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PROJECT 2
"3GPP2"

Signaling Test Specification for Mobile Station Equipment Identifier (MEID) Support for cdma2000 Spread Spectrum Systems

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- 1 No text.

FOREWORD

(This foreword is not part of this Specification)

This Specification was prepared by Technical Specification Group C of the Third Generation Partnership Project 2 (3GPP2). This Specification is the first revision of the document and tests the signaling requirements of C.S0072-0 (Mobile Station Equipment Identifier (MEID) Support for cdma2000^{®1} Spread Spectrum Systems) in various configurations, including with an R-UIM identified by an Expanded UIMID (EUIMID).

SCOPE

This specification defines air interface signaling conformance and interoperability tests for CDMA base stations and mobile stations implementing MEID (See [5]).

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- 1 No text.

REFERENCES

1 The following standards contain provisions which, through reference in this text,
2 constitute provisions of this Specification. At the time of publication, the editions indicated
3 were valid. All standards are subject to revision, and parties to agreements based on this
4 Specification are encouraged to investigate the possibility of applying the most recent
5 editions of the standards indicated below. ANSI and TIA maintain registers of currently
6 valid national standards published by them.

7 3GPP2 Standards:

- 8 1. C.S0005-D, *Upper Layer (Layer 3) Signaling Standard for cdma2000 Spread*
9 *Spectrum Systems*
- 10 2. C.S0066-0, *Over-the-Air Service Provisioning for MEID-Equipped Mobile Stations in*
11 *Spread Spectrum Systems*
- 12 3. C.S0016-C, *Over-the-Air Service Provisioning of Mobile Stations in Spread Spectrum*
13 *Systems*
- 14 4. C.S0044-A, *Interoperability Specification for cdma2000 Air Interface*
- 15 5. C.S0072-0, *Mobile Station Equipment Identifier (MEID) Support for cdma2000 Spread*
16 *Spectrum Systems*
- 17 6. C.S0023-C, *Removable User Identity Module for Spread Spectrum Systems*
- 18 7. C.S0065-0, *cdma2000 Application on UICC for Spread Spectrum Systems*
- 19 8. C.S0024-0, *CDMA HighRate Packet Data Air Interface*
- 20 9. C.S0024-A, *CDMA HighRate Packet Data Air Interface*
- 21 10. C.S0043-0, *Signaling Conformance Test Specification for cdma2000 Spread Spectrum*
22 *Systems*

- 1 No text.

1 Introduction

In this document, 'mobile station' refers to a subscriber terminal, handset, PDA, wireless local loop unit, or any other subscriber terminal that communicates with the base station at the air interface. 'Base station' refers to the composite functionality of the base station and connected network elements or emulators.

This test specification covers test cases for P_REV_IN_USE 6 to 10. This test specification also covers test cases for devices supporting [8] and/or [9].

Separate signaling conformance tests are specified for mobile stations and base stations. Conformance tests are typically performed using an emulator to interface with the unit under test, with a cabled connection for the RF interface. Any test should be executed only if unit under test supports corresponding feature.

For interoperability test cases, a cabled connection is typically used for the air interface connection between the mobile station and base station.

Test cases in this specification are applicable to non R-UIM mobile stations and R-UIM mobile equipments provisioned with MEID. Note that test cases for ESN provisioned mobile equipment with R-UIM card (provisioned with UIMID, LF_EUIMID or SF_EUIMID) are not covered in this specification, but test cases specified in [10] and [4] are sufficient to test R-UIM configurations with ESN mobile stations.

Unless specified otherwise in a test case, channel conditions for a test shall be set to have low FER. Unless specified otherwise in a test case, setup shown in Figure 1 shall be used for all test cases in this document. Note that mobile station shown in Figure 1 consists of mobile equipment and User Identity Module (UIM). The UIM may be integrated or removable.

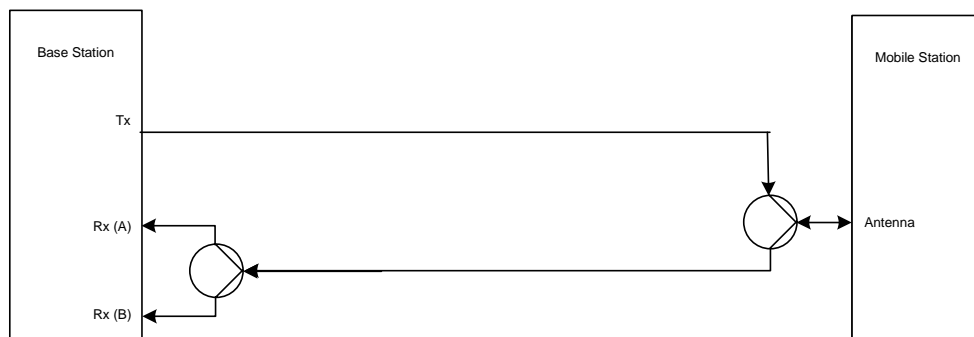


Figure 1 Test Setup

- 1 No text.

2 Conformance Tests

2.1 MEID Support Indicator

2.1.1 Mobile Station Test

2.1.1.1 Definition

This test verifies that the mobile station sets MEID support indicator properly. This test case is applicable to all mobile stations provisioned with MEID (e.g. mobile stations with or without R-UIM, R-UIM mobile stations regardless of R-UIM configuration).

2.1.1.2 Traceability

See [5]:

2.1.2 Setting of the Station Class Mark field

See [1]:

2.7.1.3.2.1 Registration Message

2.7.1.3.2.4 Origination Message

2.7.1.3.2.5 Page Response Message

2.7.1.3.2.10 Extended Status Response Message

2.7.2.3.2.16 Status Response Message

2.7.4.7 Terminal Information

3.7.2.3.2.15 Status Request Message

3.7.3.3.2.16 Status Request Message

2.1.1.3 Call Flow Example(s)

None

2.1.1.4 Method of Measurement

- a. Instruct the base station to set POWER_UP_REG = 1 in the *System Parameters Message* or *ANSI – 41 System Parameters Message*.
- b. Power on the mobile station.
- c. Verify the mobile station sends a *Registration Message* with MEID Support Indicator set to '1' in the SCM (Station Class Mark) field.
- d. Initiate a mobile station originated call.
- e. Verify that the mobile station sends an *Origination Message* with MEID Support Indicator set to '1' in the SCM (Station Class Mark) field.

- 1 f. Instruct base station to send a *Status Request Message* with RECORD_TYPE =
2 '00001000' (Terminal Information) on f-dsch.
- 3 g. Verify that the mobile station responds with a *Status Response Message* with
4 RECORD_TYPE = '00001000' (Terminal Information), and sets MEID Support
5 Indicator to '1' in the SCM (Station Class Mark) field.
- 6 h. End the call.
- 7 i. Initiate a mobile station terminated call.
- 8 j. Verify that the mobile station sends a *Page Response Message* with MEID
9 Support Indicator set to '1' in the SCM (Station Class Mark) field.
- 10 k. End the call.
- 11 l. Instruct base station to send a *Status Request Message* with RECORD_TYPE =
12 '00001000' (Terminal Information) on f-csch.
- 13 m. Verify that the mobile station responds with an *Extended Status Response*
14 *Message* with RECORD_TYPE = '00001000' (Terminal Information), and sets
15 MEID Support Indicator to '1' in the SCM (Station Class Mark) field.

