

**Test Plan**

Plan Name: LTE\_Device-UICC-ISIM\_Interaction\_TestPlan

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## o.1 Revision History VZ\_TC\_USIMISIMINT\_1394257485735030

Sr. No	Details	Release Date
1	Initial Release	
2	<p>Corrected Refresh Command on Test Case 4.79 and clarified Refresh Enforcement is not used on this test case.</p> <p>Added Test Case 4.80, using Refresh Command with Refresh Enforcement bit set.</p> <p>Modified Test Case 4.78 to account for possible race condition for IMSI based Registration</p>	October 2021
3	Updated test cases 4.78, 4.79, and 4.80	June 2022



## 2.1 Reaction of a Terminal receiving no ATR VZ\_TC\_USIMISIMINT\_6109

The device shall be compliant to ETSI TS Rel 8 102 230; Physical, electrical and logical test specification, UICC-Terminal interface. The below mentioned test cases shall be executed and are mandatory for the device compliance to UICC.

Reaction of a Terminal receiving no ATR

Test Case	VZW_LTE_UICC_	Test Case Section
2.1	1	5.1.5.6

2.2 Electrical tests on contact C<sub>1</sub>, Test 1 VZ\_TC\_USIMISIMINT\_6110

The device shall be compliant to ETSI TS Rel 8 102 230; Physical, electrical and logical test specification, UICC-Terminal interface. The below mentioned test cases shall be executed and are mandatory for the device compliance to UICC.

Electrical tests on contact C<sub>1</sub>, Test 1

Test Case	VZW_LTE_UICC_	Test Case Section
2.2	2	5.2.2.1

## 2.3 Electrical tests on contact C<sub>1</sub>, Test 2 VZ\_TC\_USIMISIMINT\_6111

The device shall be compliant to ETSI TS Rel 8 102 230; Physical, electrical and logical test specification, UICC-Terminal interface. The below mentioned test cases shall be executed and are mandatory for the device compliance to UICC.

Electrical tests on contact C<sub>1</sub>, Test 2

Test Case	VZW_LTE_UICC_	Test Case Section
2.3	3	5.2.2.2

## 2.4 Electrical tests on contact C2 VZ\_TC\_USIMISIMINT\_6112

The device shall be compliant to ETSI TS Rel 8 102 230; Physical, electrical and logical test specification, UICC-Terminal interface. The below mentioned test cases shall be executed and are mandatory for the device compliance to UICC.

Electrical tests on contact C2

Test Case	VZW_LTE_UICC_	Test Case Section
2.4	4	5.2.3

## 2.5 Electrical tests on contact C<sub>3</sub> VZ\_TC\_USIMISIMINT\_6113

The device shall be compliant to ETSI TS Rel 8 102 230; Physical, electrical and logical test specification, UICC-Terminal interface. The below mentioned test cases shall be executed and are mandatory for the device compliance to UICC.

Electrical tests on contact C<sub>3</sub>

Test Case	VZW_LTE_UICC_	Test Case Section
2.5	5	5.2.4

## 2.6 Electrical tests on contact C7 VZ\_TC\_USIMISIMINT\_6114

The device shall be compliant to ETSI TS Rel 8 102 230; Physical, electrical and logical test specification, UICC-Terminal interface. The below mentioned test cases shall be executed and are mandatory for the device compliance to UICC.

Electrical tests on contact C7

Test Case	VZW_LTE_UICC_	Test Case Section
2.6	6	5.2.5

## 2.7 Clock stop 1,8V VZ\_TC\_USIMISIMINT\_6115

The device shall be compliant to ETSI TS Rel 8 102 230; Physical, electrical and logical test specification, UICC-Terminal interface. The below mentioned test cases shall be executed and are mandatory for the device compliance to UICC.

Clock stop mode with 1,8V technology UICC

Test Case	VZW_LTE_UICC_	Test Case Section
2.7	7	6.2



## 2.8 Clock stop 3V VZ\_TC\_USIMISIMINT\_6116

The device shall be compliant to ETSI TS Rel 8 102 230; Physical, electrical and logical test specification, UICC-Terminal interface. The below mentioned test cases shall be executed and are mandatory for the device compliance to UICC.

Clock stop mode with 3V technology UICC

Test Case	VZW_LTE_UICC_	Test Case Section
2.8	8	6.3

## 2.9 Speed Enhancement VZ\_TC\_USIMISIMINT\_6117

The device shall be compliant to ETSI TS Rel 8 102 230; Physical, electrical and logical test specification, UICC-Terminal interface. The below mentioned test cases shall be executed and are mandatory for the device compliance to UICC.

Speed Enhancement

Test Case	VZW_LTE_UICC_	Test Case Section
2.9	9	6.5

## 2.10 Bit-character duration - Terminal to the UICC VZ\_TC\_USIMISIMINT\_6118

The device shall be compliant to ETSI TS Rel 8 102 230; Physical, electrical and logical test specification, UICC-Terminal interface. The below mentioned test cases shall be executed and are mandatory for the device compliance to UICC.

Bit/character duration during the transmission from the Terminal to the UICC

Test Case	VZW_LTE_UICC_	Test Case Section
2.10	10	7.1.1

## 2.1.1 Bit-character duration - UICC to Terminal VZ\_TC\_USIMISIMINT\_6119

The device shall be compliant to ETSI TS Rel 8 102 230; Physical, electrical and logical test specification, UICC-Terminal interface. The below mentioned test cases shall be executed and are mandatory for the device compliance to UICC.

Bit/character duration during the transmission from the UICC to the Terminal

Test Case	VZW_LTE_UICC_	Test Case Section
2.1.1	1.1	7.1.2

2.1.2 Timing **vz\_TC\_USIMISIMINT\_6120**

The device shall be compliant to ETSI TS Rel 8 102 230; Physical, electrical and logical test specification, UICC-Terminal interface. The below mentioned test cases shall be executed and are mandatory for the device compliance to UICC.

Timing

Test Case	VZW_LTE_UICC_	Test Case Section
2.1.2	1.2	7.2.1

2.13 Command processing, ACK, NACK, NULL VZ\_TC\_USIMISIMINT\_6121

The device shall be compliant to ETSI TS Rel 8 102 230; Physical, electrical and logical test specification, UICC-Terminal interface. The below mentioned test cases shall be executed and are mandatory for the device compliance to UICC.

Command processing, ACK, NACK, NULL procedure bytes

Test Case	VZW_LTE_UICC_	Test Case Section
2.13	13	7.2.2

## 2.14 Case 2 command **vz\_TC\_USIMISIMINT\_6122**

The device shall be compliant to ETSI TS Rel 8 102 230; Physical, electrical and logical test specification, UICC-Terminal interface. The below mentioned test cases shall be executed and are mandatory for the device compliance to UICC.

Case 2 command, use of procedure bytes '61xx' and '6Cxx'

Test Case	VZW_LTE_UICC_	Test Case Section
2.14	14	7.2.3



## 2.15 Case 4 command - 61xx vz\_TC\_USIMISIMINT\_6123

The device shall be compliant to ETSI TS Rel 8 102 230; Physical, electrical and logical test specification, UICC-Terminal interface. The below mentioned test cases shall be executed and are mandatory for the device compliance to UICC.

Case 4 command, use of procedure bytes '61xx'

Test Case	VZW_LTE_UICC_	Test Case Section
2.15	15	7.2.4

## 2.16 Command processing, warning and error status VZ\_TC\_USIMISIMINT\_6124

The device shall be compliant to ETSI TS Rel 8 102 230; Physical, electrical and logical test specification, UICC-Terminal interface. The below mentioned test cases shall be executed and are mandatory for the device compliance to UICC.

Command processing, warning and error status bytes

Test Case	VZW_LTE_UICC_	Test Case Section
2.16	16	7.2.5

2.17 Error correction VZ\_TC\_USIMISIMINT\_6125

The device shall be compliant to ETSI TS Rel 8 102 230; Physical, electrical and logical test specification, UICC-Terminal interface. The below mentioned test cases shall be executed and are mandatory for the device compliance to UICC.

Error correction

Test Case	VZW_LTE_UICC_	Test Case Section
2.17	17	7.2.6

## 2.18 Error detection VZ\_TC\_USIMISIMINT\_6127

The device shall be compliant to ETSI TS Rel 8 102 230; Physical, electrical and logical test specification, UICC-Terminal interface. The below mentioned test cases shall be executed and are mandatory for the device compliance to UICC.

Error detection

Test Case	VZW_LTE_UICC_	Test Case Section
2.18	18	7.2.7

## 2.19 Command processing, multiple NULL VZ\_TC\_USIMISIMINT\_6091

The device shall be compliant to ETSI TS Rel 8 102 230; Physical, electrical and logical test specification, UICC-Terminal interface. The below mentioned test cases shall be executed and are mandatory for the device compliance to UICC.

Command processing, multiple NULL procedure bytes

Test Case	VZW_LTE_UICC_
2.20	20

Definition and applicability

Procedure bytes are used to keep up the communication between the terminal and the UICC. They shall not be transmitted to the Application Layer.

The status bytes SW1 SW2 form an end sequence indicating the status of the UICC at the end of a command.

For applicability of this test case, see TS 102 230, clause 3.8.

### 2.19.2 Conformance requirement

The Terminal shall correctly use the different modes of data transmission.

#### 2.19.2.1 Reference

TS 102 221, clause 7.2.2.3.

ISO/IEC 7816-3, clause 8.3.

#### 2.19.3 Test purpose

To verify that the Terminal correctly uses the different modes of data transmission.

Design Steps
Step Name
Step 1
Pre-Conditions

The Terminal shall be connected to the UICC simulator, and powered on.

T=0 ATR shall have been received and eventual PPS procedure successfully completed.

## Procedures

- a) The Terminal shall be made to initiate a VERIFY PIN command with 8 bytes of data.
- b) The UICC simulator shall send ACK=INS.
- c) The UICC simulator shall answer the next 250 data bytes with NULL (NULL="60").
- d) The UICC simulator shall then send SW<sub>1</sub> and SW<sub>2</sub>, indicating correct execution of the command ("90" and "00" for SW<sub>1</sub> and SW<sub>2</sub> respectively).

## Expected Results

The command shall be executed correctly.

## 2.20 Case 4 command - 6100 VZ\_TC\_USIMISIMINT\_6092

The device shall be compliant to ETSI TS Rel 8 102 230; Physical, electrical and logical test specification, UICC-Terminal interface. The below mentioned test cases shall be executed and are mandatory for the device compliance to UICC.

Case 4 command, use of procedure bytes 6100

Test Case	VZW_LTE_UICC_
2.19	19

### 1 Definition and applicability

Procedure bytes '61XX' is returned by the UICC to control exchanges between the Transport Layer of the Terminal and the UICC, and should never be returned to the Application Layer of the Terminal. Command processing in the UICC is not complete if it has returned procedure bytes '61XX'.

For applicability of this test case, see TS 102 230, clause 3.8.

### 2.20.2 Conformance requirement

The UICC returns procedure bytes '61xx' to the Transport Layer of the Terminal to indicate to it the manner in which it should retrieve the data requested by the command currently being processed. These procedure bytes are only used when processing case 2 and 4 commands using T=0.

#### 2.20.2.1 Reference

TS 102 221, clause 7.3.1.1.5.

ISO/IEC 7816-3, clause 8.3.

#### 2.20.3 Test purpose

To verify that the Terminal correctly handles the procedure bytes '61XX' when processing a case 4 command.

#### 2.20.4 Method of test

##### 2.20.4.1 Initial conditions

The Terminal shall be connected to the UICC simulator, and powered on.

T=0 ATR shall have been received and eventual PPS procedure successfully completed.



Design Steps
Step Name
Step 1
Pre-Conditions
null
Procedures
<p>a) The Terminal shall be made to initiate a case 4 command with Le = 357.</p> <p>b) The UICC simulator shall answer the command header with INS and send '6100' procedure bytes following reception of data.</p> <p>c) Following receipt of the command, the UICC simulator shall send 256 bytes of data + '6165' procedure bytes.</p> <p>d) Following receipt of the command, the UICC simulator shall then send 101 bytes of data and SW1 and SW2, indicating correct execution of the command ("90" and "00" for SW1 and SW2 respectively).</p>
Expected Results
<p>After step b) the Terminal shall send a GET RESPONSE command with Le = 00.</p> <p>After step c) the Terminal shall send a GET RESPONSE command with Le = 101.</p>

### 3.1 Device identification by short IMSI VZ\_TC\_USIMISIMINT\_6128

The following table is derived from the document 3GPP TS 31.121 Rel 9: *UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification* and shall be executed as a part of compliance.

Device identification by short IMSI when accessing LTE/EPC

Void Part of GCF Certification

Test Case	VZW_LTE_USIM_	Test Case Section
3.1	1	5.1.6

#### Test Purpose

- 1) To verify that the Device uses the IMSI of the USIM.
- 2) To verify that the Device can handle an IMSI of less than the maximum length.
- 3) To verify that the READ EFIMSI command is performed correctly by the Device
- 4) To verify that the Device does not respond to a Paging message containing an IMSI not stored in the USIM

### 3.2 Device identification by short IMSI VZ\_TC\_USIMISIMINT\_6129

The following table is derived from the document 3GPP TS 31.121 Rel 9: *UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification* and shall be executed as a part of compliance.

Device identification by short IMSI using a 2 digit MNC when accessing LTE/EPC  
Void Part of GCF Certification

Test Case	VZW_LTE_USIM_	Test Case Section
3.2	2	5.1.7

**Test Purpose**

- 1) To verify that the Device uses the IMSI of the USIM.
- 2) To verify that the Device can handle an IMSI consistence of a 2 digit MNC.
- 3) To verify that the READ EFIMSI command is performed correctly by the Device.
- 4) To verify that the Device does not respond to a Paging message containing an IMSI not stored in the USIM

### 3.3 Device Identification after changed IMSI VZ\_TC\_USIMISIMINT\_6130

The following table is derived from the document 3GPP TS 31.121 Rel 9: *UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification* and shall be executed as a part of compliance.

Device Identification after changed IMSI with service " EMM Information" not available  
Void Part of GCF Certification

Test Case	VZW_LTE_USIM_	Test Case Section
3.3	3	5.1.8

**Test Purpose**

- 1) To verify that Device deletes existing EMM parameters from the Device's non-volatile memory in case a different IMSI is activated.
- 2) To verify that Device includes the IMSI stored in the USIM during the attach procedure

### 3.4 Device Identification by GUTI VZ\_TC\_USIMISIMINT\_6131

The following table is derived from the document 3GPP TS 31.121 Rel 9: *UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification* and shall be executed as a part of compliance.

Device Identification by GUTI when using USIM with service "EMM Information" not available  
Void Part of GCF Certification

Test Case	VZW_LTE_USIM_	Test Case Section
3.4	4	5.1.9

#### Test Purpose

- 1) To verify that Device stores the GUTI and the TAI in the Device's non-volatile memory.
- 2) To verify that the Device uses the GUTI and the TAI from the Device's non-volatile memory during the attach procedure if the IMSI stored in the USIM has not changed

### 3.5 Device Identification by GUTI VZ\_TC\_USIMISIMINT\_6132

The following table is derived from the document 3GPP TS 31.121 Rel 9: *UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification* and shall be executed as a part of compliance.

Device Identification by GUTI when using USIM with service "EMM Information" available  
Void Part of GCF Certification

Test Case	VZW_LTE_USIM_	Test Case Section
3-5	5	5.1.10

**Test Purpose**

- 1) To verify that Device includes the GUTI and TAI stored in EFEPSLOC1 in the AttachRequest message.
- 2) To verify that the EMM parameters GUTI, Last Registered TAI sent in the AttachAccept message and the related EPS Update Status are correctly stored on the USIM if the corresponding file is present

### 3.6 Access Control Information handling VZ\_TC\_USIMISIMINT\_6133

The following table is derived from the document 3GPP TS 31.121 Rel 9: *UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification* and shall be executed as a part of compliance.

Access Control Information handling for LTE/EPC  
Void Part of GCF Certification

Test Case	VZW_LTE_USIM_	Test Case Section
3.6	6	5.2.2

**Test Purpose**

- 1) To verify that the Device reads the access control value as part of the USIM-Device initialisation procedure, and subsequently adopts this value.
- 2) To verify that the Device controls its network access in accordance with its access control class and the conditions imposed by the serving network

NOTE: Test only AC<sub>00</sub>-AC<sub>09</sub>.



### 3.7 Entry of PIN Void Part of GCF Certification VZ\_TC\_USIMISIMINT\_6134

The following table is derived from the document 3GPP TS 31.121 Rel 9: *UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification* and shall be executed as a part of compliance.

Entry of PIN  
Void Part of GCF Certification

Test Case	VZW_LTE_USIM_	Test Case Section
3.7	7	6.1.1

#### Test Purpose

- 1) To verify that the PIN verification procedure is performed by the Device correctly.
- 2) To verify that the basic public MMI string is supported

### 3.8 Change of PIN Void Part of GCF Certification VZ\_TC\_USIMISIMINT\_6135

The following table is derived from the document 3GPP TS 31.121 Rel 9: *UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification* and shall be executed as a part of compliance.

Change of PIN  
Void Part of GCF Certification

Test Case	VZW_LTE_USIM_	Test Case Section
3.8	8	6.1.2

#### Test Purpose

- 1) To verify that the PIN substitution procedure is performed correctly by the Device.
- 2) To verify that the basic public MMI string is supported

### 3.9 Unblock PIN VZ\_TC\_USIMISIMINT\_6136

The following table is derived from the document 3GPP TS 31.121 Rel 9: *UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification* and shall be executed as a part of compliance.

Unblock PIN  
Void Part of GCF Certification

Test Case	VZW_LTE_USIM_	Test Case Section
3.9	9	6.1.3

#### Test Purpose

- 1) To verify that the PIN unblocking procedure is performed correctly.
- 2) To verify that the basic public MMI string is supported

3.10 Entry of PIN2 VZ\_TC\_USIMISIMINT\_6137

The following table is derived from the document 3GPP TS 31.121 Rel 9: *UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification* and shall be executed as a part of compliance.

Entry of PIN2  
Void Part of GCF Certification

Test Case	VZW_LTE_USIM_	Test Case Section
3.10	10	6.1.4

- Test Purpose**
- 1) To verify that the PIN2 verification procedure is performed by the Device correctly.
  - 2) To verify that the basic public MMI string is supported

### 3.1.1 Change of PIN2 Void Part of GCF Certification VZ\_TC\_USIMISIMINT\_6138

The following table is derived from the document 3GPP TS 31.121 Rel 9: *UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification* and shall be executed as a part of compliance.

Change of PIN2  
Void Part of GCF Certification

Test Case	VZW_LTE_USIM_	Test Case Section
3.1.1	1.1	6.1.5

#### Test Purpose

- 1) To verify that the PIN2 substitution procedure is performed correctly by the Device.
- 2) To verify that the basic public MMI string is supported

### 3.1.2 Unblock PIN<sub>2</sub> Void Part of GCF Certification

VZ\_TC\_USIMISIMINT\_6139

The following table is derived from the document 3GPP TS 31.121 Rel 9: *UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification* and shall be executed as a part of compliance.

Unblock PIN<sub>2</sub>  
Void Part of GCF Certification

Test Case	VZW_LTE_USIM_	Test Case Section
3.1.2	1.2	6.1.6

**Test Purpose**

- 1) To verify that the PIN<sub>2</sub> unblocking procedure is performed correctly.
- 2) To verify that the basic public MMI string is supported

3.13 Entry of PIN on multi-verification capable UICCs **VZ\_TC\_USIMISIMINT\_6140**

The following table is derived from the document 3GPP TS 31.121 Rel 9: *UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification* and shall be executed as a part of compliance.

Entry of PIN on multi-verification capable UICC's

Test Case	VZW_LTE_USIM_	Test Case Section
3.13	13	6.1.10

**Test Purpose**

- 1) To verify that the PIN verification procedure is performed by the Device correctly.
- 2) To verify that the basic public MMI string is supported.
- 3) To verify that the Device supports key references in the range of "01" to "08" as PIN

### 3.14 Change of PIN on multi-verification capable UICCs VZ\_TC\_USIMISIMINT\_6141

The following table is derived from the document 3GPP TS 31.121 Rel 9: *UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification* and shall be executed as a part of compliance.

Change of PIN on multi-verification capable UICCs

Test Case	VZW_LTE_USIM_	Test Case Section
3.14	14	6.1.11

#### Test Purpose

- 1) To verify that the PIN substitution procedure is performed correctly by the Device.
- 2) To verify that the basic public MMI string is supported.
- 3) To verify that the Device supports key references in the range of "01" to "08" as PIN



### 3.15 Unblock PIN VZ\_TC\_USIMISIMINT\_6142

The following table is derived from the document 3GPP TS 31.121 Rel 9: *UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification* and shall be executed as a part of compliance.

Unblock PIN on multi-verification capable UICCs

Test Case	VZW_LTE_USIM_	Test Case Section
3.15	15	6.1.12

#### Test Purpose

- 1) To verify that the PIN unblocking procedure is performed correctly.
- 2) To verify that the basic public MMI string is supported.
- 3) To verify that the Device supports key references in the range of "01" to "08" as PIN

### 3.16 Entry of PIN<sub>2</sub> VZ\_TC\_USIMISIMINT\_6143

The following table is derived from the document 3GPP TS 31.121 Rel 9: *UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification* and shall be executed as a part of compliance.

Entry of PIN<sub>2</sub> on multi-verification capable UICC's (Not required at this time.)

Test Case	VZW_LTE_USIM_	Test Case Section
3.16	16	6.1.13

#### Test Purpose

- 1) To verify that the PIN<sub>2</sub> verification procedure is performed by the Device correctly.
- 2) To verify that the basic public MMI string is supported.
- 3) To verify that the Device supports key references in the range of "81" to "88" as PIN<sub>2</sub>

### 3.17 Change of PIN<sub>2</sub> on multi-verification capable UICCs VZ\_TC\_USIMISIMINT\_6.1.14

The following table is derived from the document 3GPP TS 31.121 Rel 9: *UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification* and shall be executed as a part of compliance.

Change of PIN<sub>2</sub> on multi-verification capable UICCs (Not required at this time.)

Test Case	VZW_LTE_USIM_	Test Case Section
3.17	17	6.1.14

#### Test Purpose

- 1) To verify that the PIN<sub>2</sub> substitution procedure is performed correctly by the Device.
- 2) To verify that the basic public MMI string is supported.
- 3) To verify that the Device supports key references in the range of "81" to "88" as PIN<sub>2</sub>.

### 3.18 Unblock PIN2 VZ\_TC\_USIMISIMINT\_6145

The following table is derived from the document 3GPP TS 31.121 Rel 9: *UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification* and shall be executed as a part of compliance.

Unblock PIN2 on multi-verification capable UICCs (Not required at this time.)

Test Case	VZW_LTE_USIM_	Test Case Section
3.18	18	6.1.15

#### Test Purpose

- 1) To verify that the PIN2 unblocking procedure is performed correctly.
- 2) To verify that the basic public MMI string is supported.
- 3) To verify that the Device supports key references in the range of "81" to "88" as PIN2

3.20 Reserved **VZ\_TC\_USIMISIMINT\_6156**

The following table is derived from the document 3GPP TS 31.121 Rel 9: *UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification* and shall be executed as a part of compliance.

Test Case	VZW_LTE_USIM_
3.20-3.24	20-24

### 3.26 Adding FPLMN to the Forbidden PLMN list VZ\_TC\_USIMISIMINT\_6157

The following table is derived from the document 3GPP TS 31.121 Rel 9: *UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification* and shall be executed as a part of compliance.

Adding FPLMN to the Forbidden PLMN list when accessing LTE  
Void Part of GCF Certification

Test Case	VZW_LTE_USIM_	Test Case Section
3.26	26	7.1.4

#### Test Purpose

- 1) To verify that in automatic PLMN selection mode the Device does not attempt to access PLMNs stored in EFFPLMN on the USIM.
- 2) To verify that the EFFPLMN is correctly updated by the Device after receipt of a AttachReject message with cause "PLMN not allowed" during registration.
- 3) To verify that the EFPSLOCI has been correctly updated by the Device during registration

3.27 Device updating forbidden PLMNs **vz\_TC\_USIMISIMINT\_6158**

The following table is derived from the document 3GPP TS 31.121 Rel 9: *UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification* and shall be executed as a part of compliance.

Device updating forbidden PLMNs when accessing LTE  
Void Part of GCF Certification

Test Case	VZW_LTE_USIM_	Test Case Section
3.27	27	7.1.5

**Test Purpose**  
To verify that the Device correctly updates the EFFPLMN, i.e. fill up existing gaps in the elementary file before overwriting any existing entries.

### 3.28 Device deleting forbidden PLMNs VZ\_TC\_USIMISIMINT\_6159

The following table is derived from the document 3GPP TS 31.121 Rel 9: *UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification* and shall be executed as a part of compliance.

Device deleting forbidden PLMNs when accessing LTE  
Void Part of GCF Certification

Test Case	VZW_LTE_USIM_	Test Case Section
3.28	28	7.1.6

**Test Purpose**

- 1) To verify that the Device is able to perform an AttachRequest during registration on a forbidden PLMN in manual PLMN selection mode.
- 2) To verify that the Device after a successful registration attempt deletes the PLMN in the EFFPLMN on the USIM



### 3.29 Device updating the User controlled PLMN VZ\_TC\_USIMISIMINT\_6160

The following table is derived from the document 3GPP TS 31.121 Rel 9: *UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification* and shall be executed as a part of compliance.

Device updating the User controlled PLMN selector list for LTE  
Void Part of GCF Certification

Test Case	VZW_LTE_USIM_	Test Case Section
3.29	29	7.2.5

**Test Purpose**

To verify that the Device correctly updates the EFPLMNwACT.

### 3.37 Correct storage of a Short Message on the USIM VZ\_TC\_USIMISIMINT\_6161

VOID

### 3.39 UICC presence detection VZ\_TC\_USIMISIMINT\_6163

The following table is derived from the document 3GPP TS 31.121 Rel 9: *UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification* and shall be executed as a part of compliance.

UICC presence detection when attached to EPS bearer

Test Case	VZW_LTE_USIM_	Test Case Section
3-39	39	8.5

**Test Purpose**

- 1) To verify that there are no periods of inactivity on the UICC Device interface greater than 30 seconds during a call.
- 2) To verify that the Device terminates a call within 5 s at the latest after having received an invalid response to the STATUS command

### 3.38 Correct reading of a Short Message on the USIM VZ\_TC\_USIMISIMINT\_6162

VOID

### 3.40 Access Point Name Control List handling VZ\_TC\_USIMISIMINT\_6164

The following table is derived from the document 3GPP TS 31.121 Rel 9: *UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification* and shall be executed as a part of compliance.

Access Point Name Control List handling for Devices supporting ACL  
Void Part of GCF Certification

Test Case	VZW_LTE_USIM_	Test Case Section
3.40	40	9.1.4

#### Test Purpose

- 1) To verify that the Device takes into account the status of the APN Control List service as indicated in EFUST and EFEST.
- 2) To verify that the Device checks that the entire APN of any PDP context is listed in EFACL before requesting this PDP context activation from the network if the ACL service is enabled.

3) To verify that the Device does not request the corresponding PDP context activation from the network if the ACL service is enabled and the APN is not present in EFACL.

3.43 NAS security context parameter **vz\_TC\_USIMISIMINT\_6166**

The following table is derived from the document 3GPP TS 31.121 Rel 9: *UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification* and shall be executed as a part of compliance.

NAS security context parameter handling when service "EMM Information" is available  
Void Part of GCF Certification

Test Case	VZW_LTE_USIM_	Test Case Section
3-43	43	11.1

**Test Purpose**  
To verify that the device generates the EPS security context identified by a key set identifier for LTE (eKSI) and stores all inside EFEPNSNC if this EF is available

### 3.44 NAS security context parameter vz\_TC\_USIMISIMINT\_6167

The following table is derived from the document 3GPP TS 31.121 Rel 9: *UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification* and shall be executed as a part of compliance.

NAS security context parameter handling when service "EMM Information" is not available no IMSI change  
Void Part of GCF Certification

Test Case	VZW_LTE_USIM_	Test Case Section
3.44	44	11.2

**Test Purpose**

To verify that the device generates the EPS security context identified by a key set identifier for LTE (eKSI) and stores all inside a non-volatile memory in the device as EMM information is not available on the USIM. During the test the IMSI on the USIM remains unchanged.



### 3.45 NAS security context parameter VZ\_TC\_USIMISIMINT\_6168

The following table is derived from the document 3GPP TS 31.121 Rel 9: *UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification* and shall be executed as a part of compliance.

NAS security context parameter handling when service "EMM Information" is not available, IMSI changed  
Void Part of GCF Certification

Test Case	VZW_LTE_USIM_	Test Case Section
3.45	45	11.3

#### Test Purpose

- 1.) To verify that the device generates the EPS security context identified by a key set identifier for LTE (eKSI) and stores all inside a non-volatile memory in the device as EMM information is not available on the USIM.
- 2.) To verify that Device deletes existing EMM parameters from the device non-volatile memory in case a different IMSI is activated

### 3.5.1 SQN Re-Synchronization

VZ\_TC\_USIMISIMINT\_8851

Device initialization of SQN re-sync with HSS.

