPONSE: SET UP EVENT LIST	General Result: Command performed successfully
5.	USER → ME	Initiates a call to '123'	
6.	ME → NS	ME sets up the call	Origination Message
7.	ME → NS	Service Connect Message	ME completes the call, CON_REF='01'
8.	ME → CS	ENVELOPE: EVENT DOWNLOAD – CALL CONNECTED	Transaction Identifier = '01'. [CR2]
9.	USER → ME	User terminates the call.	

12 PROACTIVE COMMAND: SET UP EVENT LIST (Step 3):

13 Same data as in SEQ 1, Step 3.

14 TERMINAL RESPONSE: SET UP EVENT LIST (Step 4):

15 Same data as in SEQ 1, Step 4.

1 ENVELOPE: EVENT DOWNLOAD – CALL CONNECTED (Step 8)

2 Command details:

3   Event list:

4   Event list: '01' CALL CONNECTED

5   Device identities:

6   Source device: Network

7   Destination device: UICC

8   Transaction identifier:

9   CON REF: '01'

10 Coding in Hex:

D6	0A	19	01	00	82	02	83	81	1C	01	01

11 ### 7.5.2.1.5 Test Requirement

12 • The ME shall operate in the manner defined in SEQ 1 and SEQ 2.

13 ## 7.5.2.2 EVENT DOWNLOAD (Call Connected Event (ME Supporting SET
14 UP CALL))

15 ### 7.5.2.2.1 Definition and Applicability

16 The ME shall support the EVENT DOWNLOAD (Call Connected Event (ME Supporting
17 SET UP CALL)) command as defined in section 7.5.2 of [6].

18 This test case is applicable for all MEs supporting speech calls and CDMA Card
19 Application Toolkit enabled UICCs.

20 ### 7.5.2.2.2 Conformance Requirement

21   CR 1   The ME shall send the TERMINAL RESPONSE related to the SET UP CALL
22   command and the EVENT DOWNLOAD command when the setup call is
23   initiated by SET UP CALL proactive command and the "Call Connected" event
24   is part of the current event list.
25   CR 2   If the MT Call Event is part of the current event list, then when the ME
26   receives an incoming call setup message, the terminal shall inform the UICC
27   that this has occurred, by using the ENVELOPE (EVENT DOWNLOAD - MT
28   call) command as defined in clause 7.5.1.2 of [6].

29 ### 7.5.2.2.3 Test Purpose

30 The purpose of the test is to verify that the ME supports the EVENT DOWNLOAD (Call
31 Connected Event (ME Supporting SET UP CALL)) command.

1 ## 7.5.2.2.4   Method of Test

2 ### 7.5.2.2.4.1   Initial Conditions

3 The common initial conditions as defined in section 2.1 apply.

4 ### 7.5.2.2.4.2   Procedure

5 SEQ 1:   EVENT DOWNLOAD – CALL CONNECTED, with SET UP CALL

Step	Direction	Message/Action	Comments
1.	CS → ME	PROACTIVE COMMAND PENDING	
2.	ME → CS	FETCH	
3.	CS → ME	PROACTIVE COMMAND: SET UP EVENT LIST	Event list: Call Connected
4.	ME → CS	TERMINAL RESPONSE: SET UP EVENT LIST	General Result: Command performed successfully [CR1]
5.	CS → ME	PROACTIVE COMMAND PENDING	
6.	ME → CS	FETCH	
7.	CS → ME	PROACTIVE COMMAND: SET UP CALL	
8.	ME → USER	ME displays "+012340123456"	
9.	USER → ME	Confirm call set up	Origination Message is attempted by ME
10.	NS → ME	Service Connect Message	CON_REF = 01
11.	ME → CS	TERMINAL RESPONSE: SET UP CALL	General Result = Command performed successfully [CR1]
12	ME → CS	ENVELOPE: Call Connected	Transaction identifier = '01' [CR2]

6 PROACTIVE COMMAND: SET UP EVENT LIST (Step 3):

7 Command details:

8 Command number: '01'

9 Command type: '05' SET UP EVENT LIST

10 Command qualifier: '00' RFU

11 Device identities:

12 Source device: UICC

13 Destination device: ME

1   Event list:

2   Event 1:   '01' CALL CONNECTED

3   Coding in Hex:

D0	0C	81	03	01	05	00	82	02	81	82	99	01	01

4   TERMINAL RESPONSE: SET UP EVENT LIST (Step 4):

5   Command details:

6   Command number: '01'

7   Command type: '05' SET UP EVENT LIST

8   Command qualifier: '00' RFU

9   Device identities:

10   Source device: ME

11   Destination device: UICC

12   Result:

13   General Result: '00' Command performed successfully

14   Coding in Hex:

81	03	01	05	00	82	02	82	81	83	01	00

15   PROACTIVE COMMAND: SET UP CALL (Step 7)

16   Command details:

17   Command number: '01'

18   Command type: '10' SET UP CALL

19   Command qualifier: '00' Only if not currently busy on another call

20   Device identities:

21   Source device: UICC

22   Destination device: Network

23   Alpha identifier:

24   Alpha identifier: "+012340123456"

25   Address:

26   TON: '1001' International

27   NPI: '0001' ISDN/telephone numbering plan

28   Dialing number string: 012340123456

1 Coding in Hex:

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													

2 TERMINAL RESPONSE: SET UP CALL (Step 11)

3 Command details:

4   Command number: '01'

5   Command type: '10' SET UP CALL

6   Command qualifier: '00' Only if not currently busy on another call

7   Device identities:

8   Source device: ME

9   Destination device: UICC

10   Result:

11   General Result: '00' Command performed successfully

12 Coding in Hex:

81	03	01	10	00	82	02	82	81	83	01	00

13 ENVELOPE: EVENT DOWNLOAD – CALL CONNECTED (Step 12)

14 Command details:

15   Event list:

16   Event list: '01' CALL CONNECTED

17   Device identities:

18   Source device: Network

19   Destination device: UICC

20   Transaction identifier:

21   CON REF: '01'

22 Coding in Hex:

D6	0A	19	01	01	82	02	83	81	1C	01	01

23 ## 7.5.2.2.5   Test Requirement

24 • The ME shall operate in the manner defined in SEQ 1.

7.5.3 EVENT DOWNLOAD (Call Disconnected Event)

7.5.3.1 Definition and Applicability

The ME shall support the EVENT DOWNLOAD (Call Disconnected Event) command as defined in section 7.5.3 of [6].

This test case is applicable for all MEs supporting speech calls and CDMA Card Application Toolkit enabled UICCs.

7.5.3.2 Conformance Requirement

CR 1 The ME shall report a disconnection using the ENVELOPE (EVENT DOWNLOAD - call disconnected) command, with source = Terminal, when the ME initiates the disconnection and the "Call Disconnected" event is part of the current event list.