16 2.1.1.5 Minimum Standard

17 The mobile station shall comply with steps c, e, g, j and m.

2.2 MEID Information Record

2.2.1 Mobile Station Test

2.2.1.1 Definition

This test verifies the mobile station response to *Status Request Message* for MEID information record.

2.2.1.2 Traceability

See [5]:

2.1.3 Information Records

See [1]:

2.7.1.3.2.10 Extended Status Response Message

2.7.2.3.2.16 Status Response Message

3.7.2.3.2.15 Status Request Message

3.7.3.3.2.16 Status Request Message

See [6]:

3.4.32 EF_{USGIND} (Removable UIM_ID/SF_EUIMID Usage Indicator)

2.2.1.3 Call Flow Example(s)

None

2.2.1.4 Method of Measurement

- a. Initiate a call.
- b. Instruct base station to send a *Status Request Message* with RECORD_TYPE = '00100111' (MEID) on f-dsch.
- c. Verify that the mobile station responds with a *Status Response Message* with RECORD_TYPE = '00100111' (MEID), and sets MEID_LEN and MEID fields as per the supported configuration in Table 1 and the value of the MEID field is set correctly.

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Table 1 MEID_LEN and MEID fields in Status Response Message

No.	Mobile station support of R-UIM	R-UIM Configuration	Fields of Status Response Message	
			MEID_LEN	MEID
1.	R-UIM not supported	N/A	7	MEID
2.	R-UIM supported as per [6] or [7]	UIMID	7	MEID
3.	R-UIM supported as per [6] or [7]	LF_EUIMID	7	MEID
4.	R-UIM supported as per [6] or [7]	SF_EUIMID with b2 of EF _{USGIND} set to '0'	7	MEID
5.	R-UIM supported as per [6] or [7]	SF_EUIMID with b2 of EF _{USGIND} set to '1'	7	SF_EUIMID
6.	R-UIM supported as per previous revisions of [6]	UIMID	7	MEID
7.	R-UIM supported as per previous revisions of [6]	LF_EUIMID	7	MEID
8.	R-UIM supported as per previous revisions of [6]	SF_EUIMID with b2 of EF _{USGIND} set to '0'	7	MEID
9.	R-UIM supported as per previous revisions of [6]	SF_EUIMID with b2 of EF _{USGIND} set to '1'	7	MEID
10.	R-UIM supported	Not Inserted	7	MEID

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d. End the call.

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e. Instruct base station to send a *Status Request Message* with RECORD_TYPE = '00100111' (MEID) on f-csch.

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- 1 f. Verify that the mobile station responds with an *Extended Status Response*
- 2 *Message* with RECORD_TYPE = '00100111' (MEID), and sets MEID_LEN and
- 3 MEID fields as per the supported configuration in Table 1.

4 2.2.1.5 Minimum Standard

- 5 The mobile station shall comply with steps c and f.

2.3 Pseudo-ESN

2.3.1 Mobile Station Test

2.3.1.1 Definition

This test verifies that the mobile station sets ESN field properly.

2.3.1.2 Traceability

See [5]:

2.1.1 MEID and ESN

See [1]:

2.7.1.3.2.10 Extended Status Response Message

2.7.1.3.2.4 Origination Message

3.7.2.3.2.15 Status Request Message

See [6]:

3.4.32 EF_{USGIND} (Removable UIM_ID/SF_EUIMID Usage Indicator)

2.3.1.3 Call Flow Example(s)

None

2.3.1.4 Method of Measurement

- a. Instruct base station to send *Status Request Message* with RECORD_TYPE = '00001101' (ESN) and '00100111' (MEID) on f-csch.
- b. Record values of ESN and MEID fields included by the mobile station *Extended Status Response Message*. Verify that the mobile station sets ESN and MEID fields as per the supported configuration in Table 2.

Table 2 MEID and ESN fields in *Extended Status Response Message*

No.	Mobile station support of R-UIM	R-UIM Configuration	Fields of <i>Status Response Message</i>	
			MEID	ESN
1.	R-UIM not supported	N/A	MEID	pESN
2.	R-UIM supported as per [6] or [7]	UIMID with b1 of EF _{USGIND} set to '0'	MEID	pESN

3.	R-UIM supported as per [6] or [7]	UIMID with b1 of EF _{USGIND} set to '1'	MEID	UIMID
4.	R-UIM supported as per [6] or [7]	LF_EUIMID with b1 of EF _{USGIND} set to '0'	MEID	pESN
5.	R-UIM supported as per [6] or [7]	LF_EUIMID with b1 of EF _{USGIND} set to '1'	MEID	pUIMID
6.	R-UIM supported as per [6] or [7]	SF_EUIMID with bits b2b1 of EF _{USGIND} set to '00'	MEID	pESN
7.	R-UIM supported as per [6] or [7]	SF_EUIMID with bits b2b1 of EF _{USGIND} set to '01'	MEID	pUIMID
8.	R-UIM supported as per [6] or [7]	SF_EUIMID with bits b2b1 of EF _{USGIND} set to '10'	SF_EUIMID	pESN
9.	R-UIM supported as per [6] or [7]	SF_EUIMID with bits b2b1 of EF _{USGIND} set to '11'	SF_EUIMID	pUIMID
10.	R-UIM supported as per previous revisions of [6]	UIMID with b1 of EF _{USGIND} set to '0'	MEID	pESN
11.	R-UIM supported as per previous revisions of [6]	UIMID with b1 of EF _{USGIND} set to '1'	MEID	UIMID
12.	R-UIM supported as per previous revisions of [6]	LF_EUIMID with b1 of EF _{USGIND} set to '0'	MEID	pESN
13.	R-UIM supported as per previous revisions of [6]	LF_EUIMID with b1 of EF _{USGIND} set to '1'	MEID	UIMID

14.	R-UIM supported as per previous revisions of [6]	SF_EUIMID with bits b2b1 of EF _{USGIND} set to '00'	MEID	pESN
15.	R-UIM supported as per previous revisions of [6]	SF_EUIMID with bits b2b1 of EF _{USGIND} set to '01'	MEID	pUIMID
16.	R-UIM supported as per previous revisions of [6]	SF_EUIMID with bits b2b1 of EF _{USGIND} set to '10'	MEID	pESN
17.	R-UIM supported as per previous revisions of [6]	SF_EUIMID with bits b2b1 of EF _{USGIND} set to '11'	MEID	pUIMID

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- c. If the mobile station returns MEID and pESN in step b, then calculate pseudo ESN value from the MEID field value recorded in step b and verify that calculated value of pseudo ESN matches with ESN field value recorded in step b. If the mobile station returns SF_EUIMID and pUIMID in step b, then calculate pseudo UIMID value from the MEID field value recorded in step b and verify that calculated value of pseudo UIMID matches with ESN field value recorded in step b.
- d. Initiate a mobile station originated call. Ensure that base station sets the PREF_MSID_TYPE = '11' in the overhead message.
- e. Verify the value of ESN field in the *Origination Message* sent by the mobile station is same as value of ESN field recorded in step b.