Test Case	VZW_LTE_USIM_	Test Case Section
3.5.1	5.1	

**Test Purpose**

- 1) To verify that Device initialize SQN re-sync with HSS when the HSS has a SQN value less than that of the UICC.
- 2) To verify that the SQN sync with the HSS is successful and device is able to successfully attach.

**Procedure**

- 1) Set SQN value in HSS and UICC to all os
- 2) Perform a successful attach LTE and IMS
- 3) Reset SQN in HSS to all os and set SQN in UICC to all 1s
- 4) Perform a successful attach LTE and IMS
- 5) Verify that the SQN in the UICC and HSS are equal



## 4.1 PROFILE DOWNLOAD VZ\_TC\_USIMISIMINT\_6169

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 9: *Mobile Equipment (ME) conformance test specification*; *Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

*Note 1: The test cases 44, 44b and 44c are not yet a part of 3GPP 31.124 Rel 9 revisions, the descriptions of the tests are provided after the table.*

*Note 2: If the Device under test is of Type ND (No Display capabilities), the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified during test execution. See also TS 31.124, cl.3.4, TCEP001.*

PROFILE DOWNLOAD Void Part of GCF Certification

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
4.1	1	27.22.1	1

To verify that the Device sends a TERMINAL PROFILE command in accordance with the 3GPP TS 31.111 requirements.

## 4.2 Contents of the TERMINAL PROFILE VZ\_TC\_USIMISIMINT\_6170

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

*Note 1: The test cases 44, 44b and 44c are not yet a part of 3GPP 31.124 Rel 9 revisions, the descriptions of the tests are provided after the table.*

*Note 2: If the Device under test is of Type ND (No Display capabilities), the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified during test execution. See also TS 31.124, cl.3.4, TCEP001.*

Contents of the TERMINAL PROFILE command (Refer to section 3.1.3.3 of *VzWLTE 3GPP Band 13 Network Access Device Requirements* for basic command support)

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
4.2	2	27.22.2	NA

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

### 4.3 Servicing of proactive UICC commands VZ\_TC\_USIMISIMINT\_6171

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

*Note 1: The test cases 44, 44b and 44c are not yet a part of 3GPP 31.124 Rel 9 revisions, the descriptions of the tests are provided after the table.*

*Note 2: If the Device under test is of Type ND (No Display capabilities), the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified during test execution. See also TS 31.124, cl.3.4, TCEP001.*

Servicing of proactive UICC commands

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
4-3	3	27.22.3	NA

To verify that the Device uses the FETCH command to obtain the proactive UICC command, after detection of a pending proactive UICC command.  
The pending proactive UICC command is indicated by the response parameters '91 xx' from the UICC.  
To verify that the Device transmits the result of execution of the proactive UICC command to the UICC in the TERMINAL RESPONSE command

#### 4.4 More time VZ\_TC\_USIMISIMINT\_6172

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

*Note 1: The test cases 44, 44b and 44c are not yet a part of 3GPP 31.124 Rel 9 revisions, the descriptions of the tests are provided after the table.*

*Note 2: If the Device under test is of Type ND (No Display capabilities), the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified during test execution. See also TS 31.124, cl.3.4, TCEP001.*

More time  
Void Part of GCF Certification

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
4.4	4	27.22.4.4.1	1

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



## 4.5 Poll Interval **VZ\_TC\_USIMISIMINT\_6173**

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

*Note 1: The test cases 44, 44b and 44c are not yet a part of 3GPP 31.124 Rel 9 revisions, the descriptions of the tests are provided after the table.*

*Note 2: If the Device under test is of Type ND (No Display capabilities), the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified during test execution. See also TS 31.124, cl.3.4, TCEP001.*

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
4.5	5	27.22.4.6	NA

To verify that the Device shall send a TERMINAL RESPONSE (OK) to the UICC after the Device receives the POLL INTERVAL proactive UICC command.

To verify that the Device gives a valid response to the polling interval requested by the UICC.

To verify that the Device sends STATUS commands to the UICC at an interval no longer than the interval negotiated by the UICC.

## 4.6 REFRESH VZ\_TC\_USIMISIMINT\_6174

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

*Note 1: The test cases 44, 44b and 44c are not yet a part of 3GPP 31.124 Rel 9 revisions, the descriptions of the tests are provided after the table.*

*Note 2: If the Device under test is of Type ND (No Display capabilities), the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified during test execution. See also TS 31.124, cl.3.4, TCEP001.*

REFRESH, USIM Initialization

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
4.6	6	27.22.4.7.1	1

To verify that the Device performs the Proactive Command REFRESH in accordance with the Command Qualifier. This shall require the Device to perform:

- the UICC and USIM initialization,
- a re-read of the contents and structure of the EFs on the UICC that have been notified as changed and are either part of initialization or used during the test,
- a restart of the card session,
- a successful return of the result of the execution of the command in the TERMINAL RESPONSE command send to the UICC.

NOTE: TS 31.124 REFRESH test for 3G uses the voice call-based FDN feature. Thus for LTE testing a non-voice call related service, e.g. PLMN Network Name might be used to verify the correct REFRESH support.

NOTE: Run test without Alpha ID.

NOTE: Test shall perform REFRESH Type 00 as defined by ETSI 102.223 Section 6.4.7, 8.6

## 4.7 REFRESH VZ\_TC\_USIMISIMINT\_6175

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

*Note 1: The test cases 44, 44b and 44c are not yet a part of 3GPP 31.124 Rel 9 revisions, the descriptions of the tests are provided after the table.*

*Note 2: If the Device under test is of Type ND (No Display capabilities), the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified during test execution. See also TS 31.124, cl.3.4, TCEP001.*

REFRESH, File Change Notification

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
4.7	7	27.22.4.7.1	2

To verify that the Device performs the Proactive Command REFRESH in accordance with the Command Qualifier. This shall require the Device to perform:

- the UICC and USIM initialization,
- a re-read of the contents and structure of the EFs on the UICC that have been notified as changed and are either part of initialization or used during the test,
- a restart of the card session,
- a successful return of the result of the execution of the command in the TERMINAL RESPONSE command send to the UICC.

NOTE: TS 31.124 REFRESH test for 3G uses the voice call-based FDN feature. Thus for LTE testing a non-voice call related service, e.g. PLMN Network Name might be used to verify the correct REFRESH support.

NOTE: Run test without Alpha ID.

## 4.8 REFRESH VZ\_TC\_USIMISIMINT\_6176

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

*Note 1: The test cases 44, 44b and 44c are not yet a part of 3GPP 31.124 Rel 9 revisions, the descriptions of the tests are provided after the table.*

*Note 2: If the Device under test is of Type ND (No Display capabilities), the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified during test execution. See also TS 31.124, cl.3.4, TCEP001.*

REFRESH, USIM Initialization and File Change Notification  
Void Part of GCF Certification

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
4.8	8	27.22.4.7.1	3

To verify that the Device performs the Proactive Command REFRESH in accordance with the Command Qualifier. This shall require the Device to perform:

- the UICC and USIM initialization,
- a re-read of the contents and structure of the EFs on the UICC that have been notified as changed and are either part of initialization or used during the test,
- a restart of the card session,
- a successful return of the result of the execution of the command in the TERMINAL RESPONSE command send to the UICC.

NOTE: TS 31.124 REFRESH test for 3G uses the voice call-based FDN feature. Thus for LTE testing a non-voice call related service, e.g. PLMN Network Name might be used to verify the correct REFRESH support.

NOTE: Run test without Alpha ID.

NOTE: Test shall perform REFRESH Type 04 as defined by ETSI 102.223 Section 6.4.7, 8.6



## 4.9 REFRESH VZ\_TC\_USIMISIMINT\_6177

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

*Note 1: The test cases 44, 44b and 44c are not yet a part of 3GPP 31.124 Rel 9 revisions, the descriptions of the tests are provided after the table.*

*Note 2: If the Device under test is of Type ND (No Display capabilities), the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified during test execution. See also TS 31.124, cl.3.4, TCEP001.*

REFRESH, USIM Initialization and Full File Change Notification

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
4.9	9	27.22.4.7.1	4

To verify that the Device performs the Proactive Command REFRESH in accordance with the Command Qualifier. This shall require the Device to perform:

- the UICC and USIM initialization,
- a re-read of the contents and structure of the EFs on the UICC that have been notified as changed and are either part of initialization or used during the test,
- a restart of the card session,
- a successful return of the result of the execution of the command in the TERMINAL RESPONSE command send to the UICC.

NOTE: TS 31.124 REFRESH test for 3G uses the voice call-based FDN feature. Thus for LTE testing a non-voice call related service, e.g. PLMN Network Name might be used to verify the correct REFRESH support.

NOTE: Run test without Alpha ID.

## 4.10 REFRESH VZ\_TC\_USIMISIMINT\_6178

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

*Note 1: The test cases 44, 44b and 44c are not yet a part of 3GPP 31.124 Rel 9 revisions, the descriptions of the tests are provided after the table.*

*Note 2: If the Device under test is of Type ND (No Display capabilities), the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified during test execution. See also TS 31.124, cl.3.4, TCEP001.*

REFRESH, USIM Initialization after SMS-PP data download

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
4.10	10	27.22.4.7.1	6

To verify that the Device performs the Proactive Command REFRESH in accordance with the Command Qualifier. This shall require the Device to perform:

- the UICC and USIM initialization,
- a re-read of the contents and structure of the EFs on the UICC that have been notified as changed and are either part of initialization or used during the test,
- a restart of the card session,
- a successful return of the result of the execution of the command in the TERMINAL RESPONSE command send to the UICC.

NOTE: TS 31.124 REFRESH test for 3G uses the voice call-based FDN feature. Thus for LTE testing a non-voice call related service, e.g. PLMN Network Name might be used to verify the correct REFRESH support.

NOTE: Run test without Alpha ID.

NOTE: Test shall perform REFRESH Type 06 as defined by ETSI 102.223 Section 6.4.7, 8.6

## 4.1.1 REFRESH **VZ\_TC\_USIMISIMINT\_6179**

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

*Note 1: The test cases 44, 44b and 44c are not yet a part of 3GPP 31.124 Rel 9 revisions, the descriptions of the tests are provided after the table.*

*Note 2: If the Device under test is of Type ND (No Display capabilities), the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified during test execution. See also TS 31.124, cl.3.4, TCEP001.*

*Note 3: If the Device under test is Verizon Branded, the IMS APN shall be removed from EF\_ACL and the Device shall not perform a successful LTE attach after completion of the REFRESH command.*

REFRESH, USIM Application Reset (Refer to Expected Sequence below.)

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
4.1.1	1.1		

To verify that the Device performs the Proactive Command REFRESH in accordance with the Command Qualifier. This shall require the Device to perform:

- the UICC and USIM initialization,
- a re-read of the contents and structure of the EFs on the UICC that have been notified as changed and are either part of initialization or used during the test,
- a restart of the card session,
- a successful return of the result of the execution of the command in the TERMINAL RESPONSE command send to the UICC.

NOTE: TS 31.124 REFRESH test for 3G uses the voice call-based FDN feature. Thus for LTE testing a non-voice call related service, e.g. PLMN Network Name might be used to verify the correct REFRESH support.

NOTE: Run test without Alpha ID.

### Expected Sequence 1.7v (REFRESH, USIM Application Reset)

#### 27.22.4.7 REFRESH

##### 27.22.4.7.1 REFRESH (normal)

##### 27.22.4.7.1.1 Definition and applicability



See clause 3.2.2.

27.22.4.7.1.2 Conformance requirement

The ME shall support the REFRESH command as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.7, clause 6.6.13, clause 5.2, clause 8.6, clause 8.7 and clause 8.18.

Consequently the ME shall support the USIM Initialization procedure as defined in:

- TS 31.102 [14] clause 5.1.1.2 and ETSI TS 102 221 [13] clause 11.1.2

27.22.4.7.1.3 Test purpose

To verify that the ME performs the Proactive Command REFRESH in accordance with the Command Qualifier. This shall require the ME to perform:

- the UICC and USIM initialization,
- a re-read of the contents and structure of the EFs on the UICC that have been notified as changed and are either part of initialization or used during the test,
- a restart of the card session,
- a successful return of the result of the execution of the command in the TERMINAL RESPONSE command send to the UICC.

27.22.4.7.1.4 Method of test

27.22.4.7.1.4.1 Initial conditions

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

The elementary files are coded as Toolkit default except for expected sequence 1.3.

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

These values might be overwritten with values defined in the expected sequences itself.

. The default E-UTRAN UICC is used with the following exceptions:

The APN Control List (ACL) shall be allocated and activated in the USIM Service Table and disabled in the Enabled Service Table.

EF<sub>ACL</sub> shall be present with the following values:

#### EF<sub>ACL</sub> (Access Point Control List)

Logically: Number of available bytes: 64

Number of APNs: 3

1<sup>st</sup> APN: test12.st

2<sup>nd</sup> APN: 3gpp.test

3<sup>rd</sup> APN: 2gpp.test

4<sup>th</sup> APN: Network Provided APN

Byte:	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12
Coding:	04	DD	0A	06	74	65	73	74	31	32	02	73
	B13	B14	B15	B16	B17	B18	B19	B20	B21	B22	B23	B24
	74	DD	0A	04	33	67	70	70	04	74	65	73
	B25	B26	B27	B28	B29	B30	B31	B32	B33	B34	B35	B36
	74	DD	0A	04	32	67	70	70	04	74	65	73
	B37	B38	B39	B40	&							B64
	74	DD	00	FF	&							

27.22.4.7.1.4.2

Procedure

Expected Sequence 1.7v (REFRESH, USIM Application Reset)

Step	Direction	MESSAGE / Action	Comments
1	UICC® ME	PROACTIVE COMMAND PENDING: REFRESH 1.7.1	[To inform the ME that ACL becomes enabled]
2	ME® UICC	FETCH	
3	UICC® ME	PROACTIVE COMMAND: REFRESH 1.7.1	No UICC reset shall be performed between steps 3 and 9.
4	ME® UICC	STATUS[P1='02']	ME indicates to USIM that the termination procedure is starting
5	ME® UICC	Select AID=USIM (P2='44') OR (P2='4C')	Application termination
6	UICC	EF EST contents states ACL enabled	[New EF EST value: 01]
7	ME® UICC	USIM Initialization, including send STATUS[P1='01']	[ME performs USIM initialization]
8	ME® UICC	TERMINAL RESPONSE: REFRESH 1.7.1	[normal ending]
9	UICC® ME	PROACTIVE UICC SESSION ENDED	
10	UICC® ME	PROACTIVE COMMAND PENDING: OPEN CHANNEL 6.1.1	
11	ME® UICC	FETCH	
12	UICC® ME	PROACTIVE COMMAND : OPEN CHANNEL 6.1.1	
13	ME® E-USS	The terminal shall not send a PDN CONNECTIVITY REQUEST to the network	
14	ME® UICC	TERMINAL RESPONSE : OPEN CHANNEL 6.4.1	[Bearer Independent Protocol error]

PROACTIVE COMMAND: REFRESH 1.7.1

Logically:

Command details

Command number: 1  
Command type: REFRESH  
Command qualifier: USIM Application Reset

Device identities

Source device: UICC  
Destination device: ME

Coding:

BER-TLV:	D0	09	81	03	01	01	05	82	02	81	82	
----------	----	----	----	----	----	----	----	----	----	----	----	--

TERMINAL RESPONSE: REFRESH 1.7.1

Logically:

Command details

Command number: 1  
Command type: REFRESH  
Command qualifier: USIM Application Reset

Device identities

Source device: ME  
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

BER-TLV:	81	03	01	01	05	82	02	82	81	83	01	00
----------	----	----	----	----	----	----	----	----	----	----	----	----

PROACTIVE COMMAND: OPEN CHANNEL 6.1.1

Logically:

Command details

Command number: 1  
Command type: OPEN CHANNEL  
Command qualifier: immediate link establishment

Device identities

Source device: UICC  
Destination device: ME

Bearer

Bearer type: GPRS / UTRAN packet service / E-UTRAN  
Precedence Class: 03  
Delay Class: 04  
Reliability Class: 02  
Peak throughput class: 09  
Mean throughput class: 31  
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400

Network access name: TestGp.rs

Text String: "UserLog" (User login)

Text String: "UserPwd" (User password)

UICC/ME interface transport level

Transport format: TCP

Port number: 44444

Data destination address 01.01.01.01

Coding:

BER-TLV:	Do	42	81	03	01	40	01	82	02	81	82	35
	07	02	03	04	02	09	1F	02	39	02	05	78
	47	0A	06	54	65	73	74	47	70	02	72	73
	0D	08	F4	55	73	65	72	4C	6F	67	0D	08
	F4	55	73	65	72	50	77	64	3C	03	02	AD
	9C	3E	05	21	01	01	01	01				

TERMINAL RESPONSE: OPEN CHANNEL 6.4.1

Logically:

Command details

Command number: 1  
Command type: OPEN CHANNEL  
Command qualifier: immediate link establishment

Device identities

Source device: ME  
Destination device: UICC

Result

General Result: Bearer Independent Protocol error  
Additional Information: No specific cause can be given

Bearer description

Bearer type: GPRS / UTRAN packet service / E-UTRAN  
Precedence Class: 03  
Delay Class: 04

Reliability Class: 02  
Peak throughput class: 09  
Mean throughput class: 31  
Packet data protocol: 02 (IP)

Buffer

Buffer size: Because the value depends in this case on the terminal's implementation, it shall be ignored.

Coding:

BER-TLV:	81	03	01	40	01	82	02	82	81	83	02	3A
	00	35	07	02	03	04	02	09	1F	02	Note	
Note: The buffer size TLV shall be present and because the value depends in this case on the terminal's implementation, the value shall be ignored.												

27.22.4.7.1.5 Test requirement

**The ME shall operate in the manner defined in expected sequences 1.7.**

## 4.13 REFRESH VZ\_TC\_USIMISIMINT\_6183

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

*Note 1: The test cases 44, 44b and 44c are not yet a part of 3GPP 31.124 Rel 9 revisions, the descriptions of the tests are provided after the table.*

*Note 2: If the Device under test is of Type ND (No Display capabilities), the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified during test execution. See also TS 31.124, cl.3.4, TCEP001.*

REFRESH, USIM Application Reset for IMSI Changing procedure

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
4.13	13	27.22.4.7.2	2

To verify that the Device performs the Proactive Command REFRESH in accordance with the Command Qualifier and the IMSI changing procedure. This may require the Device to perform:

- the USIM initialization
- a re-read of the contents and structure of the IMSI on the USIM
- a restart of the card session
- a successful return of the result of the execution of the command in the TERMINAL RESPONSE command sent to the UICC

## 4.16 SEND SHORT MESSAGE VZ\_TC\_USIMISIMINT\_6187

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

*Note 1: The test cases 44, 44b and 44c are not yet a part of 3GPP 31.124 Rel 9 revisions, the descriptions of the tests are provided after the table.*

*Note 2: If the Device under test is of Type ND (No Display capabilities), the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified during test execution. See also TS 31.124, cl.3.4, TCEP001.*

SEND SHORT MESSAGE, SMS-over-IP, E-UTRAN (IMS), packing not required, SMS default alphabet, successful

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
4.16	16	27.22.4.10.7	1 (7.1.1)

1. To verify that the Device correctly formats and sends a short message via IMS to the network (E-USS) as indicated in the SEND SHORT MESSAGE proactive UICC command, and returns a TERMINAL RESPONSE command to the UICC indicating the status of the transmission of the Short Message
2. To verify that the ME uses the default service address as indicated in EF SMSP if no service center address is available in the Send Short Message command
3. To verify that a device of Class ND does not reject the Send Short Message command if the proactive Send Short Message command contains an alpha identifier

## 4.17 SEND SHORT MESSAGE VZ\_TC\_USIMISIMINT\_6188

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

*Note 1: The test cases 44, 44b and 44c are not yet a part of 3GPP 31.124 Rel 9 revisions, the descriptions of the tests are provided after the table.*

*Note 2: If the Device under test is of Type ND (No Display capabilities), the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified during test execution. See also TS 31.124, cl.3.4, TCEP001.*

SEND SHORT MESSAGE, SMS-over-IP, E-UTRAN (IMS), packing required, alpha identifier, 8 bit data, message of 160 characters user data, successful

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
4.17	17	27.22.4.10.7	1 (7.1.2)

1. To verify that the Device correctly formats and sends a short message via IMS to the network (E-USS) as indicated in the SEND SHORT MESSAGE proactive UICC command, and returns a TERMINAL RESPONSE command to the UICC indicating the status of the transmission of the Short Message
2. To verify that the ME uses the default service address as indicated in EF SMSP if no service center address is available in the Send Short Message command
3. To verify that a device of Class ND does not reject the Send Short Message command if the proactive Send Short Message command contains an alpha identifier



## 4.18 SEND SHORT MESSAGE VZ\_TC\_USIMISIMINT\_6189

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

*Note 1: The test cases 44, 44b and 44c are not yet a part of 3GPP 31.124 Rel 9 revisions, the descriptions of the tests are provided after the table.*

*Note 2: If the Device under test is of Type ND (No Display capabilities), the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified during test execution. See also TS 31.124, cl.3.4, TCEP001.*

SEND SHORT MESSAGE, SMS-over-IP, E-UTRAN (IMS), packing not required, alpha identifier, SMS default alphabet, message of 160 characters user data, successful

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
4.18	18	27.22.4.10.7	1 (7.1.3)

1. To verify that the Device correctly formats and sends a short message via IMS to the network (E-USS) as indicated in the SEND SHORT MESSAGE proactive UICC command, and returns a TERMINAL RESPONSE command to the UICC indicating the status of the transmission of the Short Message
2. To verify that the ME uses the default service address as indicated in EF SMSP if no service center address is available in the Send Short Message command
3. To verify that a device of Class ND does not reject the Send Short Message command if the proactive Send Short Message command contains an alpha identifier



## 4.20 SEND SHORT MESSAGE VZ\_TC\_USIMISIMINT\_6190

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

*Note 1: The test cases 44, 44b and 44c are not yet a part of 3GPP 31.124 Rel 9 revisions, the descriptions of the tests are provided after the table.*

*Note 2: If the Device under test is of Type ND (No Display capabilities), the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified during test execution. See also TS 31.124, cl.3.4, TCEP001.*

SEND SHORT MESSAGE, SMS-over-IP, E-UTRAN (IMS), alpha identifier length '00', packing not required, 8-bit data, successful

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
4.20	20	27.22.4.10.7	1 (7.1.4)

1. To verify that the Device correctly formats and sends a short message via IMS to the network (E-USS) as indicated in the SEND SHORT MESSAGE proactive UICC command, and returns a TERMINAL RESPONSE command to the UICC indicating the status of the transmission of the Short Message
2. To verify that the ME uses the default service address as indicated in EF SMSP if no service center address is available in the Send Short Message command
3. To verify that a device of Class ND does not reject the Send Short Message command if the proactive Send Short Message command contains an alpha identifier

## 4.2.1 SEND SHORT MESSAGE VZ\_TC\_USIMISIMINT\_6191

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

*Note 1: The test cases 44, 44b and 44c are not yet a part of 3GPP 31.124 Rel 9 revisions, the descriptions of the tests are provided after the table.*

*Note 2: If the Device under test is of Type ND (No Display capabilities), the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified during test execution. See also TS 31.124, cl.3.4, TCEP001.*

SEND SHORT MESSAGE, SMS-over-IP, E-UTRAN (IMS), packing not required, 8-bit data, no alpha identifier, successful

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
4.2.1	2.1	27.22.4.10.7	1 (7.1.5)

1. To verify that the Device correctly formats and sends a short message via IMS to the network (E-USS) as indicated in the SEND SHORT MESSAGE proactive UICC command, and returns a TERMINAL RESPONSE command to the UICC indicating the status of the transmission of the Short Message
2. To verify that the ME uses the default service address as indicated in EF SMSP if no service center address is available in the Send Short Message command
3. To verify that a device of Class ND does not reject the Send Short Message command if the proactive Send Short Message command contains an alpha identifier

## 4.2.2 POLLING OFF VZ\_TC\_USIMISIMINT\_6192

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

*Note 1: The test cases 44, 44b and 44c are not yet a part of 3GPP 31.124 Rel 9 revisions, the descriptions of the tests are provided after the table.*

*Note 2: If the Device under test is of Type ND (No Display capabilities), the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified during test execution. See also TS 31.124, cl.3.4, TCEP001.*

POLLING OFF, E-UTRAN  
Void Part of GCF Certification

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
4.2.2	2.2	27.22.4.14.1	2

To verify that the Device cancels the effect of any previous POLL INTERVAL commands and does not affect UICC presence detection

## 4.23 PROVIDE LOCAL INFORMATION VZ\_TC\_USIMISIMINT\_6198

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

*Note 1: The test cases 44, 44b and 44c are not yet a part of 3GPP 31.124 Rel 9 revisions, the descriptions of the tests are provided after the table.*

*Note 2: If the Device under test is of Type ND (No Display capabilities), the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified during test execution. See also TS 31.124, cl.3.4, TCEP001.*

PROVIDE LOCAL INFORMATION, E-UTRAN Local Info (MCC, MNC, TAC & E-UTRAN Cell ID)

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
4.23	23	27.22.4.15.1	17

To verify that the Device returns the following requested local information within a TERMINAL RESPONSE:

- location information:
- Mobile Country Code (MCC);
- Mobile Network Code (MNC);
- Tracking Area Code (TAC); and
- cell ID of the current serving cell;
- the IMEI of the device;
- the current date, time and time zone;
- the current Device language setting;
- the Access Technology;
- the IMEISV
- the E-UTRAN intra-frequency measurements

if the local information is stored in the device; otherwise, sends the correct error code to the UICC in the TERMINAL RESPONSE

## 4.2.4 PROVIDE LOCAL INFORMATION VZ\_TC\_USIMISIMINT\_6199

**LTE Multimode Device UICC CSIM Interaction** The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

*Note 1: The test cases 44, 44b and 44c are not yet a part of 3GPP 31.124 Rel 9 revisions, the descriptions of the tests are provided after the table.*

*Note 2: If the Device under test is of Type ND (No Display capabilities), the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified during test execution. See also TS 31.124, cl.3.4, TCEP001.*

PROVIDE LOCAL INFORMATION, IMEI of the device  
Void Part of GCF Certification

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
4.2.4	2.4	27.22.4.15.1	2

To verify that the Device returns the following requested local information within a TERMINAL RESPONSE:

- location information:
- Mobile Country Code (MCC);
- Mobile Network Code (MNC);
- Tracking Area Code (TAC); and
- cell ID of the current serving cell;
- the IMEI of the device;
- the current date, time and time zone;
- the current Device language setting;
- the Access Technology;
- the IMEISV
- the E-UTRAN intra-frequency measurements

if the local information is stored in the device; otherwise, sends the correct error code to the UICC in the TERMINAL RESPONSE

## 4.25 PROVIDE LOCAL INFORMATION VZ\_TC\_USIMISIMINT\_6200

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 9: *Mobile Equipment (ME) conformance test specification*; *Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

*Note 1: The test cases 44, 44b and 44c are not yet a part of 3GPP 31.124 Rel 9 revisions, the descriptions of the tests are provided after the table.*

*Note 2: If the Device under test is of Type ND (No Display capabilities), the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified during test execution. See also TS 31.124, cl.3.4, TCEP001.*

PROVIDE LOCAL INFORMATION, Date, Time, Time Zone  
Void Part of GCF Certification

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
4.25	25	27.22.4.15.1	4

To verify that the Device returns the following requested local information within a TERMINAL RESPONSE:

- location information:
- Mobile Country Code (MCC);
- Mobile Network Code (MNC);
- Tracking Area Code (TAC); and
- cell ID of the current serving cell;
- the IMEI of the device;
- the current date, time and time zone;
- the current Device language setting;
- the Access Technology;
- the IMEISV
- the E-UTRAN intra-frequency measurements

if the local information is stored in the device; otherwise, sends the correct error code to the UICC in the TERMINAL RESPONSE



## 4.26 PROVIDE LOCAL INFORMATION VZ\_TC\_USIMISIMINT\_6201

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

*Note 1: The test cases 44, 44b and 44c are not yet a part of 3GPP 31.124 Rel 9 revisions, the descriptions of the tests are provided after the table.*

*Note 2: If the Device under test is of Type ND (No Display capabilities), the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified during test execution. See also TS 31.124, cl.3.4, TCEP001.*

PROVIDE LOCAL INFORMATION, Language, setting  
Void Part of GCF Certification

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
4.26	26	27.22.4.15.1	5

To verify that the Device returns the following requested local information within a TERMINAL RESPONSE:

- location information:
- Mobile Country Code (MCC);
- Mobile Network Code (MNC);
- Tracking Area Code (TAC); and
- cell ID of the current serving cell;
- the IMEI of the device;
- the current date, time and time zone;
- the current Device language setting;
- the Access Technology;
- the IMEISV
- the E-UTRAN intra-frequency measurements

if the local information is stored in the device; otherwise, sends the correct error code to the UICC in the TERMINAL RESPONSE

## 4.27 PROVIDE LOCAL INFORMATION VZ\_TC\_USIMISIMINT\_6202

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

*Note 1: The test cases 44, 44b and 44c are not yet a part of 3GPP 31.124 Rel 9 revisions, the descriptions of the tests are provided after the table.*