CR 2 The ME shall report a disconnection using the ENVELOPE (EVENT DOWNLOAD - call disconnected) command, with source = Terminal, when there is a radio link failure disconnection and the "Call Disconnected" event is part of the current event list.

CR 3 The ME shall report a disconnection using the ENVELOPE (EVENT DOWNLOAD - call disconnected) command, with source = Network, when the network initiates the disconnection and the "Call Disconnected" event is part of the current event list.

7.5.3.3 Test Purpose

The purpose of the test is to verify that the ME supports the EVENT DOWNLOAD (Call Disconnected Event) command.

7.5.3.4 Method of Test

7.5.3.4.1 Initial Conditions

The common initial conditions as defined in section 2.1 apply.

7.5.3.4.2 Procedure

SEQ 1: EVENT DOWNLOAD – MT Call

Step	Direction	Message/Action	Comments
1.	CS → ME	PROACTIVE COMMAND PENDING	
2.	ME → CS	FETCH	
3.	CS → ME	PROACTIVE COMMAND: SET UP EVENT LIST	Event list: Call Disconnected
4.	ME → CS	TERMINAL RESPONSE: SET UP EVENT LIST	General Result = Command performed successfully

Step	Direction	Message/Action	Comments
5.	USER → ME	Initiates a call to '123'	The CON_REF='01' from the Service Connect Message is used as the Transaction Identifier.
6.	NS → ME	Network releases the call	Far-end disconnection
7.	ME → CS	ENVELOPE: EVENT DOWNLOAD - Call Disconnected (far-end)	Transaction Identifier = '01'. [CR3]
8.	USER → ME	Initiates a call to '123'	The CON_REF='01' from the Service Connect Message is used as the Transaction Identifier.
9.	USER → ME	User terminates the call.	Near-end disconnection
10.	ME → CS	ENVELOPE: EVENT DOWNLOAD - Call Disconnected (near-end)	Transaction Identifier = '01'. [CR1]
11.	USER → ME	Initiates a call to '123'	The CON_REF='01' from the Service Connect Message is used as the Transaction Identifier.
12.	NS → ME	Reduce network TX PWR to (-110dbm)	(signal lost) "near-end" disconnection
13.	ME → CS	ENVELOPE: EVENT DOWNLOAD - Call Disconnected (near-end)	Transaction Identifier = '01'. [CR2]

1 PROACTIVE COMMAND: SET UP EVENT LIST (Step 3):

2 Command details:

3   Command number: '01'

4   Command type: '05' SET UP EVENT LIST

5   Command qualifier: '00' RFU

6   Device identities:

7   Source device: UICC

8   Destination device: ME

9   Event list:

10   Event 1:   '02' Call Disconnected

11 Coding in Hex:

D0	0C	81	03	01	05	00	82	02	81	82	99	01	02

12 TERMINAL RESPONSE: SET UP EVENT LIST (Step 4):

13 Command details:

14   Command number: '01'

15   Command type: '05' SET UP EVENT LIST

16   Command qualifier: '00' RFU

1   Device identities:

2   Source device: ME

3   Destination device: UICC

4   Result:

5   General Result: '00' Command performed successfully

6   Coding in Hex:

81	03	01	05	00	82	02	82	81	83	01	00

7   ENVELOPE: EVENT DOWNLOAD – Call Disconnected (far-end) (Step 7)

8   Command details:

9   Event list:

10   Event list: '02' Call Disconnected

11   Device identities:

12   Source device: Network

13   Destination device: UICC

14   Transaction identifier:

15   CON REF: '01'

16   Coding in Hex:

D6	0A	19	01	02	82	02	83	81	1C	01	01

17   ENVELOPE: EVENT DOWNLOAD – Call Disconnected (near-end) (Step 10 and Step 13)

18   Command details:

19   Event list:

20   Event list: '02' Call Disconnected

21   Device identities:

22   Source device: ME

23   Destination device: UICC

24   Transaction identifier:

25   CON REF: '01'

26   Coding in Hex:

D6	0A	19	01	02	82	02	82	81	1C	01	01

27 7.5.3.5   Test Requirement

28   • The ME shall operate in the manner defined in SEQ 1.

7.5.4   EVENT DOWNLOAD (Location Status Event)

7.5.4.1   Definition and Applicability

The ME shall support the EVENT DOWNLOAD (Location Status Event) command as defined in section 7.5.4 of [6].

This test case is applicable for all MEs supporting speech calls and CDMA Card Application Toolkit enabled UICCs.

7.5.4.2   Conformance Requirement

CR 1   If the "Location Status Event" is part of the current event list, the ME shall send the ENVELOPE (EVENT DOWNLOAD – Location Status) to the UICC when it enters the idle state with the result that either the Location Status or Location Information has been changed or updated.

7.5.4.3   Test Purpose

The purpose of the test is to verify that the ME supports the EVENT DOWNLOAD (Location Status Event) command.

7.5.4.4   Method of Test

7.5.4.4.1   Initial Conditions

The common initial conditions as defined in section 2.1 apply.

The ME is registered to cdma2000 1X network.

The NS configuration shall be the following:

MCC: 310

NID: '02'

SID: '01'

BASE_ID: '22'

BASE_LAT: '1920'

BASE_LONG: '1800'

7.5.4.4.2   Procedure

SEQ 1:   EVENT DOWNLOAD – Access Technology Change, single access technology

Step	Direction	Message/Action	Comments
1.	CS → ME	PROACTIVE COMMAND PENDING	
2.	ME → CS	FETCH	
3.	CS → ME	PROACTIVE COMMAND: SET UP EVENT LIST	Event list: Location status

Step	Direction	Message/Action	Comments
4.	ME → CS	TERMINAL RESPONSE: SET UP EVENT LIST	General Result = Command performed successfully
5.	NS	Change values of BASE_ID=00 00, BASE_LAT and BASE_LONG to '00 00 00' in the System Parameter Message	ME detects the changes in the System parameter message
6.	ME → CS	ENVELOPE: EVENT DOWNLOAD - Location Status	Normal service with Location Information: BASE_ID=00 00, BASE_LAT and BASE_LONG to '00 00 00'. [CR1]
7.	NS	Switch off BS	ME loses CDMA000 1X coverage
8.	ME → CS	ENVELOPE: EVENT DOWNLOAD - Location Status	No Service. [CR1]