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2.3.1.5 Minimum Standard

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The mobile station shall comply with steps b, c and e.

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2.4 Public LCM

2.4.1 Mobile Station Test

2.4.1.1 Definition

This test verifies the mobile station support for public LCM types.

2.4.1.2 Traceability

See [5]:

2.1.4 Public Long Code Mask Types

2.1.6 Channel Assignment Processing

2.2.1 Extended Channel Assignment Message

2.2.3 Base Station Assigned PLCM

See [1]:

2.3.6 Public Long Code Mask and Private Long Code Mask

3.7.2.3.2.21 Extended Channel Assignment Message

2.4.1.3 Call Flow Example(s)

None

2.4.1.4 Method of Measurement

- a. Configure base station P_REV to 6.
- b. Set up a call.
- c. During call setup, instruct the base station to send an *MEID Extended Channel Assignment Message* (P_REV_IN_USE equal to 6, 7 or 8) or *Extended Channel Assignment Message* (P_REV_IN_USE greater than or equal to 9) with PLCM_TYPE field set to value corresponding to case 1 in Table 3 below :

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Table 3 Public LCM Conformance Test Cases

Case	PLCM_TYPE (binary)	Description
1.	0000	PLCM derived from ESN This case should be executed for one of the following scenarios: a) R-UIM not supported b) R-UIM supported but not inserted c) R-UIM supported with bit b1 of EF _{USGIND} set to '0'.
2.	0000	PLCM derived from UIMID. This case is applicable when R-UIM is supported. It should be executed with bit b1 of EF _{USGIND} in R-UIM configuration set to '1'.
3.	0001	PLCM specified by the base station
4.	0010	PLCM derived from IMSI_O_S when IMSI_O is derived from IMSI_M
5.	0011	PLCM derived from IMSI_O_S when IMSI_O is derived from IMSI_T
6.	0100	PLCM derived from MEID This case should be executed for one of the following scenarios: a) R-UIM not supported b) R-UIM supported but not inserted c) R-UIM supported with bit b2 of EF _{USGIND} set to '0'
7.	0100	PLCM derived from SF_EUIMID. This case is applicable when R-UIM is supported as per [6] or [7]. It should be executed with bit b2 of EF _{USGIND} in R-UIM configuration set to '1'.

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- 1 d. Verify that mobile station is using the correct public LCM (e.g. user data is
2 exchanged successfully in both directions). Note that for PLCM_TYPE '0000' and
3 '0100' the public LCM is derived from the value the mobile station returns in
4 ESN and MEID fields respectively.
- 5 e. End the call.
- 6 f. Repeat steps b through e with PLCM_TYPE values corresponding to cases 2
7 through 7 in Table 3 as applicable.
- 8 g. If MOB_P_REV is 7 or higher, repeat steps a through f for each base station
9 P_REV between 7 and MOB_P_REV.

10 2.4.1.5 Minimum Standard

11 The mobile station shall comply with step d.

12

2.5 LCM and Service Negotiation, Handoff for Mobile Station supporting Voice Privacy

2.5.1 Mobile Station Test

2.5.1.1 Definition

This test verifies the mobile station support for LCM changes during service negotiation and handoff. This test is applicable only to mobile stations that support voice privacy. Ensure that voice privacy is enabled at mobile station.

2.5.1.2 Traceability

See [5]:

2.1.4 Public Long Code Mask Types

2.1.6 Channel Assignment Processing

2.1.7 Handoff Processing

2.2.1 Extended Channel Assignment Message

2.2.2 Universal Handoff Direction Message

See [1]:

2.3.6 Public Long Code Mask and Private Long Code Mask

2.6.4.1.2.2.5 Waiting for Service Action Time Subfunction

2.6.6.2.5.1 Processing of Forward Traffic Channel Handoff Messages

3.7.2.3.2.21 Extended Channel Assignment Message

3.7.3.3.2.17 Extended Handoff Direction Message

3.7.3.3.2.20 Service Connect Message

3.7.3.3.2.31 General Handoff Direction Message

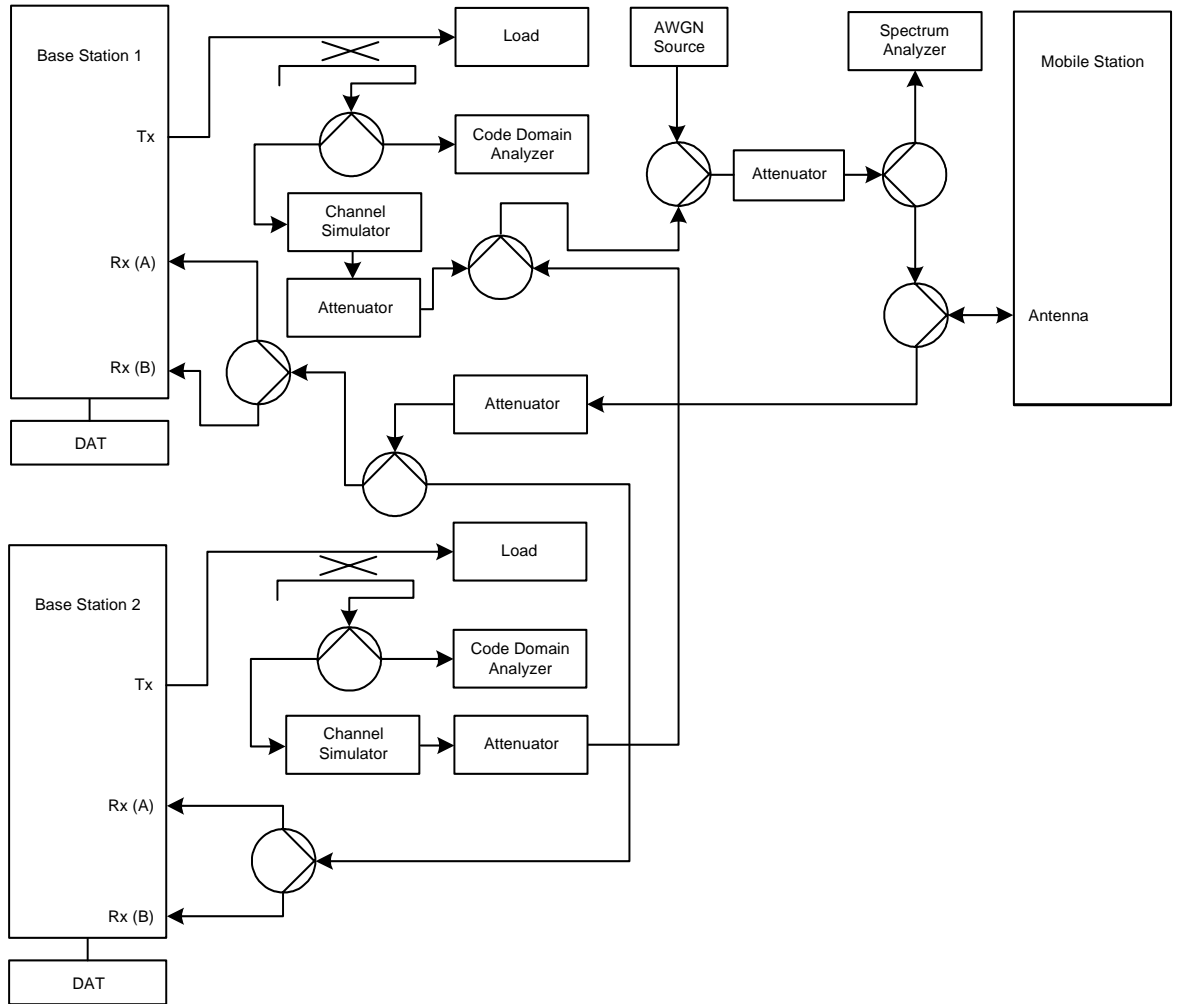
3.7.3.3.2.36 Universal Handoff Direction Message