*Note 2: If the Device under test is of Type ND (No Display capabilities), the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified during test execution. See also TS 31.124, cl.3.4, TCEP001.*

PROVIDE LOCAL INFORMATION, Access Technology, E-UTRAN  
Void Part of GCF Certification

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
4.27	27	27.22.4.15.1	14

To verify that the Device returns the following requested local information within a TERMINAL RESPONSE:

- location information:
- Mobile Country Code (MCC);
- Mobile Network Code (MNC);
- Tracking Area Code (TAC); and
- cell ID of the current serving cell;
- the IMEI of the device;
- the current date, time and time zone;
- the current Device language setting;
- the Access Technology;
- the IMEISV
- the E-UTRAN intra-frequency measurements

if the local information is stored in the device; otherwise, sends the correct error code to the UICC in the TERMINAL RESPONSE

## 4.28 PROVIDE LOCAL INFORMATION VZ\_TC\_USIMISIMINT\_6203

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

*Note 1: The test cases 44, 44b and 44c are not yet a part of 3GPP 31.124 Rel 9 revisions, the descriptions of the tests are provided after the table.*

*Note 2: If the Device under test is of Type ND (No Display capabilities), the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified during test execution. See also TS 31.124, cl.3.4, TCEP001.*

PROVIDE LOCAL INFORMATION, IMEISV of the terminal

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
4.28	28	27.22.4.15.1	9

To verify that the Device returns the following requested local information within a TERMINAL RESPONSE:

- location information:
- Mobile Country Code (MCC);
- Mobile Network Code (MNC);
- Tracking Area Code (TAC); and
- cell ID of the current serving cell;
- the IMEI of the device;
- the current date, time and time zone;
- the current Device language setting;
- the Access Technology;
- the IMEISV
- the E-UTRAN intra-frequency measurements

if the local information is stored in the device; otherwise, sends the correct error code to the UICC in the TERMINAL RESPONSE

## 4.28 a PROVIDE LOCAL INFORMATION VZ\_TC\_USIMISIMINT\_6204

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 9: *Mobile Equipment (ME) conformance test specification*; *Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

*Note 1: The test cases 44, 44b and 44c are not yet a part of 3GPP 31.124 Rel 9 revisions, the descriptions of the tests are provided after the table.*

*Note 2: If the Device under test is of Type ND (No Display capabilities), the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified during test execution. See also TS 31.124, cl.3.4, TCEP001.*

PROVIDE LOCAL INFORMATION, E-UTRAN Intra-Frequency Measurements  
Void Part of GCF Certification

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
4.28a	28a	27.22.4.15.1	15

To verify that the Device returns the following requested local information within a TERMINAL RESPONSE:

- location information;
- Mobile Country Code (MCC);
- Mobile Network Code (MNC);
- Tracking Area Code (TAC); and
- cell ID of the current serving cell;
- the IMEI of the device;
- the current date, time and time zone;
- the current Device language setting;
- the Access Technology;
- the IMEISV
- the E-UTRAN intra-frequency measurements

if the local information is stored in the device; otherwise, sends the correct error code to the UICC in the TERMINAL RESPONSE

## 4.33 TIMER MANAGEMENT VZ\_TC\_USIMISIMINT\_6205

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 9: *Mobile Equipment (ME) conformance test specification*; *Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

*Note 1: The test cases 44, 44b and 44c are not yet a part of 3GPP 31.124 Rel 9 revisions, the descriptions of the tests are provided after the table.*

*Note 2: If the Device under test is of Type ND (No Display capabilities), the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified during test execution. See also TS 31.124, cl.3.4, TCEP001.*

TIMER MANAGEMENT, start timer 1 several times, get the current value of the timer and deactivate the timer successfully  
Void Part of GCF Certification

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
4.33	33	27.22.4.21.1	1

To verify that the Device manages correctly its internal timers, start a timer, deactivate a timer or return the current value of a timer according to the Timer Identifier defined in the TIMER MANAGEMENT proactive UICC command

## 4.34 TIMER MANAGEMENT VZ\_TC\_USIMISIMINT\_6206

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

*Note 1: The test cases 44, 44b and 44c are not yet a part of 3GPP 31.124 Rel 9 revisions, the descriptions of the tests are provided after the table.*

*Note 2: If the Device under test is of Type ND (No Display capabilities), the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified during test execution. See also TS 31.124, cl.3.4, TCEP001.*

TIMER MANAGEMENT, start timer 2 several times, get the current value of the timer and deactivate the timer successful

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
4.34	34	27.22.4.21.1	2

To verify that the Device manages correctly its internal timers, start a timer, deactivate a timer or return the current value of a timer according to the Timer Identifier defined in the TIMER MANAGEMENT proactive UICC command

## 4.35 TIMER MANAGEMENT

VZ\_TC\_USIMISIMINT\_6207

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

*Note 1: The test cases 44, 44b and 44c are not yet a part of 3GPP 31.124 Rel 9 revisions, the descriptions of the tests are provided after the table.*

*Note 2: If the Device under test is of Type ND (No Display capabilities), the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified during test execution. See also TS 31.124, cl.3.4, TCEP001.*

TIMER MANAGEMENT, start timer 8 several times, get the current value of the timer and deactivate the timer successfully  
Void Part of GCF Certification

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
4.35	35	27.22.4.21.1	3

To verify that the Device manages correctly its internal timers, start a timer, deactivate a timer or return the current value of a timer according to the Timer Identifier defined in the TIMER MANAGEMENT proactive UICC command

## 4.36 TIMER MANAGEMENT VZ\_TC\_USIMISIMINT\_6208

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 9: *Mobile Equipment (ME) conformance test specification*; *Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

*Note 1: The test cases 44, 44b and 44c are not yet a part of 3GPP 31.124 Rel 9 revisions, the descriptions of the tests are provided after the table.*

*Note 2: If the Device under test is of Type ND (No Display capabilities), the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified during test execution. See also TS 31.124, cl.3.4, TCEP001.*

TIMER MANAGEMENT, try to get the current value of a timer which is not started: action in contradiction with the current timer state  
Void Part of GCF Certification

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
4.36	36	27.22.4.21.1	4

To verify that the Device manages correctly its internal timers, start a timer, deactivate a timer or return the current value of a timer according to the Timer Identifier defined in the TIMER MANAGEMENT proactive UICC command



## 4.37 TIMER MANAGEMENT VZ\_TC\_USIMISIMINT\_6209

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

*Note 1: The test cases 44, 44b and 44c are not yet a part of 3GPP 31.124 Rel 9 revisions, the descriptions of the tests are provided after the table.*

*Note 2: If the Device under test is of Type ND (No Display capabilities), the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified during test execution. See also TS 31.124, cl.3.4, TCEP001.*

TIMER MANAGEMENT, try to deactivate a timer which is not started; action in contradiction with the current timer state  
Void Part of GCF Certification

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
4.37	37	27.22.4.21.1	5

To verify that the Device manages correctly its internal timers, start a timer, deactivate a timer or return the current value of a timer according to the Timer Identifier defined in the TIMER MANAGEMENT proactive UICC command

## 4.38 TIMER MANAGEMENT

VZ\_TC\_USIMISIMINT\_6210

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

*Note 1: The test cases 44, 44b and 44c are not yet a part of 3GPP 31.124 Rel 9 revisions, the descriptions of the tests are provided after the table.*

TIMER MANAGEMENT, start 8 timers successfully  
Void Part of GCF Certification

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
4.38	38	27.22.4.21.1	6

To verify that the Device manages correctly its internal timers, start a timer, deactivate a timer or return the current value of a timer according to the Timer Identifier defined in the TIMER MANAGEMENT proactive UICC command

*Note 2: If the Device under test is of Type ND (No Display capabilities), the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified during test execution. See also TS 31.124, cl.3.4, TCEP001.*

## 4.39 TIMER EXPIRATION

VZ\_TC\_USIMISIMINT\_6211

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

*Note 1: The test cases 44, 44b and 44c are not yet a part of 3GPP 31.124 Rel 9 revisions, the descriptions of the tests are provided after the table.*

*Note 2: If the Device under test is of Type ND (No Display capabilities), the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified during test execution. See also TS 31.124, cl.3.4, TCEP001.*

TIMER EXPIRATION, pending proactive UICC command)  
Void Part of GCF Certification

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
4.39	39	27.22.4.21.2	1

### Test Purpose

To verify that the Device shall pass the identifier of the timer that has expired and its value using the ENVELOPE (TIMER EXPIRATION) command, when a timer previously started in a TIMER MANAGEMENT proactive command expires

To verify that the Device shall send a:

- TERMINAL RESPONSE (OK); or
- TERMINAL RESPONSE (Command performed with modification); or
- TERMINAL RESPONSE (device currently unable to process command); to the UICC after the Device receives the OPEN CHANNEL proactive command while accessing E-UTRAN/EPC. The TERMINAL RESPONSE sent back to the UICC is the result of the Device and the network capabilities against requested parameters by the UICC.

### NOTE 1:

All BIP tests (OPEN CHANNEL, CLOSE CHANNEL, SEND DATA, RECEIVE DATA, GET CHANNEL STATUS, EVENT DOWNLOAD DATA AVAILABLE, EVENT DOWNLOAD CHANNEL STATUS ON A LINK DROPPED) may use the Verizon Wireless default APN "vzwadmin" instead of the "TestGp.rs" to ease the preparation of the device under test for BIP testing (UE's might require that the used APN is available also in its non-volatile memory)

NOTE 2: Test 4.44a (27.22.4.27.6 Seq. 6.4) requires that the ME provides means to reject the proactive command, e.g. via an MMI which allows the user to reject the proactive command when the Alpha Identifier is displayed or if the device does not have a display or keypad the UE shall be configured to reject the command. If no such means are available, the test shall not be executed

## 4.4<sup>o</sup> TIMER EXPIRATION

VZ\_TC\_USIMISIMINT\_6212

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

*Note 1: The test cases 44, 44b and 44c are not yet a part of 3GPP 31.124 Rel 9 revisions, the descriptions of the tests are provided after the table.*

*Note 2: If the Device under test is of Type ND (No Display capabilities), the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified during test execution. See also TS 31.124, cl.3.4, TCEP001.*

TIMER EXPIRATION, UICC application toolkit busy  
Void Part of GCF Certification

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
4.4 <sup>o</sup>	4 <sup>o</sup>	27.22.4.21.2	2

### Test Purpose

To verify that the Device shall pass the identifier of the timer that has expired and its value using the ENVELOPE (TIMER EXPIRATION) command, when a timer previously started in a TIMER MANAGEMENT proactive command expires

To verify that the Device shall send a:

- TERMINAL RESPONSE (OK); or
- TERMINAL RESPONSE (Command performed with modification); or
- TERMINAL RESPONSE (device currently unable to process command); to the UICC after the Device receives the OPEN CHANNEL proactive command while accessing E-UTRAN/EPC. The TERMINAL RESPONSE sent back to the UICC is the result of the Device and the network capabilities against requested parameters by the UICC.

### NOTE 1:

All BIP tests (OPEN CHANNEL, CLOSE CHANNEL, SEND DATA, RECEIVE DATA, GET CHANNEL STATUS, EVENT DOWNLOAD DATA AVAILABLE, EVENT DOWNLOAD CHANNEL STATUS ON A LINK DROPPED) may use the Verizon Wireless default APN "vzwadmin" instead of the "TestGp.rs" to ease the preparation of the device under test for BIP testing (UE's might require that the used APN is available also in its non-volatile memory)

NOTE 2: Test 4.44a (27.22.4.27.6 Seq. 6.4) requires that the ME provides means to reject the proactive command, e.g. via an MMI which allows the user to reject the proactive command when the Alpha Identifier is displayed or if the device does not have a display or keypad the UE shall be configured to reject the command. If no such means are available, the test shall not be executed

## 4.4.1 OPEN CHANNEL VZ\_TC\_USIMISIMINT\_6213

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

*Note 1: The test cases 44, 44b and 44c are not yet a part of 3GPP 31.124 Rel 9 revisions, the descriptions of the tests are provided after the table.*

*Note 2: If the Device under test is of Type ND (No Display capabilities), the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified during test execution. See also TS 31.124, cl.3.4, TCEP001.*

OPEN CHANNEL, immediate link establishment, E-UTRAN, bearer type '02'  
Void Part of GCF Certification

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
4.4.1	4.1	27.22.4.27.6	1

### Test Purpose

To verify that the Device shall send a:

- TERMINAL RESPONSE (OK); or
- TERMINAL RESPONSE (Command performed with modification); or
- TERMINAL RESPONSE (device currently unable to process command); to the UICC after the Device receives the OPEN CHANNEL proactive command while accessing E-UTRAN/EPC. The TERMINAL RESPONSE sent back to the UICC is the result of the Device and the network capabilities against requested parameters by the UICC.

### NOTE 1:

All BIP tests (OPEN CHANNEL, CLOSE CHANNEL, SEND DATA, RECEIVE DATA, GET CHANNEL STATUS, EVENT DOWNLOAD DATA AVAILABLE, EVENT DOWNLOAD CHANNEL STATUS ON A LINK DROPPED) may use the Verizon Wireless default APN "vzwadmin" instead of the "TestGp.rs" to ease the preparation of the device under test for BIP testing (UE's might require that the used APN is available also in its non-volatile memory)

NOTE 2: Test 4.44a (27.22.4.27.6 Seq. 6.4) requires that the ME provides means to reject the proactive command, e.g. via an MMI which allows the user to reject the proactive command when the Alpha Identifier is displayed or if the device does not have a display or keypad the UE shall be configured to reject the command. If no such means are available, the test shall not be executed.





## 4.42 OPEN CHANNEL VZ\_TC\_USIMISIMINT\_6214

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

*Note 1: The test cases 44, 44b and 44c are not yet a part of 3GPP 31.124 Rel 9 revisions, the descriptions of the tests are provided after the table.*

*Note 2: If the Device under test is of Type ND (No Display capabilities), the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified during test execution. See also TS 31.124, cl.3.4, TCEP001.*

OPEN CHANNEL, immediate link establishment, E-UTRAN, bearer type 'oB'  
Void Part of GCF Certification

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
4.42	42	27.22.4.27.6	2

### Test Purpose

To verify that the Device shall send a:

- TERMINAL RESPONSE (OK); or
- TERMINAL RESPONSE (Command performed with modification); or
- TERMINAL RESPONSE (device currently unable to process command); to the UICC after the Device receives the OPEN CHANNEL proactive command while accessing E-UTRAN/EPC. The TERMINAL RESPONSE sent back to the UICC is the result of the Device and the network capabilities against requested parameters by the UICC.

### NOTE 1:

All BIP tests (OPEN CHANNEL, CLOSE CHANNEL, SEND DATA, RECEIVE DATA, GET CHANNEL STATUS, EVENT DOWNLOAD DATA AVAILABLE, EVENT DOWNLOAD CHANNEL STATUS ON A LINK DROPPED) may use the Verizon Wireless default APN "vzwadmin" instead of the "TestGp.rs" to ease the preparation of the device under test for BIP testing (UE's might require that the used APN is available also in its non-volatile memory)

NOTE 2: Test 4.44a (27.22.4.27.6 Seq. 6.4) requires that the ME provides means to reject the proactive command, e.g. via an MMI which allows the user to reject the proactive command when the Alpha Identifier is displayed or if the device does not have a display or keypad the UE shall be configured to reject the command. If no such means are available, the test shall not be executed.

## 4.43 OPEN CHANNEL VZ\_TC\_USIMISIMINT\_6215

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

*Note 1: The test cases 44, 44b and 44c are not yet a part of 3GPP 31.124 Rel 9 revisions, the descriptions of the tests are provided after the table.*

*Note 2: If the Device under test is of Type ND (No Display capabilities), the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified during test execution. See also TS 31.124, cl.3.4, TCEP001.*

OPEN CHANNEL, immediate link establishment, E-UTRAN, bearer type 'oB', with Network Access Name (27.22.4.27.6 TC 6.2, Open Channel 6.2.2)

Void Part of GCF Certification

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
4.43	43	27.22.4.27.6	2

### Test Purpose

To verify that the Device shall send a:

- TERMINAL RESPONSE (OK); or
- TERMINAL RESPONSE (Command performed with modification); or
- TERMINAL RESPONSE (device currently unable to process command); to the UICC after the Device receives the OPEN CHANNEL proactive command while accessing E-UTRAN/EPC. The TERMINAL RESPONSE sent back to the UICC is the result of the Device and the network capabilities against requested parameters by the UICC.

NOTE 1:

All BIP tests (OPEN CHANNEL, CLOSE CHANNEL, SEND DATA, RECEIVE DATA, GET CHANNEL STATUS, EVENT DOWNLOAD DATA AVAILABLE, EVENT DOWNLOAD CHANNEL STATUS ON A LINK DROPPED) may use the Verizon Wireless default APN "vzwadmin" instead of the "TestGp.rs" to ease the preparation of the device under test for BIP testing (UE's might require that the used APN is available also in its non-volatile memory)

NOTE 2: Test 4.44a (27.22.4.27.6 Seq. 6.4) requires that the ME provides means to reject the proactive command, e.g. via an MMI which allows the user to reject the proactive command when the Alpha Identifier is displayed or if the device does not have a display or keypad the UE shall be configured to reject the command. If no such means are available, the test shall not be executed.

## 4.44 OPEN CHANNEL VZ\_TC\_USIMISIMINT\_6216

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

*Note 1: The test cases 44, 44b and 44c are not yet a part of 3GPP 31.124 Rel 9 revisions, the descriptions of the tests are provided after the table.*

*Note 2: If the Device under test is of Type ND (No Display capabilities), the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified during test execution. See also TS 31.124, cl.3.4, TCEP001.*

OPEN CHANNEL, immediate link establishment, E-UTRAN, bearer type 'oB', with alpha identifier (Refer to Expected Sequence below)

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
4.44	44		

### Test Purpose

To verify that the Device shall send a:

- TERMINAL RESPONSE (OK); or
- TERMINAL RESPONSE (Command performed with modification); or
- TERMINAL RESPONSE (device currently unable to process command); to the UICC after the Device receives the OPEN CHANNEL proactive command while accessing E-UTRAN/EPC. The TERMINAL RESPONSE sent back to the UICC is the result of the Device and the network capabilities against requested parameters by the UICC.

NOTE 1:

All BIP tests (OPEN CHANNEL, CLOSE CHANNEL, SEND DATA, RECEIVE DATA, GET CHANNEL STATUS, EVENT DOWNLOAD DATA AVAILABLE, EVENT DOWNLOAD CHANNEL STATUS ON A LINK DROPPED) may use the Verizon Wireless default APN "vzwadmin" instead of the "TestGp.rs" to ease the preparation of the device under test for BIP testing (UE's might require that the used APN is available also in its non-volatile memory)

NOTE 2: Test 4.44a (27.22.4.27.6 Seq. 6.4) requires that the ME provides means to reject the proactive command, e.g. via an MMI which allows the user to reject the proactive command when the Alpha Identifier is displayed or if the device does not have a display or keypad the UE shall be configured to reject the command. If no such means are available, the test shall not be executed.

**Expected Sequence 6.x (OPEN CHANNEL, immediate link establishment, E-UTRAN, bearer type 'oB', with alpha identifier)**

Step	Direction	MESSAGE / Action	Comments
1	USER ® ME	Set and configure APN "TestGp.rs" in the terminal configuration if required	[see initial conditions]
2	UICC ® ME	PROACTIVE COMMAND PENDING: OPEN CHANNEL 6.x.1	
3	ME ® UICC	FETCH	
4	UICC ® ME	PROACTIVE COMMAND : OPEN CHANNEL 6.x.1	
5	ME ® USER	The terminal shall display the alpha identifier "Open Channel for UICC?" during the confirmation phase	[IF NOT A.1/84 (No display) THEN the terminal shall ignore the alpha identifier]
6	USER ® ME	The user confirms	[IF NOT A.1/85 (No keypad) THEN the terminal may open the channel without explicit confirmation by the user]
7	ME ® E-USS	PDN CONNECTIVITY REQUEST	[The PDN CONNECTIVITY REQUEST shall contain the APN "TestGp.rs"]
8	USS ® ME	ACTIVATE DEFAULT EPS BEARER CONTEXT REQUEST	[The E-UTRAN parameters are used]
8	ME ® E-USS	ACTIVATE DEFAULT EPS BEARER CONTEXT ACCEPT	
9	ME ® UICC	TERMINAL RESPONSE : OPEN CHANNEL 6.x.1	[Command performed successfully]

**PROACTIVE COMMAND: OPEN CHANNEL 6.x.1**

Logically:

Command details

Command number: 1  
 Command type: OPEN CHANNEL  
 Command qualifier: immediate link establishment, no automatic reconnection

Device identities

Source device: UICC  
 Destination device: ME

Alpha Identifier: "Open Channel for UICC?"

Bearer

Bearer type: E-UTRAN / mapped UTRAN packet service  
 QCI 9  
 Maximum bit rate for uplink: ○ (Subscribed maximum bit rate for uplink)  
 Maximum bit rate for downlink: ○ (Subscribed maximum bit rate for downlink)  
 Guaranteed bit rate for uplink: ○ (Use the value indicated by the maximum bit rate for uplink)  
 Guaranteed bit rate for downlink: ○ (Use the value indicated by the maximum bit rate for downlink)  
 Maximum bit rate for uplink (extended): ○  
 Maximum bit rate for downlink (extended): ○

Guaranteed bit rate for uplink (extended): 0  
 Guaranteed bit rate for downlink (extended): 0  
 PDN Type: IP  
 Buffer  
 Buffer size: 1400  
 Network access name: TestGprs  
 Text String: "UserLog" (User login)  
 Text String: "UserPwd" (User password)  
 UICC/ME interface transport level  
 Transport format: TCP  
 Port number: 44444  
 Data destination address 01.01.01.01  
 Coding:

BER-TLV:	Do	5E	81	03	01	40	01	82	02	81	82	85
16	4F	70	65	6E	20	43	68	61	6E	6E	65	
6C	20	66	6F	72	20	55	49	43	43	3F	35	
0B	0B	09	00	00	00	00	00	00	00	00	02	
39	02	05	78	47	0A	06	54	65	73	74	47	
70	02	72	73	0D	08	F4	55	73	65	72	4C	
6F	67	0D	08	F4	55	73	65	72	50	77	64	
3C	03	02	AD	9C	3E	05	21	01	01	01	01	

#### TERMINAL RESPONSE: OPEN CHANNEL 6.x.1

Logically:

##### Command details

Command number: 1  
 Command type: OPEN CHANNEL  
 Command qualifier: immediate link establishment, no automatic reconnection

##### Device identities

Source device: ME  
 Destination device: UICC

##### Result

General Result: Command performed successfully  
 Channel status: Channel identifier 1 and link established or PDP context activated

##### Bearer

Bearer type: E-UTRAN / mapped UTRAN packet service  
 QCI: 9  
 PDN Type: IP

##### Buffer

Buffer size: 1400

Coding:

BER-TLV:	81	03	01	40	01	82	02	82	81	83	01	00
38	02	81	00	35	03	0B	09	02	39	02	05	
78												





#### 4.44 a OPEN CHANNEL VZ\_TC\_USIMISIMINT\_6217

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

*Note 1: The test cases 44, 44b and 44c are not yet a part of 3GPP 31.124 Rel 9 revisions, the descriptions of the tests are provided after the table.*

*Note 2: If the Device under test is of Type ND (No Display capabilities), the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified during test execution. See also TS 31.124, cl.3.4, TCEP001.*

OPEN CHANNEL, immediate link establishment, E-UTRAN, bearer type '03', with alpha identifier, user did not accept the proactive command

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
4.44a	44a	27.22.4.27.6	4

##### Test Purpose

To verify that the Device shall send a:

- TERMINAL RESPONSE (OK); or
- TERMINAL RESPONSE (Command performed with modification); or
- TERMINAL RESPONSE (device currently unable to process command); to the UICC after the Device receives the OPEN CHANNEL proactive command while accessing E-UTRAN/EPC. The TERMINAL RESPONSE sent back to the UICC is the result of the Device and the network capabilities against requested parameters by the UICC.

##### NOTE 1:

All BIP tests (OPEN CHANNEL, CLOSE CHANNEL, SEND DATA, RECEIVE DATA, GET CHANNEL STATUS, EVENT DOWNLOAD DATA AVAILABLE, EVENT DOWNLOAD CHANNEL STATUS ON A LINK DROPPED) may use the Verizon Wireless default APN "vzwadmin" instead of the "TestGp.rs" to ease the preparation of the device under test for BIP testing (UE's might require that the used APN is available also in its non-volatile memory)

NOTE 2: Test 4.44a (27.22.4.27.6 Seq. 6.4) requires that the ME provides means to reject the proactive command, e.g. via an MMI which allows the user to reject the proactive command when the Alpha Identifier is displayed or if the device does not have a display or keypad the UE shall be configured to reject the command. If no such means are available, the test shall not be executed.



## 4.44 b OPEN CHANNEL VZ\_TC\_USIMISIMINT\_6218

(Refer to additional details in section 4.1 below)

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

*Note 1: The test cases 44, 44b and 44c are not yet a part of 3GPP 31.124 Rel 9 revisions, the descriptions of the tests are provided after the table.*

*Note 2: If the Device under test is of Type ND (No Display capabilities), the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified during test execution. See also TS 31.124, cl.3.4, TCEP001.*

OPEN CHANNEL related to packet data service bearer (bearer description - default bearer with UDP connection)

(Refer to Expected Sequence below)

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
4.44b	44b		

### Test Purpose

To verify that the Device shall send a:  
- TERMINAL RESPONSE (OK); or

- TERMINAL RESPONSE (Command performed with modification); or
- TERMINAL RESPONSE (device currently unable to process command); to the UICC after the Device receives the OPEN CHANNEL proactive command while accessing E-UTRAN/EPC. The TERMINAL RESPONSE sent back to the UICC is the result of the Device and the network capabilities against requested parameters by the UICC.

NOTE 1:

All BIP tests (OPEN CHANNEL, CLOSE CHANNEL, SEND DATA, RECEIVE DATA, GET CHANNEL STATUS, EVENT DOWNLOAD DATA AVAILABLE, EVENT DOWNLOAD CHANNEL STATUS ON A LINK DROPPED) may use the Verizon Wireless default APN "vzwadmin" instead of the "TestGp.rs" to ease the preparation of the device under test for BIP testing (UE's might require that the used APN is available also in its non-volatile memory)

NOTE 2: Test 4.44a (27.22.4.27.6 Seq. 6.4) requires that the ME provides means to reject the proactive command, e.g. via an MMI which allows the user to reject the proactive command when the Alpha Identifier is displayed or if the device does not have a display or keypad the UE shall be configured to reject the command. If no such means are available, the test shall not be executed.

**Expected Sequence 6.6 (OPEN CHANNEL, immediate link establishment, bearer type "Default bearer" over UDP connection)**

27.22.4.27.6 Open Channel

27.22.4.27.x.1 Definition and applicability

See clause 3.2.2.

27.22.4.27.x.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15] clause 5.2, clauses 6.4.27 and 6.6.27, clause 8.6, clause 8.7, clause 9.2, clause 8.2, clause 8.15, clause 8.52, clause 8.59, clause 8.61,
- TS 23.107 [aa], cl 9.1.2.2, clause 9.1.2.3,
- TS 23.203 [bb], cl 6.1.7.2,
- TS 24.301 [cc], cl 9.9.4.3,
- TS 36.508 [dd], cl 6.6.1.

27.22.4.27.x.3 Test purpose

To verify that the ME shall send a:

- TERMINAL RESPONSE (OK); or
- TERMINAL RESPONSE (Command performed with modification); or
- TERMINAL RESPONSE (User did not accept the proactive command);
- TERMINAL RESPONSE (ME currently unable to process command);

to the UICC after the ME receives the OPEN CHANNEL proactive command while accessing any data network available. The TERMINAL RESPONSE sent back to the UICC is the result of the ME and the network capabilities against requested parameters by the UICC.

27.22.4.27.x.4 Method of test

27.22.4.27.x.4.1 Initial conditions

The ME is connected to the USIM Simulator and the E-USS. Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The default E-UTRAN/EPC UICC, the default E-UTRAN parameters and the following parameters are used:

Network access name: TestGp.rs  
User login: UserLog  
User password: UserPwd

UICC/ME interface transport level  
Transport format: TCP  
Port number: 44444

Data destination address: 01.01.01.01

The Channel identifier value used for these tests is set to 1 as an example.

This channel identifier is dependent on the MEs default channel identifier as declared in table A.2/27.

Prior to test case execution the apparatus supplier shall have provided the "Preferred buffer size supported by the terminal for Open Channel command" as requested in table A.2/29.

Pre-condition for successful execution of expected sequence x.1:

If the terminal does not support the execution of an Open Channel command when no Network Access Name TLV is present in the proactive command and when no default Access Point Name is set in the terminal configuration (s.a. table A.1/48), then "TestGp.rs" shall be set and activated as default Access Point Name in the terminal configuration prior to execution of the proactive command in expected sequence 6.6.

