

**Test Plan**

Plan Name: LTE_Device-UICC-ISIM_Interaction_TestPlan

Plan Id: USIMISIMINT

Version Number: 3

Release Date: February 2025

Latest Release Date: February 2025 : Open Access

| | | |
|--|------------------------------------|----|
| 0.1 Revision History | VZ_TC_USIMISIMINT_1394257485735030 | 8 |
| 2.1 Reaction of a Terminal receiving no ATR | VZ_TC_USIMISIMINT_6109 | 9 |
| 2.2 Electrical tests on contact C1, Test 1 | VZ_TC_USIMISIMINT_6110 | 10 |
| 2.3 Electrical tests on contact C1, Test 2 | VZ_TC_USIMISIMINT_6111 | 11 |
| 2.4 Electrical tests on contact C2 | VZ_TC_USIMISIMINT_6112 | 12 |
| 2.5 Electrical tests on contact C3 | VZ_TC_USIMISIMINT_6113 | 13 |
| 2.6 Electrical tests on contact C7 | VZ_TC_USIMISIMINT_6114 | 14 |
| 2.7 Clock stop 1,8V | VZ_TC_USIMISIMINT_6115 | 15 |
| 2.8 Clock stop 3V | VZ_TC_USIMISIMINT_6116 | 16 |
| 2.9 Speed Enhancement | VZ_TC_USIMISIMINT_6117 | 17 |
| 2.10 Bit-character duration - Terminal to the UICC | VZ_TC_USIMISIMINT_6118 | 18 |
| 2.11 Bit-character duration - UICC to Terminal | VZ_TC_USIMISIMINT_6119 | 19 |
| 2.12 Timing | VZ_TC_USIMISIMINT_6120 | 20 |
| 2.13 Command processing, ACK, NACK, NULL | VZ_TC_USIMISIMINT_6121 | 21 |
| 2.14 Case 2 command | VZ_TC_USIMISIMINT_6122 | 22 |
| 2.15 Case 4 command - 61xx | VZ_TC_USIMISIMINT_6123 | 23 |
| 2.16 Command processing, warning and error status | VZ_TC_USIMISIMINT_6124 | 24 |
| 2.17 Error correction | VZ_TC_USIMISIMINT_6125 | 25 |
| 2.18 Error detection | VZ_TC_USIMISIMINT_6127 | 26 |
| 2.19 Command processing, multiple NULL | VZ_TC_USIMISIMINT_6091 | 27 |
| 2.20 Case 4 command - 6100 | VZ_TC_USIMISIMINT_6092 | 29 |
| 3.1 Device identification by short IMSI | VZ_TC_USIMISIMINT_6128 | 31 |
| 3.2 Device identification by short IMSI | VZ_TC_USIMISIMINT_6129 | 32 |
| 3.3 Device Identification after changed IMSI | VZ_TC_USIMISIMINT_6130 | 33 |
| 3.4 Device Identification by GUTI | VZ_TC_USIMISIMINT_6131 | 34 |
| 3.5 Device Identification by GUTI | VZ_TC_USIMISIMINT_6132 | 35 |
| 3.6 Access Control Information handling | VZ_TC_USIMISIMINT_6133 | 36 |
| 3.7 Entry of PIN Void Part of GCF Certification | VZ_TC_USIMISIMINT_6134 | 37 |
| 3.8 Change of PIN Void Part of GCF Certification | VZ_TC_USIMISIMINT_6135 | 38 |
| 3.9 Unblock PIN | VZ_TC_USIMISIMINT_6136 | 39 |
| 3.10 Entry of PIN2 | VZ_TC_USIMISIMINT_6137 | 40 |