2.5.1.3 Call Flow Example(s)

None

2.5.1.4 Method of Measurement

- a. Configure base station P_REV to 6. Connect the mobile station and base stations as shown in Figure 2.



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Figure 2 – MEID handoff test setup

- b. Set up a call using any of the public LCM types.
- c. After call setup, instruct the base station to send a message with field values set to case 1 as per Table 4 below. In cases where the mobile station is expected to start using public LCM, select appropriate value of public PLCM_TYPE such that LCM changes as a result of the message. In the Table 4 below, *MEID Universal Handoff Direction Message* (P_REV_IN_USE equal to 6, 7 or 8) or *Universal Handoff Direction Message* (P_REV_IN_USE greater than or equal to 9) is used based on P_REV_IN_USE.

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Table 4 Change of LCM Conformance Test Cases with Voice Privacy Enabled

Case	Message	Field values	Expected Result at action time
1.	<i>Extended Handoff Direction Message</i>	PRIVATE_LCM is not included (HARD_INCLUDED is set to '0')	Mobile station continues use of current LCM (public or private)
2.	<i>Extended Handoff Direction Message</i>	PRIVATE_LCM=1	Mobile station starts using private LCM
3.	<i>Extended Handoff Direction Message</i>	PRIVATE_LCM=0	Mobile station starts using public LCM as per stored PLCM_TYPE _s
4.	<i>General Handoff Direction Message</i>	PRIVATE_LCM is not included (EXTRA_PARMS is set to '0')	Mobile station continues use of current LCM (public or private)
5.	<i>General Handoff Direction Message</i>	PRIVATE_LCM=1	Mobile station starts using private LCM
6.	<i>General Handoff Direction Message</i>	PRIVATE_LCM=0	Mobile station starts using public LCM as per stored PLCM_TYPE _s
7.	<i>MEID Universal Handoff Direction Message or Universal Handoff Direction Message</i>	PRIVATE_LCM is not included (EXTRA_PARMS is set to '0'), PLCM_TYPE_INCL=0	Mobile station continues use of current LCM (public or private)
8.	<i>MEID Universal Handoff Direction Message or Universal Handoff Direction Message</i>	PRIVATE_LCM is not included (EXTRA_PARMS is set to '0'), PLCM_TYPE_INCL=1	Mobile station starts using public LCM as per PLCM_TYPE included in the message
9.	<i>MEID Universal Handoff Direction Message or Universal Handoff Direction Message</i>	PRIVATE_LCM=1, PLCM_TYPE_INCL=0	Mobile station starts using private LCM

Case	Message	Field values	Expected Result at action time
10.	<i>MEID Universal Handoff Direction Message or Universal Handoff Direction Message</i>	PRIVATE_LCM=0, PLCM_TYPE_INCL=1	Mobile station starts using public LCM as per PLCM_TYPE included in the message
11.	<i>MEID Universal Handoff Direction Message or Universal Handoff Direction Message</i>	PRIVATE_LCM=0 & PLCM_TYPE_INCL=0	Mobile station starts using public LCM as per stored PLCM_TYPE _s
12.	<i>MEID Universal Handoff Direction Message or Universal Handoff Direction Message</i>	PRIVATE_LCM=1 & PLCM_TYPE_INCL=1	Mobile station stores received PLCM_TYPE as PLCM_TYPE _s . Mobile station starts using private LCM.
13.	<i>Service Connect Message</i>	USE_TYPE0_PLCM=0	This case is applicable only to P_REV_IN_USE 9 and 10. Mobile station continues use of current LCM (public or private)
14.	<i>Service Connect Message</i>	USE_TYPE0_PLCM=1	This case is applicable only to P_REV_IN_USE 9 and 10. If P_REV_IN_USE is less than 11, mobile station starts using public LCM corresponding to PLCM_TYPE='0000' (ESN-based PLCM) Otherwise, mobile station starts using public LCM as specified in [1].

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d. At action time of the message sent in step c, verify that mobile station uses correct LCM as described in the table in step c (e.g. user data is exchanged successfully in both directions). Note that for PLCM_TYPE '0000' and '0100' the public LCM is derived from the value the mobile station returns in ESN and MEID fields respectively.

e. End the call.

- 1 f. If P_REV_IN_USE is less than 9, repeat steps b through e for cases 2 through 12
2 in Table 4. Otherwise, repeat steps b through e for cases 2 through 14 in Table
3 4.
- 4 g. Repeat steps b through f with following modification: After call setup in step b,
5 the base station sends a *Long Code Transition Request Order* with ORDQ field set
6 to '00000001' (request private) and private LCM is used on the traffic channel.
- 7 h. If MOB_P_REV is 7 or higher, repeat steps a through g for each base station
8 P_REV between 7 and MOB_P_REV.

9 2.5.1.5 Minimum Standard

10 The mobile station shall comply with step d.

11 **2.6 LCM and Service Negotiation, Handoff when Voice**
12 **Privacy is not supported or is disabled at the Mobile**
13 **Station**

14 2.6.1 Mobile Station Test

15 2.6.1.1 Definition

16 This test verifies the mobile station support for LCM changes during service negotiation
17 and handoff. This test case is applicable only when voice privacy is not supported or is
18 disabled at the mobile station.

1 2.6.1.2 Traceability

2 See [5]:

3 *2.1.4 Public Long Code Mask Types*4 *2.1.6 Channel Assignment Processing*5 *2.1.7 Handoff Processing*6 *2.2.1 Extended Channel Assignment Message*7 *2.2.2 Universal Handoff Direction Message*

8 See [1]:

9 *2.3.6 Public Long Code Mask and Private Long Code Mask*10 *2.6.4.1.2.2.5 Waiting for Service Action Time Subfunction*11 *2.6.6.2.5.1 Processing of Forward Traffic Channel Handoff Messages*12 *3.7.2.3.2.21 Extended Channel Assignment Message*13 *3.7.3.3.2.17 Extended Handoff Direction Message*14 *3.7.3.3.2.20 Service Connect Message*15 *3.7.3.3.2.31 General Handoff Direction Message*16 *3.7.3.3.2.36 Universal Handoff Direction Message*

17 2.6.1.3 Call Flow Example(s)

18 None

19 2.6.1.4 Method of Measurement

20 a. Configure base station P_REV to 6. Connect the mobile station and base stations as
21 shown in Figure 2.