1   PROACTIVE COMMAND: SET UP EVENT LIST (Step 3):

2   Command details:

3   Command number: '01'

4   Command type: '05' SET UP EVENT LIST

5   Command qualifier: '00' RFU

6   Device identities:

7   Source device: UICC

8   Destination device: ME

9   Event list:

10   Event 1:   '03' Location status

11   Coding in Hex:

D0	0C	81	03	01	05	00	82	02	81	82	99	01	03

12   TERMINAL RESPONSE: SET UP EVENT LIST (Step 4):

13   Command details:

14   Command number: '01'

15   Command type: '05' SET UP EVENT LIST

16   Command qualifier: '00' RFU

17   Device identities:

18   Source device: ME

19   Destination device: UICC

1   Result:

2   General Result: '00' Command performed successfully

3   Coding in Hex:

81	03	01	05	00	82	02	82	81	83	01	00

4   ENVELOPE: EVENT DOWNLOAD – Location Status (Step 6)

5   Command details:

6   Event list:

7   Event list: '03' Location status

8   Device identities:

9   Source device: ME

10   Destination device: UICC

11   Location Status:

12   Location Status: '00' normal service

13   Location Information:

14   MCC: 310

15   IMSI_11_12   02

16   SID   '01 00'

17   NID   '02 00'

18   BASE_ID   '00 00'

19   BASE_LAT   '00 00 00'

20   BASE_LONG   '00 00 00'

21   Coding in Hex:

D6	0A	19	01	03	82	02	82	81	1B	01	00	13	0F	36	01
02	01	00	02	00	00	00	00	00	00	00	00				

22   ENVELOPE: EVENT DOWNLOAD – Location Status (Step 8)

23   Command details:

24   Event list:

25   Event list: '03' Location status

26   Device identities:

27   Source device: ME

28   Destination device: UICC

29   Location Status:

30   Location Status: '02' no service

1   Coding in Hex:

D6	0A	19	01	03	82	02	82	81	1B	01	00

2   7.5.4.5   Test Requirement

3   • The ME shall operate in the manner defined in SEQ 1.

7.5.5   EVENT DOWNLOAD (User Activity Event)

7.5.5.1   Definition and Applicability

The ME shall support the EVENT DOWNLOAD (User Activity Event) command as defined in section 7.5.5 of [6].

This test case is applicable for all MEs supporting the option "ME supports keypad" [Table A.1/60].

7.5.5.2   Conformance Requirement

See section 27.22.7.5.1.2 of [7].

7.5.5.3   Test Purpose

The purpose of the test is to verify that the ME supports the EVENT DOWNLOAD (User Activity Event) command.

The support of this command shall be tested as defined in 27.22.7.5.1 of [7].

7.5.5.4   Method of Test

7.5.5.4.1   Initial Conditions

The common initial conditions as defined in section 2.1 apply.

7.5.5.4.2   Procedure

SEQ 1:   See section 27.22.7.5.1.4.2 of [7], Expected Sequence 1.1 (EVENT DOWNLOAD –USER ACTIVITY)

7.5.5.5   Test Requirement

- The ME shall operate in the manner defined in SEQ 1.

7.5.6   EVENT DOWNLOAD (Idle Screen Available)

7.5.6.1   Definition and Applicability

The ME shall support the EVENT DOWNLOAD (Idle Screen Available) command as defined in section 7.5.6 of [6].

This test case is applicable for all MEs supporting Card Application Toolkit enabled UICCs if the options "ME supports display capability" [Table A.1/59] and "ME supports keypad" [Table A.1/60].

7.5.6.2   Conformance Requirement

See section 27.22.7.6.1.2 of [7].

7.5.6.3   Test Purpose

The purpose of the test is to verify that the ME supports the EVENT DOWNLOAD (Idle Screen Available) command.

The support of this command shall be tested as defined in 27.22.7.6.1 of [7].

7.5.6.4   Method of Test

7.5.6.4.1   Initial Conditions

The common initial conditions as defined in section 2.1 apply.

7.5.6.4.2   Procedure

SEQ 1:   See section 27.22.7.6.1.4.2 of [7], Expected Sequence 1.1 (EVENT DOWNLOAD – IDLE SCREEN AVAILABLE)

7.5.6.5   Test Requirement

• The ME shall operate in the manner defined in SEQ 1.

1 ## 7.5.7 Reserved for EVENT DOWNLOAD (Card Reader
2 Status)

3 ### 7.5.7.1 Reserved for EVENT DOWNLOAD (Card Reader Status
4 (Normal))

5 ### 7.5.7.2 Reserved for EVENT DOWNLOAD (Card Reader Status
6 (Detachable Card Reader))

7.5.8 EVENT DOWNLOAD (Language Selection Event)

7.5.8.1 Definition and Applicability

The ME shall support the EVENT DOWNLOAD (Language Selection Event) command as defined in section 7.5.8 of [6].

This test case is applicable for all MEs supporting Card Application Toolkit enabled UICCs if the options "ME supports display capability" [Table A.1/59], "ME supports keypad" [Table A.1/60] and "ME supports multiple languages" [Table A.1/63].

7.5.8.2 Conformance Requirement

See section 27.22.7.8.1.2 of [7].

7.5.8.3 Test Purpose

The purpose of the test is to verify that the ME supports the EVENT DOWNLOAD (Language Selection Event) command.

The support of this command shall be tested as defined in 27.22.7.8.1 of [7].

7.5.8.4 Method of Test

7.5.8.4.1 Initial Conditions

The common initial conditions as defined in section 2.1 apply.

7.5.8.4.2 Procedure

SEQ 1: See section 27.22.7.8.1.4.2 of [7], Expected Sequence 1.1 (EVENT DOWNLOAD – LANGUAGE SELECTION)

7.5.8.5 Test Requirement

- The ME shall operate in the manner defined in SEQ 1.

7.5.9 Reserved for EVENT DOWNLOAD (Browser Termination Event)

No predefined subsections yet.

7.5.10   EVENT DOWNLOAD (Data Available Event)

7.5.10.1 EVENT DOWNLOAD (Data Available Event (Related to NAA))

An appropriate test can be found in section 6.4.29.4.2 – SEQ 1.

7.5.10.2 EVENT DOWNLOAD (Data Available Event (Related to UICC Server Mode))

7.5.10.2.1 Definition and Applicability

The ME shall support the EVENT DOWNLOAD (Data Available Event (Related to UICC Server Mode)) command as defined in section 7.5.10 of [6].

This test case is applicable for all MEs supporting Card Application Toolkit enabled UICCs.

7.5.10.2.2 Conformance Requirement

See section 27.22.7.10.2.2 of [7].

7.5.10.2.3 Test Purpose

The purpose of the test is to verify that the ME supports the EVENT DOWNLOAD (Data Available Event (Related to UICC Server Mode)) command.

The support of this command shall be tested as defined in 27.22.7.10.2 of [7].

7.5.10.2.4 Method of Test

7.5.10.2.4.1   Initial Conditions

The common initial conditions as defined in section 2.1 apply.