27.22.4.27.x.4

Method of test

**Expected Sequence 6.6 (OPEN CHANNEL, immediate link establishment, default bearer)**

Step	Direction	MESSAGE / Action	Comments
1	USER ® ME	Set and activate APN "TestGp.rs" in the terminal configuration if required	[see initial conditions]
2	UICC ® ME	PROACTIVE COMMAND PENDING: OPEN CHANNEL 6.1.1	
3	ME ® UICC	FETCH	
4	UICC ® ME	PROACTIVE COMMAND : OPEN CHANNEL 6.1.1	
5	ME ® user	The ME may display channel opening information	
6	ME ® USS	PDN CONNECTIVITY REQUEST	
7	E-USS ® ME	ACTIVATE DEFAULT BEARER CONTEXT REQUEST	
8	ME ® E-USS	ACTIVATE DEFAULT BEARER CONTEXT ACCEPT	
9	ME ® UICC	TERMINAL RESPONSE : OPEN CHANNEL 6.1.1	[Command performed successfully]

**With Username/Password**

PROACTIVE COMMAND: OPEN CHANNEL

Logically:

Command details

Command number: 1  
Command type: OPEN CHANNEL  
Command qualifier: immediate link establishment, automatic reconnection

Device identities

Source device: UICC  
Destination device: ME

Alpha Identifier null data object

Bearer

Bearer type: DEFAULT BEARER FOR REQUESTED TRANSPORT LAYER

Buffer

Buffer size: 512

Network access name: TestGp.rs

Text String: UserLog (User login)

Text String: UserPwd (User password)

UICC/ME interface transport level

Transport format: UDP, UICC in client mode, remote connection

Port number: 53

Data destination address 01.01.01.01

Coding:

BER-TLV:	D0	3E	81	03	01	40	03	82	02	81	82	05
	00	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								

TERMINAL RESPONSE: OPEN CHANNEL

Logically:

Command details

Command number: 1  
Command type: OPEN CHANNEL  
Command qualifier: immediate link establishment, automatic reconnection

Device identities

Source device: ME  
Destination device: UICC

Result

General Result: Command performed successfully  
Channel status: Channel identifier 1 and link established or packet data service activated

Bearer description

Bearer type: DEFAULT BEARER FOR REQUESTED TRANSPORT LAYER

Buffer

Buffer size: 512

Coding:

BER-TLV:	81	03	01	40	03	82	02	82	81	83	01	00
	38	02	81	00	35	01	03	39	02	02	00	

**NO Username/Password**

PROACTIVE COMMAND: OPEN CHANNEL

Logically:

Command details

Command number: 1  
Command type: OPEN CHANNEL  
Command qualifier: immediate link establishment, automatic reconnection

Device identities

Source device: UICC  
Destination device: ME

Alpha Identifier

null data object

Bearer

Bearer type: DEFAULT BEARER FOR REQUESTED TRANSPORT LAYER

Buffer

Buffer size: 512

Network access name: TestGp.rs

UICC/ME interface transport level

Transport format: UDP, UICC in client mode, remote connection  
Port number: 53

Data destination address: 01.01.01.01

Coding:

BER-TLV:	D0	2A	81	03	01	40	03	82	02	81	82	05
	00	35	01	03	39	02	02	00	47	0A	06	54

	65	73	74	47	70	02	72	73	3C	03	01	00
	35	3E	05	21	01	01	01	01				

TERMINAL RESPONSE: OPEN CHANNEL

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment, automatic reconnection

Device identities

Source device: ME

Destination device: UICC

Result

General Result: Command performed successfully

Channel status: Channel identifier 1 and link established or packet data service activated

Bearer description

Bearer type: DEFAULT BEARER FOR REQUESTED TRANSPORT LAYER

Buffer

Buffer size: 512

Coding:

BER-TLV:	81	03	01	40	03	82	02	82	81	83	01	00
	38	02	81	00	35	01	03	39	02	02	00	

## 4.44 c OPEN CHANNEL VZ\_TC\_USIMISIMINT\_6219

(Refer to additional details in section 4.1 below)

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

*Note 1: The test cases 44, 44b and 44c are not yet a part of 3GPP 31.124 Rel 9 revisions, the descriptions of the tests are provided after the table.*

*Note 2: If the Device under test is of Type ND (No Display capabilities), the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified during test execution. See also TS 31.124, cl.3.4, TCEP001.*

OPEN CHANNEL related to packet data service bearer (bearer description - default bearer with TCP connection)

(Refer to Expected Sequence below)

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
4.44c	44c		

### Test Purpose

To verify that the Device shall send a:

- TERMINAL RESPONSE (OK); or
- TERMINAL RESPONSE (Command performed with modification); or
- TERMINAL RESPONSE (device currently unable to process command); to the UICC after the Device receives the OPEN CHANNEL proactive command while accessing E-UTRAN/EPC. The TERMINAL RESPONSE sent back to the UICC is the result of the Device and the network capabilities against requested parameters by the UICC.



NOTE 1:

All BIP tests (OPEN CHANNEL, CLOSE CHANNEL, SEND DATA, RECEIVE DATA, GET CHANNEL STATUS, EVENT DOWNLOAD DATA AVAILABLE, EVENT DOWNLOAD CHANNEL STATUS ON A LINK DROPPED) may use the Verizon Wireless default APN "vzwadmin" instead of the "TestGp.rs" to ease the preparation of the device under test for BIP testing (UE's might require that the used APN is available also in its non-volatile memory)

NOTE 2: Test 4.44a (27.22.4.27.6 Seq. 6.4) requires that the ME provides means to reject the proactive command, e.g. via an MMI which allows the user to reject the proactive command when the Alpha Identifier is displayed or if the device does not have a display or keypad the UE shall be configured to reject the command. If no such means are available, the test shall not be executed.

**Expected Sequence 6.7 (OPEN CHANNEL, immediate link establishment, bearer type "Default bearer" over TCP connection)**

27.22.4.27.6 Open Channel

27.22.4.27.x.1 Definition and applicability

See clause 3.2.2.

27.22.4.27.x.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15] clause 5.2, clauses 6.4.27 and 6.6.27, clause 8.6, clause 8.7, clause 9.2, clause 8.2, clause 8.15, clause 8.52, clause 8.59, clause 8.61,
- TS 23.107 [aa], cl 9.1.2.2, clause 9.1.2.3,
- TS 23.203 [bb], cl 6.1.7.2,
- TS 24.301 [cc], cl 9.9.4.3,
- TS 36.508 [dd], cl 6.6.1.

27.22.4.27.x.3 Test purpose

To verify that the ME shall send a:

- TERMINAL RESPONSE (OK); or
- TERMINAL RESPONSE (Command performed with modification); or
- TERMINAL RESPONSE (User did not accept the proactive command);
- TERMINAL RESPONSE (ME currently unable to process command);

to the UICC after the ME receives the OPEN CHANNEL proactive command while accessing any data network available. The TERMINAL RESPONSE sent back to the UICC is the result of the ME and the network capabilities against requested parameters by the UICC.

27.22.4.27.x.4 Method of test

27.22.4.27.x.4.1 Initial conditions

The ME is connected to the USIM Simulator and the E-USS. Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The default E-UTRAN/EPC UICC, the default E-UTRAN parameters and the following parameters are used:

Network access name: TestGp.rs  
User login: UserLog  
User password: UserPwd

UICC/ME interface transport level  
Transport format: TCP  
Port number: 44444

Data destination address: 01.01.01.01

The Channel identifier value used for these tests is set to 1 as an example.

This channel identifier is dependent on the MEs default channel identifier as declared in table A.2/27.

Prior to test case execution the apparatus supplier shall have provided the "Preferred buffer size supported by the terminal for Open Channel command" as requested in table A.2/29.

Pre-condition for successful execution of expected sequence x.1:

If the terminal does not support the execution of an Open Channel command when no Network Access Name TLV is present in the proactive command and when no default Access Point Name is set in the terminal configuration (s.a. table A.1/48), then "TestGp.rs" shall be set and activated as default Access Point Name in the terminal configuration prior to execution of the proactive command in expected sequence 6.7.

27.22.4.27.x.4 Method of test

**Expected Sequence 6.7 (OPEN CHANNEL, immediate link establishment, default bearer)**

Step	Direction	MESSAGE / Action	Comments
1	USER ® ME	Set and activate APN "TestGp.rs" in the terminal configuration if required	[see initial conditions]
2	UICC ® ME	PROACTIVE COMMAND PENDING: OPEN CHANNEL 6.1.1	
3	ME ® UICC	FETCH	
4	UICC ® ME	PROACTIVE COMMAND : OPEN CHANNEL 6.1.1	
5	ME ® user	The ME may display channel opening information	
6	ME ® USS	PDN CONNECTIVITY REQUEST	
7	E-USS ® ME	ACTIVATE DEFAULT BEARER CONTEXT REQUEST	
8	ME ® E-USS	ACTIVATE DEFAULT BEARER CONTEXT ACCEPT	
9	ME ® UICC	TERMINAL RESPONSE : OPEN CHANNEL 6.1.1	[Command performed successfully]

**With user name/password**

PROACTIVE COMMAND: OPEN CHANNEL

Logically:

Command details

Command number: 1  
Command type: OPEN CHANNEL  
Command qualifier: immediate link establishment, automatic reconnection

Device identities

Source device: UICC  
Destination device: ME

Alpha Identifier null data object

Bearer

Bearer type: DEFAULT BEARER FOR REQUESTED TRANSPORT LAYER

Buffer

Buffer size: 1400  
Network access name: TestGp.rs

Text String: UserLog (User login)

Text String: UserPwd (User password)

UICC/ME interface transport level

Transport format: TCP, UICC in client mode, remote connection

Port number: 443

Data destination address 01.01.01.01

Coding:

BER-TLV:	D0	3E	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	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								

TERMINAL RESPONSE: OPEN CHANNEL

Logically:

Command details

Command number: 1  
Command type: OPEN CHANNEL  
Command qualifier: immediate link establishment, automatic reconnection

Device identities

Source device: ME  
Destination device: UICC

Result

General Result: Command performed successfully  
Channel status: Channel identifier 1 and link established or packet data service activated

Bearer description

Bearer type: DEFAULT BEARER FOR REQUESTED TRANSPORT LAYER

Buffer

Buffer size: 1400

Coding:

BER-TLV:	81	03	01	40	03	82	02	82	81	83	01	00
	38	02	81	00	35	01	03	39	02	05	78	

No Username/Password

PROACTIVE COMMAND: OPEN CHANNEL

Logically:

Command details

Command number: 1  
Command type: OPEN CHANNEL  
Command qualifier: immediate link establishment, automatic reconnection

Device identities

Source device: UICC  
Destination device: ME

Alpha Identifier

null data object

Bearer

Bearer type: DEFAULT BEARER FOR REQUESTED TRANSPORT LAYER

Buffer

Buffer size: 1400

Network access name: TestGp.rs

UICC/ME interface transport level

Transport format: TCP, UICC in client mode, remote connection  
Port number: 443

Data destination address: 01.01.01.01

Coding:

BER-TLV:	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				

TERMINAL RESPONSE: OPEN CHANNEL

Logically:

Command details

Command number: 1  
Command type: OPEN CHANNEL  
Command qualifier: immediate link establishment, automatic reconnection

Device identities

Source device: ME  
Destination device: UICC

Result

General Result: Command performed successfully  
Channel status: Channel identifier 1 and link established or packet data service activated

Bearer description

Bearer type: DEFAULT BEARER FOR REQUESTED TRANSPORT LAYER

Buffer

Buffer size: 1400

Coding:

BER-TLV:	81	03	01	40	03	82	02	82	81	83	01	00
	38	02	81	00	35	01	03	39	02	05	78	

27.22.4.27.x.5 Test requirement

The ME shall operate in the manner defined in expected sequences 6.1 to 6.5.

## 4.44 d OPEN CHANNEL VZ\_TC\_USIMISIMINT\_6220

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

*Note 1: The test cases 44, 44b and 44c are not yet a part of 3GPP 31.124 Rel 9 revisions, the descriptions of the tests are provided after the table.*

*Note 2: If the Device under test is of Type ND (No Display capabilities), the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified during test execution. See also TS 31.124, cl.3.4, TCEP001.*

OPEN CHANNEL, immediate link establishment, E-UTRAN, bearer type 03 Default EPS bearer

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
4.44d	44d	27.22.4.27.6	5

### Test Purpose

To verify that the Device shall send a:

- TERMINAL RESPONSE (OK); or
- TERMINAL RESPONSE (Command performed with modification); or
- TERMINAL RESPONSE (device currently unable to process command); to the UICC after the Device receives the OPEN CHANNEL proactive command while accessing E-UTRAN/EPC. The TERMINAL RESPONSE sent back to the UICC is the result of the Device and the network capabilities against requested parameters by the UICC.

### NOTE 1:

All BIP tests (OPEN CHANNEL, CLOSE CHANNEL, SEND DATA, RECEIVE DATA, GET CHANNEL STATUS, EVENT DOWNLOAD DATA AVAILABLE, EVENT DOWNLOAD CHANNEL STATUS ON A LINK DROPPED) may use the Verizon Wireless default APN "vzwadmin" instead of the "TestGp.rs" to ease the preparation of the device under test for BIP testing (UE's might require that the used APN is available also in its non-volatile memory)

NOTE 2: Test 4.44a (27.22.4.27.6 Seq. 6.4) requires that the ME provides means to reject the proactive command, e.g. via an MMI which allows the user to reject the proactive command when the Alpha Identifier is displayed or if the device does not have a display or keypad the UE shall be configured to reject the command. If no such means are available, the test shall not be executed.



## 4.45 CLOSE CHANNEL VZ\_TC\_USIMISIMINT\_6221

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

*Note 1: The test cases 44, 44b and 44c are not yet a part of 3GPP 31.124 Rel 9 revisions, the descriptions of the tests are provided after the table.*

*Note 2: If the Device under test is of Type ND (No Display capabilities), the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified during test execution. See also TS 31.124, cl.3.4, TCEP001.*

CLOSE CHANNEL, Default EPS bearer, successful  
Void Part of GCF Certification

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
4.45	45	27.22.4.28.3	1

### Test Purpose

To verify that the Device shall send a:

- TERMINAL RESPONSE (Command Performed Successfully); or
- TERMINAL RESPONSE (Bearer Independent Protocol Error);

to the UICC after the Device receives the CLOSE CHANNEL proactive command. The TERMINAL RESPONSE sent back to the UICC is function of the Device and the network capabilities against asked parameters by the UICC.

## 4.45 a CLOSE CHANNEL VZ\_TC\_USIMISIMINT\_6222

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

*Note 1: The test cases 44, 44b and 44c are not yet a part of 3GPP 31.124 Rel 9 revisions, the descriptions of the tests are provided after the table.*

*Note 2: If the Device under test is of Type ND (No Display capabilities), the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified during test execution. See also TS 31.124, cl.3.4, TCEP001.*

CLOSE CHANNEL, EPS bearer with APN different from default APN, successful  
Void Part of GCF Certification

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
4.45a	45a	27.22.4.28.3	2

### Test Purpose

To verify that the Device shall send a:

- TERMINAL RESPONSE (Command Performed Successfully); or
- TERMINAL RESPONSE (Bearer Independent Protocol Error);

to the UICC after the Device receives the CLOSE CHANNEL proactive command. The TERMINAL RESPONSE sent back to the UICC is function of the Device and the network capabilities against asked parameters by the UICC.



## 4.46 CLOSE CHANNEL VZ\_TC\_USIMISIMINT\_6223

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

*Note 1: The test cases 44, 44b and 44c are not yet a part of 3GPP 31.124 Rel 9 revisions, the descriptions of the tests are provided after the table.*

*Note 2: If the Device under test is of Type ND (No Display capabilities), the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified during test execution. See also TS 31.124, cl.3.4, TCEP001.*

CLOSE CHANNEL, with an invalid channel identifier

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
4.46	46	27.22.4.28.1	2

### Test Purpose

To verify that the Device shall send a:

- TERMINAL RESPONSE (Command Performed Successfully); or
- TERMINAL RESPONSE (Bearer Independent Protocol Error);

to the UICC after the Device receives the CLOSE CHANNEL proactive command. The TERMINAL RESPONSE sent back to the UICC is function of the Device and the network capabilities against asked parameters by the UICC.

## 4.47 CLOSE CHANNEL VZ\_TC\_USIMISIMINT\_6224

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

*Note 1: The test cases 44, 44b and 44c are not yet a part of 3GPP 31.124 Rel 9 revisions, the descriptions of the tests are provided after the table.*

*Note 2: If the Device under test is of Type ND (No Display capabilities), the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified during test execution. See also TS 31.124, cl.3.4, TCEP001.*

CLOSE CHANNEL, on an already closed channel

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
4.47	47	27.22.4.28.1	3

### Test Purpose

To verify that the Device shall send a:

- TERMINAL RESPONSE (Command Performed Successfully); or
- TERMINAL RESPONSE (Bearer Independent Protocol Error);

to the UICC after the Device receives the CLOSE CHANNEL proactive command. The TERMINAL RESPONSE sent back to the UICC is function of the Device and the network capabilities against asked parameters by the UICC.

## 4.48 RECEIVE DATA VZ\_TC\_USIMISIMINT\_6225

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

*Note 1: The test cases 44, 44b and 44c are not yet a part of 3GPP 31.124 Rel 9 revisions, the descriptions of the tests are provided after the table.*

RECEIVE DATA, already opened channel, E-UTRAN, APN different from default)  
Void Part of GCF Certification

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
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4.48	48	27.22.4.29.1	2
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To verify that the Device shall send a:

- TERMINAL RESPONSE (Command Performed Successfully); or
- TERMINAL RESPONSE (ME currently unable to process command); or
- TERMINAL RESPONSE (Bearer Independent Protocol Error);

to the UICC after the Device receives the RECEIVE DATA proactive command. The TERMINAL RESPONSE sent back to the UICC is function of the Device and the network capabilities against asked parameters by the UICC

*Note 2: If the Device under test is of Type ND (No Display capabilities), the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified during test execution. See also TS 31.124, cl.3.4, TCEP001.*

## 4.49 SEND DATA VZ\_TC\_USIMISIMINT\_6226

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

*Note 1: The test cases 44, 44b and 44c are not yet a part of 3GPP 31.124 Rel 9 revisions, the descriptions of the tests are provided after the table.*

*Note 2: If the Device under test is of Type ND (No Display capabilities), the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified during test execution. See also TS 31.124, cl.3.4, TCEP001.*

SEND DATA, E-UTRAN, Default EPS bearer, immediate mode  
Void Part of GCF Certification

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
4.49	49	27.22.4.30.3	1

### Test Purpose

To verify that the Device shall send a:

- TERMINAL RESPONSE (Command Performed Successfully); or
- TERMINAL RESPONSE (ME currently unable to process command); or
- TERMINAL RESPONSE (Bearer Independent Protocol Error);

NOTE: Run test without Alpha ID.

## 4.5 SEND DATA VZ\_TC\_USIMISIMINT\_6227

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

*Note 1: The test cases 44, 44b and 44c are not yet a part of 3GPP 31.124 Rel 9 revisions, the descriptions of the tests are provided after the table.*

*Note 2: If the Device under test is of Type ND (No Display capabilities), the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified during test execution. See also TS 31.124, cl.3.4, TCEP001.*

SEND DATA, E-UTRAN, APN different from default APN, Store mode  
Void Part of GCF Certification

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
4.50	50	27.22.4.30.3	2

### Test Purpose

To verify that the Device shall send a:

- TERMINAL RESPONSE (Command Performed Successfully); or
- TERMINAL RESPONSE (ME currently unable to process command); or
- TERMINAL RESPONSE (Bearer Independent Protocol Error);

NOTE: Run test without Alpha ID.

## 4.5<sup>1</sup> SEND DATA VZ\_TC\_USIMISIMINT\_6228

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

*Note 1: The test cases 44, 44b and 44c are not yet a part of 3GPP 31.124 Rel 9 revisions, the descriptions of the tests are provided after the table.*

*Note 2: If the Device under test is of Type ND (No Display capabilities), the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified during test execution. See also TS 31.124, cl.3.4, TCEP001.*

SEND DATA, Store mode, Tx buffer fully used

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
4.5 <sup>1</sup>	5 <sup>1</sup>	27.22.4.30.1	3

### Test Purpose

To verify that the Device shall send a:

- TERMINAL RESPONSE (Command Performed Successfully); or
- TERMINAL RESPONSE (ME currently unable to process command); or
- TERMINAL RESPONSE (Bearer Independent Protocol Error);

NOTE: Run test without Alpha ID.

## 4.52 SEND DATA VZ\_TC\_USIMISIMINT\_6229

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

*Note 1: The test cases 44, 44b and 44c are not yet a part of 3GPP 31.124 Rel 9 revisions, the descriptions of the tests are provided after the table.*

*Note 2: If the Device under test is of Type ND (No Display capabilities), the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified during test execution. See also TS 31.124, cl.3.4, TCEP001.*

SEND DATA, 2 consecutive SEND DATA Store mode

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
4.52	52	27.22.4.30.1	4

### Test Purpose

To verify that the Device shall send a:

- TERMINAL RESPONSE (Command Performed Successfully); or
- TERMINAL RESPONSE (ME currently unable to process command); or
- TERMINAL RESPONSE (Bearer Independent Protocol Error);

NOTE: Run test without Alpha ID.



## 4.53 SEND DATA VZ\_TC\_USIMISIMINT\_6230

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

*Note 1: The test cases 44, 44b and 44c are not yet a part of 3GPP 31.124 Rel 9 revisions, the descriptions of the tests are provided after the table.*

*Note 2: If the Device under test is of Type ND (No Display capabilities), the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified during test execution. See also TS 31.124, cl.3.4, TCEP001.*

SEND DATA, immediate mode with a bad channel identifier

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
4.53	53	27.22.4.30.1	5

### Test Purpose

To verify that the Device shall send a:

- TERMINAL RESPONSE (Command Performed Successfully); or
- TERMINAL RESPONSE (ME currently unable to process command); or
- TERMINAL RESPONSE (Bearer Independent Protocol Error);

NOTE: Run test without Alpha ID.

## 4.54 GET CHANNEL STATUS VZ\_TC\_USIMISIMINT\_6231

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

*Note 1: The test cases 44, 44b and 44c are not yet a part of 3GPP 31.124 Rel 9 revisions, the descriptions of the tests are provided after the table.*

*Note 2: If the Device under test is of Type ND (No Display capabilities), the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified during test execution. See also TS 31.124, cl.3.4, TCEP001.*

GET CHANNEL STATUS, without any BIP channel opened

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
4.54	54	27.22.4.31.1	1

### Test Purpose

To verify that the Device shall send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC after the Device receives the GET STATUS proactive command. The TERMINAL RESPONSE sent back to the UICC is function of the Device and the network capabilities against asked parameters by the UICC

NOTE: Run test without Alpha ID.

## 4.55 GET CHANNEL STATUS VZ\_TC\_USISIMINT\_6232

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

*Note 1: The test cases 44, 44b and 44c are not yet a part of 3GPP 31.124 Rel 9 revisions, the descriptions of the tests are provided after the table.*

*Note 2: If the Device under test is of Type ND (No Display capabilities), the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified during test execution. See also TS 31.124, cl.3.4, TCEP001.*

GET CHANNEL STATUS, EPS bearer with APN different from default APN  
Void Part of GCF Certification

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
4.55	55	27.22.4.31.1	4

### Test Purpose

To verify that the Device shall send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC after the Device receives the GET STATUS proactive command. The TERMINAL RESPONSE sent back to the UICC is function of the Device and the network capabilities against asked parameters by the UICC

NOTE: Run test without Alpha ID.

## 4.56 GET CHANNEL STATUS VZ\_TC\_USISIMINT\_6233

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

*Note 1: The test cases 44, 44b and 44c are not yet a part of 3GPP 31.124 Rel 9 revisions, the descriptions of the tests are provided after the table.*

GET CHANNEL STATUS, EPS bearer with APN different from default APN, after a link dropped  
Void Part of GCF Certification

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
4.56	56	27.22.4.31.1	5

*Note 2: If the Device under test is of Type ND (No Display capabilities), the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified during test execution. See also TS 31.124, cl.3.4, TCEP001.*

### Test Purpose

To verify that the Device shall send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC after the Device receives the GET STATUS proactive command. The TERMINAL RESPONSE sent back to the UICC is function of the Device and the network capabilities against asked parameters by the UICC

NOTE: Run test without Alpha ID.

## 4.57 SMS-PP Data Download over IMS VZ\_TC\_USIMISIMINT\_6234

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

*Note 1: The test cases 44, 44b and 44c are not yet a part of 3GPP 31.124 Rel 9 revisions, the descriptions of the tests are provided after the table.*

*Note 2: If the Device under test is of Type ND (No Display capabilities), the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified during test execution. See also TS 31.124, cl.3.4, TCEP001.*

SMS-PP Data Download over IMS, General Data Coding, Acknowledgement

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
4.57	57	27.22.5.3	1

### Test Purpose

To verify that the Device transparently passes the "data download via SMS Point-to-point" messages which have been received over IMS to the UICC.

To verify that the Device returns the RP-ACK message back to the E-USS, if the UICC responds with 90 00 or 91 XX. In case of IMS the RP-ACK message is contained in the SIP MESSAGE for the SM delivery report.

To verify that the Device returns the RP-ERROR message in the SIP MESSAGE for the SM delivery report to the E-USS, if the UICC responds with '62 XX' or '63 XX'. In case of IMS the RP-ERROR message is contained in the SIP MESSAGE for the SM delivery report. To verify that the Device returns available response data from the UICC in the TP-User-Data element of the RP-ACK message back to the E-USS. In case of the IMS the RP-ACK message is contained in the SIP MESSAGE for the SM delivery report.

## 4.58 SMS-PP Data Download over IMS VZ\_TC\_USIMISIMINT\_6235

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

*Note 1: The test cases 44, 44b and 44c are not yet a part of 3GPP 31.124 Rel 9 revisions, the descriptions of the tests are provided after the table.*

*Note 2: If the Device under test is of Type ND (No Display capabilities), the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified during test execution. See also TS 31.124, cl.3.4, TCEP001.*

SMS-PP Data Download over IMS, General Data Coding FETCH, MORE TIME

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
4.58	58	27.22.5.3	1

### Test Purpose

To verify that the Device transparently passes the "data download via SMS Point-to-point" messages which have been received over IMS to the UICC.

To verify that the Device returns the RP-ACK message back to the E-USS, if the UICC responds with 90 00 or 91 XX. In case of IMS the RP-ACK message is contained in the SIP MESSAGE for the SM delivery report.

To verify that the Device returns the RP-ERROR message in the SIP MESSAGE for the SM delivery report to the E-USS, if the UICC responds with '62 XX' or '63 XX'. In case of IMS the RP-ERROR message is contained in the SIP MESSAGE for the SM delivery report. To verify that the Device returns available response data from the UICC in the TP-User-Data element of the RP-ACK message back to the E-USS. In case of the IMS the RP-ACK message is contained in the SIP MESSAGE for the SM delivery report.

## 4.59 SMS-PP Data Download over IMS VZ\_TC\_USIMISIMINT\_6236

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

*Note 1: The test cases 44, 44b and 44c are not yet a part of 3GPP 31.124 Rel 9 revisions, the descriptions of the tests are provided after the table.*

*Note 2: If the Device under test is of Type ND (No Display capabilities), the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified during test execution. See also TS 31.124, cl.3.4, TCEP001.*

SMS-PP Data Download over IMS, with Data Coding / Message Class

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
4.59	59	27.22.5.3	1

### Test Purpose

To verify that the Device transparently passes the "data download via SMS Point-to-point" messages which have been received over IMS to the UICC.

To verify that the Device returns the RP-ACK message back to the E-USS, if the UICC responds with 90 00 or 91 XX. In case of IMS the RP-ACK message is contained in the SIP MESSAGE for the SM delivery report.

To verify that the Device returns the RP-ERROR message in the SIP MESSAGE for the SM delivery report to the E-USS, if the UICC responds with '62 XX' or '63 XX'. In case of IMS the RP-ERROR message is contained in the SIP MESSAGE for the SM delivery report. To verify that the Device returns available response data from the UICC in the TP-User-Data element of the RP-ACK message back to the E-USS. In case of the IMS the RP-ACK message is contained in the SIP MESSAGE for the SM delivery report.

## 4.6o SMS-PP Data Download over IMS VZ\_TC\_USIMISIMINT\_6237

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

*Note 1: The test cases 44, 44b and 44c are not yet a part of 3GPP 31.124 Rel 9 revisions, the descriptions of the tests are provided after the table.*

*Note 2: If the Device under test is of Type ND (No Display capabilities), the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified during test execution. See also TS 31.124, cl.3.4, TCEP001.*

SMS-PP Data Download over IMS, General Data Coding, User Data Header payload

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number



4.60	60	27.22.5.3	1
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**Test Purpose**

To verify that the Device transparently passes the "data download via SMS Point-to-point" messages which have been received over IMS to the UICC.

To verify that the Device returns the RP-ACK message back to the E-USS, if the UICC responds with 90 00 or 91 XX. In case of IMS the RP-ACK message is contained in the SIP MESSAGE for the SM delivery report.

To verify that the Device returns the RP-ERROR message in the SIP MESSAGE for the SM delivery report to the E-USS, if the UICC responds with '62 XX' or '63 XX'. In case of IMS the RP-ERROR message is contained in the SIP MESSAGE for the SM delivery report. To verify that the Device returns available response data from the UICC in the TP-User-Data element of the RP-ACK message back to the E-USS. In case of the IMS the RP-ACK message is contained in the SIP MESSAGE for the SM delivery report.