22 b. Set up a call using any of the public LCM types.

23 c. After call setup, instruct the base station to send a message with field values set to
24 case 1 as per Table 5 below. In cases where the mobile station is expected to start
25 using public LCM, select appropriate value of public PLCM_TYPE such that LCM
26 changes as a result of the message. In the Table 5 below, *MEID Universal Handoff*
27 *Direction Message* (P_REV_IN_USE equal to 6, 7 or 8) or *Universal Handoff Direction*
28 *Message* (P_REV_IN_USE greater than or equal to 9) is used based on P_REV_IN_USE.

29

1

Table 5 Change of LCM Conformance Test Cases without Voice Privacy

Case	Message	Field values	Expected Result at action time
1.	<i>Extended Handoff Direction Message</i>	PRIVATE_LCM is not included (HARD_INCLUDED is set to '0')	Mobile station continues use of current LCM (public or private)
2.	<i>Extended Handoff Direction Message</i>	PRIVATE_LCM=0	Mobile station starts using public LCM as per stored PLCM_TYPE _s
3.	<i>General Handoff Direction Message</i>	PRIVATE_LCM is not included (EXTRA_PARMS is set to '0')	Mobile station continues use of current LCM (public or private)
4.	<i>General Handoff Direction Message</i>	PRIVATE_LCM=0	Mobile station starts using public LCM as per stored PLCM_TYPE _s
5.	<i>MEID Universal Handoff Direction Message or Universal Handoff Direction Message</i>	PRIVATE_LCM is not included (EXTRA_PARMS is set to '0'), PLCM_TYPE_INCL=0	Mobile station continues use of current LCM (public or private)
6.	<i>MEID Universal Handoff Direction Message or Universal Handoff Direction Message</i>	PRIVATE_LCM is not included (EXTRA_PARMS is set to '0'), PLCM_TYPE_INCL=1	Mobile station starts using public LCM as per PLCM_TYPE included in the message
7.	<i>MEID Universal Handoff Direction Message or Universal Handoff Direction Message</i>	PRIVATE_LCM=0, PLCM_TYPE_INCL=1	Mobile station starts using public LCM as per PLCM_TYPE included in the message
8.	<i>MEID Universal Handoff Direction Message or Universal Handoff Direction Message</i>	PRIVATE_LCM=0 & PLCM_TYPE_INCL=0	Mobile station starts using public LCM as per stored PLCM_TYPE _s

Case	Message	Field values	Expected Result at action time
9.	<i>Service Connect Message</i>	USE_TYPE0 _PLCM=0	This case is applicable only to P_REV_IN_USE 9 and 10. Mobile station continues use of current LCM (public or private)
10.	<i>Service Connect Message</i>	USE_TYPE0 _PLCM=1	This case is applicable only to P_REV_IN_USE 9 and 10. If P_REV_IN_USE is less than 11, mobile station starts using public LCM corresponding to PLCM_TYPE='0000' (ESN-based PLCM) Otherwise, mobile station starts using public LCM as specified in [1].

1

2

d. At action time of the message sent in step c, verify that mobile station uses correct LCM as described in the table in step c (e.g. user data is exchanged successfully in both directions).

3

4

e. End the call.

5

6

f. If P_REV_IN_USE is less than 9, repeat steps b through e for cases 2 through 8 in Table 5. Otherwise, repeat steps b through e for cases 2 through 10 in Table 5.

7

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g. Repeat steps b through f with following modification: After call setup in step b, the base station sends a *Long Code Transition Request Order* with ORDQ field set to '00000001' (request private) and private LCM is used on the traffic channel.

10

11

h. If MOB_P_REV is 7 or higher, repeat steps a through g for each base station P_REV between 7 and MOB_P_REV.

12

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2.6.1.5 Minimum Standard

14

The mobile station shall comply with step d.

15

2.7 Over-the-Air Service Provisioning (OTASP) Test

2.7.1 Mobile Station Test

2.7.1.1 Definition

This test verifies that the mobile station includes MEID information in the *Extended Protocol Capability Response Message*.

2.7.1.2 Traceability

See [5]:

2.1.8 Over-the-Air Service Provisioning

See [2] or [3]:

2.7.2.3.2.16 Status Response Message

3.7.3.3.2.16 Status Request Message

3.3.1 OTASP Data Message Processing

3.5.1.17 Extended Protocol Capability Response Message

3.5.1.17.1 Capability Information Record

4.3.1 OTA Data Message Processing

4.5.1.7 Protocol Capability Request Message

See [6]:

3.4.32 EF_{USGIND} (Removable UIM_ID/SF_EUIMID Usage Indicator)

2.7.1.3 Call Flow Example(s)

None

2.7.1.4 Method of Measurement

- a. Set up a mobile originated OTASP call.
- b. Upon call setup, instruct the base station to send a *Protocol Capability Request Message* with the following Capability Record Type:

CAP_RECORD_TYPE	BLOCK_ID
MEID	'00000010'

- c. Verify the mobile station sends an *Extended Protocol Capability Response Message* within 750ms. Also verify that the message contains the MEID capability information record with value set as per the supported configuration

1 in Table 6.

2 **Table 6 MEID Capability Information Record in Protocol Capability Request Message**

No.	Mobile station support of R-UIM	R-UIM Configuration	Value in MEID Capability Information Record of Protocol Capability Request Message
1.	R-UIM not supported	N/A	MEID
2.	R-UIM supported as per [6] or [7] ²	UIMID	MEID
3.	R-UIM supported as per [6] or [7]	LF_EUIMID	MEID
4.	R-UIM supported as per [6] or [7]	SF_EUIMID with b2 of EF _{USGIND} set to '0'	MEID
5.	R-UIM supported as per [6] or [7]	SF_EUIMID with b2 of EF _{USGIND} set to '1'	SF_EUIMID
6.	R-UIM supported as per previous revisions of [6] ²	UIMID	MEID
7.	R-UIM supported as per previous revisions of [6]	LF_EUIMID	MEID
8.	R-UIM supported as per previous revisions of [6]	SF_EUIMID with b2 of EF _{USGIND} set to '0'	MEID
9.	R-UIM supported as per previous revisions of [6]	SF_EUIMID with b2 of EF _{USGIND} set to '1'	MEID

² This situation will not occur in current networks because the network examines the ESN field prefix and only queries for MEID if it is 0x80, which it will not be for a UIMID.

- 1 2.7.1.5 Minimum Standard
- 2 The mobile station shall comply with step c.

2.8 Reject Scenarios

2.8.1 Mobile Station Test

2.8.1.1 Definition

This test verifies different reject scenarios.