7.5.10.2.4.2   Procedure

SEQ 1:   See section 27.22.7.10.2.4.2 of [7], Expected Sequence 1.1 (EVENT DOWNLOAD – Data available, successful)

7.5.10.2.4.3   Test Requirement

• The ME shall operate in the manner defined in SEQ 1.

7.5.11 EVENT DOWNLOAD (Channel Status Event)

7.5.11.1 EVENT DOWNLOAD (Channel Status Event)

An appropriate test can be found in section 6.4.31.4.2 – SEQ 3.

7.5.11.2 EVENT DOWNLOAD (Channel Status Event (Related to UICC Server Mode))

7.5.11.2.1 Definition and Applicability

The ME shall support the EVENT DOWNLOAD (Channel Status Event (Related to UICC Server Mode)) command as defined in section 7.5.11 of [6].

This test case is applicable for all MEs supporting Card Application Toolkit enabled UICCs.

7.5.11.2.2 Conformance Requirement

See section 27.22.7.11.2.2 of [7].

7.5.11.2.3 Test Purpose

The purpose of the test is to verify that the ME supports the EVENT DOWNLOAD (Channel Status Event (Related to UICC Server Mode)) command.

The support of this command shall be tested as defined in 27.22.7.11.2 of [7].

7.5.11.2.4 Method of Test

7.5.11.2.4.1 Initial Conditions

The common initial conditions as defined in section 2.1 apply.

7.5.11.2.4.2 Procedure

SEQ 1: See section 27.22.7.11.2.4.2 of [7], Expected Sequence 1.1 (EVENT DOWNLOAD – Channel Status, TCP in LISTEN state)

SEQ 2: See section 27.22.7.11.2.4.2 of [7], Expected Sequence 1.2 (EVENT DOWNLOAD – Channel Status, TCP in ESTABLISHED state)

7.5.11.2.5 Test Requirement

• The ME shall operate in the manner defined in SEQ 1 and SEQ 2.

¹ # 7.5.12　EVENT DOWNLOAD (Access Technology Change
² Event)

³ ## 7.5.12.1 Definition and Applicability

⁴ The ME shall support the EVENT DOWNLOAD (Access Technology Change Event)
⁵ command as defined in section 7.5.12 of [6].

⁶ Sequence SEQ 1 of this test case is applicable for all MEs supporting cdma2000 1X
⁷ technology and CDMA Card Application Toolkit enabled UICCs.

⁸ Sequence SEQ 2 of this test case is applicable for all MEs supporting cdma2000 1X
⁹ and cdma2000 HRPD technologies and CDMA Card Application Toolkit enabled
¹⁰ UICCs.

¹¹ ## 7.5.12.2 Conformance Requirement

¹² CR 1　　The ME shall send an ENVELOPE (EVENT DOWNLOAD - Access Technology
¹³ Change) command when the "Access Technology Change" event is part of the
¹⁴ current event list in SET UP EVENT LIST command.

¹⁵ ## 7.5.12.3 Test Purpose

¹⁶ The purpose of the test is to verify that the ME supports the EVENT DOWNLOAD
¹⁷ (Access Technology Change Event) command.

¹⁸ ## 7.5.12.4 Method of Test

¹⁹ ### 7.5.12.4.1　Initial Conditions

²⁰ The common initial conditions as defined in section 2.1 apply.

²¹ To execute sequence SEQ 1 the NS has to be turned off at the beginning of the test.

²² To execute sequence SEQ 2 the ME has to be registered in a cdma2000 1X network
²³ provided by the NS.

²⁴ ### 7.5.12.4.2　Procedure

²⁵ SEQ 1:　EVENT DOWNLOAD – Access Technology Change, single access technology

Step	Direction	Message/Action	Comments
1.	CS → ME	PROACTIVE COMMAND PENDING	
2.	ME → CS	FETCH	
3.	CS → ME	PROACTIVE COMMAND: SET UP EVENT LIST	Event list: Access Technology Change
4.	ME → CS	TERMINAL RESPONSE: SET UP EVENT LIST	General Result = Command performed successfully
5.	NS	Enable cdma2000 1X network	ME detects cdma2000 1X access technology

Step	Direction	Message/Action	Comments
6.	ME → CS	ENVELOPE: EVENT DOWNLOAD - Access technology change Event (cdma2000 1X)	Access Technology: cdma2000 1X. [CR 1]

1. PROACTIVE COMMAND: SET UP EVENT LIST (Step 3):

2. Command details:

3. Command number: '01'

4. Command type: '05' SET UP EVENT LIST

5. Command qualifier: '00' RFU

6. Device identities:

7.   Source device: UICC

8.   Destination device: ME

9. Event list:

10.   Event 1:   '0B' Access Technology Change (single access
11.   technology)

12. Coding in Hex:

D0	0C	81	03	01	05	00	82	02	81	82	99	01	0B

13. TERMINAL RESPONSE: SET UP EVENT LIST (Step 4):

14. Command details:

15. Command number: '01'

16. Command type: '00' SET UP EVENT LIST

17. Command qualifier: '00' RFU

18. Device identities:

19.   Source device: ME

20.   Destination device: UICC

21. Result:

22.   General Result: '00' Command performed successfully

23. Coding in Hex:

81	03	01	05	00	82	02	82	81	83	01	00

1   ENVELOPE: EVENT DOWNLOAD – Access Technology Change (Step 6)

2   Command details:

3   Event list:

4   Event list: '0B' Access Technology Change (single access
5   technology)

6   Device identities:

7   Source device: ME

8   Destination device: UICC

9   Access Technology:

10   Access Technology: '06' cdma2000 1X

11   Coding in Hex:

D6	0A	19	01	0B	82	02	82	81	3F	01	06

12   SEQ 2:   EVENT DOWNLOAD – Access Technology Change, single access technology

Step	Direction	Message/Action	Comments
1.	CS → ME	PROACTIVE COMMAND PENDING	
2.	ME → CS	FETCH	
3.	CS → ME	PROACTIVE COMMAND: SET UP EVENT LIST	Event list: Access Technology Change
4.	ME → CS	TERMINAL RESPONSE: SET UP EVENT LIST	General Result = Command performed successfully
5.	NS	Disable cdma2000 1X network and enable cdma2000 HRPD network	ME detects cdma2000 HRPD access technology
6.	ME → CS	ENVELOPE: EVENT DOWNLOAD - Access technology change Event (cdma2000 HRPD)	Access Technology: cdma2000 HRPD. [CR 1]

13   PROACTIVE COMMAND: SET UP EVENT LIST (Step 3):

14   Same data as in SEQ 1, Step 3.

15   TERMINAL RESPONSE: SET UP EVENT LIST (Step 4):

16   Same data as in SEQ 1, Step 4.

1 ENVELOPE: EVENT DOWNLOAD – Access Technology Change (Step 6)

2 Command details:

3   Event list:

4   Event list: '0B' Access Technology Change (single access
5   technology)

6   Device identities:

7   Source device: ME

8   Destination device: UICC

9   Access Technology:

10   Access Technology: '07' cdma2000 HRPD

11 Coding in Hex:

D6	0A	19	01	0B	82	02	82	81	3F	01	07

12 7.5.12.5 Test Requirement

13 • The ME shall operate in the manner defined in SEQ 1 and SEQ 2.