| | |
|--|----|
| 3.11 Change of PIN2 Void Part of GCF Certification VZ_TC_USIMISIMINT_6138 | 41 |
| 3.12 Unblock PIN2 Void Part of GCF Certification VZ_TC_USIMISIMINT_6139 | 42 |
| 3.13 Entry of PIN on multi-verification capable UICCs VZ_TC_USIMISIMINT_6140 | 43 |
| 3.14 Change of PIN on multi-verification capable UICCs VZ_TC_USIMISIMINT_6141 | 44 |
| 3.15 Unblock PIN VZ_TC_USIMISIMINT_6142 | 45 |
| 3.16 Entry of PIN2 VZ_TC_USIMISIMINT_6143 | 46 |
| 3.17 Change of PIN2 on multi-verification capable UICCs VZ_TC_USIMISIMINT_6144 | 47 |
| 3.18 Unblock PIN2 VZ_TC_USIMISIMINT_6145 | 48 |
| 3.20 Reserved VZ_TC_USIMISIMINT_6156 | 49 |
| 3.26 Adding FPLMN to the Forbidden PLMN list VZ_TC_USIMISIMINT_6157 | 50 |
| 3.27 Device updating forbidden PLMNs VZ_TC_USIMISIMINT_6158 | 51 |
| 3.28 Device deleting forbidden PLMNs VZ_TC_USIMISIMINT_6159 | 52 |
| 3.29 Device updating the User controlled PLMN VZ_TC_USIMISIMINT_6160 | 53 |
| 3.37 Correct storage of a Short Message on the USIM VZ_TC_USIMISIMINT_6161 | 54 |
| 3.39 UICC presence detection VZ_TC_USIMISIMINT_6163 | 55 |
| 3.38 Correct reading of a Short Message on the USIM VZ_TC_USIMISIMINT_6162 | 56 |
| 3.40 Access Point Name Control List handling VZ_TC_USIMISIMINT_6164 | 57 |
| 3.43 NAS security context parameter VZ_TC_USIMISIMINT_6166 | 59 |
| 3.44 NAS security context parameter VZ_TC_USIMISIMINT_6167 | 60 |
| 3.45 NAS security context parameter VZ_TC_USIMISIMINT_6168 | 61 |
| 3.51 SQN Re-Synchronization VZ_TC_USIMISIMINT_8851 | 62 |
| 4.1 PROFILE DOWNLOAD VZ_TC_USIMISIMINT_6169 | 64 |
| 4.2 Contents of the TERMINAL PROFILE VZ_TC_USIMISIMINT_6170 | 65 |
| 4.3 Servicing of proactive UICC commands VZ_TC_USIMISIMINT_6171 | 66 |
| 4.4 More time VZ_TC_USIMISIMINT_6172 | 68 |
| 4.5 Poll Interval VZ_TC_USIMISIMINT_6173 | 69 |
| 4.6 REFRESH VZ_TC_USIMISIMINT_6174 | 70 |
| 4.7 REFRESH VZ_TC_USIMISIMINT_6175 | 71 |
| 4.8 REFRESH VZ_TC_USIMISIMINT_6176 | 72 |
| 4.9 REFRESH VZ_TC_USIMISIMINT_6177 | 74 |
| 4.10 REFRESH VZ_TC_USIMISIMINT_6178 | 75 |
| 4.11 REFRESH VZ_TC_USIMISIMINT_6179 | 76 |