2.8.1.2 Traceability

See [5]:

2.1.4 Public Long Code Mask Types

2.1.5 Reject Order

2.1.6 Channel Assignment Processing

2.1.7 Handoff Processing

2.2.1 Extended Channel Assignment Message

2.2.2 Universal Handoff Direction Message

See [1]:

2.3.6 Public Long Code Mask and Private Long Code Mask

2.6.4.1.2.2.5 Waiting for Service Action Time Subfunction

2.6.6.2.5.1 Processing of Forward Traffic Channel Handoff Messages

2.7.3 Orders

3.7.2.3.2.21 Extended Channel Assignment Message

3.7.3.3.2.36 Universal Handoff Direction Message

2.8.1.3 Call Flow Example(s)

None

2.8.1.4 Method of Measurement

This test case is applicable to MOB_P_REV 6 or above

- a. Configure base station P_REV to 6. Instruct the base station to set IMSI_T_SUPPORTED to '1' in overhead messages.
- b. Configure the mobile station with IMSI_M only (i.e. IMSI_T is not configured).
- c. Set up a call.
- d. During call setup, instruct the base station to send an *MEID Extended Channel Assignment Message* with PLCM_TYPE field set as follows: If mobile station IMSI_O is set to IMSI_T, then set PLCM_TYPE to '0010'; otherwise, set PLCM_TYPE to '0011'.
- e. Verify that mobile station sends *Mobile Station Reject Order* with ORDQ set to

- 1 '00011100' (PLCM_TYPE mismatch).
- 2 f. Release the call.
- 3 g. Repeat steps b through f with following modification: In step b configure the mobile
- 4 station with IMSI_T.
- 5 h. Set up a call.
- 6 i. During call setup, instruct the base station to send an *MEID Extended Channel*
- 7 *Assignment Message* with ASSIGN_MODE set to '000'.
- 8 j. Verify that mobile station sends *Mobile Station Reject Order*.
- 9 k. Release the call.

10 2.8.1.5 Minimum Standard

11 The mobile station shall comply with steps e and j.

2.9 HRPD – MEID HardwareID

2.9.1 Access Terminal Test

2.9.1.1 Definition

This test verifies that the access terminal sends Hardware ID in a *HardwareIDResponse* Message in response to a *HardwareIDRequest* Message from the access network. This test is only valid for MEID access terminals that support HRPD (High Rate Packet Data). Note in HRPD, HardwareID is not configured in the R-UIM. Hence, when a *HardwareIDRequest* message is received at the access terminal, it responds with HardwareID assigned to the access terminal.

2.9.1.2 Traceability

See [5]:

2.1.1 MEID and ESN

See [8]:

5.3.7.1.3 Processing HardwareIDRequest message

5.3.7.2.4 HardwareIDRequest.

5.3.7.2.5 HardwareIDResponse

See [9]:

7.3.7.1.3 Processing HardwareIDRequest message

7.3.7.2.4 HardwareIDRequest

7.3.7.2.5 HardwareIDResponse

2.9.1.3 Call Flow Example(s)

None

2.9.1.4 Method of Measurement

- a. Connect access terminal to HRPD system.
- b. Instruct access network to send a *HardwareIDRequest* Message on the control channel.
- c. Verify the access terminal responds with a *HardwareIDResponse* Message on the access channel with Hardware ID Type = 0x00ffff and HardwareID equal to the unique ID (specified by HardwareIDType) that has been assigned to the terminal by the manufacturer.
- d. Instruct access network to send a *HardwareIDRequest* Message on the forward traffic channel.
- e. Verify the access terminal responds with a *HardwareIDResponse* Message on the reverse traffic channel with Hardware ID Type = 0x00ffff and HardwareID equal to the

- 1 unique ID (specified by HardwareIDType) that has been assigned to the terminal by the
- 2 manufacturer.

- 3 2.9.1.5 Minimum Standard
- 4 The mobile station shall comply with steps c and e.

3 Interoperability Tests

3.1 MEID Support Indicator

3.1.1 Definition

This test verifies that the mobile station sets MEID support indicator properly.

3.1.2 Traceability

See [5]:

2.1.2 Setting of the Station Class Mark field

See [1]:

2.7.1.3.2.1 Registration Message

2.7.1.3.2.4 Origination Message

2.7.1.3.2.5 Page Response Message

2.7.1.3.2.10 Extended Status Response Message

2.7.2.3.2.16 Status Response Message

2.7.4.7 Terminal Information

3.7.2.3.2.15 Status Request Message

3.7.3.3.2.16 Status Request Message

3.1.3 Call Flow Example(s)

None

3.1.4 Method of Measurement

- a. Instruct the base station to set POWER_UP_REG = 1 in the *System Parameters Message* or *ANSI – 41 System Parameters Message*.
- b. Power on the mobile station.
- c. Verify the mobile station sends a *Registration Message* with MEID Support Indicator set to '1' in the SCM (Station Class Mark) field.
- d. Initiate a mobile station originated call.
- e. Verify that the mobile station sends an *Origination Message* with MEID Support Indicator set to '1' in the SCM (Station Class Mark) field.
- f. Instruct the base station to send a *Status Request Message* with RECORD_TYPE = '00001000' (Terminal Information) on f-dsch.

- 1 g. Verify that the mobile station responds with a *Status Response Message* with
2 RECORD_TYPE = '00001000' (Terminal Information), and sets MEID Support
3 Indicator to '1' in the SCM (Station Class Mark) field.
- 4 h. End the call.
- 5 i. Initiate a mobile station terminated call.
- 6 j. Verify that the mobile station sends a *Page Response Message* with MEID
7 Support Indicator set to '1' in the SCM (Station Class Mark) field.
- 8 k. End the call.
- 9 l. Instruct the base station to send a *Status Request Message* with RECORD_TYPE
10 = '00001000' (Terminal Information) on f-csch.
- 11 m. Verify that the mobile station responds with an *Extended Status Response*
12 *Message* with RECORD_TYPE = '00001000' (Terminal Information), and sets
13 MEID Support Indicator to '1' in the SCM (Station Class Mark) field.

14 3.1.5 Minimum Standard

15 The mobile station shall comply with steps c, e, g, j and m.

3.2 MEID Information Record

3.2.1 Definition

This test verifies the mobile station and base station support for *Status Request Message* with MEID information record.

3.2.2 Traceability

See [5]:

2.1.3 Information Records

See [1]:

2.7.1.3.2.10 Extended Status Response Message

2.7.2.3.2.16 Status Response Message

3.7.2.3.2.15 Status Request Message

3.7.3.3.2.16 Status Request Message

See [6]:

3.4.32 EF_{USGIND} (Removable UIM_ID/SF_EUIMID Usage Indicator)

3.2.3 Call Flow Example(s)

None

3.2.4 Method of Measurement

- a. Initiate a call.
- b. Instruct the base station to send a *Status Request Message* with RECORD_TYPE = '00100111' (MEID) on f-dsch.
- c. Verify that the mobile station responds with a *Status Response Message* with RECORD_TYPE = '00100111' (MEID), and sets MEID_LEN and MEID fields as per the supported configuration in Table 1.
- d. End the call.
- e. Instruct the base station to send a *Status Request Message* with RECORD_TYPE = '00100111' (MEID) on f-csch.
- f. Verify that the mobile station responds with an *Extended Status Response Message* with RECORD_TYPE = '00100111' (MEID), and sets MEID_LEN and MEID fields as per the supported configuration in Table 1.