7.5.13 Reserved for EVENT DOWNLOAD (Display Parameters Changed Event)

No predefined subsections yet.

7.5.14 Reserved for EVENT DOWNLOAD (Local Connection Event)

No predefined subsections yet.

7.5.15 Reserved for EVENT DOWNLOAD (Network Search Mode Change Event)

No predefined subsections yet.

7.5.16 Reserved for EVENT DOWNLOAD (Browsing Status Event)

No predefined subsections yet.

7.5.17 Reserved for EVENT DOWNLOAD (Frames Information Changed Event)

No predefined subsections yet.

7.5.18 Reserved for EVENT DOWNLOAD (HCI Connectivity Event)

No predefined subsections yet.

7.5.19 Reserved for EVENT DOWNLOAD (Contactless State Request)

No predefined subsections yet.

7.5.20 Reserved for EVENT DOWNLOAD (Profile Container)

No predefined subsections yet.

1 Annex A - (Normative) Supported Options

2 Table A.1 of this document is set up to cover 3GPP2 specific requirements and might
3 be used as an add-on to the Options Table (Table A.1) of [7] if needed.

4 According to [7] the supplier of the implementation shall state the support of each
5 optional feature listed in Table A.1. The selection of applicable test cases for a certain
6 cdma2000® device might require a filled Supported Options list.

7 ## A.1   Format of the Table of Supported Optional Features

8   Item: Item No.

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

10   Status: M mandatory – the capability is required to be supported.

11   O optional – the capability may be supported or not.

12   A1<xx> exception no.- an explanation is given beneath the table.

13   Support: Column for the ME supplier to state 'yes' if an optional feature is
14   supported or 'no' if not.

15 **Table A.1 – Optional Features**

Item	Option	Status	Support
1	Capability Configuration parameter	M	
2	Sustained text	M	
3	UCS2 coding scheme for Entry	O	
4	Extended Text String	M	
5	Help information	O	
6	Icons	O	
7	Class A: Dual Slot	O	
8	Detachable reader	O	
9	Class B: RUN AT	O	
10	Class C: LAUNCH BROWSER	O	
11	Class D: Soft keys	O	
12	B.I.P related to CS Bearer (Class E)	O	
13	Screen sizing parameters	O	
14	Screen Resizing	O	
15	UCS2 coding scheme for Display	O	
16	Support of Packet Data Service Bearer	O	
17	Terminal supporting UDP	O	
18	Terminal supporting TCP	O	
19	Redial in Set Up Call	O	

Item	Option	Status	Support
20	Terminal decision to respond with "No response from user" in finite time	O	
21	Class E: B.I.P related to Packet Data Service Bearer	O	
22	ME supporting Called Party Subaddress	O	
23	Immediate response	O	
24	Variable Timeout	O	
25	Void	O	
26	Class F: B.I.P related to local bearer	O	
27	BlueTooth Support	O	
28	IrDA Support	O	
29	RS232 Support	O	
30	USB Support	O	
31	WML Browser Support	O	
32	XHTML Browser Support	O	
33	HTML Browser Support	O	
34	CHTML Browser Support	O	
35	Class G: Battery Data	O	
36	Class H: Multimedia Call support	O	
37	Class I: Frame support	O	
38	Class J: Multimedia Support	O	
39	ME requesting user confirmation before sending the Envelope Call Control command	O	
40	ME requesting user confirmation after sending the Envelope Call Control command	O	
41	UCS2 in Cyrillic	O	
42	UCS2 in Chinese	O	
43	UCS2 in Katakana	O	
44	Text attributes – Alignment left	O	
45	Text attributes – Alignment center	O	
46	Text attributes – Alignment right	O	
47	Text attributes – Font size normal	O	
48	Text attributes – Font size large	O	
49	Text attributes – Font size small	O	
50	Text attributes – Style normal	O	
51	Text attributes – Style bold	O	
52	Text attributes – Style italic	O	
53	Text attributes – Style underlined	O	

Item	Option	Status	Support
54	Text attributes – Style strikethrough	O	
55	Text attributes – Style text foreground color	O	
56	Text attributes – Style text background color	O	
57	ME supporting "+CGMI" in combination with Run AT Command	O	
58	Class E: ME supports TCP, UICC in Server Mode	O	
59	ME supports display capability	A101	
60	ME supports keypad	A101	
61	ME supports audio alerting	A101	
62	ME supports speech call	A101	
63	ME supports multiple languages	A101	
64	Class E and T: UICC Access to IMS Support	O	
65	Support of global phonebook	O	
66	Support of default item selection in Select Item	O	
67	Class E: B.I.P related to Default (Network) Bearer	O	
A101	If feature is optional (O) for data terminals. The implementation is mandatory (M) for all other terminals.		

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1 Annex B - (Normative) Information to be provided by 2 the ME supplier

3 Conditional information has to be provided by the ME supplier with respect to the
4 Supported Option Table A.1.

5 The selection of applicable test cases for a certain cdma2000 device might require a
6 filled Supported Options list.

7 **B.1 Format of the Table of Information to be provided by the ME supplier**

8 Item: Item No.

9 Description: Command and function description the conditional value is given.

10 Value: Input value for the conditional data given in appropriate format.

11 E.g.: time in seconds

12 Status: C conditional

13 **Table B.1 – Information to be provided by the ME supplier**

Item	Description	Value	Status
1	DISPLAY TEXT No Response from user timeout interval		C
2	GET INKEY No Response from user timeout interval		C
3	GET INPUT No Response from user timeout interval		C
4	SELECT ITEM No Response from user timeout interval		C
5-22	Void		
23	MEID		C
24	Void		
25	ESN		C
26	Additional Card Reader ID		C
27	Channel ID		C
28	Manufacturer identification as implemented according to 3GPP TS 127 007 [6], clause 5.1- Void? Check!		C
29	Preferred buffer size supported by the terminal for Open Channel command		C

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1 Annex C - (Normative) TERMINAL PROFILE

2 The coding of the TERMINAL PROFILE list is set up to meet 3GPP2 requirements but
3 is structured similar to the TERMINAL PROFILE Table (Table E.1) of [7].

4 If the support of an item is mandatory it is marked with an 'M' in the 'Support'
5 column. Optional items are marked with an 'O' and prohibited items with a 'P'. Items
6 that require the support of one or more 'Supported Options' to become mandatory will
7 give a reference to the supported option(s) from Table A.1. If the option listed in table
8 A.1 is not supported the bit is set to '0' or not present unless otherwise indicated.
9 Table A.1 values and combinations of Table A.1 values are represented by reference
10 numbers in the 'Support' column. If more than one reference applies the reference
11 numbers are 'AND' combined by using a ','.