## 4.65 EVENT DOWNLOAD

VZ\_TC\_USIMISIMINT\_6242

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 9: *Mobile Equipment (ME) conformance test specification*; *Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

*Note 1: The test cases 44, 44b and 44c are not yet a part of 3GPP 31.124 Rel 9 revisions, the descriptions of the tests are provided after the table.*

*Note 2: If the Device under test is of Type ND (No Display capabilities), the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified during test execution. See also TS 31.124, cl.3.4, TCEP001.*

EVENT DOWNLOAD -LOCATION STATUS, E-UTRAN  
Void Part of GCF Certification

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
4.65	65	27.22.7.4.1	2

### Test Purpose

To verify that the Device informs the UICC that an Event: MM\_IDLE state has occurred using the ENVELOPE (EVENT DOWNLOAD - Location Status) command

## 4.66 EVENT DOWNLOAD VZ\_TC\_USIMISIMINT\_6243

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

*Note 1: The test cases 44, 44b and 44c are not yet a part of 3GPP 31.124 Rel 9 revisions, the descriptions of the tests are provided after the table.*

*Note 2: If the Device under test is of Type ND (No Display capabilities), the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified during test execution. See also TS 31.124, cl.3.4, TCEP001.*

EVENT DOWNLOAD - Data available

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
4.66	66	27.22.7.10.1	1

### Test Purpose

To verify that the Device shall send an ENVELOPE (EVENT DOWNLOAD - Data available) to the UICC after the Device receives a packet of data from the server by the BIP channel previously opened

NOTE: Test shall be based on 27.22.7.10.1 Seq. 1.1, but be adapted for E-UTRAN

## 4.67 EVENT DOWNLOAD

VZ\_TC\_USIMISIMINT\_6244

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

*Note 1: The test cases 44, 44b and 44c are not yet a part of 3GPP 31.124 Rel 9 revisions, the descriptions of the tests are provided after the table.*

*Note 2: If the Device under test is of Type ND (No Display capabilities), the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified during test execution. See also TS 31.124, cl.3.4, TCEP001.*

EVENT DOWNLOAD - Channel Status on a link dropped

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
4.67	67	27.22.7.11	1

### Test Purpose

To verify that the Device shall send an ENVELOPE (EVENT DOWNLOAD - Channel Status) to the UICC after the link dropped between the NETWORK and the ME

NOTE: Test shall be based on 27.22.7.10.1 Seq. 1.1, but be adapted for E-UTRAN

## 4.68 EVENT DOWNLOAD

VZ\_TC\_USIMISIMINT\_6245

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

*Note 1: The test cases 44, 44b and 44c are not yet a part of 3GPP 31.124 Rel 9 revisions, the descriptions of the tests are provided after the table.*

*Note 2: If the Device under test is of Type ND (No Display capabilities), the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified during test execution. See also TS 31.124, cl.3.4, TCEP001.*

EVENT DOWNLOAD Network Rejection, ATTACH REJECT  
Void Part of GCF Certification

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
4.68	68	27.22.7.17	1

### Test Purpose

To verify that the ME informs the UICC with the Event Network Rejection about the Network Rejection.

To verify that the Rejection Cause Code sent to the UICC is the value from the EMM cause information element received from the E-UTRAN.

To verify that the correct Access Technology is indicated ENVELOPE: EVENT DOWNLOAD Network Rejection after the unsuccessful attempt to access the E-UTRAN.

To verify that the correct Update/Attach Type is indicated ENVELOPE: EVENT DOWNLOAD Network Rejection.

## 4.69 EVENT DOWNLOAD

VZ\_TC\_USIMISIMINT\_6246

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

*Note 1: The test cases 44, 44b and 44c are not yet a part of 3GPP 31.124 Rel 9 revisions, the descriptions of the tests are provided after the table.*

*Note 2: If the Device under test is of Type ND (No Display capabilities), the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified during test execution. See also TS 31.124, cl.3.4, TCEP001.*

EVENT DOWNLOAD Network Rejection, TRACKING AREA UPDATE REJECT  
Void Part of GCF Certification

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
4.69	69	27.22.7.17	2

### Test Purpose

To verify that the ME informs the UICC with the Event Network Rejection about the Network Rejection.

To verify that the Rejection Cause Code sent to the UICC is the value from the EMM cause information element received from the E-UTRAN.

To verify that the correct Access Technology is indicated ENVELOPE: EVENT DOWNLOAD Network Rejection after the unsuccessful attempt to access the E-UTRAN.

To verify that the correct Update/Attach Type is indicated ENVELOPE: EVENT DOWNLOAD Network Rejection.



## 4.7 Refresh VZ\_TC\_USIMISIMINT\_6247

VOID - Moved to B4 Test Plan

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 9: Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification and shall be executed as a part of compliance.

Note 1: The test cases 44, 44b and 44c are not yet a part of 3GPP 31.124 Rel 9 revisions, the descriptions of the tests are provided after the table.

Note 2: If the Device under test is of Type ND (No Display capabilities), the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified during test execution. See also TS 31.124, cl.3.4, TCEP001.

REFRESH, Steering of roaming, E-UTRAN  
Void Part of GCF Certification

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number



4.70	70	27.22.4.7.3	3
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***Test Purpose***

*To verify that the ME performs the Proactive Command REFRESH in accordance with the Command Qualifier. This shall require the ME to perform:*

- *the steering of roaming procedure,*
- *a successful return of the result of the execution of the command in the TERMINAL RESPONSE command send to the UICC.*

4.7<sup>1</sup> Retrieve DNS IP address VZ\_TC\_USIMISIMINT\_10264

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

*Note 1: The test cases 44, 44b and 44c are not yet a part of 3GPP 31.124 Rel 9 revisions, the descriptions of the tests are provided after the table.*

*Note 2: If the Device under test is of Type ND (No Display capabilities), the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified during test execution. See also TS 31.124, cl.3.4, TCEP001.*

**The device shall support DNS server IP address retrieval from the network.**

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
4.7 <sup>1</sup>	7 <sup>1</sup>		

GW UICC Device
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1
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2
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DNS Resolution req. with no IP address

Through the open channel command, Device shall establish a session with the PDN for the APN defined.

3
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Once receiving DNS IP address,

4
---

Device shall pass the IP address of DNS server to UICC in the terminal response

Design Steps
Step Name

Step 1

#### Pre-Conditions

null

#### Procedures

1. Enable RF with B13 MCC 001 MNC 010.
2. Power on Device and capture logs.
3. After device performs LTE Attach successfully, initiate OPEN CHANNEL using VZWADMIN APN with no IP address.

#### Expected Results

1. Device shall provide a Terminal Profile which has all corresponding bits for Rel 12 DNS and PDN Reuse set.  
(byte 33 value 03)
2. UICC shall send an initial OPEN CHANNEL request with no IP address set in the destination field.
3. Verify the device shall send the IP address of the DNS server to the UICC in the Terminal Response

#### 4 72-Test PDN re-use set to o VZ\_TC\_USIMISIMINT\_10265

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

*Note 1: The test cases 44, 44b and 44c are not yet a part of 3GPP 31.124 Rel 9 revisions, the descriptions of the tests are provided after the table.*

*Note 2: If the Device under test is of Type ND (No Display capabilities), the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified during test execution. See also TS 31.124, cl.3.4, TCEP001.*

**The device shall support DNS server IP address retrieval from the network.**

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
4.72	72		

Device UICC GW
----------------------

1
---

2
---

DNS Resolution req. with no IP address

Through the open channel command, Device shall  
establish a session with the PDN for the APN defined.

3
---

Once receiving DNS IP address,

4
---

Device shall pass the IP address of DNS  
server to UICC in the terminal response

**The default E-UTRAN/EPC UICC, the default E-UTRAN parameters and the following parameters are used:**

Network access name: TestGp.rs  
User login: UserLog  
User password: UserPwd

UICC/ME interface transport level  
Transport format: TCP  
Port number: 44444

Data destination address: 01.01.01.01

Design Steps
Step Name
Step 1
Pre-Conditions
null
Procedures
<ol style="list-style-type: none"> <li>1. Enable RF with B13 MCC 001 MNC 010.</li> <li>2. Power on Device and capture logs.</li> <li>3. After device performs LTE Attach successfully, initiate OPEN CHANNEL using VZWADMIN APN with (1.1.1.1) IP address.</li> <li>4. Initiate CLOSE CHANNEL using PDN reuse bit set to 0.</li> </ol>
Expected Results
<ol style="list-style-type: none"> <li>1. Device shall provide a Terminal Profile which has all corresponding bits for Rel 12 DNS and PDN Reuse set.</li> <li>2. UICC shall send an initial OPEN CHANNEL request with IP address defined above.</li> <li>3. The UICC shall issue a CLOSE CHANNEL with the Re-Use bit set to 0.</li> <li>4. The Device shall deactivate the VZWADMIN PDN connection and provide a successful Terminal Response.</li> </ol>

## 4 73-Test PDN re-use set to 1 VZ\_TC\_USIMISIMINT\_10266

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

*Note 1: The test cases 44, 44b and 44c are not yet a part of 3GPP 31.124 Rel 9 revisions, the descriptions of the tests are provided after the table.*

*Note 2: If the Device under test is of Type ND (No Display capabilities), the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified during test execution. See also TS 31.124, cl.3.4, TCEP001.*

The device shall support DNS server IP address retrieval from the network.

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
4.73	73		

GW UICC Device
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1
2

---



---



---



---



---

DNS Resolution req. with no IP address

Through the open channel command, Device shall  
establish a session with the PDN for the APN defined.

3
---

Once receiving DNS IP address,

4
---

Device shall pass the IP address of DNS  
server to UICC in the terminal response

The default E-UTRAN/EPC UICC, the default E-UTRAN parameters and the following parameters are used:

Network access name: TestGp.rs  
User login: UserLog  
User password: UserPwd

UICC/ME interface transport level  
Transport format: TCP  
Port number: 44444

Data destination address: 01.01.01.01

Design Steps
Step Name
Step 1
Pre-Conditions
null
Procedures
<ol style="list-style-type: none"> <li>1. Enable RF with B13 MCC 001 MNC 010.</li> <li>2. Power on Device and capture logs.</li> <li>3. After device performs LTE Attach successfully, initiate OPEN CHANNEL using VZWADMIN APN with (1.1.1.1) IP address.</li> <li>4. Initiate CLOSE CHANNEL using PDN reuse bit set to 1.</li> <li>5. initiate OPEN CHANNEL using VZWADMIN APN with (1.1.1.1) IP address</li> </ol>
Expected Results
<ol style="list-style-type: none"> <li>1. Device shall provide a Terminal Profile which has all corresponding bits for Rel 12 DNS and PDN Reuse set.</li> <li>2. UICC shall send an initial OPEN CHANNEL request with IP address defined above.</li> <li>3. The UICC shall issue a CLOSE CHANNEL with the Re-Use bit set to 1.</li> <li>4. The Device shall keep the VZWADMIN PDN connection open and provide a Terminal Response.</li> <li>5. The Device shall reuse the existing VZWADMIN PDN connection to establish any further BIP connection requests.</li> </ol>

## 4.74 -Successful\_IMS Registration VZ\_TC\_USIMISIMINT\_10267

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

*Note 1: The test cases 44, 44b and 44c are not yet a part of 3GPP 31.124 Rel 9 revisions, the descriptions of the tests are provided after the table.*

*Note 2: If the Device under test is of Type ND (No Display capabilities), the display or the non-display of any alpha identifier, text string or icon shall be treated as successfully verified during test execution. See also TS 31.124, cl.3.4, TCEP001.*

Using Event Download IMS Registration to communicate the IMS registration status and changes in the IMS registration status to the UICC.

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
4.74	74		

Design Steps
Step Name
Step 1
Pre-Conditions
null
Procedures
<ol style="list-style-type: none"><li>1. Power on the Device</li><li>2. Initiate a proactive command: SET UP EVENT LIST with event type "IMS Registration"</li><li>3. Enable the RF with B13 MCC 001 MNC 010</li><li>4. The device shall perform successful LTE Attach followed by the IMS registration</li></ol>
Expected Results
<ol style="list-style-type: none"><li>1. Device shall provide a Terminal Profile which has all corresponding bits for Rel 12 DNS and PDN Reuse set.</li><li>2. The device shall send a successful Terminal response for the proactive command SET UP EVENT LIST.</li><li>3. The device shall send ENVELOPE: EVENT DOWNLOAD with IMPU indicating successful IMS Registration</li></ol>



#### 4.75 -UnSuccessful\_IMS Registration VZ\_TC\_USIMISIMINT\_886526

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
4.75	75		

Using Event Download IMS Registration to communicate the IMS registration status and changes in the IMS registration status to the UICC.

Design Steps
Step Name
Step 1
Pre-Conditions
null
Procedures
<ol style="list-style-type: none"> <li>1. Power on the Device</li> <li>2. Initiate a proactive command: SET UP EVENT LIST with event type "IMS Registration"</li> <li>3. Enable the RF with B13 MCC 001 MNC 010</li> <li>4. Configure the IMS server to send SIP 403 error when the device makes a SIP registration request</li> </ol>
Expected Results
<ol style="list-style-type: none"> <li>1. Device shall provide a Terminal Profile which has all corresponding bits for Rel 12 DNS and PDN Reuse set.</li> <li>2. The device shall send a successful Terminal response for the proactive command SET UP EVENT LIST.</li> <li>3. The device shall send ENVELOPE: EVENT DOWNLOAD with IMS Registration failure</li> </ol>

indication
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## 5.1 Handling Private User Identity vz\_TC\_USIMISIMINT\_6248

Handling Private User Identity

### **Test Purpose**

To verify that the device uses the Private User Identity stored in the ISIM

### **Description**

The Private User Identity shall be contained in all Registration requests, (including Re-registration and De-registration requests) passed from the UE to the home network

## 5.2 Handling of Public User Identity in IMS registration VZ\_TC\_USIMISIMINT\_6249

Handling of Public User Identity in IMS registration

### Test Purpose

To verify that the device uses the Public User Identity stored in the EF<sub>IMPU</sub> of ISIM.

### Description

A Public User Identity shall be used as a part of the IMS registration requests.

## 5.3 Handling of Public User Identity for mobile originating IMS sessions

VZ\_TC\_USIMISIMINT\_6250

Handling of Public User Identity for mobile originating IMS sessions

### Test Purpose

To verify that the device uses the Public User Identity stored in the EF<sub>IMPU</sub> of ISIM

### Description

Public User Identity shall be contained in the SIP message for Mobile Originating messages.

## 5.4 Home Domain Usage VZ\_TC\_USIMISIMINT\_6251

Home Domain Usage

### Test Purpose

To verify that the device uses the Home Domain Name in the EF<sub>HOMEDOMAIN</sub> of ISIM

### Description

Verify as a part of the P-CSCF function the SIP register request received from the device is determined using the home domain name, as provided by the device.

## 5.5 P-CSCF Usage vz\_TC\_USIMISIMINT\_6252

P-CSCF Usage

(Not required at this time)

### **Test Purpose**

To verify that the device uses the P-CSCF for DNS query

### **Description**

Verify that the device attaches to network, device reads the FQDN value from the ISIM and does a DNS query with FQDN. Device responds to the DNS query.

Verify that the right IP address gets allocated from the DNS query.

## 6.o Test cases: Multiple PLMN VZ\_TC\_USIMISIMINT\_1485500

### PLMN ID Configuration

PLMNID<sub>1</sub> = 001 01

PLMNID<sub>2</sub> = 002 02

PLMNID<sub>3</sub> = 003 03

PLMN ID<sub>4</sub> = 004 04

PLMNID<sub>5</sub> = 005 05

PLMNID<sub>6</sub> = 006 06

### PNN file:

Re c. #	FULL_NW_NAME_ ENCODING	FULL_NW_ NAME	SHORT_ NW_ NAME_ ENCODI NG	SHORT_NW_ NAME	PLMN_ADDITI ONAL_ INFO_ENCODI NG	PLMN_ADDITI ONAL_ INFO
1	80	Verizon	00		00	
2	80	Extended Network	00		00	
3	80	Roam	00		00	
4	00		00		00	



5	00		00		00	
<p>OPL File:</p>						
REC. #	MCC	MNC	LAC_TAC_RANGE START	LAC_TAC_RANGE END	PNN_RECORD_ID	OPERATOR NAME
1	003	03	0000	FFFE	02	Operator 3
2						
3						
4						

## 6.1 PLMN OPERATIONS, UE SUPPORTS EHPLMN LIST SENT BY UICC

VZ\_TC\_USIMISIMINT\_6100

PLMN operations, UE supports EHPLMN list sent by UICC

### 1. Test Case VZW\_LTE\_MPLMN\_1

#### 2. Definition

This test case verifies that the UE acquires home PLMN list from the UICC upon start-up.

#### 2. Traceability

- "Verizon Wireless LTE 3GPP Band 13 Network Access Requirements"
- 3GPP TS 23.122: *3<sup>rd</sup> Generation Partnership Project; Technical Specification Group Core Network and Terminals; Non-Access-Stratum (NAS) functions related to Mobile Station (MS) in idle mode*, Release version as defined above in document.
- 3GPP TS 36.331: *Evolved Universal Terrestrial Radio Access (E-UTRA); Radio Resource Control (RRC); Protocol specification*, Release version as defined above in document.
- 3GPP TS 23.251: *3<sup>rd</sup> Generation Partnership Project; Technical Specification Group Services and System Aspects; Network Sharing; Architecture and functional description*, Release version as defined above in document.
- 3GPP TS 31.102: *3<sup>rd</sup> Generation Partnership Project; Technical Specification Group Core Network and Terminals; Characteristics of the Universal Subscriber Identity Module (USIM) application*, Release version as defined above in document.

#### 4. Applicability

This test applies to all devices that are designed to operate in the Verizon Wireless LTE 3GPP Band 13 network.

Design Steps
Step Name
Step 1
Pre-Conditions
null
Procedures
<ol style="list-style-type: none"> <li>1. Configure the eNB emulator to broadcast PLMN<sub>ID1</sub> in its SIB1 message.</li> <li>2. Configure in the UICC EF<sub>EHPLMN</sub> with PLMN<sub>ID1</sub> and PLMN<sub>ID2</sub>.</li> <li>3. Configure in the UICC EF<sub>OPLMNwACT</sub> with PLMN<sub>ID3</sub> and PLMN<sub>ID4</sub></li> <li>4. Power up the UE.</li> <li>5. Verify that the UE acquired the PLMN<sub>ID1</sub> from the UICC EF<sub>EHPLMN</sub> with all the contents in the same order as defined in the UICC.</li> <li>6. Power down the UE.</li> <li>7. Configure the eNB emulator to broadcast PLMN<sub>ID2</sub> in its SIB1 message.</li> <li>8. Power up the UE</li> <li>9. Verify that the UE acquired the PLMN<sub>ID2</sub> from the UICC EF<sub>EHPLMN</sub> with all the contents in the same order as defined in the UICC.</li> </ol>
Expected Results

The UE shall correctly acquire the eHPLMN list from the UICC.
---

## 6.2 PLMN OPERATIONS, UE SUPPORTS OPLMNwACT LIST SENT BY UICC

VZ\_TC\_USIMISIMINT\_6101

PLMN operations, UE supports OPLMNwACT list sent by UICC

### 1. Test Case VZW\_LTE\_MPLMN\_2

### 2. Definition

This test case verifies that the UE acquires roaming PLMN list from the UICC upon start-up.

### 3. Traceability

- "Verizon Wireless LTE 3GPP Band 13 Network Access Requirements"
- 3GPP TS 23.122: *3<sup>rd</sup> Generation Partnership Project; Technical Specification Group Core Network and Terminals; Non-Access-Stratum (NAS) functions related to Mobile Station (MS) in idle mode*, Release version as defined above in document.
- 3GPP TS 36.331: *Evolved Universal Terrestrial Radio Access (E-UTRA); Radio Resource Control (RRC); Protocol specification*, Release version as defined above in document.
- 3GPP TS 23.251: *3<sup>rd</sup> Generation Partnership Project; Technical Specification Group Services and System Aspects; Network Sharing; Architecture and functional description*, Release version as defined above in document.
- 3GPP TS 31.102: *3<sup>rd</sup> Generation Partnership Project; Technical Specification Group Core Network and Terminals; Characteristics of the Universal Subscriber Identity Module (USIM) application*, Release version as defined above in document.

### 4. Applicability

This test applies to all devices that are designed to operate in the Verizon Wireless LTE 3GPP Band 13 network.

Design Steps
Step Name
Step 1
Pre-Conditions
null
Procedures
<ol style="list-style-type: none"> <li>1. Configure the eNB emulator to broadcast PLMN<sub>ID3</sub> in its SIB1 message.</li> <li>2. Configure in the UICC EF<sub>EHPLMN</sub> with PLMN<sub>ID1</sub> and PLMN<sub>ID2</sub>.</li> <li>3. Configure in the UICC EF<sub>OPLMNwACT</sub> with PLMN<sub>ID3</sub> and PLMN<sub>ID4</sub>.</li> <li>4. Power up the UE.</li> <li>5. Verify that the UE acquired the PLMN<sub>ID3</sub>.</li> <li>6. Power down the UE</li> <li>7. Configure the eNB emulator to broadcast PLMN<sub>ID4</sub> in its SIB1 message.</li> <li>8. Power up the UE</li> <li>9. Verify that the UE acquired PLMN<sub>ID4</sub>.</li> </ol>

Expected Results
The UE shall correctly acquire the roaming PLMN list from the UICC.

### 6.3 VOID VZ\_TC\_USIMISIMINT\_6102

VOID

Design Steps
Step Name
HCL_MIGRATED
Pre-Conditions
null
Procedures
null
Expected Results
null

## 6.4 VOID VZ\_TC\_USIMISIMINT\_6103

VOID

Design Steps
Step Name
HCL_MIGRATED
Pre-Conditions
null
Procedures
null
Expected Results
null

## 6.5 PLMN OPERATIONS, UE DECODES UP TO 6 PLMN IDS VZ\_TC\_USIMISIMINT\_6104

PLMN operations, UE decodes up to 6 PLMN IDs

### 1. Test Case VZW\_LTE\_MPLMN\_5

### 2. Definition

This test verifies that the UE is capable of decoding up to six PLMN ids broadcasted in a SIB message. Additionally, it makes sure that a UE successfully attaches regardless of which of the PLMNs broadcasted is equal to its home PLMN id.

### 3. Traceability

- "Verizon Wireless LTE 3GPP Band 13 Network Access Requirements"
- 3GPP TS 23.122: *3<sup>rd</sup> Generation Partnership Project; Technical Specification Group Core Network and Terminals; Non-Access-Stratum (NAS) functions related to Mobile Station (MS) in idle mode*, Release version as defined above in document.
- 3GPP TS 36.331: *Evolved Universal Terrestrial Radio Access (E-UTRA); Radio Resource Control (RRC); Protocol specification*, Release version as defined above in document.
- 3GPP TS 23.251: *3<sup>rd</sup> Generation Partnership Project; Technical Specification Group Services and System Aspects; Network Sharing; Architecture and functional description*, Release version as defined above in document.
- 3GPP TS 31.102: *3<sup>rd</sup> Generation Partnership Project; Technical Specification Group Core Network and Terminals; Characteristics of the Universal Subscriber Identity Module (USIM) application*, Release version as defined above in document.

### 4. Applicability

This test applies to all devices that are designed to operate in the Verizon Wireless LTE 3GPP Band 13 network.

Design Steps
Step Name
Step 1
Pre-Conditions
null
Procedures
<ol style="list-style-type: none"> <li>1. Configure the eNB emulator to broadcast PLMN<sub>ID1</sub> through PLMN<sub>ID6</sub> in its SIB1 message.</li> <li>2. Configure in the UICC EF<sub>EHPLMN</sub> with PLMN<sub>ID1</sub>.</li> <li>3. Power up the UE.</li> <li>4. Verify that the UE acquired the PLMN<sub>ID1</sub> from the UICC EF<sub>EHPLMN</sub>.</li> <li>5. Power down UE</li> <li>6. Configure in the UICC EF<sub>EHPLMN</sub> with PLMN<sub>ID2</sub>.</li> <li>7. Power up the UE.</li> <li>8. Verify that the UE acquired the PLMN<sub>ID2</sub> from the UICC EF<sub>EHPLMN</sub>.</li> <li>9. Power down the UE</li> <li>10. Configure in the UICC EF<sub>EHPLMN</sub> with PLMN<sub>ID3</sub>.</li> <li>11. Power up the UE.</li> </ol>



- I 2. Verify that the UE acquired the PLMN<sub>ID3</sub> from the UICC EF<sub>EHPLMN</sub>.
- I 3. Power down the UE
- I 4. Configure in the UICC EF<sub>EHPLMN</sub> with PLMN<sub>ID4</sub>.
- I 5. Power up the UE.
- I 6. Verify that the UE acquired the PLMN<sub>ID4</sub> from the UICC EF<sub>EHPLMN</sub>.
- I 7. Power down the UE
- I 8. Configure in the UICC EF<sub>EHPLMN</sub> with PLMN<sub>ID5</sub>.
- I 9. Power up the UE.
20. Verify that the UE acquired the PLMN<sub>ID5</sub> from the UICC EF<sub>EHPLMN</sub>.
21. Power down the UE
22. Configure in the UICC EF<sub>EHPLMN</sub> with PLMN<sub>ID6</sub>.
23. Power up the UE.
24. Verify that the UE acquired the PLMN<sub>ID6</sub> from the UICC EF<sub>EHPLMN</sub>.

### Expected Results

The UE shall reliably attach to the network regardless of how many PLMN ids are broadcasted or which of the PLMN ids is home.

## 6.6 VOID VZ\_TC\_USIMISIMINT\_6105

VOID

Design Steps
Step Name
HCL_MIGRATED
Pre-Conditions
null
Procedures
null
Expected Results
null

## 6.7 PLMN OPERATIONS, UE PRIORITIZES HOME PLMN OVER ROAMING PLMN

### PLMN VZ\_TC\_USIMISIMINT\_6106

PLMN operations, UE prioritizes HOME PLMN over ROAMING PLMN

#### 1. Test Case VZW\_LTE\_MPLMN\_7

#### 2. Definition

This test case verifies that the UE always prefers a PLMN in its home PLMN list over a PLMN in its roaming PLMN list.

#### 3. Traceability

- "Verizon Wireless LTE 3GPP Band 13 Network Access Requirements"
- 3GPP TS 23.122: *3<sup>rd</sup> Generation Partnership Project; Technical Specification Group Core Network and Terminals; Non-Access-Stratum (NAS) functions related to Mobile Station (MS) in idle mode*, Release version as defined above in document.
- 3GPP TS 36.331: *Evolved Universal Terrestrial Radio Access (E-UTRA); Radio Resource Control (RRC); Protocol specification*, Release version as defined above in document.
- 3GPP TS 23.251: *3<sup>rd</sup> Generation Partnership Project; Technical Specification Group Services and System Aspects; Network Sharing; Architecture and functional description*, Release version as defined above in document.
- 3GPP TS 31.102: *3<sup>rd</sup> Generation Partnership Project; Technical Specification Group Core Network and Terminals; Characteristics of the Universal Subscriber Identity Module (USIM) application*, Release version as defined above in document.

#### 4. Applicability

This test applies to all devices that are designed to operate in the Verizon Wireless LTE 3GPP Band 13 network.

Design Steps
Step Name
Step 1
Pre-Conditions
null
Procedures
<ol style="list-style-type: none"> <li>1. Configure the eNB emulator to broadcast PLMN<sub>ID1</sub>.</li> <li>2. Configure in the UICC EF<sub>EHPLMN</sub> with PLMN<sub>ID1</sub> through PLMN<sub>ID4</sub>.</li> <li>3. Configure in the UICC EF<sub>OPLMNwACT</sub> with PLMN<sub>ID1</sub> and PLMN<sub>ID4</sub> through PLMN<sub>ID6</sub>.</li> <li>4. Power up the UE.</li> <li>5. Verify that the UE acquired the PLMN<sub>ID1</sub> from the UICC EF<sub>EHPLMN</sub>.</li> <li>6. Power down UE.</li> <li>7. Configure the eNB emulator to broadcast PLMN<sub>ID2</sub>.</li> <li>8. Verify that the UE acquired the PLMN<sub>ID2</sub> from the UICC EF<sub>EHPLMN</sub>.</li> <li>9. Power down UE.</li> <li>10. Configure the eNB emulator to broadcast PLMN<sub>ID3</sub>.</li> </ol>

- I 1. Verify that the UE acquired the  $PLMN_{ID_3}$  from the UICC  $EF_{EHPLMN}$ .
- I 2. Power down UE.
- I 3. Configure the eNB emulator to broadcast  $PLMN_{ID_4}$
- I 4. Verify that the UE acquired the  $PLMN_{ID_4}$  from the UICC  $EF_{EHPLMN}$ .
- I 5. Power down UE.
- I 6. Configure the eNB emulator to broadcast  $PLMN_{ID_5}$
- I 7. Verify that the UE acquired the  $PLMN_{ID_5}$  from the UICC  $EF_{OPLMNwACT}$ .
- I 8. Power down UE.
- I 9. Configure the eNB emulator to broadcast  $PLMN_{ID_6}$
20. Verify that the UE acquired the  $PLMN_{ID_6}$  from the UICC  $EF_{OPLMNwACT}$ .