- 1 3.2.5 Minimum Standard
- 2 The mobile station shall comply with steps c and f.
- 3

3.3 Pseudo-ESN

3.3.1 Definition

This test verifies that the mobile station sets ESN field properly.

3.3.2 Traceability

See [5]:

2.1.1 MEID and ESN

See [1]:

2.7.1.3.2.10 Extended Status Response Message

2.7.1.3.2.4 Origination Message

3.7.2.3.2.15 Status Request Message

See [6]:

3.4.32 EF_{USGIND} (Removable UIM_ID/SF_EUIMID Usage Indicator)

3.3.3 Call Flow Example(s)

None

3.3.4 Method of Measurement

- a. Instruct the base station to send *Status Request Message* with RECORD_TYPE = '00001101' (ESN) and '00100111' (MEID) on f-csch.
- b. Record values of ESN and MEID fields included by the mobile station *Extended Status Response Message*. Verify that the mobile station sets ESN and MEID fields as per the supported configuration in Table 2.
- c. If the mobile station returns MEID and pESN in step b, then calculate pseudo ESN value from the MEID field value recorded in step b and verify that calculated value of pseudo ESN matches with ESN field value recorded in step b. If the mobile station returns SF_EUIMID and pUIMID in step b, then calculate pseudo UIMID value from the MEID field value recorded in step b and verify that calculated value of pseudo UIMID matches with ESN field value recorded in step b.
- d. Initiate a mobile station originated call. Initiate a mobile station originated call. Ensure that base station sets the PREF_MSID_TYPE = '11' in the overhead message.
- e. Verify the value of ESN field in the *Origination Message* sent by the mobile station is same as value of ESN field recorded in step b.

- 1 3.3.5 Minimum Standard
- 2 The mobile station shall comply with steps b, c and e.

3.4 Public LCM

3.4.1 Definition

This test verifies mobile station and base station support for public LCM types.

3.4.2 Traceability

See [5]:

2.1.4 Public Long Code Mask Types

2.1.6 Channel Assignment Processing

2.2.1 Extended Channel Assignment Message

2.2.3 Base Station Assigned PLCM

See [1]:

2.3.6 Public Long Code Mask and Private Long Code Mask

3.7.2.3.2.21 Extended Channel Assignment Message

3.4.3 Call Flow Example(s)

None

3.4.4 Method of Measurement

- a. Set up a call.
- b. During call setup, instruct the base station to send an *MEID Extended Channel Assignment Message* (P_REV_IN_USE equal to 6, 7 or 8) or *Extended Channel Assignment Message* (P_REV_IN_USE greater than or equal to 9) with PLCM_TYPE field set to a value corresponding to a case supported by the base station in Table 7 below:

Table 7 Public LCM Interoperability Test Cases

Case	PLCM_TYPE (binary)	Description
1.	0000	PLCM derived from ESN
2.	0001	PLCM specified by the base station
3.	0010	PLCM derived from IMSI_O_S when IMSI_O is derived from IMSI_M
4.	0011	PLCM derived from IMSI_O_S when IMSI_O is derived from IMSI_T

Case	PLCM_TYPE (binary)	Description
5.	0100	PLCM derived from MEID

1

2

c. Verify that mobile station and base station are using the correct public LCM (e.g. user data is exchanged successfully in both directions). Note that for PLCM_TYPE '0000' and '0100' the public LCM is derived from the value the mobile station returns in ESN and MEID fields respectively.

3

4

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6

d. End the call.

7

8

e. Repeat steps b through e with PLCM_TYPE values corresponding to all the remaining cases in Table 7 that are supported by the base station.

9

f. Repeat steps a through e for each P_REV supported by base station.

10

3.4.5 Minimum Standard

11

The mobile station shall comply with step c.

12

The base station shall comply with step c.

3.5 LCM and Service Negotiation, Handoff when Voice Privacy is supported and enabled

3.5.1 Definition

This test verifies the mobile station and base station support for LCM changes during service negotiation and handoff. This test is applicable when voice privacy is supported and enabled.

3.5.2 Traceability

See [5]:

2.1.4 Public Long Code Mask Types

2.1.6 Channel Assignment Processing

2.1.7 Handoff Processing

2.2.1 Extended Channel Assignment Message

2.2.2 Universal Handoff Direction Message

See [1]:

2.3.6 Public Long Code Mask and Private Long Code Mask

2.6.4.1.2.2.5 Waiting for Service Action Time Subfunction

2.6.6.2.5.1 Processing of Forward Traffic Channel Handoff Messages

3.7.2.3.2.21 Extended Channel Assignment Message

3.7.3.3.2.17 Extended Handoff Direction Message

3.7.3.3.2.20 Service Connect Message

3.7.3.3.2.31 General Handoff Direction Message

3.7.3.3.2.36 Universal Handoff Direction Message

3.5.3 Call Flow Example(s)

None

3.5.4 Method of Measurement

- a. Connect the mobile station and base stations as shown in Figure 2. Instruct the base station to use public LCM during a call setup.
- b. Set up a call. After call setup, instruct the base station to send a message with field values set to first case supported by the base station in the Table 8 below. In cases where the mobile station is expected to start using public LCM, if possible configure appropriate value of public PLCM_TYPE such that LCM changes as a result of the message. Verify that the base station uses appropriate message type listed in the Table 8 below: *MEID Universal Handoff Direction Message* if P_REV_IN_USE is equal to 6, 7 or

8; or *Universal Handoff Direction Message* if P_REV_IN_USE is greater than or equal to
9.

Table 8 Change of LCM Interoperability Test Cases

Case	Message	Field values	Expected Result at action time
1.	<i>Extended Handoff Direction Message</i>	PRIVATE_LCM is not included (HARD_INCLUDED is set to '0')	Mobile station continues use of current LCM (public or private)
2.	<i>Extended Handoff Direction Message</i>	PRIVATE_LCM=1	Mobile station starts using private LCM
3.	<i>General Handoff Direction Message</i>	PRIVATE_LCM is not included (EXTRA_PARMS is set to '0')	Mobile station continues use of current LCM (public or private)
4.	<i>General Handoff Direction Message</i>	PRIVATE_LCM=1	Mobile station starts using private LCM
5.	<i>MEID Universal Handoff Direction Message or Universal Handoff Direction Message</i>	PRIVATE_LCM is not included (EXTRA_PARMS is set to '0'), PLCM_TYPE_INCL=0	Mobile station continues use of current LCM (public or private)
6.	<i>MEID Universal Handoff Direction Message or Universal Handoff Direction Message</i>	PRIVATE_LCM is not included (EXTRA_PARMS is set to '0'), PLCM_TYPE_INCL=1	Mobile station starts using public LCM as per PLCM_TYPE included in the message
7.	<i>MEID Universal Handoff Direction Message or Universal Handoff Direction Message</i>	PRIVATE_LCM=1, PLCM_TYPE_INCL=0	Mobile station starts using private LCM

Case	Message	Field values	Expected Result at action time
8.	<i>MEID Universal Handoff Direction Message or Universal Handoff Direction Message</i>	PRIVATE_LCM=1 & PLCM_TYPE_INCL=1	Mobile station stores received PLCM_TYPE as PLCM_TYPE _S . Mobile station starts using private LCM.
9.	<i>Service Connect Message</i>	USE_TYPE0 _PLCM=1	This case is applicable only to P_REV_IN_USE 9 and 10. If P_REV_IN_USE is less than 11, mobile station starts using public LCM corresponding to PLCM_TYPE='0000' (ESN-based PLCM) Otherwise, mobile station starts using public LCM as specified in [1].