12 A list of Supported Options might be provided by the ME vendor to ease the
13 determination of applicable test cases.

14
Table C.1 – TERMINAL PROFILE

ID	Byte.Bit	TERMINAL PROFILE Item	Rev	Support
1	1.1	Profile Download	0	M
2	1.2	Reserved by 3GPP: SMS-PP data download	0	O
3	1.3	Reserved by 3GPP: Cell Broadcast data download	0	O
4	1.4	Menu selection	0	C267, C268
5	1.5	Reserved by 3GPP: Bit =1 if SMS-PP data Download supported	0	O
6	1.6	Timer expiration	0	M
7	1.7	Reserved by 3GPP: Bit=1 if Call control supported	0	O
8	1.8	Bit=1 if Call control by RUIM/CSIM supported	0	C270
9	2.1	Command result	0	M
10	2.2	Call Control by RUIM/CSIM	0	C270
11	2.3	Bit=1 if Call control by RUIM/CSIM supported	0	C270
12	2.4	Reserved by 3GPP: MO short message control by USIM	0	O
13	2.5	Bit=1 if Call control supported	0	C270
14	2.6	UCS2 Entry supported	0	C203, C268
15	2.7	UCS2 Display supported	0	C204_C267
16	2.8	Bit=1 if Display Text supported	0	C267
17	3.1	DISPLAY TEXT	0	C267
18	3.2	GET INKEY	0	C267, C268
19	3.3	GET INPUT	0	C267, C268
20	3.4	MORE TIME	0	M
21	3.5	PLAY TONE	0	C269
22	3.6	POLL INTERVAL	0	M

ID	Byte.Bit	TERMINAL PROFILE Item	Rev	Support
23	3.7	POLLING OFF	0	M
24	3.8	REFRESH	0	M
25	4.1	SELECT ITEM	0	C267, C268
26	4.2	Reserved by 3GPP: SEND SHORT MESSAGE	0	O
27	4.3	Reserved by 3GPP: SEND SS	0	O
28	4.4	Reserved by 3GPP: SEND USSD	0	O
29	4.5	SET UP CALL	0	C267, C268, C270
30	4.6	SET UP MENU	0	C267, C268
31	4.7	PROVIDE LOCAL INFORMATION (LOCI & IMEI)	0	M
32	4.8	PROVIDE LOCAL INFORMATION (NMR)	0	M
33	5.1	SET UP EVENT LIST	0	M
34	5.2	Event: MT call	0	C270
35	5.3	Event: Call connected	0	C270
36	5.4	Event: Call disconnected	0	C270
37	5.5	Event: Location status	0	M
38	5.6	Event: User activity	0	C268
39	5.7	Event: Idle screen available	0	C267
40	5.8	Event: Card reader status	0	C206
41	6.1	Event: Language selection	0	C271
42	6.2	Event: Browser Termination	0	C212, C267, C268
43	6.3	Event: Data available	0	C223
44	6.4	Event: Channel status	0	C223
45	6.5	Event: Access Technology Change	0	M
46	6.6	Event: Display Parameters Changed	0	C218, C267
47	6.7	Event: Local Connection	0	C224
48	6.8	Event: Network Search Mode Change	A	M
49	7.1	POWER ON CARD	0	C206
50	7.2	POWER OFF CARD	0	C206
51	7.3	PERFORM CARD APDU	0	C206
52	7.4	GET READER STATUS (Card reader status)	0	C206
53	7.5	GET READER STATUS (Card reader identifier)	0	C208
54	7.6	RFU		P
55	7.7	RFU		P
56	7.8	RFU		P
57	8.1	TIMER MANAGEMENT (start, stop)	0	M
58	8.2	TIMER MANAGEMENT (get current value)	0	M

ID	Byte.Bit	TERMINAL PROFILE Item	Rev	Support
59	8.3	PROVIDE LOCAL INFORMATION (date, time and time zone)	0	M
60	8.4	Bit=1 if Get Inkey	0	C268
61	8.5	SET UP IDLE MODE TEXT	0	C267
62	8.6	RUN AT COMMAND (i.e. class "b" is supported)	0	C209
63	8.7	Bit=1 if Set UpCall	0	C267, C268, C270
64	8.8	Bit=1 if Call Control	0	C270
65	9.1	Bit=1 if Display Text	0	C267
66	9.2	SEND DTMF command	0	C270
67	9.3	Bit = 1 if Provide Local Information (NMR) supported	0	M
68	9.4	PROVIDE LOCAL INFORMATION (language)	0	M
69	9.5	Reserved by 3GPP: PROVIDE LOCAL INFORMATION (Timing Advance)	0	O
70	9.6	LANGUAGE NOTIFICATION	0	C271
71	9.7	LAUNCH BROWSER	0	C212, C267, C268
72	9.8	PROVIDE LOCAL INFORMATION (Access Technology)	0	M
73	10.1	Soft keys support for SELECT ITEM	0	C213
74	10.2	Soft Keys support for SET UP MENU	0	C213
75	10.3	RFU		P
76	10.4	RFU		P
77	10.5	RFU		P
78	10.6	RFU		P
79	10.7	RFU		P
80	10.8	RFU		P
81	11.1	Maximum number of soft keys available ('FF' = RFU)	0	C214
82	11.2	Maximum number of soft keys available ('FF' = RFU)	0	C214
83	11.3	Maximum number of soft keys available ('FF' = RFU)	0	C214
84	11.4	Maximum number of soft keys available ('FF' = RFU)	0	C214
85	11.5	Maximum number of soft keys available ('FF' = RFU)	0	C214
86	11.6	Maximum number of soft keys available ('FF' = RFU)	0	C214
87	11.7	Maximum number of soft keys available ('FF' = RFU)	0	C214
88	11.8	Maximum number of soft keys available ('FF' = RFU)	0	C214
89	12.1	OPEN CHANNEL	0	C223
90	12.2	CLOSE CHANNEL	0	C223
91	12.3	RECEIVE DATA	0	C223
92	12.4	SEND DATA	0	C223
93	12.5	GET CHANNEL STATUS	0	C223