### Expected Results

The UE shall always attach prioritizing a home PLMN (stored in eHPLMN list) over a roaming PLMN (stored in OPLMN list).

## 6.8 NETWORK INDICATOR VZ\_TC\_USIMISIMINT\_6107

### Network Indicator

#### I. Definition

#### UE DISPLAYS APPROPRIATE NETWORK INDICATOR

This test case verifies that the UE displays the Roaming Icon for roaming and displays correct network banner to extended.

#### I. TRACEABILITY

The Verizon Wireless LTE 3GPP Band 13 network

#### I. APPLICABILITY

This test case applies to all UEs designed to operate on the Verizon Wireless LTE 3GPP Band 13 network, including the LRA network.

Design Steps
Step Name
Step 1
Pre-Conditions
null
Procedures
<ol style="list-style-type: none"> <li>1. Configure in the UICC EFEHPLMN with PLMNID<sub>1</sub>.</li> <li>2. Configure in the UICC EFOPLMNwACT with PLMNID<sub>2</sub>.</li> <li>3. Configure in UICC EFPNN and EFOPL as per section 6.0</li> <li>4. Configure the eNB emulator to broadcast PLMNID<sub>1</sub> in its SIB<sub>1</sub> message.</li> <li>5. Power up the UE.</li> <li>6. Verify that the UE acquired the PLMNID<sub>1</sub> from the UICC EFEHPLMN and had no roaming indicator.</li> <li>7. Power down the UE.</li> <li>8. Configure the eNB emulator to broadcast PLMNID<sub>2</sub> in its SIB<sub>1</sub> message.</li> <li>9. Power up the UE.</li> <li>10. Verify that the UE acquired the PLMNID<sub>2</sub> from the UICC EFOPLMNwACT and</li> </ol>

displayed roaming indicator.

11. Power down the UE.
12. Configure eNB emulator to broadcast PLMNID<sub>3</sub> in its SIB<sub>1</sub> message.
13. Power up the UE.
14. Verify that UE acquired PLMNID<sub>3</sub> and displayed extended network as per EFOPL/PNN
15. Power down the UE.

#### Expected Results

- 6, 10 - The UE shall successfully attach in the first match between the broadcasted PLMN ids and the PLMN entries in its roaming list, while displaying the correct roaming indicators (icon).
- 14 – The UE shall successfully attach and display extended network.

# Void 44 VZ\_TC\_USIMISIMINT\_6096

null

Design Steps			
Step Name			
Step 1			
Pre-Conditions			
null			
Procedures			
Step	Direction	MESSAGE / Action	Comments
1	USER ® ME	Set and configure APN "TestGp.rs" in the terminal configuration if required	[see initial conditions]
2	UICC ® ME	PROACTIVE COMMAND PENDING: OPEN CHANNEL 6.x.1	
3	ME ® UICC	FETCH	
4	UICC ® ME	PROACTIVE COMMAND : OPEN CHANNEL 6.x.1	
5	ME ® USER	The terminal shall display the alpha identifier "Open Channel for UICC?" during the confirmation phase	[IF NOT A.1/84 (No display) THEN the terminal shall ignore the alpha identifier]
6	USER ® ME	The user confirms	[IF NOT A.1/85 (No keypad) THEN the terminal may open the channel without explicit confirmation by the user]
7	ME ® E-USS	PDN CONNECTIVITY REQUEST	[The PDN CONNECTIVITY REQUEST shall contain the APN "TestGp.rs"]
8	USS ® ME	ACTIVATE DEFAULT EPS BEARER CONTEXT REQUEST	[The E-UTRAN parameters are used]
8	ME ® E-USS	ACTIVATE DEFAULT EPS BEARER CONTEXT ACCEPT	
9	ME ® UICC	TERMINAL RESPONSE : OPEN CHANNEL 6.x.1	[Command performed successfully]
PROACTIVE COMMAND: OPEN CHANNEL 6.x.1 Logically: Command details Command number: 1 Command type: OPEN CHANNEL Command qualifier: immediate link establishment, no automatic reconnection Device identities Source device: UICC Destination device: ME Alpha Identifier: "Open Channel for UICC?" Bearer			

<p>Bearer type: E-UTRAN / mapped UTRAN packet service</p> <p>QCI 9</p> <p>Maximum bit rate for uplink: (Subscribed maximum bit rate for uplink)</p> <p>Maximum bit rate for downlink: (Subscribed maximum bit rate for downlink)</p> <p>Guaranteed bit rate for uplink: (Use the value indicated by the maximum bit rate for uplink)</p> <p>Guaranteed bit rate for downlink: (Use the value indicated by the maximum bit rate for downlink)</p> <p>Maximum bit rate for uplink (extended):</p> <p>Maximum bit rate for downlink (extended):</p> <p>Guaranteed bit rate for uplink (extended):</p> <p>Guaranteed bit rate for downlink (extended):</p> <p>PDN Type: IP</p> <p>Buffer</p> <p>Buffer size: 1400</p> <p>Network access name: TestGp.rs</p> <p>Text String: "UserLog" (User login)</p> <p>Text String: "UserPwd" (User password)</p> <p>UICC/ME interface transport level</p> <p>Transport format: TCP</p> <p>Port number: 44444</p> <p>Data destination address 01.01.01.01</p> <p>Coding:</p>												
BER-TLV:	Do	5E	81	03	01	40	01	82	02	81	82	85
	16	4F	70	65	6E	20	43	68	61	6E	6E	65
	6C	20	66	6F	72	20	55	49	43	43	3F	35
	0B	0B	09	00	00	00	00	00	00	00	00	02
	39	02	05	78	47	0A	06	54	65	73	74	47
	70	02	72	73	0D	08	F4	55	73	65	72	4C
	6F	67	0D	08	F4	55	73	65	72	50	77	64
	3C	03	02	AD	9C	3E	05	21	01	01	01	01
<p>TERMINAL RESPONSE: OPEN CHANNEL 6.x.1</p> <p>Logically:</p> <p>Command details</p> <p>Command number: 1</p> <p>Command type: OPEN CHANNEL</p> <p>Command qualifier: immediate link establishment, no automatic reconnection</p> <p>Device identities</p> <p>Source device: ME</p> <p>Destination device: UICC</p> <p>Result</p> <p>General Result: Command performed successfully</p> <p>Channel status: Channel identifier 1 and link established or PDP context activated</p> <p>Bearer</p> <p>Bearer type: E-UTRAN / mapped UTRAN packet service</p> <p>QCI 9</p>												



PDN Type: IP  Buffer Buffer size: 1400 Coding:												
BER-TLV:	81	03	01	40	01	82	02	82	81	83	01	00
	38	02	81	00	35	03	0B	09	02	39	02	05
	78											
Expected Results												
null												

Void 44B VZ\_TC\_USIMISIMINT\_6097

null

Design Steps			
Step Name			
Step 1			
Pre-Conditions			
null			
Procedures			
Expected Sequence 6.6 (OPEN CHANNEL, immediate link establishment, default bearer)			
Step	Direction	MESSAGE / Action	Comments
1	USER ® ME	Set and activate APN "TestGp.rs" in the terminal configuration if required	[see initial conditions]
2	UICC ® ME	PROACTIVE COMMAND PENDING: OPEN CHANNEL 6.1.1	
3	ME ® UICC	FETCH	
4	UICC ® ME	PROACTIVE COMMAND : OPEN CHANNEL 6.1.1	
5	ME ® user	The ME may display channel opening information	
6	ME ® USS	PDN CONNECTIVITY REQUEST	
7	E-USS ® ME	ACTIVATE DEFAULT BEARER CONTEXT REQUEST	
8	ME ® E-USS	ACTIVATE DEFAULT BEARER CONTEXT ACCEPT	
9	ME ® UICC	TERMINAL RESPONSE : OPEN CHANNEL 6.1.1	[Command performed successfully]
<p><b><u>With Username/Password</u></b>  PROACTIVE COMMAND: OPEN CHANNEL  Logically:      Command details          Command number: 1          Command type: OPEN CHANNEL          Command qualifier: immediate link establishment, automatic reconnection      Device identities          Source device: UICC          Destination device: ME      Alpha Identifier null data object</p>			

<p>Bearer</p> <p>Bearer type: DEFAULT BEARER FOR REQUESTED TRANSPORT LAYER</p> <p>Buffer</p> <p>Buffer size: 512</p> <p>Network access name: TestGp.rs</p> <p>Text String: UserLog (User login)</p> <p>Text String: UserPwd (User password)</p> <p>UICC/ME interface transport level</p> <p>Transport format: UDP, UICC in client mode, remote connection</p> <p>Port number: 53</p> <p>Data destination address 01.01.01.01</p> <p>Coding:</p>												
BER-TLV:	Do	3E	81	03	01	40	03	82	02	81	82	05
	00	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								
<p>TERMINAL RESPONSE: OPEN CHANNEL</p> <p>Logically:</p> <p>Command details</p> <p>Command number: 1</p> <p>Command type: OPEN CHANNEL</p> <p>Command qualifier: immediate link establishment, automatic reconnection</p> <p>Device identities</p> <p>Source device: ME</p> <p>Destination device: UICC</p> <p>Result</p> <p>General Result: Command performed successfully</p> <p>Channel status: Channel identifier 1 and link established or packet data service activated</p> <p>Bearer description</p> <p>Bearer type: DEFAULT BEARER FOR REQUESTED TRANSPORT LAYER</p> <p>Buffer</p> <p>Buffer size: 512</p> <p>Coding:</p>												
BER-TLV:	81	03	01	40	03	82	02	82	81	83	01	00
	38	02	81	00	35	01	03	39	02	02	00	
<p><b><u>NO Username/Password</u></b></p> <p>PROACTIVE COMMAND: OPEN CHANNEL</p> <p>Logically:</p>												

<p>Command details</p> <p>Command number: 1</p> <p>Command type: OPEN CHANNEL</p> <p>Command qualifier: immediate link establishment, automatic reconnection</p> <p>Device identities</p> <p>Source device: UICC</p> <p>Destination device: ME</p> <p>Alpha Identifier null data object</p> <p>Bearer</p> <p>Bearer type: DEFAULT BEARER FOR REQUESTED TRANSPORT LAYER</p> <p>Buffer</p> <p>Buffer size: 512</p> <p>Network access name: TestGprs</p> <p>UICC/ME interface transport level</p> <p>Transport format: UDP, UICC in client mode, remote connection</p> <p>Port number: 53</p> <p>Data destination address 01.01.01.01</p> <p>Coding:</p>												
---	--	--	--	--	--	--	--	--	--	--	--	--

BER-TLV:	Do	2A	81	03	01	40	03	82	02	81	82	05
	00	35	01	03	39	02	02	00	47	0A	06	54
	65	73	74	47	70	02	72	73	3C	03	01	00
	35	3E	05	21	01	01	01	01				

<p>TERMINAL RESPONSE: OPEN CHANNEL</p> <p>Logically:</p> <p>Command details</p> <p>Command number: 1</p> <p>Command type: OPEN CHANNEL</p> <p>Command qualifier: immediate link establishment, automatic reconnection</p> <p>Device identities</p> <p>Source device: ME</p> <p>Destination device: UICC</p> <p>Result</p> <p>General Result: Command performed successfully</p> <p>Channel status Channel identifier 1 and link established or packet data service activated</p> <p>Bearer description</p> <p>Bearer type: DEFAULT BEARER FOR REQUESTED TRANSPORT LAYER</p> <p>Buffer</p> <p>Buffer size: 512</p> <p>Coding:</p>												
--	--	--	--	--	--	--	--	--	--	--	--	--

BER-TLV:	81	03	01	40	03	82	02	82	81	83	01	00
	38	02	81	00	35	01	03	39	02	02	00	

Expected Results
null

Void 44C VZ\_TC\_USIMISIMINT\_6098

null

Design Steps			
Step Name			
Step 1			
Pre-Conditions			
null			
Procedures			
Expected Sequence 6.7 (OPEN CHANNEL, immediate link establishment, default bearer)			
Step	Direction	MESSAGE / Action	Comments
1	USER ® ME	Set and activate APN "TestGp.rs" in the terminal configuration if required	[see initial conditions]
2	UICC ® ME	PROACTIVE COMMAND PENDING: OPEN CHANNEL 6.1.1	
3	ME ® UICC	FETCH	
4	UICC ® ME	PROACTIVE COMMAND : OPEN CHANNEL 6.1.1	
5	ME ® user	The ME may display channel opening information	
6	ME ® USS	PDN CONNECTIVITY REQUEST	
7	E-USS ® ME	ACTIVATE DEFAULT BEARER CONTEXT REQUEST	
8	ME ® E-USS	ACTIVATE DEFAULT BEARER CONTEXT ACCEPT	
9	ME ® UICC	TERMINAL RESPONSE : OPEN CHANNEL 6.1.1	[Command performed successfully]
<p><b><u>With user name/password</u></b></p> <p>PROACTIVE COMMAND: OPEN CHANNEL</p> <p>Logically:</p> <p>Command details</p> <p>Command number: 1</p> <p>Command type: OPEN CHANNEL</p> <p>Command qualifier: immediate link establishment, automatic reconnection</p> <p>Device identities</p> <p>Source device: UICC</p> <p>Destination device: ME</p> <p>Alpha Identifier null data object</p>			

<p>Bearer</p> <p>Bearer type: DEFAULT BEARER FOR REQUESTED TRANSPORT LAYER</p> <p>Buffer</p> <p>Buffer size: 1400</p> <p>Network access name: TestGp.rs</p> <p>Text String: UserLog (User login)</p> <p>Text String: UserPwd (User password)</p> <p>UICC/ME interface transport level</p> <p>Transport format: TCP, UICC in client mode, remote connection</p> <p>Port number: 443</p> <p>Data destination address 01.01.01.01</p> <p>Coding:</p>												
BER-TLV:	Do	3E	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	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								
<p>TERMINAL RESPONSE: OPEN CHANNEL</p> <p>Logically:</p> <p>Command details</p> <p>Command number: 1</p> <p>Command type: OPEN CHANNEL</p> <p>Command qualifier: immediate link establishment, automatic reconnection</p> <p>Device identities</p> <p>Source device: ME</p> <p>Destination device: UICC</p> <p>Result</p> <p>General Result: Command performed successfully</p> <p>Channel status: Channel identifier 1 and link established or packet data service activated</p> <p>Bearer description</p> <p>Bearer type: DEFAULT BEARER FOR REQUESTED TRANSPORT LAYER</p> <p>Buffer</p> <p>Buffer size: 1400</p> <p>Coding:</p>												
BER-TLV:	81	03	01	40	03	82	02	82	81	83	01	00
	38	02	81	00	35	01	03	39	02	05	78	
<p><u>No Username/Password</u></p> <p>PROACTIVE COMMAND: OPEN CHANNEL</p> <p>Logically:</p>												

<p>Command details</p> <p>Command number: 1</p> <p>Command type: OPEN CHANNEL</p> <p>Command qualifier: immediate link establishment, automatic reconnection</p> <p>Device identities</p> <p>Source device: UICC</p> <p>Destination device: ME</p> <p>Alpha Identifier null data object</p> <p>Bearer</p> <p>Bearer type: DEFAULT BEARER FOR REQUESTED TRANSPORT LAYER</p> <p>Buffer</p> <p>Buffer size: 1400</p> <p>Network access name: TestGprs</p> <p>UICC/ME interface transport level</p> <p>Transport format: TCP, UICC in client mode, remote connection</p> <p>Port number: 443</p> <p>Data destination address 01.01.01.01</p> <p>Coding:</p>												
BER-TLV:	Do	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				
<p>TERMINAL RESPONSE: OPEN CHANNEL</p> <p>Logically:</p> <p>Command details</p> <p>Command number: 1</p> <p>Command type: OPEN CHANNEL</p> <p>Command qualifier: immediate link establishment, automatic reconnection</p> <p>Device identities</p> <p>Source device: ME</p> <p>Destination device: UICC</p> <p>Result</p> <p>General Result: Command performed successfully</p> <p>Channel status Channel identifier 1 and link established or packet data service activated</p> <p>Bearer description</p> <p>Bearer type: DEFAULT BEARER FOR REQUESTED TRANSPORT LAYER</p> <p>Buffer</p> <p>Buffer size: 1400</p> <p>Coding:</p>												
BER-TLV:	81	03	01	40	03	82	02	82	81	83	01	00
	38	02	81	00	35	01	03	39	02	05	78	
<p>27.22.4.27.x.5 Test requirement</p> <p>The ME shall operate in the manner defined in expected sequences 6.1 to 6.5.</p>												



Expected Results
null

Void vz\_TC\_USIMISIMINT\_6099

null

Design Steps			
Step Name			
Step 1			
Pre-Conditions			
null			
Procedures			
27.22.4.7.1.4.2 Procedure			
Expected Sequence 1.7v (REFRESH, USIM Application Reset)			
Step	Direction	MESSAGE / Action	Comments
1	UICC ® ME	PROACTIVE COMMAND PENDING: REFRESH 1.7.1	[To inform the ME that ACL becomes enabled]
2	ME ® UICC	FETCH	
3	UICC ® ME	PROACTIVE COMMAND: REFRESH 1.7.1	No UICC reset shall be performed between steps 3 and 9.
4	ME ® UICC	STATUS[P1='02']	ME indicates to USIM that the termination procedure is starting
5	ME ® UICC	Select AID=USIM (P2='44') OR (P2='4C')	Application termination
6	UICC	EF EST contents states ACL enabled	[New EF EST value: 01]
7	ME ® UICC	USIM Initialization, including send STATUS[P1='01']	[ME performs USIM initialization]
8	ME ® UICC	TERMINAL RESPONSE: REFRESH 1.7.1	[normal ending]
9	UICC ® ME	PROACTIVE UICC SESSION ENDED	
10	UICC ® ME	PROACTIVE COMMAND PENDING: OPEN CHANNEL 6.1.1	
11	ME ® UICC	FETCH	
12	UICC ® ME	PROACTIVE COMMAND : OPEN CHANNEL 6.1.1	
13	ME ® E-USS	The terminal shall not send a PDN CONNECTIVITY REQUEST to the network	
14	ME ® UICC	TERMINAL RESPONSE : OPEN CHANNEL 6.4.1	[Bearer Independent Protocol error]

<p>PROACTIVE COMMAND: REFRESH 1.7.1</p> <p>Logically:</p> <p>Command details</p> <p>Command number: 1</p> <p>Command type: REFRESH</p> <p>Command qualifier: USIM Application Reset</p> <p>Device identities</p> <p>Source device: UICC</p> <p>Destination device: ME</p> <p>Coding:</p>												
BER-TLV:	D0	09	81	03	01	01	05	82	02	81	82	
<p>TERMINAL RESPONSE: REFRESH 1.7.1</p> <p>Logically:</p> <p>Command details</p> <p>Command number: 1</p> <p>Command type: REFRESH</p> <p>Command qualifier: USIM Application Reset</p> <p>Device identities</p> <p>Source device: ME</p> <p>Destination device: UICC</p> <p>Result</p> <p>General Result: Command performed successfully</p> <p>Coding:</p>												
BER-TLV:	81	03	01	01	05	82	02	82	81	83	01	00
<p>PROACTIVE COMMAND: OPEN CHANNEL 6.1.1</p> <p>Logically:</p> <p>Command details</p> <p>Command number: 1</p> <p>Command type: OPEN CHANNEL</p> <p>Command qualifier: immediate link establishment</p> <p>Device identities</p> <p>Source device: UICC</p> <p>Destination device: ME</p> <p>Bearer</p> <p>Bearer type: GPRS / UTRAN packet service / E-UTRAN</p> <p>Precedence Class: 03</p> <p>Delay Class: 04</p> <p>Reliability Class: 02</p> <p>Peak throughput class: 09</p> <p>Mean throughput class: 31</p> <p>Packet data protocol: 02 (IP)</p> <p>Buffer</p> <p>Buffer size: 1400</p> <p>Network access name: TestGp.rs</p> <p>Text String: "UserLog" (User login)</p> <p>Text String: "UserPwd" (User password)</p>												

UICC/ME interface transport level Transport format: TCP Port number: 44444 Data destination address 01.01.01.01 Coding:												
BER-TLV:	Do	42	81	03	01	40	01	82	02	81	82	35
	07	02	03	04	02	09	1F	02	39	02	05	78
	47	0A	06	54	65	73	74	47	70	02	72	73
	0D	08	F4	55	73	65	72	4C	6F	67	0D	08
	F4	55	73	65	72	50	77	64	3C	03	02	AD
	9C	3E	05	21	01	01	01	01				
TERMINAL RESPONSE: OPEN CHANNEL 6.4.1 Logically: Command details Command number: 1 Command type: OPEN CHANNEL Command qualifier: immediate link establishment Device identities Source device: ME Destination device: UICC Result General Result: Bearer Independent Protocol error Additional Information: No specific cause can be given Bearer description Bearer type: GPRS / UTRAN packet service / E-UTRAN Precedence Class: 03 Delay Class: 04 Reliability Class: 02 Peak throughput class: 09 Mean throughput class: 31 Packet data protocol: 02 (IP) Buffer Buffer size: Because the value depends in this case on the terminal's implementation, it shall be ignored. Coding:												
BER-TLV:	81	03	01	40	01	82	02	82	81	83	02	3A
	00	35	07	02	03	04	02	09	1F	02	Note	
	Note: The buffer size TLV shall be present and because the value depends in this case on the terminal's implementation, the value shall be ignored.											

27.22.4.7.1.5	Test requirement
The ME shall operate in the manner defined in expected sequences 1.7.	
Expected Results	
null	

## GCF Certification VZ\_TC\_USIMISIMINT\_3019009

GCF Certification is required for all devices which use UICC. Please refer to GCF website for complete test requirements.

27.22.4.4.1 /1 More time VZ\_TC\_USIMISIMINT\_4199420

## 27.22.4.7.1 /3 REFRESH, USIM Initialization and File Change Notification

VZ\_TC\_USIMISIMINT\_4199419

null



27.22.4.7.1 REFRESH, USIM Initialization after SMS-PP data download  
VZ\_TC\_USIMISIMINT\_4199417

#### 27.22.4.7.1 REFRESH, USIM Initialization and Full File Change Notification

VZ\_TC\_USIMISIMINT\_4199418

null

27.22.7.4.1 /2 EVENT DOWNLOAD -LOCATION STATUS, E-UTRAN  
VZ\_TC\_USIMISIMINT\_4199249

null

27.22.4.10.7 SEND SHORT MESSAGE, SMS-over-IP, E-UTRAN (IMS), packing  
not required, 8-bit data, no alpha identifier, successful VZ\_TC\_USIMISIMINT\_4199416

null

27.22.4.15.1 /17 PROVIDE LOCAL INFORMATION, Local Information, E-UTRAN Local Info (MCC, MNC, TAC & E-UTRAN Cell ID) VZ\_TC\_USIMISIMINT\_4199415

null

27.22.4.15.1 /2 PROVIDE LOCAL INFORMATION, IMEI of the device  
VZ\_TC\_USIMISIMINT\_4199414

null

27.22.4.15.1 /14 PROVIDE LOCAL INFORMATION, Access Technology, E-  
UTRAN VZ\_TC\_USIMISIMINT\_4199413

null

27.22.4.15.1 PROVIDE LOCAL INFORMATION, IMEISV of the terminal  
VZ\_TC\_USIMISIMINT\_4199412

null



27.22.4.27.6 / 1 OPEN CHANNEL, immediate link establishment, E-UTRAN, bearer type '02' (Refer to additional details in section 4.1 below) VZ\_TC\_USIMISIMINT\_4199411

null

27.22.4.27.6 /2 OPEN CHANNEL, immediate link establishment, E-UTRAN, bearer type 'oB'(Refer to additional details in section 4.1 below) VZ\_TC\_USIMISIMINT\_4199410

null

27.22.4.27.6 /5 OPEN CHANNEL, immediate link establishment, E-UTRAN, bearer type '03' – Default EPS bearer VZ\_TC\_USIMISIMINT\_4199253

27.22.4.27.6 /4 OPEN CHANNEL related to packet data service bearer (bearer description - default bearer with UDP connection) VZ\_TC\_USIMISIMINT\_4199246

27.22.4.27.6 /4 OPEN CHANNEL related to packet data service bearer (bearer description - default bearer with TCP connection) VZ\_TC\_USIMISIMINT\_4199247

null

27.22.4.28.3 /1 CLOSE CHANNEL, Default EPS bearer, successful  
VZ\_TC\_USIMISIMINT\_4199252

null

27.22.4.29.1 /2 RECEIVE DATA, already opened channel, E-UTRAN, APN  
different from default) VZ\_TC\_USIMISIMINT\_4199248

null

27.22.4.30.3 /1 SEND DATA, E-UTRAN, Default EPS bearer, immediate mode  
VZ\_TC\_USIMISIMINT\_4199251

null



### 27.22.5.3 /1 SMS-PP Data Download, General Data Coding, Acknowledgement

VZ\_TC\_USIMISIMINT\_4199250

null

#### 4.76 SEND SHORT MESSAGE (over SGs in E-UTRAN) VZ\_TC\_USIMISIMINT\_8439469

The ME shall support the Proactive UICC: SEND SHORT MESSAGE facility.

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 13: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

**Applicability: IMS Less devices**

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
4.76	76	27.22.4.10.8	8.1

#### 4.77 SMS-PP Data Download over SGs in E-UTRAN VZ\_TC\_USIMISIMINT\_8439474

The ME shall support the Proactive UICC: SMS-PP Data Download facility for SMS over SGs

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.124 Rel 13: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

**Applicability: IMS Less devices**

Test Case	VZW_LTE_USAT_	Test Case Number	Sequence Number
4.77	77	27.22.5.4	4.1

#### 4.78 EVENT Download (MSISDN in PCO) VZ\_TC\_USIMISIMINT\_8455442

It is expected that the device send the MSISDN to the UICC in an ENVELOPE command.

##### Test Purpose

To verify that the ME informs the UICC that an Event: “PCO options contain MSISDN” has occurred using the ENVELOPE command when ME received the MSISDN in the PCO during successful LTE ATTACH.

##### Pre-Conditions

1. The ME is connected to the USIM Simulator and the Network Simulator (NWS).
2. The default E-UTRAN/EPC UICC is used.
3. The ME shall be powered on and perform the PROFILE DOWNLOAD procedure.

##### Procedure

Step	Direction	Message / Action	Comments
1	ME ® NWS NWS ® ME	ME attempts to perform LTE ATTACH	<p>NWS shall send the MSISDN in the PCO container</p> <p>ME shall request MSISDN in LTE Attach request (PCO container 000EH);</p> <p>NWS shall send the MSISDN value in the LTE ATTACH ACCEPT (PCO container 000EH);</p>
2	ME ® UICC	ENVELOPE: EVENT DOWNLOAD	ME shall send the MSISDN to the UICC in the EVENT DOWNLOAD

3	ME ® UICC	FETCH	
4	UICC ® ME	PROACTIVE COMMAND : REFRESH	
5	ME -> UICC	STATUS[P <sub>I</sub> ='02']	ME indicates to USIM that the termination procedure is starting.
6	ME ® UICC	ME resets the UICC, performs USIM Initialization, including send STATUS [P <sub>I</sub> ='01'] and no TERMINAL RESPONSE shall be sent.	
7	<del>UICC ® ME</del>	<del>PROACTIVE UICC SESSION ENDED</del>	
7.	ME ® NWS NWS ® ME	ME attempts to perform LTE ATTACH	ME performs MSISDN based IMS SIP Registration

#### ENVELOPE REFERENCE DATA :

The off card entity (device/modem) shall send an envelope with the number in nibble swapped format

- CLA – 80 INS – C<sub>2</sub> P<sub>1</sub> – 00 P<sub>2</sub> – 00 LC – Length of data
  - o Data - EF LN 02 02 82 81 4C LN TON/NPI MSISDN
  - o Notes: MSISDN in following format
  - o 'EF' – Tag
  - o LN – Length of the remaining Envelope
  - o '02 02 82 81' - Device Identities, Source and Destination
  - o '4C' – Tag for MSISDN
  - o LN – Length of MSISDN data including TON/NPI bytes

- o TON/NPI Type of Number/Numbering Plan Identification – (International or Non-International)
- o MSISDN - The number in nibble swapped format. If international, this number shall include international code. If number of digits mod 2 == 1, take last number and concatenate with F before nibble swap

## PROACTIVE COMMAND: REFRESH

Logically:

Command details

Command number: 1

Command type: REFRESH

Command qualifier: UICC Reset

Device identities

Source device: UICC

Destination device: ME

Coding:

BER-TLV:	D0	09	81	03	01	01	04	82	02	81	82
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Expected Result

The ME shall operate in the manner defined in expected sequences

#### 4.79 REFRESH Enforcement Policy, enforcement not set VZ\_TC\_USIMISIMINT\_8456097

To verify that the ME performs the Proactive Command – REFRESH in accordance with the Command Qualifier.

If the terminal indicates support of Refresh enforcement policy, the UICC may optionally request the REFRESH to be performed without delay. In that case, unless forbidden by an ongoing higher priority activity in the terminal, the terminal shall process the REFRESH command immediately if the requested condition is met. NAAs may specify which higher priority activities lead to postponing a REFRESH without delay command.