1

- 2 c. At action time of the message sent in step b, verify that the mobile station and
3 the base station use correct LCM as described in the table in step b (e.g. user
4 data is exchanged successfully in both directions). Note that for PLCM_TYPE
5 '0000' and '0100' the public LCM is derived from the value the mobile station
6 returns in ESN and MEID fields respectively.
- 7 d. End the call.
- 8 e. Repeat steps b through d for test cases in Table 8 supported by the base station
9 and applicable for the P_REV_IN_USE.
- 10 f. Repeat steps b through e with following modification: After call setup in step b,
11 Instruct the base station to send a *Long Code Transition Request Order* with
12 ORDQ field set to '00000001' (request private) and ensure private LCM is used
13 on the traffic channel
- 14 g. Repeat steps b through f for each P_REV supported by base station.

15

3.5.5 Minimum Standard

16

The mobile station shall comply with step c.

17

The base station shall comply with steps b and c.

18

19

3.6 LCM and Service Negotiation, Handoff when Voice Privacy is not supported or is disabled

3.6.1 Definition

This test verifies the mobile station and base station support for LCM changes during service negotiation and handoff. This test case is applicable when voice privacy is not supported or is disabled.

3.6.2 Traceability

See [5]:

2.1.4 Public Long Code Mask Types

2.1.6 Channel Assignment Processing

2.1.7 Handoff Processing

2.2.1 Extended Channel Assignment Message

2.2.2 Universal Handoff Direction Message

See [1]:

2.3.6 Public Long Code Mask and Private Long Code Mask

2.6.4.1.2.2.5 Waiting for Service Action Time Subfunction

2.6.6.2.5.1 Processing of Forward Traffic Channel Handoff Messages

3.7.2.3.2.21 Extended Channel Assignment Message

3.7.3.3.2.17 Extended Handoff Direction Message

3.7.3.3.2.20 Service Connect Message

3.7.3.3.2.31 General Handoff Direction Message

3.7.3.3.2.36 Universal Handoff Direction Message

3.6.3 Call Flow Example(s)

None

3.6.4 Method of Measurement

- a. Connect the mobile station and base stations as shown in Figure 2. Instruct the base station to use public LCM during a call setup.
- b. Set up a call. After call setup, instruct the base station to send a message with field values set to first case supported by the base station in the Table 5. In cases where the mobile station is expected to start using public LCM, if possible configure appropriate value of public PLCM_TYPE such that LCM changes as a result of the message. Verify that the base station uses appropriate message type listed in the Table 5: *MEID Universal Handoff Direction Message* if P_REV_IN_USE is equal to 6, 7 or 8; or *Universal Handoff Direction Message* if P_REV_IN_USE is greater than or equal to 9.

- 1 c. At action time of the message sent in step b, verify that the mobile station and the
2 base station use correct LCM as described in the Table 5 in step b (e.g. user data is
3 exchanged successfully in both directions). Note that for PLCM_TYPE '0000' and '0100'
4 the public LCM is derived from the value the mobile station returns in ESN and MEID
5 fields respectively.
- 6 d. End the call.
- 7 e. Repeat steps b through d for test cases in Table 5 supported by the base station and
8 applicable for the P_REV_IN_USE.
- 9 f. Repeat steps b through e for each P_REV supported by base station.

10 3.6.5 Minimum Standard

11 The mobile station shall comply with step c.

12 The base station shall comply with steps b and c.

3.7 Over-the-Air Service Provisioning (OTASP) Test

3.7.1 Definition

This test verifies that the mobile station and base station can exchange MEID information in the *Extended Protocol Capability Response Message*.

3.7.2 Traceability

See [5]:

2.1.8 Over-the-Air Service Provisioning

See [2] or [3]:

2.7.2.3.2.16 Status Response Message

3.7.3.3.2.16 Status Request Message

3.3.1 OTASP Data Message Processing

3.5.1.17 Extended Protocol Capability Response Message

3.5.1.17.1 Capability Information Record

4.3.1 OTA Data Message Processing

4.5.1.7 Protocol Capability Request Message

See [6]:

3.4.32 EF_{USGIND} (Removable UIM_ID/SF_EUIMID Usage Indicator)

3.7.3 Call Flow Example(s)

None

3.7.4 Method of Measurement

- a. Set up a mobile originated OTASP call.
- b. Upon call setup, instruct the base station to send a *Protocol Capability Request Message* with the following Capability Record Type:

CAP_RECORD_TYPE	BLOCK_ID
MEID	'00000010'

- c. Verify that the base station sends the *Protocol Capability Request Message* with CAP_RECORD_TYPE field set to '00000010'.
- d. Verify the mobile station sends an *Extended Protocol Capability Response*

1 *Message* within 750ms. Also verify that the message contains the MEID
2 capability information record with value set as per the supported configuration
3 in Table 6.

4 3.7.5 Minimum Standard

5 The mobile station shall comply with step d.

6 The base station shall comply with step c.

3.8 HRPD – MEID HardwareID

3.8.1 Access Terminal Test

3.8.1.1 Definition

This test verifies that the access terminal sends Hardware ID in a *HardwareIDResponse* Message in response to a *HardwareIDRequest* Message from the access network. This test is only valid for MEID access terminals that support HRPD (High Rate Packet Data). Note in HRPD, HardwareID is not configured in the R-UIM. Hence, when a *HardwareIDRequest* message is received at the access terminal, it responds with HardwareID assigned to the access terminal.

3.8.1.2 Traceability

See [5]:

2.1.1 MEID and ESN

See [8]:

5.3.7.1.3 Processing HardwareIDRequest message

5.3.7.2.4 HardwareIDRequest.

5.3.7.2.5 HardwareIDResponse

See [9]:

7.3.7.1.3 Processing HardwareIDRequest message

7.3.7.2.4 HardwareIDRequest

7.3.7.2.5 HardwareIDResponse

3.8.1.3 Call Flow Example(s)

None

3.8.1.4 Method of Measurement

- a. Connect access terminal to HRPD system.
- b. Instruct access network to send a *HardwareIDRequest* Message on the control channel.
- c. Verify the access terminal responds with a *HardwareIDResponse* Message on the access channel with Hardware ID Type = 0x00ffff and HardwareID equal to the unique ID (specified by HardwareIDType) that has been assigned to the terminal by the manufacturer.
- d. Instruct access network to send a *HardwareIDRequest* Message on the forward traffic channel.
- e. Verify the access terminal responds with a *HardwareIDResponse* Message on the reverse traffic channel with Hardware ID Type = 0x00ffff and HardwareID equal to the unique ID (specified by HardwareIDType) that has been assigned to the terminal by the

1 manufacturer.

2 3.8.1.5 Minimum Standard

3 The mobile station shall comply with steps c and e.

4

- 1 No text.