ID	Byte.Bit	TERMINAL PROFILE Item	Rev	Support
94	12.6	SERVICE SEARCH	0	C224
95	12.7	GET SERVICE INFORMATION	0	C224
96	12.8	DECLARE SERVICE	0	C224
97	13.1	CSD supported by ME	0	C207
98	13.2	Reserved by 3GPP: GPRS supported by ME	0	O
99	13.3	Bluetooth supported by terminal	0	C225
100	13.4	IrDA Supported by terminal	0	C226
101	13.5	RS232 Supported by terminal	0	C227
102	13.6	Number of channels supported by ME	0	C223, C257
103	13.7	Number of channels supported by ME	0	C223, C257
104	13.8	Number of channels supported by ME	0	C223, C257
105	14.1	Number of characters supported down the ME	0	C274
106	14.2	Number of characters supported down the ME	0	C274
107	14.3	Number of characters supported down the ME	0	C274
108	14.4	Number of characters supported down the ME	0	C274
109	14.5	Number of characters supported down the ME	0	C274
110	14.6	Reserved by 3GPP: No display capability (i.e. class "ND" is indicated)	0	O
111	14.7	Reserved by 3GPP: No keypad available (i.e. class "NK" is indicated)	0	O
112	14.8	Screen Sizing Parameters	0	C216
113	15.1	Number of characters supported across the ME display	0	C274
114	15.2	Number of characters supported across the ME display	0	C274
115	15.3	Number of characters supported across the ME display	0	C274
116	15.4	Number of characters supported across the ME display	0	C274
117	15.5	Number of characters supported across the ME display	0	C274
118	15.6	Number of characters supported across the ME display	0	C274
119	15.7	Number of characters supported across the ME display	0	C274
120	15.8	Variable size fonts Supported	0	C274
121	16.1	Display can be resized	0	C218
122	16.2	Text Wrapping supported	0	C273
123	16.3	Text Scrolling supported	0	C273
124	16.4	Text attributes supported	A	C228
125	16.5	RFU		P
126	16.6	Width reduction when in a menu	0	C274
127	16.7	Width reduction when in a menu	0	C274
128	16.8	Width reduction when in a menu	0	C274

ID	Byte.Bit	TERMINAL PROFILE Item	Rev	Support
129	17.1	TCP, UICC in client mode	0	C220
130	17.2	UDP, UICC in client mode	0	C221
131	17.3	TCP, UICC server mode (i.e. class "k" is supported)	A	C257
132	17.4	Reserved by 3GPP: TCP, Terminal in server mode (i.e. class "k" is supported)	0	O
133	17.5	Reserved by 3GPP: UDP, Terminal in server mode (i.e. class "k" is supported)	0	O
134	17.6	Reserved by 3GPP: Direct communication channel (i.e. class "k" is supported)	0	O
135	17.7	Reserved by 3GPP: E- UTRAN (i.e. if class "e" is supported)	0	O
136	17.8	Reserved by 3GPP: HSDPA supported by ME	0	O
137	18.1	DISPLAY TEXT (Variable time out)	0	C229
138	18.2	GET INKEY (help is supported while waiting for immediate response or variable time out)	0	C231
139	18.3	USB (Bearer Independent protocol supported bearers, class "e")	0	C232
140	18.4	GET INKEY (Variable time out)	0	C229, C267, C268
141	18.5	Reserved for 3GPP2: PROVIDE LOCAL INFORMATION (ESN)	0	M
142	18.6	Reserved by 3GPP: CALL CONTROL on GPRS	A	O
143	18.7	PROVIDE LOCAL INFORMATION (IMEISV)	A	M
144	18.8	PROVIDE LOCAL INFORMATION (search mode change)	A	M
145	19.1	Reserved by TIA/EIA-136 (Protocol Version)		P
146	19.2	Reserved by TIA/EIA-136 (Protocol Version)		P
147	19.3	Reserved by TIA/EIA-136 (Protocol Version)		P
148	19.4	Reserved by TIA/EIA-136 (Protocol Version)		P
149	19.5	RFU		P
150	19.6	RFU		P
151	19.7	RFU		P
152	19.8	RFU		P
153	20.1	SEND CDMA SMS	0	M
154	20.2	CDMA SMS-PP data download	0	M
155	20.3	CDMA SMS BROADCAST data download	0	M
156	20.4	RFU		P
157	20.5	RFU		P
158	20.6	RFU		P
159	20.7	RFU		P
160	20.8	RFU		P
161	21.1	WML browser supported	A	C233, C267

ID	Byte.Bit	TERMINAL PROFILE Item	Rev	Support
162	21.2	XHTML browser supported	A	C234, C267
163	21.3	HTML browser supported	A	C235, C267
164	21.4	CHTML browser supported	A	C236, C267
165	21.5	RFU		P
166	21.6	RFU		P
167	21.7	RFU		P
168	21.8	RFU		P
169	22.1	Reserved by 3GPP: Support of UTRAN PS with extended parameters	A	O
170	22.2	PROVIDE LOCAL INFORMATION (Battery state) if class "g" supported	A	TBD
171	22.3	PLAY TONE (Melody tones & themed tones supported)	A	TBD
172	22.4	Multi-media in SET UP CALL supported (if class "h" supported)	A	TBD
173	22.5	Reserved by 3GPP: Toolkit-initiated GBA	A	O
174	22.6	Reserved by 3GPP: RETRIEVE MULTIMEDIA MESSAGE, (if class "j" is supported)	0	O
175	22.7	Reserved by 3GPP: SUBMIT MULTIMEDIA MESSAGE, (if class "j" is supported)	0	O
176	22.8	Reserved by 3GPP: DISPLAY MULTIMEDIA MESSAGE, (if class "j" is supported)	0	O
177	23.1	SET FRAMES supported (if class "i" supported)	A	C237
178	23.2	GET FRAMES STATUS supported (if class "i" supported)	A	C237
179	23.3	Reserved by 3GPP: MMS notification download (if class "j" is supported)	0	O
180	23.4	Reserved by 3GPP: Alpha Identifier in REFRESH command supported by terminal	0	O
181	23.5	Reserved by 3GPP: Geographical Location Reporting (if class "n" is supported)	0	O
182	23.6	Reserved for 3GPP2: PROVIDE LOCAL INFORMATION (MEID)	0	M
183	23.7	Reserved by 3GPP: PROVIDE LOCAL INFORMATION (NMR(UTRAN/E-UTRAN))	A	O
184	23.8	Reserved by 3GPP: USSD Data Download and application mode	A	O
185	24.1	Maximum number of frames supported (if class "i" supported)	A	C256
186	24.2	Maximum number of frames supported (if class "i" supported)	A	C256
187	24.3	Maximum number of frames supported (if class "i" supported)	A	C256
188	24.4	Maximum number of frames supported (if class "i" supported)	A	C256
189	24.5	RFU	0	P
190	24.6	RFU	0	P
191	24.7	RFU	0	P
192	24.8	RFU	0	P