##### Test Purpose

To verify that the ME shall not proceed with REFRESH even if the command interferes with the user activity as REFRESH enforcement bits are not set.

##### Pre-conditions

1. The ME is connected to the USIM Simulator and the Network Simulator (NWS).
2. The default E-UTRAN/EPC UICC is used.
3. The ME shall be powered on and perform the PROFILE DOWNLOAD procedure.

##### Procedure

Step	Direction	Message / Action	Comments
1	ME ® NWS NWS ® ME	ME to perform LTE ATTACH	ME performs LTE ATTACH followed by IMS SIP Registration
2	ME ® NWS	VoLTE Call setup	
3	ME ® UICC	FETCH	

4	UICC <sup>®</sup> ME	PROACTIVE COMMAND : REFRESH	USIM Initialization with Full FCN
5	ME <sup>®</sup> UICC	TERMINAL RESPONSE: REFRESH	ME rejects REFRESH proactive command: Busy on Call
6	UICC <sup>®</sup> ME	PROACTIVE UICC SESSION ENDED	Note: EF IMSI, EF LOCI and EF PS LOCI are not updated by the UICC
7	USER <sup>®</sup> ME	The MO VoLTE call is terminated	

## PROACTIVE COMMAND: REFRESH

Logically:

Command details

Command number: 1

Command type: REFRESH

Command qualifier: USIM Initialization and Full File Change Notification

Device identities

Source device: UICC

Destination device: ME

Coding:

BER-TLV:	D0	09	81	03	01	01	00	82	02	81	82
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TERMINAL RESPONSE: REFRESH

Logically:

Command details

Command number: 1

Command type: REFRESH

Command qualifier: NAA Initialization and Full file Change Notification

Device identities

Source device: ME

Destination device: UICC

Result

General Result: ME currently unable to process command

Additional information on result: ME currently busy on call

Coding:

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

Expected Result

The ME shall operate in the manner defined in expected sequences



### 10.1.1 Automatic CSG selection in E-UTRA with CSG list on USIM, success VZ\_TC\_USIMISIMINT\_9385359

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.121 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

**Applicability:** All devices

Test Case	VZ_TC_USIMISIMINT_	Test Case Number
10.1	164	10.1.1

#### Test Purpose

To verify that the ME only selects a CSG cell if the CSG IDs of the cell is found in the allowed CSG IDs from EFACSGL

## 10.1.2 Automatic CSG selection in E-UTRA with CSG list on USIM, removal of CSG ID from the USIM VZ\_TC\_USIMISIMINT\_9459862

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.121 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

**Applicability:** All devices

Test Case	VZ_TC_USIMISIMINT_	Test Case Number
10.1	165	10.1.2

### Test Purpose

To verify that the ME removes the CSG ID from the Allowed CSG list in EFACSGL in case this CSG ID belongs to the cell where the ME has sent the ATTACH REQUEST message which was rejected with cause #25 by the E-USS.

### 10.1.3 Manual CSG selection in E-UTRA with CSG list on USIM, success

VZ\_TC\_USIMISIMINT\_9487700

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.121 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

**Applicability:** All devices

Test Case	VZ_TC_USIMISIMINT_	Test Case Number
10.1	166	10.1.3

#### Test Purpose

To verify that the ME adds the CSG ID to the Allowed CSG list in EFACSGL in case this CSG ID belongs to the cell where the ME has sent the TRACKING AREA UPDATE REQUEST message which was accepted by the E-USS.

#### 10.1.4 Manual CSG selection in E-UTRA with CSG list on USIM, rejected

VZ\_TC\_USIMISIMINT\_9487709

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.121 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

**Applicability:** All devices

Test Case	VZ_TC_USIMISIMINT_	Test Case Number
10.1	167	10.1.4

#### Test Purpose

To verify that the ME does not add the CSG ID to the Allowed CSG list in EFACSGL in case this CSG ID belongs to the cell where the ME has sent the TRACKING AREA UPDATE REQUEST message which was rejected by the E-USS.

### 10.1.5 Manual CSG selection in E-UTRA with no CSG list on USIM, no IMSI change

VZ\_TC\_USIMISIMINT\_9487727

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.121 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

**Applicability:** All LTE devices

Test Case	VZ_TC_USIMISIMINT_	Test Case Number
10.1	168	10.1.5

#### Test Purpose

To verify that the ME adds the CSG ID to the Allowed CSG list in a non-volatile memory in the ME together with the

IMSI from the USIM in case this CSG ID belongs to the cell where the ME has sent the TRACKING AREA UPDATE REQUEST message which was accepted by the E-USS as the corresponding file is not present on the simulated USIM.

To verify that the ME still has this CSG ID stored in the Allowed CSG list available together with the IMSI after powered down and up in case the IMSI of the USIM has not changed.

To verify that the ME removes the CSG ID from the Allowed CSG list inside the terminal in case this CSG ID belongs to the cell where the ME has sent the ATTACH REQUEST message which was rejected with cause #25 by the E-USS.

### 10.1.6 Manual CSG selection in E-UTRA with no CSG list on USIM, with IMSI change VZ\_TC\_USIMISIMINT\_9487748

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.121 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

**Applicability:** All LTE devices

Test Case	VZ_TC_USIMISIMINT_	Test Case Number
10.1	169	10.1.6

#### Test Purpose

To verify that the ME adds the CSG ID to the Allowed CSG list in a non-volatile memory in the ME together with the IMSI from the USIM in case this CSG ID belongs to the cell where the ME has sent the TRACKING AREA UPDATE REQUEST message which was accepted by the E-USS as the corresponding file is not present on the simulated USIM.

To verify that the ME removes this CSG ID stored in the Allowed CSG list available together with the IMSI after powered down and up in case the IMSI of the USIM has changed.



### 7.2.6 UE recognising the priority order of the User controlled PLMN selector list using an ACT preference- UTRAN/E-UTRAN VZ\_TC\_USIMISIMINT\_9488398

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.121 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

**Applicability:** All LTE devices

Test Case	VZ_TC_USIMISIMINT_	Test Case Number
7.2	170	7.2.6

#### Test Purpose

To verify that the ACT with the higher priority (defined by its position in EFPLMNwACT) takes precedence over the UPLMN with the lower priority when the UE performs a network selection. Hereby the new coding for RAT E-UTRAN has to be handled correctly by the UE.

### 7.2.7 UE recognising the priority order of the User controlled PLMN selector list using an ACT preference- GSM/E-UTRAN

VZ\_TC\_USIMISIMINT\_9488753

The following table is developed by Verizon Wireless with reference from 3GPP TS 31.121 Rel 9: *Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module application toolkit conformance test specification* and shall be executed as a part of compliance.

**Applicability:** All LTE devices

Test Case	VZ_TC_USIMISIMINT_	Test Case Number
7.2	171	7.2.7

#### Test Purpose

To verify that the ACT with the higher priority (defined by its position in EFPLMNwACT) takes precedence over the UPLMN with the lower priority when the UE performs a network selection. Hereby the new coding for RAT E-UTRAN has to be handled correctly by the UE.

#### 4.8o REFRESH Enforcement Policy, enforcement set VZ\_TC\_USIMISIMINT\_4105999311930705

To verify that the ME performs the Proactive Command – REFRESH in accordance with the Command Qualifier.

If the terminal indicates support of Refresh enforcement policy, the UICC may optionally request the REFRESH to be performed without delay. In that case, unless forbidden by an ongoing higher priority activity in the terminal, the terminal shall process the REFRESH command immediately if the requested condition is met. NAAs may specify which higher priority activities lead to postponing a REFRESH without delay command.

##### Test Purpose

To verify that the ME proceeds with REFRESH even if the command interferes with the user activity as REFRESH enforcement bit for Voice Call are set.

##### Pre-conditions

1. The ME is connected to the USIM Simulator and the Network Simulator (NWS).
2. The default E-UTRAN/EPC UICC is used.
3. The ME shall be powered on and perform the PROFILE DOWNLOAD procedure.

##### Procedure

Step	Direction	Message / Action	Comments
1	ME ® NWS NWS ® ME	ME to perform LTE ATTACH	ME performs LTE ATTACH followed by IMS SIP Registration
2	ME ® NWS	VoLTE Call setup	
3	ME ® UICC	FETCH	
4	UICC ® ME	PROACTIVE COMMAND : REFRESH	USIM Initialization with FCN

5	ME ® UICC	USIM Initialization including send STATUS[P <sub>I</sub> ='o <sub>I</sub> ']	ME performs USIM Initialization
6	ME ® UICC	TERMINAL RESPONSE: REFRESH	ME proceeds with REFRESH proactive command and a normal Terminal Response
7	UICC ® ME	PROACTIVE UICC SESSION ENDED	Note: EF IMSI, EF LOCI and EF PS LOCI are updated by the UICC
8	USER ® ME	The MO VoLTE call is dropped	As REFRESH enforcement bit for voice call is set, the MO VoLTE call will drop

## PROACTIVE COMMAND: REFRESH

Logically:

Command details

Command number: 1

Command type: REFRESH

Command qualifier: USIM Initialization and Full File Change Notification

Device identities

Source device: UICC

Destination device: ME

Refresh enforcement policy: Force immediate REFRESH even if the terminal is busy on voice call

Coding:

BER-TLV:	D <sub>0</sub>	o <sub>C</sub>	8 <sub>I</sub>	o <sub>3</sub>	o <sub>I</sub>	o <sub>I</sub>	o <sub>0</sub>	8 <sub>2</sub>	o <sub>2</sub>	8 <sub>I</sub>	8 <sub>2</sub>
	3 <sub>A</sub>	o <sub>I</sub>	o <sub>4</sub>								

## TERMINAL RESPONSE: REFRESH

Logically:

### Command details

Command number: 1

Command type: REFRESH

Command qualifier: NAA Initialization and Full file Change Notification

### Device identities

Source device: ME

Destination device: UICC

### Result

General Result: Command performed successfully

### Coding:

BER-TLV:	81	03	01	01	00	82	02	82	81	83	01	00
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### Expected Result

Refresh is executed, MO VoLTE call is dropped.

The ME shall operate in the manner defined in expected sequences

RequirementCoverageForTestPlan2.1 Reaction of a Terminal receiving no ATR VZ\_TC\_USIMISIMINT\_6109

Requirement Name	Requirement Plan Id	Created By	Created Date
ACTIVATION/DE-ACTIVATION OF CONTACTS TO THE UICC	LTEB13NAC	Admin User	11-07-0013 14:24:43

2.2 Electrical tests on contact C1, Test 1 VZ\_TC\_USIMISIMINT\_6110

Requirement Name	Requirement Plan Id	Created By	Created Date
ACTIVATION/DE-ACTIVATION OF CONTACTS TO THE UICC	LTEB13NAC	Admin User	11-07-0013 14:24:43

2.3 Electrical tests on contact C1, Test 2 VZ\_TC\_USIMISIMINT\_6111

Requirement Name	Requirement Plan Id	Created By	Created Date
ACTIVATION/DE-ACTIVATION OF CONTACTS TO THE UICC	LTEB13NAC	Admin User	11-07-0013 14:24:43

2.4 Electrical tests on contact C2 VZ\_TC\_USIMISIMINT\_6112

Requirement Name	Requirement Plan Id	Created By	Created Date
ACTIVATION/DE-ACTIVATION OF CONTACTS TO THE UICC	LTEB <sub>13</sub> NAC	Admin User	11-07-0013 14:24:43

2.5 Electrical tests on contact C<sub>3</sub> VZ\_TC\_USIMISIMINT\_6113

Requirement Name	Requirement Plan Id	Created By	Created Date
ACTIVATION/DE-ACTIVATION OF CONTACTS TO THE UICC	LTEB <sub>13</sub> NAC	Admin User	11-07-0013 14:24:43

2.6 Electrical tests on contact C<sub>7</sub> VZ\_TC\_USIMISIMINT\_6114

Requirement Name	Requirement Plan Id	Created By	Created Date
ACTIVATION/DE-ACTIVATION OF CONTACTS TO THE UICC	LTEB <sub>13</sub> NAC	Admin User	11-07-0013 14:24:43

2.7 Clock stop 1,8V VZ\_TC\_USIMISIMINT\_6115

Requirement Name	Requirement Plan Id	Created By	Created Date
ACTIVATION/DE-ACTIVATION OF	LTEB <sub>13</sub> NAC	Admin	11-07-0013

CONTACTS TO THE UICC		User	14:24:43
DEVICE INTERFACE	LTEB13NAC	Admin User	11-07-0013 14:24:46
FALLBACK SUPPORT	LTEB13NAC	Admin User	11-07-0013 14:24:49
ISO/IEC-7816 SPEED	LTEB13NAC	Admin User	11-07-0013 14:24:47
POWER SUPPLY	LTEB13NAC	Admin User	11-07-0013 14:24:44

## 2.8 Clock stop 3V VZ\_TC\_USIMISIMINT\_6116

Requirement Name	Requirement Plan Id	Created By	Created Date
ACTIVATION/DE-ACTIVATION OF CONTACTS TO THE UICC	LTEB13NAC	Admin User	11-07-0013 14:24:43
DEVICE INTERFACE	LTEB13NAC	Admin User	11-07-0013 14:24:46
FALLBACK SUPPORT	LTEB13NAC	Admin User	11-07-0013 14:24:49
ISO/IEC-7816 SPEED	LTEB13NAC	Admin User	11-07-0013 14:24:47
POWER SUPPLY	LTEB13NAC	Admin User	11-07-0013 14:24:44



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## 2.9 Speed Enhancement VZ\_TC\_USIMISIMINT\_6117

Requirement Name	Requirement Plan Id	Created By	Created Date
ACTIVATION/DE-ACTIVATION OF CONTACTS TO THE UICC	LTEB13NAC	Admin User	11-07-0013 14:24:43
DEVICE INTERFACE	LTEB13NAC	Admin User	11-07-0013 14:24:46
FALLBACK SUPPORT	LTEB13NAC	Admin User	11-07-0013 14:24:49
ISO/IEC-7816 SPEED	LTEB13NAC	Admin User	11-07-0013 14:24:47
POWER SUPPLY	LTEB13NAC	Admin User	11-07-0013 14:24:44

## 2.10 Bit-character duration - Terminal to the UICC VZ\_TC\_USIMISIMINT\_6118

Requirement Name	Requirement Plan Id	Created By	Created Date
ACTIVATION/DE-ACTIVATION OF CONTACTS TO THE UICC	LTEB13NAC	Admin User	11-07-0013 14:24:43
DEVICE INTERFACE	LTEB13NAC	Admin User	11-07-0013 14:24:46
FALLBACK SUPPORT	LTEB13NAC	Admin User	11-07-0013 14:24:49

ISO/IEC-7816 SPEED	LTEB13NAC	Admin User	11-07-0013 14:24:47
POWER SUPPLY	LTEB13NAC	Admin User	11-07-0013 14:24:44

#### 2.11 Bit-character duration - UICC to Terminal VZ\_TC\_USIMISIMINT\_6119

Requirement Name	Requirement Plan Id	Created By	Created Date
ACTIVATION/DE-ACTIVATION OF CONTACTS TO THE UICC	LTEB13NAC	Admin User	11-07-0013 14:24:43
DEVICE INTERFACE	LTEB13NAC	Admin User	11-07-0013 14:24:46
FALLBACK SUPPORT	LTEB13NAC	Admin User	11-07-0013 14:24:49
ISO/IEC-7816 SPEED	LTEB13NAC	Admin User	11-07-0013 14:24:47
POWER SUPPLY	LTEB13NAC	Admin User	11-07-0013 14:24:44

#### 2.12 Timing VZ\_TC\_USIMISIMINT\_6120

Requirement Name	Requirement Plan Id	Created By	Created Date
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ACTIVATION/DE-ACTIVATION OF CONTACTS TO THE UICC	LTEB <sub>13</sub> NAC	Admin User	11-07-0013 14:24:43
DEVICE INTERFACE	LTEB <sub>13</sub> NAC	Admin User	11-07-0013 14:24:46
FALLBACK SUPPORT	LTEB <sub>13</sub> NAC	Admin User	11-07-0013 14:24:49
ISO/IEC-7816 SPEED	LTEB <sub>13</sub> NAC	Admin User	11-07-0013 14:24:47
POWER SUPPLY	LTEB <sub>13</sub> NAC	Admin User	11-07-0013 14:24:44

### 2.13 Command processing, ACK, NACK, NULL VZ\_TC\_USIMISIMINT\_6121

Requirement Name	Requirement Plan Id	Created By	Created Date
ACTIVATION/DE-ACTIVATION OF CONTACTS TO THE UICC	LTEB <sub>13</sub> NAC	Admin User	11-07-0013 14:24:43
DEVICE INTERFACE	LTEB <sub>13</sub> NAC	Admin User	11-07-0013 14:24:46
FALLBACK SUPPORT	LTEB <sub>13</sub> NAC	Admin User	11-07-0013 14:24:49
ISO/IEC-7816 SPEED	LTEB <sub>13</sub> NAC	Admin User	11-07-0013 14:24:47
POWER SUPPLY	LTEB <sub>13</sub> NAC	Admin User	11-07-0013 14:24:44

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#### 2.14 Case 2 command VZ\_TC\_USIMISIMINT\_6122

Requirement Name	Requirement Plan Id	Created By	Created Date
ACTIVATION/DE-ACTIVATION OF CONTACTS TO THE UICC	LTEB13NAC	Admin User	11-07-0013 14:24:43
DEVICE INTERFACE	LTEB13NAC	Admin User	11-07-0013 14:24:46
FALLBACK SUPPORT	LTEB13NAC	Admin User	11-07-0013 14:24:49
ISO/IEC-7816 SPEED	LTEB13NAC	Admin User	11-07-0013 14:24:47
POWER SUPPLY	LTEB13NAC	Admin User	11-07-0013 14:24:44

#### 2.15 Case 4 command - 61xx VZ\_TC\_USIMISIMINT\_6123

Requirement Name	Requirement Plan Id	Created By	Created Date
ACTIVATION/DE-ACTIVATION OF CONTACTS TO THE UICC	LTEB13NAC	Admin User	11-07-0013 14:24:43
DEVICE INTERFACE	LTEB13NAC	Admin User	11-07-0013 14:24:46
FALLBACK SUPPORT	LTEB13NAC	Admin	11-07-0013

		User	14:24:49
ISO/IEC-7816 SPEED	LTEB13NAC	Admin User	11-07-0013 14:24:47
POWER SUPPLY	LTEB13NAC	Admin User	11-07-0013 14:24:44

#### 2.16 Command processing, warning and error status VZ\_TC\_USIMISIMINT\_6124

Requirement Name	Requirement Plan Id	Created By	Created Date
ACTIVATION/DE-ACTIVATION OF CONTACTS TO THE UICC	LTEB13NAC	Admin User	11-07-0013 14:24:43
DEVICE INTERFACE	LTEB13NAC	Admin User	11-07-0013 14:24:46
FALLBACK SUPPORT	LTEB13NAC	Admin User	11-07-0013 14:24:49
ISO/IEC-7816 SPEED	LTEB13NAC	Admin User	11-07-0013 14:24:47
POWER SUPPLY	LTEB13NAC	Admin User	11-07-0013 14:24:44

#### 2.17 Error correction VZ\_TC\_USIMISIMINT\_6125

Requirement Name	Requirement Plan Id	Created By	Created Date
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ACTIVATION/DE-ACTIVATION OF CONTACTS TO THE UICC	LTEB <sub>13</sub> NAC	Admin User	11-07-0013 14:24:43
DEVICE INTERFACE	LTEB <sub>13</sub> NAC	Admin User	11-07-0013 14:24:46
FALLBACK SUPPORT	LTEB <sub>13</sub> NAC	Admin User	11-07-0013 14:24:49
ISO/IEC-7816 SPEED	LTEB <sub>13</sub> NAC	Admin User	11-07-0013 14:24:47
POWER SUPPLY	LTEB <sub>13</sub> NAC	Admin User	11-07-0013 14:24:44

#### 2.18 Error detection VZ\_TC\_USIMISIMINT\_6127

Requirement Name	Requirement Plan Id	Created By	Created Date
ACTIVATION/DE-ACTIVATION OF CONTACTS TO THE UICC	LTEB <sub>13</sub> NAC	Admin User	11-07-0013 14:24:43
DEVICE INTERFACE	LTEB <sub>13</sub> NAC	Admin User	11-07-0013 14:24:46
FALLBACK SUPPORT	LTEB <sub>13</sub> NAC	Admin User	11-07-0013 14:24:49
ISO/IEC-7816 SPEED	LTEB <sub>13</sub> NAC	Admin User	11-07-0013 14:24:47
POWER SUPPLY	LTEB <sub>13</sub> NAC	Admin User	11-07-0013 14:24:44

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#### 2.19 Command processing, multiple NULL VZ\_TC\_USIMISIMINT\_6091

Requirement Name	Requirement Plan Id	Created By	Created Date
ACTIVATION/DE-ACTIVATION OF CONTACTS TO THE UICC	LTEB13NAC	Admin User	11-07-0013 14:24:43
DEVICE INTERFACE	LTEB13NAC	Admin User	11-07-0013 14:24:46
FALLBACK SUPPORT	LTEB13NAC	Admin User	11-07-0013 14:24:49
ISO/IEC-7816 SPEED	LTEB13NAC	Admin User	11-07-0013 14:24:47
POWER SUPPLY	LTEB13NAC	Admin User	11-07-0013 14:24:44

#### 2.20 Case 4 command - 6100 VZ\_TC\_USIMISIMINT\_6092

Requirement Name	Requirement Plan Id	Created By	Created Date
ACTIVATION/DE-ACTIVATION OF CONTACTS TO THE UICC	LTEB13NAC	Admin User	11-07-0013 14:24:43
DEVICE INTERFACE	LTEB13NAC	Admin User	11-07-0013 14:24:46

FALLBACK SUPPORT	LTEB13NAC	Admin User	11-07-0013 14:24:49
ISO/IEC-7816 SPEED	LTEB13NAC	Admin User	11-07-0013 14:24:47
POWER SUPPLY	LTEB13NAC	Admin User	11-07-0013 14:24:44

### 3.1 Device identification by short IMSI VZ\_TC\_USIMISIMINT\_6128

Requirement Name	Requirement Plan Id	Created By	Created Date
SUPPORT FOR USIM	LTEB13NAC	Admin User	11-07-0013 14:25:10

### 3.2 Device identification by short IMSI VZ\_TC\_USIMISIMINT\_6129

Requirement Name	Requirement Plan Id	Created By	Created Date
SUPPORT FOR USIM	LTEB13NAC	Admin User	11-07-0013 14:25:10

### 3.3 Device Identification after changed IMSI VZ\_TC\_USIMISIMINT\_6130

Requirement Name	Requirement Plan Id	Created By	Created Date
SUPPORT FOR USIM	LTEB13NAC	Admin User	11-07-0013 14:25:10



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### 3.4 Device Identification by GUTI VZ\_TC\_USIMISIMINT\_6131

Requirement Name	Requirement Plan Id	Created By	Created Date
SUPPORT FOR USIM	LTEB13NAC	Admin User	11-07-0013 14:25:10

### 3.5 Device Identification by GUTI VZ\_TC\_USIMISIMINT\_6132

Requirement Name	Requirement Plan Id	Created By	Created Date
SUPPORT FOR USIM	LTEB13NAC	Admin User	11-07-0013 14:25:10

### 3.6 Access Control Information handling VZ\_TC\_USIMISIMINT\_6133

Requirement Name	Requirement Plan Id	Created By	Created Date
SUPPORT FOR USIM	LTEB13NAC	Admin User	11-07-0013 14:25:10

### 3.7 Entry of PIN Void Part of GCF Certification VZ\_TC\_USIMISIMINT\_6134

Requirement Name	Requirement Plan Id	Created By	Created Date
SUPPORT FOR USIM	LTEB13NAC	Admin User	11-07-0013 14:25:10

### 3.8 Change of PIN Void Part of GCF Certification VZ\_TC\_USIMISIMINT\_6135

Requirement Name	Requirement Plan Id	Created By	Created Date
SUPPORT FOR USIM	LTEB13NAC	Admin User	11-07-0013 14:25:10

### 3.9 Unblock PIN VZ\_TC\_USIMISIMINT\_6136

Requirement Name	Requirement Plan Id	Created By	Created Date
SUPPORT FOR USIM	LTEB13NAC	Admin User	11-07-0013 14:25:10

### 3.10 Entry of PIN2 VZ\_TC\_USIMISIMINT\_6137

Requirement Name	Requirement Plan Id	Created By	Created Date
SUPPORT FOR USIM	LTEB13NAC	Admin User	11-07-0013 14:25:10

### 3.11 Change of PIN2 Void Part of GCF Certification VZ\_TC\_USIMISIMINT\_6138

Requirement Name	Requirement Plan Id	Created By	Created Date
SUPPORT FOR USIM	LTEB13NAC	Admin User	11-07-0013 14:25:10

### 3.12 Unblock PIN2 Void Part of GCF Certification VZ\_TC\_USIMISIMINT\_6139

Requirement Name	Requirement Plan Id	Created By	Created Date
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SUPPORT FOR USIM	LTEB <sub>13</sub> NAC	Admin User	11-07-0013 14:25:10
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### 3.13 Entry of PIN on multi-verification capable UICCs VZ\_TC\_USIMISIMINT\_6140

Requirement Name	Requirement Plan Id	Created By	Created Date
SUPPORT FOR USIM	LTEB <sub>13</sub> NAC	Admin User	11-07-0013 14:25:10

### 3.14 Change of PIN on multi-verification capable UICCs VZ\_TC\_USIMISIMINT\_6141

Requirement Name	Requirement Plan Id	Created By	Created Date
SUPPORT FOR USIM	LTEB <sub>13</sub> NAC	Admin User	11-07-0013 14:25:10

### 3.15 Unblock PIN VZ\_TC\_USIMISIMINT\_6142

Requirement Name	Requirement Plan Id	Created By	Created Date
SUPPORT FOR USIM	LTEB <sub>13</sub> NAC	Admin User	11-07-0013 14:25:10

### 3.16 Entry of PIN<sub>2</sub> VZ\_TC\_USIMISIMINT\_6143

Requirement Name	Requirement Plan Id	Created By	Created Date
SUPPORT FOR USIM	LTEB <sub>13</sub> NAC	Admin User	11-07-0013 14:25:10

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### 3.17 Change of PIN<sub>2</sub> on multi-verification capable UICCs VZ\_TC\_USIMISIMINT\_6144

Requirement Name	Requirement Plan Id	Created By	Created Date
SUPPORT FOR USIM	LTEB13NAC	Admin User	11-07-0013 14:25:10

### 3.18 Unblock PIN<sub>2</sub> VZ\_TC\_USIMISIMINT\_6145

Requirement Name	Requirement Plan Id	Created By	Created Date
SUPPORT FOR USIM	LTEB13NAC	Admin User	11-07-0013 14:25:10

### 3.20 Reserved VZ\_TC\_USIMISIMINT\_6156

Requirement Name	Requirement Plan Id	Created By	Created Date
SUPPORT FOR USIM	LTEB13NAC	Admin User	11-07-0013 14:25:10

### 3.26 Adding FPLMN to the Forbidden PLMN list VZ\_TC\_USIMISIMINT\_6157

Requirement Name	Requirement Plan Id	Created By	Created Date
SUPPORT FOR USIM	LTEB13NAC	Admin User	11-07-0013 14:25:10

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### 3.27 Device updating forbidden PLMNs VZ\_TC\_USIMISIMINT\_6158

Requirement Name	Requirement Plan Id	Created By	Created Date
SUPPORT FOR USIM	LTEB13NAC	Admin User	11-07-0013 14:25:10

### 3.28 Device deleting forbidden PLMNs VZ\_TC\_USIMISIMINT\_6159

Requirement Name	Requirement Plan Id	Created By	Created Date
SUPPORT FOR USIM	LTEB13NAC	Admin User	11-07-0013 14:25:10

### 3.29 Device updating the User controlled PLMN VZ\_TC\_USIMISIMINT\_6160

Requirement Name	Requirement Plan Id	Created By	Created Date
SUPPORT FOR USIM	LTEB13NAC	Admin User	11-07-0013 14:25:10

### 3.37 Correct storage of a Short Message on the USIM VZ\_TC\_USIMISIMINT\_6161

Requirement Name	Requirement Plan Id	Created By	Created Date
SUPPORT FOR USIM	LTEB13NAC	Admin User	11-07-0013 14:25:10

3.39 UICC presence detection VZ\_TC\_USIMISIMINT\_6163

Requirement Name	Requirement Plan Id	Created By	Created Date
SUPPORT FOR USIM	LTEB13NAC	Admin User	11-07-0013 14:25:10

3.38 Correct reading of a Short Message on the USIM VZ\_TC\_USIMISIMINT\_6162

Requirement Name	Requirement Plan Id	Created By	Created Date
SUPPORT FOR USIM	LTEB13NAC	Admin User	11-07-0013 14:25:10

3.40 Access Point Name Control List handling VZ\_TC\_USIMISIMINT\_6164

Requirement Name	Requirement Plan Id	Created By	Created Date
SUPPORT FOR USIM	LTEB13NAC	Admin User	11-07-0013 14:25:10