ID	Byte.Bit	TERMINAL PROFILE Item	Rev	Support
193	25.1	Event: browsing status	A	C212, C267, C268
194	25.2	RFU	0	P
195	25.3	Event Frame parameters changed (if class "i" supported)	A	C237
196	25.4	Reserved by 3GPP: Event: I-WLAN Access status (if class "e" is supported)	0	O
197	25.5	Reserved by 3GPP: Event: Network Rejection	0	O
198	25.6	Reserved by ETSI TS 102 223	0	O
199	25.7	Reserved by 3GPP: Event Network Rejection for E-UTRAN	0	O
200	25.8	RFU	0	P
201	26.1	Reserved by 3GPP: Event CSG Cell Selection (if class "q" is supported)	A	O
202	26.2	Reserved by ETSI TS 102 223	A	O
203	26.3	RFU		P
204	26.4	RFU		P
205	26.5	RFU		P
206	26.6	RFU		P
207	26.7	RFU		P
208	26.8	RFU		P
209	27.1	RFU		P
210	27.2	RFU		P
211	27.3	RFU		P
212	27.4	RFU		P
213	27.5	RFU		P
214	27.6	RFU		P
215	27.7	RFU		P
216	27.8	RFU		P
217	28.1	Alignment left supported	A	C243
218	28.2	Alignment center supported	A	C244
219	28.3	Alignment right supported	A	C245
220	28.4	Font size normal supported	A	C246
221	28.5	Font size large supported	A	C247
222	28.6	Font size small supported	A	C248
223	28.7	RFU		P
224	28.8	RFU		P
225	29.1	Style normal supported	A	C249
226	29.2	Style bold supported	A	C250

ID	Byte.Bit	TERMINAL PROFILE Item	Rev	Support
227	29.3	Style italic supported	A	C251
228	29.4	Style underlined supported	A	C252
229	29.5	Style strikethrough supported	A	C253
230	29.6	Style text foreground color supported	A	C254
231	29.7	Style text background color supported	A	C255
232	29.8	RFU	A	P
233	30.1	I-WLAN bearer support (if class "e" is supported)	A	O
234	30.2	Proactive UICC: PROVIDE LOCAL INFORMATION (WSID of the current I-WLAN connection)	A	O
235	30.3	TERMINAL APPLICATIONS (i.e. class "k" is supported)	A	O
236	30.4	Steering of Roaming REFRESH support	A	O
237	30.5	Reserved by ETSI	A	O
238	30.6	Proactive UICC: Geographical Location Request (if class "n" is supported)	A	O
239	30.7	Reserved by ETSI TS 102 223 [16]	A	O
240	30.8	Steering of Roaming for I-WLAN REFRESH support	A	O
241	31.1	Reserved by ETSI TS 102 223 [16]	A	O
242	31.2	Support of CSG cell discovery (if class "q" is supported)	A	O
243	31.3	Confirmation parameters supported for OPEN CHANNEL in Terminal Server Mode	A	O
244	31.4	Communication Control for IMS	A	O
245	31.5	Support of CAT over the modem interface (if class "s" is supported)	A	O
246	31.6	Support for Incoming IMS Data event (if classes "e" and "t" are supported)	A	O
247	31.7	Support for IMS Registration event (if classes "e" and "t" are supported)	A	O
248	31.8	Reserved by ETSI	A	O
249	32.1	IMS support (if class "e" and "t" are supported)	A	O
250	32.2	RFU		P
251	32.3	RFU		P
252	32.4	RFU		P
253	32.5	RFU		P
254	32.6	RFU		P
255	32.7	RFU		P
256	32.8	RFU		P

C203	IF A.1/3 THEN M
C204	IF A.1/15 THEN M
C206	IF A.1/7 THEN M

C207	IF A.1/12 THEN M
C208	IF (A.1/7 AND A.1/8) THEN M
C209	IF A.1/9 THEN M
C212	IF A.1/10 THEN M
C213	IF (A.1/11 AND A.1/60) THEN M for at least one of the bits 1 - 2 of byte 10
C214	IF C213 THEN M for at least one, but not for all of the bits 1 - 8 of byte 11
C216	IF (A.1/13 AND A.1/59) THEN M
C218	IF (A.1/14 AND A.1/59) THEN M
C220	IF A.1/18 THEN M
C221	IF A.1/17 THEN M
C223	IF (A.1/12 OR A.1/21 OR (A1.26 AND (A.1/27 OR A.1/28 OR A.1/29 OR A.1/30))) THEN M ELSE O
C224	IF (A1.26 AND (A.1/27 OR A.1/28 OR A.1/29 OR A.1/30)) THEN M ELSE O
C225	IF (A.1/26 AND A1.27) THEN M
C226	IF (A.1/26 AND A1.28) THEN M
C227	IF (A.1/26 AND A1.29) THEN M
C228	IF ((A1./44 OR A.1/45 OR A.1/46 OR A.1/47 OR A.1/48 OR A.1/49 OR A.1/50 OR A.1/51 OR A.1/52 OR A.1/53 OR A.1/54 OR A.1/55 OR A.1/56) AND A.1/59) THEN M
C229	IF (A.1/24 AND A.1/59) THEN M
C231	IF ((A.1/24 AND A.1/59) OR (A.1/23 AND A.1/60)) AND A1.5 THEN M
C232	IF (A.1/26 AND A.1/30) THEN M
C233	IF A.1/31 THEN M
C234	IF A.1/32 THEN M
C235	IF A.1/33 THEN M
C236	IF A.1/34 THEN M
C237	IF (A.1/37 AND A.1/59) THEN M
C243	IF (A.1/44 AND A.1/59) THEN M
C244	IF (A.1/45 AND A.1/59) THEN M
C245	IF (A.1/46 AND A.1/59) THEN M
C246	IF (A.1/47 AND A.1/59) THEN M
C247	IF (A.1/48 AND A.1/59) THEN M
C248	IF (A.1/49 AND A.1/59) THEN M
C249	IF (A.1/50 AND A.1/59) THEN M
C250	IF (A.1/51 AND A.1/59) THEN M
C251	IF (A.1/52 AND A.1/59) THEN M
C252	IF (A.1/53 AND A.1/59) THEN M
C253	IF (A.1/54 AND A.1/59) THEN M
C254	IF (A.1/55 AND A.1/59) THEN M

C255	IF (A.1/56 AND A.1/59) THEN M
C256	IF (A.1/37 AND A.1/59) THEN M for at least one of the bits 1 - 4 of byte 24
C257	IF (A.1/12 OR A.1/21 OR (A1.26 AND (A.1/27 OR A.1/28 OR A.1/29 OR A.1/30))) THEN M for at least one of the bits 6 - 8 of byte 13
C267	IF A.1/59 THEN M
C268	IF A.1/60 THEN M
C269	IF A.1/61 THEN M
C270	IF A.1/62 THEN M
C271	IF A.1/63 THEN M
C273	IF A.1/59 THEN O
C274	IF A.1/59 THEN bit values '0' / '1' allowed

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