3.43 NAS security context parameter VZ\_TC\_USIMISIMINT\_6166

Requirement Name	Requirement Plan Id	Created By	Created Date
SUPPORT FOR USIM	LTEB13NAC	Admin User	11-07-0013 14:25:10

3.44 NAS security context parameter VZ\_TC\_USIMISIMINT\_6167

Requirement Name	Requirement Plan Id	Created By	Created Date
SUPPORT FOR USIM	LTEB <sub>13</sub> NAC	Admin User	11-07-0013 14:25:10

#### 3.45 NAS security context parameter VZ\_TC\_USIMISIMINT\_6168

Requirement Name	Requirement Plan Id	Created By	Created Date
SUPPORT FOR USIM	LTEB <sub>13</sub> NAC	Admin User	11-07-0013 14:25:10

#### 4.1 PROFILE DOWNLOAD VZ\_TC\_USIMISIMINT\_6169

Requirement Name	Requirement Plan Id	Created By	Created Date
LOGICAL CHANNELS	LTEB <sub>13</sub> NAC	Admin User	11-07-0013 14:25:14
SUPPORT FOR APPLICATION TOOLKIT	LTEB <sub>13</sub> NAC	Admin User	11-07-0013 14:25:13

#### 4.2 Contents of the TERMINAL PROFILE VZ\_TC\_USIMISIMINT\_6170

Requirement Name	Requirement Plan Id	Created By	Created Date
LOGICAL CHANNELS	LTEB <sub>13</sub> NAC	Admin	11-07-0013

		User	14:25:14
SUPPORT FOR APPLICATION TOOLKIT	LTEB13NAC	Admin User	11-07-0013 14:25:13

#### 4.3 Servicing of proactive UICC commands VZ\_TC\_USIMISIMINT\_6171

Requirement Name	Requirement Plan Id	Created By	Created Date
LOGICAL CHANNELS	LTEB13NAC	Admin User	11-07-0013 14:25:14
SUPPORT FOR APPLICATION TOOLKIT	LTEB13NAC	Admin User	11-07-0013 14:25:13

#### 4.4 More time VZ\_TC\_USIMISIMINT\_6172

Requirement Name	Requirement Plan Id	Created By	Created Date
LOGICAL CHANNELS	LTEB13NAC	Admin User	11-07-0013 14:25:14
SUPPORT FOR APPLICATION TOOLKIT	LTEB13NAC	Admin User	11-07-0013 14:25:13

#### 4.5 Poll Interval VZ\_TC\_USIMISIMINT\_6173



Requirement Name	Requirement Plan Id	Created By	Created Date
LOGICAL CHANNELS	LTEB13NAC	Admin User	11-07-0013 14:25:14
SUPPORT FOR APPLICATION TOOLKIT	LTEB13NAC	Admin User	11-07-0013 14:25:13

#### 4.6 REFRESH VZ\_TC\_USIMISIMINT\_6174

Requirement Name	Requirement Plan Id	Created By	Created Date
LOGICAL CHANNELS	LTEB13NAC	Admin User	11-07-0013 14:25:14
SUPPORT FOR APPLICATION TOOLKIT	LTEB13NAC	Admin User	11-07-0013 14:25:13

#### 4.7 REFRESH VZ\_TC\_USIMISIMINT\_6175

Requirement Name	Requirement Plan Id	Created By	Created Date
LOGICAL CHANNELS	LTEB13NAC	Admin User	11-07-0013 14:25:14
SUPPORT FOR APPLICATION TOOLKIT	LTEB13NAC	Admin User	11-07-0013 14:25:13

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#### 4.8 REFRESH VZ\_TC\_USIMISIMINT\_6176

Requirement Name	Requirement Plan Id	Created By	Created Date
LOGICAL CHANNELS	LTEB13NAC	Admin User	11-07-0013 14:25:14
SUPPORT FOR APPLICATION TOOLKIT	LTEB13NAC	Admin User	11-07-0013 14:25:13

#### 4.9 REFRESH VZ\_TC\_USIMISIMINT\_6177

Requirement Name	Requirement Plan Id	Created By	Created Date
LOGICAL CHANNELS	LTEB13NAC	Admin User	11-07-0013 14:25:14
SUPPORT FOR APPLICATION TOOLKIT	LTEB13NAC	Admin User	11-07-0013 14:25:13

#### 4.10 REFRESH VZ\_TC\_USIMISIMINT\_6178

Requirement Name	Requirement Plan Id	Created By	Created Date
LOGICAL CHANNELS	LTEB13NAC	Admin User	11-07-0013 14:25:14

SUPPORT FOR APPLICATION TOOLKIT	LTEB13NAC	Admin User	11-07-0013 14:25:13
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#### 4.11 REFRESH VZ\_TC\_USIMISIMINT\_6179

Requirement Name	Requirement Plan Id	Created By	Created Date
LOGICAL CHANNELS	LTEB13NAC	Admin User	11-07-0013 14:25:14
SUPPORT FOR APPLICATION TOOLKIT	LTEB13NAC	Admin User	11-07-0013 14:25:13

#### 4.13 REFRESH VZ\_TC\_USIMISIMINT\_6183

Requirement Name	Requirement Plan Id	Created By	Created Date
LOGICAL CHANNELS	LTEB13NAC	Admin User	11-07-0013 14:25:14
SUPPORT FOR APPLICATION TOOLKIT	LTEB13NAC	Admin User	11-07-0013 14:25:13

#### 4.16 SEND SHORT MESSAGE VZ\_TC\_USIMISIMINT\_6187

Requirement Name	Requirement Plan Id	Created By	Created Date
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LOGICAL CHANNELS	LTEB13NAC	Admin User	11-07-0013 14:25:14
SUPPORT FOR APPLICATION TOOLKIT	LTEB13NAC	Admin User	11-07-0013 14:25:13

#### 4.17 SEND SHORT MESSAGE VZ\_TC\_USIMISIMINT\_6188

Requirement Name	Requirement Plan Id	Created By	Created Date
LOGICAL CHANNELS	LTEB13NAC	Admin User	11-07-0013 14:25:14
SUPPORT FOR APPLICATION TOOLKIT	LTEB13NAC	Admin User	11-07-0013 14:25:13

#### 4.18 SEND SHORT MESSAGE VZ\_TC\_USIMISIMINT\_6189

Requirement Name	Requirement Plan Id	Created By	Created Date
LOGICAL CHANNELS	LTEB13NAC	Admin User	11-07-0013 14:25:14
SUPPORT FOR APPLICATION TOOLKIT	LTEB13NAC	Admin User	11-07-0013 14:25:13

#### 4.20 SEND SHORT MESSAGE VZ\_TC\_USIMISIMINT\_6190

Requirement Name	Requirement Plan Id	Created By	Created Date
LOGICAL CHANNELS	LTEB13NAC	Admin User	11-07-0013 14:25:14
SUPPORT FOR APPLICATION TOOLKIT	LTEB13NAC	Admin User	11-07-0013 14:25:13

#### 4.21 SEND SHORT MESSAGE VZ\_TC\_USIMISIMINT\_6191

Requirement Name	Requirement Plan Id	Created By	Created Date
LOGICAL CHANNELS	LTEB13NAC	Admin User	11-07-0013 14:25:14
SUPPORT FOR APPLICATION TOOLKIT	LTEB13NAC	Admin User	11-07-0013 14:25:13

#### 4.22 POLLING OFF VZ\_TC\_USIMISIMINT\_6192

Requirement Name	Requirement Plan Id	Created By	Created Date
LOGICAL CHANNELS	LTEB13NAC	Admin User	11-07-0013 14:25:14
SUPPORT FOR APPLICATION TOOLKIT	LTEB13NAC	Admin User	11-07-0013 14:25:13

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4.23 PROVIDE LOCAL INFORMATION VZ\_TC\_USIMISIMINT\_6198

Requirement Name	Requirement Plan Id	Created By	Created Date
LOGICAL CHANNELS	LTEB13NAC	Admin User	11-07-0013 14:25:14
SUPPORT FOR APPLICATION TOOLKIT	LTEB13NAC	Admin User	11-07-0013 14:25:13

4.24 PROVIDE LOCAL INFORMATION VZ\_TC\_USIMISIMINT\_6199

Requirement Name	Requirement Plan Id	Created By	Created Date
LOGICAL CHANNELS	LTEB13NAC	Admin User	11-07-0013 14:25:14
SUPPORT FOR APPLICATION TOOLKIT	LTEB13NAC	Admin User	11-07-0013 14:25:13

4.25 PROVIDE LOCAL INFORMATION VZ\_TC\_USIMISIMINT\_6200

Requirement Name	Requirement Plan Id	Created By	Created Date
LOGICAL CHANNELS	LTEB13NAC	Admin	11-07-0013

		User	14:25:14
SUPPORT FOR APPLICATION TOOLKIT	LTEB13NAC	Admin User	11-07-0013 14:25:13

#### 4.26 PROVIDE LOCAL INFORMATION VZ\_TC\_USIMISIMINT\_6201

Requirement Name	Requirement Plan Id	Created By	Created Date
LOGICAL CHANNELS	LTEB13NAC	Admin User	11-07-0013 14:25:14
SUPPORT FOR APPLICATION TOOLKIT	LTEB13NAC	Admin User	11-07-0013 14:25:13

#### 4.27 PROVIDE LOCAL INFORMATION VZ\_TC\_USIMISIMINT\_6202

Requirement Name	Requirement Plan Id	Created By	Created Date
LOGICAL CHANNELS	LTEB13NAC	Admin User	11-07-0013 14:25:14
SUPPORT FOR APPLICATION TOOLKIT	LTEB13NAC	Admin User	11-07-0013 14:25:13

#### 4.28 PROVIDE LOCAL INFORMATION VZ\_TC\_USIMISIMINT\_6203

Requirement Name	Requirement Plan Id	Created By	Created Date
LOGICAL CHANNELS	LTEB13NAC	Admin User	11-07-0013 14:25:14
SUPPORT FOR APPLICATION TOOLKIT	LTEB13NAC	Admin User	11-07-0013 14:25:13

#### 4.28 a PROVIDE LOCAL INFORMATION VZ\_TC\_USIMISIMINT\_6204

Requirement Name	Requirement Plan Id	Created By	Created Date
LOGICAL CHANNELS	LTEB13NAC	Admin User	11-07-0013 14:25:14
SUPPORT FOR APPLICATION TOOLKIT	LTEB13NAC	Admin User	11-07-0013 14:25:13

#### 4.33 TIMER MANAGEMENT VZ\_TC\_USIMISIMINT\_6205

Requirement Name	Requirement Plan Id	Created By	Created Date
LOGICAL CHANNELS	LTEB13NAC	Admin User	11-07-0013 14:25:14
SUPPORT FOR APPLICATION TOOLKIT	LTEB13NAC	Admin User	11-07-0013 14:25:13



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#### 4.34 TIMER MANAGEMENT VZ\_TC\_USIMISIMINT\_6206

Requirement Name	Requirement Plan Id	Created By	Created Date
LOGICAL CHANNELS	LTEB13NAC	Admin User	11-07-0013 14:25:14
SUPPORT FOR APPLICATION TOOLKIT	LTEB13NAC	Admin User	11-07-0013 14:25:13

#### 4.35 TIMER MANAGEMENT VZ\_TC\_USIMISIMINT\_6207

Requirement Name	Requirement Plan Id	Created By	Created Date
LOGICAL CHANNELS	LTEB13NAC	Admin User	11-07-0013 14:25:14
SUPPORT FOR APPLICATION TOOLKIT	LTEB13NAC	Admin User	11-07-0013 14:25:13

#### 4.36 TIMER MANAGEMENT VZ\_TC\_USIMISIMINT\_6208

Requirement Name	Requirement Plan Id	Created By	Created Date
LOGICAL CHANNELS	LTEB13NAC	Admin User	11-07-0013 14:25:14

SUPPORT FOR APPLICATION TOOLKIT	LTEB13NAC	Admin User	11-07-0013 14:25:13
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#### 4.37 TIMER MANAGEMENT VZ\_TC\_USIMISIMINT\_6209

Requirement Name	Requirement Plan Id	Created By	Created Date
LOGICAL CHANNELS	LTEB13NAC	Admin User	11-07-0013 14:25:14
SUPPORT FOR APPLICATION TOOLKIT	LTEB13NAC	Admin User	11-07-0013 14:25:13

#### 4.38 TIMER MANAGEMENT VZ\_TC\_USIMISIMINT\_6210

Requirement Name	Requirement Plan Id	Created By	Created Date
LOGICAL CHANNELS	LTEB13NAC	Admin User	11-07-0013 14:25:14
SUPPORT FOR APPLICATION TOOLKIT	LTEB13NAC	Admin User	11-07-0013 14:25:13

#### 4.39 TIMER EXPIRATION VZ\_TC\_USIMISIMINT\_6211

Requirement Name	Requirement Plan Id	Created By	Created Date
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LOGICAL CHANNELS	LTEB <sub>13</sub> NAC	Admin User	11-07-0013 14:25:14
SUPPORT FOR APPLICATION TOOLKIT	LTEB <sub>13</sub> NAC	Admin User	11-07-0013 14:25:13

#### 4.40 TIMER EXPIRATION VZ\_TC\_USIMISIMINT\_6212

Requirement Name	Requirement Plan Id	Created By	Created Date
LOGICAL CHANNELS	LTEB <sub>13</sub> NAC	Admin User	11-07-0013 14:25:14
SUPPORT FOR APPLICATION TOOLKIT	LTEB <sub>13</sub> NAC	Admin User	11-07-0013 14:25:13

#### 4.41 OPEN CHANNEL VZ\_TC\_USIMISIMINT\_6213

Requirement Name	Requirement Plan Id	Created By	Created Date
LOGICAL CHANNELS	LTEB <sub>13</sub> NAC	Admin User	11-07-0013 14:25:14
SUPPORT FOR APPLICATION TOOLKIT	LTEB <sub>13</sub> NAC	Admin User	11-07-0013 14:25:13

#### 4.42 OPEN CHANNEL VZ\_TC\_USIMISIMINT\_6214

Requirement Name	Requirement Plan Id	Created By	Created Date
LOGICAL CHANNELS	LTEB13NAC	Admin User	11-07-0013 14:25:14
SUPPORT FOR APPLICATION TOOLKIT	LTEB13NAC	Admin User	11-07-0013 14:25:13

#### 4.43 OPEN CHANNEL VZ\_TC\_USIMISIMINT\_6215

Requirement Name	Requirement Plan Id	Created By	Created Date
LOGICAL CHANNELS	LTEB13NAC	Admin User	11-07-0013 14:25:14
SUPPORT FOR APPLICATION TOOLKIT	LTEB13NAC	Admin User	11-07-0013 14:25:13

#### 4.44 OPEN CHANNEL VZ\_TC\_USIMISIMINT\_6216

Requirement Name	Requirement Plan Id	Created By	Created Date
LOGICAL CHANNELS	LTEB13NAC	Admin User	11-07-0013 14:25:14
SUPPORT FOR APPLICATION TOOLKIT	LTEB13NAC	Admin User	11-07-0013 14:25:13

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#### 4.44 a OPEN CHANNEL VZ\_TC\_USIMISIMINT\_6217

Requirement Name	Requirement Plan Id	Created By	Created Date
LOGICAL CHANNELS	LTEB13NAC	Admin User	11-07-0013 14:25:14
SUPPORT FOR APPLICATION TOOLKIT	LTEB13NAC	Admin User	11-07-0013 14:25:13

#### 4.44 b OPEN CHANNEL VZ\_TC\_USIMISIMINT\_6218

Requirement Name	Requirement Plan Id	Created By	Created Date
LOGICAL CHANNELS	LTEB13NAC	Admin User	11-07-0013 14:25:14
SUPPORT FOR APPLICATION TOOLKIT	LTEB13NAC	Admin User	11-07-0013 14:25:13

#### 4.44 c OPEN CHANNEL VZ\_TC\_USIMISIMINT\_6219

Requirement Name	Requirement Plan Id	Created By	Created Date
LOGICAL CHANNELS	LTEB13NAC	Admin	11-07-0013

		User	14:25:14
SUPPORT FOR APPLICATION TOOLKIT	LTEB13NAC	Admin User	11-07-0013 14:25:13

#### 4.44 d OPEN CHANNEL VZ\_TC\_USIMISIMINT\_6220

Requirement Name	Requirement Plan Id	Created By	Created Date
LOGICAL CHANNELS	LTEB13NAC	Admin User	11-07-0013 14:25:14
SUPPORT FOR APPLICATION TOOLKIT	LTEB13NAC	Admin User	11-07-0013 14:25:13

#### 4.45 CLOSE CHANNEL VZ\_TC\_USIMISIMINT\_6221

Requirement Name	Requirement Plan Id	Created By	Created Date
LOGICAL CHANNELS	LTEB13NAC	Admin User	11-07-0013 14:25:14
SUPPORT FOR APPLICATION TOOLKIT	LTEB13NAC	Admin User	11-07-0013 14:25:13

#### 4.45 a CLOSE CHANNEL VZ\_TC\_USIMISIMINT\_6222

Requirement Name	Requirement Plan Id	Created By	Created Date
LOGICAL CHANNELS	LTEB13NAC	Admin User	11-07-0013 14:25:14
SUPPORT FOR APPLICATION TOOLKIT	LTEB13NAC	Admin User	11-07-0013 14:25:13

#### 4.46 CLOSE CHANNEL VZ\_TC\_USIMISIMINT\_6223

Requirement Name	Requirement Plan Id	Created By	Created Date
LOGICAL CHANNELS	LTEB13NAC	Admin User	11-07-0013 14:25:14
SUPPORT FOR APPLICATION TOOLKIT	LTEB13NAC	Admin User	11-07-0013 14:25:13

#### 4.47 CLOSE CHANNEL VZ\_TC\_USIMISIMINT\_6224

Requirement Name	Requirement Plan Id	Created By	Created Date
LOGICAL CHANNELS	LTEB13NAC	Admin User	11-07-0013 14:25:14
SUPPORT FOR APPLICATION TOOLKIT	LTEB13NAC	Admin User	11-07-0013 14:25:13

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#### 4.48 RECEIVE DATA VZ\_TC\_USIMISIMINT\_6225

Requirement Name	Requirement Plan Id	Created By	Created Date
LOGICAL CHANNELS	LTEB13NAC	Admin User	11-07-0013 14:25:14
SUPPORT FOR APPLICATION TOOLKIT	LTEB13NAC	Admin User	11-07-0013 14:25:13

#### 4.49 SEND DATA VZ\_TC\_USIMISIMINT\_6226

Requirement Name	Requirement Plan Id	Created By	Created Date
LOGICAL CHANNELS	LTEB13NAC	Admin User	11-07-0013 14:25:14
SUPPORT FOR APPLICATION TOOLKIT	LTEB13NAC	Admin User	11-07-0013 14:25:13

#### 4.50 SEND DATA VZ\_TC\_USIMISIMINT\_6227

Requirement Name	Requirement Plan Id	Created By	Created Date
LOGICAL CHANNELS	LTEB13NAC	Admin User	11-07-0013 14:25:14



SUPPORT FOR APPLICATION TOOLKIT	LTEB13NAC	Admin User	11-07-0013 14:25:13
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#### 4.51 SEND DATA VZ\_TC\_USIMISIMINT\_6228

Requirement Name	Requirement Plan Id	Created By	Created Date
LOGICAL CHANNELS	LTEB13NAC	Admin User	11-07-0013 14:25:14
SUPPORT FOR APPLICATION TOOLKIT	LTEB13NAC	Admin User	11-07-0013 14:25:13

#### 4.52 SEND DATA VZ\_TC\_USIMISIMINT\_6229

Requirement Name	Requirement Plan Id	Created By	Created Date
LOGICAL CHANNELS	LTEB13NAC	Admin User	11-07-0013 14:25:14
SUPPORT FOR APPLICATION TOOLKIT	LTEB13NAC	Admin User	11-07-0013 14:25:13

#### 4.53 SEND DATA VZ\_TC\_USIMISIMINT\_6230

Requirement Name	Requirement Plan Id	Created By	Created Date
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LOGICAL CHANNELS	LTEB13NAC	Admin User	11-07-0013 14:25:14
SUPPORT FOR APPLICATION TOOLKIT	LTEB13NAC	Admin User	11-07-0013 14:25:13

#### 4.54 GET CHANNEL STATUS VZ\_TC\_USIMISIMINT\_6231

Requirement Name	Requirement Plan Id	Created By	Created Date
LOGICAL CHANNELS	LTEB13NAC	Admin User	11-07-0013 14:25:14
SUPPORT FOR APPLICATION TOOLKIT	LTEB13NAC	Admin User	11-07-0013 14:25:13

#### 4.55 GET CHANNEL STATUS VZ\_TC\_USIMISIMINT\_6232

Requirement Name	Requirement Plan Id	Created By	Created Date
LOGICAL CHANNELS	LTEB13NAC	Admin User	11-07-0013 14:25:14
SUPPORT FOR APPLICATION TOOLKIT	LTEB13NAC	Admin User	11-07-0013 14:25:13

#### 4.56 GET CHANNEL STATUS VZ\_TC\_USIMISIMINT\_6233

Requirement Name	Requirement Plan Id	Created By	Created Date
LOGICAL CHANNELS	LTEB13NAC	Admin User	11-07-0013 14:25:14
SUPPORT FOR APPLICATION TOOLKIT	LTEB13NAC	Admin User	11-07-0013 14:25:13

#### 4.57 SMS-PP Data Download over IMS VZ\_TC\_USIMISIMINT\_6234

Requirement Name	Requirement Plan Id	Created By	Created Date
LOGICAL CHANNELS	LTEB13NAC	Admin User	11-07-0013 14:25:14
SUPPORT FOR APPLICATION TOOLKIT	LTEB13NAC	Admin User	11-07-0013 14:25:13

#### 4.58 SMS-PP Data Download over IMS VZ\_TC\_USIMISIMINT\_6235

Requirement Name	Requirement Plan Id	Created By	Created Date
LOGICAL CHANNELS	LTEB13NAC	Admin User	11-07-0013 14:25:14
SUPPORT FOR APPLICATION TOOLKIT	LTEB13NAC	Admin User	11-07-0013 14:25:13

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4.59 SMS-PP Data Download over IMS VZ\_TC\_USIMISIMINT\_6236

Requirement Name	Requirement Plan Id	Created By	Created Date
LOGICAL CHANNELS	LTEB13NAC	Admin User	11-07-0013 14:25:14
SUPPORT FOR APPLICATION TOOLKIT	LTEB13NAC	Admin User	11-07-0013 14:25:13

4.60 SMS-PP Data Download over IMS VZ\_TC\_USIMISIMINT\_6237

Requirement Name	Requirement Plan Id	Created By	Created Date
LOGICAL CHANNELS	LTEB13NAC	Admin User	11-07-0013 14:25:14
SUPPORT FOR APPLICATION TOOLKIT	LTEB13NAC	Admin User	11-07-0013 14:25:13

4.65 EVENT DOWNLOAD VZ\_TC\_USIMISIMINT\_6242

Requirement Name	Requirement Plan Id	Created By	Created Date
LOGICAL CHANNELS	LTEB13NAC	Admin	11-07-0013

		User	14:25:14
SUPPORT FOR APPLICATION TOOLKIT	LTEB13NAC	Admin User	11-07-0013 14:25:13

#### 4.66 EVENT DOWNLOAD VZ\_TC\_USIMISIMINT\_6243

Requirement Name	Requirement Plan Id	Created By	Created Date
LOGICAL CHANNELS	LTEB13NAC	Admin User	11-07-0013 14:25:14
SUPPORT FOR APPLICATION TOOLKIT	LTEB13NAC	Admin User	11-07-0013 14:25:13

#### 4.67 EVENT DOWNLOAD VZ\_TC\_USIMISIMINT\_6244

Requirement Name	Requirement Plan Id	Created By	Created Date
LOGICAL CHANNELS	LTEB13NAC	Admin User	11-07-0013 14:25:14
SUPPORT FOR APPLICATION TOOLKIT	LTEB13NAC	Admin User	11-07-0013 14:25:13

#### 4.68 EVENT DOWNLOAD VZ\_TC\_USIMISIMINT\_6245

Requirement Name	Requirement Plan Id	Created By	Created Date
LOGICAL CHANNELS	LTEB13NAC	Admin User	11-07-0013 14:25:14
SUPPORT FOR APPLICATION TOOLKIT	LTEB13NAC	Admin User	11-07-0013 14:25:13

4.69 EVENT DOWNLOAD VZ\_TC\_USIMISIMINT\_6246

Requirement Name	Requirement Plan Id	Created By	Created Date
LOGICAL CHANNELS	LTEB13NAC	Admin User	11-07-0013 14:25:14
SUPPORT FOR APPLICATION TOOLKIT	LTEB13NAC	Admin User	11-07-0013 14:25:13

4.70 REFRESH VZ\_TC\_USIMISIMINT\_6247

Requirement Name	Requirement Plan Id	Created By	Created Date
LOGICAL CHANNELS	LTEB13NAC	Admin User	11-07-0013 14:25:14
SUPPORT FOR APPLICATION TOOLKIT	LTEB13NAC	Admin User	11-07-0013 14:25:13

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5.1 Handling Private User Identity VZ\_TC\_USIMISIMINT\_6248

Requirement Name	Requirement Plan Id	Created By	Created Date
SUPPORT FOR ISIM	LTEB13NAC	Admin User	11-07-0013 14:25:11

5.2 Handling of Public User Identity in IMS registration VZ\_TC\_USIMISIMINT\_6249

Requirement Name	Requirement Plan Id	Created By	Created Date
SUPPORT FOR ISIM	LTEB13NAC	Admin User	11-07-0013 14:25:11

5.3 Handling of Public User Identity for mobile originating IMS sessions  
VZ\_TC\_USIMISIMINT\_6250

Requirement Name	Requirement Plan Id	Created By	Created Date
SUPPORT FOR ISIM	LTEB13NAC	Admin User	11-07-0013 14:25:11

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#### 5.4 Home Domain Usage VZ\_TC\_USIMISIMINT\_6251

Requirement Name	Requirement Plan Id	Created By	Created Date
SUPPORT FOR ISIM	LTEB13NAC	Admin User	11-07-0013 14:25:11

#### 5.5 P-CSCF Usage VZ\_TC\_USIMISIMINT\_6252

Requirement Name	Requirement Plan Id	Created By	Created Date
SUPPORT FOR ISIM	LTEB13NAC	Admin User	11-07-0013 14:25:11

#### 6.1 PLMN OPERATIONS, UE SUPPORTS EHPLMN LIST SENT BY UICC VZ\_TC\_USIMISIMINT\_6100

Requirement Name	Requirement Plan Id	Created By	Created Date
MULTIPLE PLMN SUPPORT	LTEB13NAC	Admin User	11-07-0013 14:25:21
PLMN SUPPORT	LTEB13NAC	Admin User	11-07-0013 14:25:17
SERVICE AREA RESOLUTION IN M-PLMN	LTEB13NAC	Admin User	11-07-0013 14:28:10
SYSTEM SELECTION/RESELECTION	LTEB13NAC	Admin	11-07-0013



		User	14:25:20
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## 6.2 PLMN OPERATIONS, UE SUPPORTS OPLMNWACT LIST SENT BY UICC VZ\_TC\_USIMISIMINT\_6101

Requirement Name	Requirement Plan Id	Created By	Created Date
MULTIPLE PLMN SUPPORT	LTEB13NAC	Admin User	11-07-0013 14:25:21
PLMN SUPPORT	LTEB13NAC	Admin User	11-07-0013 14:25:17
SERVICE AREA RESOLUTION IN M-PLMN	LTEB13NAC	Admin User	11-07-0013 14:28:10
SYSTEM SELECTION/RESELECTION	LTEB13NAC	Admin User	11-07-0013 14:25:20

## 6.5 PLMN OPERATIONS, UE DECODES UP TO 6 PLMN IDS VZ\_TC\_USIMISIMINT\_6104

Requirement Name	Requirement Plan Id	Created By	Created Date
MULTIPLE PLMN SUPPORT	LTEB13NAC	Admin User	11-07-0013 14:25:21
PLMN SUPPORT	LTEB13NAC	Admin User	11-07-0013 14:25:17

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#### 6.7 PLMN OPERATIONS, UE PRIORITIZES HOME PLMN OVER ROAMING PLMN VZ\_TC\_USIMISIMINT\_6106

Requirement Name	Requirement Plan Id	Created By	Created Date
MULTIPLE PLMN SUPPORT	LTEB13NAC	Admin User	11-07-0013 14:25:21
PLMN SUPPORT	LTEB13NAC	Admin User	11-07-0013 14:25:17
SERVICE AREA RESOLUTION IN M-PLMN	LTEB13NAC	Admin User	11-07-0013 14:28:10
SYSTEM SELECTION/RESELECTION	LTEB13NAC	Admin User	11-07-0013 14:25:20

#### 6.8 NETWORK INDICATOR VZ\_TC\_USIMISIMINT\_6107

Requirement Name	Requirement Plan Id	Created By	Created Date
MULTIPLE PLMN SUPPORT	LTEB13NAC	Admin User	11-07-0013 14:25:21
PLMN SUPPORT	LTEB13NAC	Admin User	11-07-0013 14:25:17
SERVICE AREA RESOLUTION IN M-	LTEB13NAC	Admin	11-07-0013

PLMN		User	14:28:10
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