| | |
|---|-----|
| 4.13 REFRESH VZ_TC_USIMISIMINT_6183 | 81 |
| 4.16 SEND SHORT MESSAGE VZ_TC_USIMISIMINT_6187 | 83 |
| 4.17 SEND SHORT MESSAGE VZ_TC_USIMISIMINT_6188 | 84 |
| 4.18 SEND SHORT MESSAGE VZ_TC_USIMISIMINT_6189 | 85 |
| 4.20 SEND SHORT MESSAGE VZ_TC_USIMISIMINT_6190 | 87 |
| 4.21 SEND SHORT MESSAGE VZ_TC_USIMISIMINT_6191 | 88 |
| 4.22 POLLING OFF VZ_TC_USIMISIMINT_6192 | 89 |
| 4.23 PROVIDE LOCAL INFORMATION VZ_TC_USIMISIMINT_6198 | 90 |
| 4.24 PROVIDE LOCAL INFORMATION VZ_TC_USIMISIMINT_6199 | 91 |
| 4.25 PROVIDE LOCAL INFORMATION VZ_TC_USIMISIMINT_6200 | 93 |
| 4.26 PROVIDE LOCAL INFORMATION VZ_TC_USIMISIMINT_6201 | 94 |
| 4.27 PROVIDE LOCAL INFORMATION VZ_TC_USIMISIMINT_6202 | 95 |
| 4.28 PROVIDE LOCAL INFORMATION VZ_TC_USIMISIMINT_6203 | 96 |
| 4.28 a PROVIDE LOCAL INFORMATION VZ_TC_USIMISIMINT_6204 | 97 |
| 4.33 TIMER MANAGEMENT VZ_TC_USIMISIMINT_6205 | 98 |
| 4.34 TIMER MANAGEMENT VZ_TC_USIMISIMINT_6206 | 99 |
| 4.35 TIMER MANAGEMENT VZ_TC_USIMISIMINT_6207 | 100 |
| 4.36 TIMER MANAGEMENT VZ_TC_USIMISIMINT_6208 | 101 |
| 4.37 TIMER MANAGEMENT VZ_TC_USIMISIMINT_6209 | 102 |
| 4.38 TIMER MANAGEMENT VZ_TC_USIMISIMINT_6210 | 103 |
| 4.39 TIMER EXPIRATION VZ_TC_USIMISIMINT_6211 | 104 |
| 4.40 TIMER EXPIRATION VZ_TC_USIMISIMINT_6212 | 106 |
| 4.41 OPEN CHANNEL VZ_TC_USIMISIMINT_6213 | 108 |
| 4.42 OPEN CHANNEL VZ_TC_USIMISIMINT_6214 | 110 |
| 4.43 OPEN CHANNEL VZ_TC_USIMISIMINT_6215 | 112 |
| 4.44 OPEN CHANNEL VZ_TC_USIMISIMINT_6216 | 114 |
| 4.44 a OPEN CHANNEL VZ_TC_USIMISIMINT_6217 | 118 |
| 4.44 b OPEN CHANNEL VZ_TC_USIMISIMINT_6218 | 120 |
| 4.44 c OPEN CHANNEL VZ_TC_USIMISIMINT_6219 | 125 |
| 4.44 d OPEN CHANNEL VZ_TC_USIMISIMINT_6220 | 130 |
| 4.45 CLOSE CHANNEL VZ_TC_USIMISIMINT_6221 | 132 |
| 4.45 a CLOSE CHANNEL VZ_TC_USIMISIMINT_6222 | 133 |

| | |
|---|-----|
| 4.46 CLOSE CHANNEL VZ_TC_USIMISIMINT_6223 | 134 |
| 4.47 CLOSE CHANNEL VZ_TC_USIMISIMINT_6224 | 135 |
| 4.48 RECEIVE DATA VZ_TC_USIMISIMINT_6225 | 136 |
| 4.49 SEND DATA VZ_TC_USIMISIMINT_6226 | 138 |
| 4.50 SEND DATA VZ_TC_USIMISIMINT_6227 | 139 |
| 4.51 SEND DATA VZ_TC_USIMISIMINT_6228 | 140 |
| 4.52 SEND DATA VZ_TC_USIMISIMINT_6229 | 141 |
| 4.53 SEND DATA VZ_TC_USIMISIMINT_6230 | 142 |
| 4.54 GET CHANNEL STATUS VZ_TC_USIMISIMINT_6231 | 143 |
| 4.55 GET CHANNEL STATUS VZ_TC_USIMISIMINT_6232 | 144 |
| 4.56 GET CHANNEL STATUS VZ_TC_USIMISIMINT_6233 | 145 |
| 4.57 SMS-PP Data Download over IMS VZ_TC_USIMISIMINT_6234 | 146 |
| 4.58 SMS-PP Data Download over IMS VZ_TC_USIMISIMINT_6235 | 147 |
| 4.59 SMS-PP Data Download over IMS VZ_TC_USIMISIMINT_6236 | 148 |
| 4.60 SMS-PP Data Download over IMS VZ_TC_USIMISIMINT_6237 | 150 |
| 4.65 EVENT DOWNLOAD VZ_TC_USIMISIMINT_6242 | 152 |
| 4.66 EVENT DOWNLOAD VZ_TC_USIMISIMINT_6243 | 153 |
| 4.67 EVENT DOWNLOAD VZ_TC_USIMISIMINT_6244 | 154 |
| 4.68 EVENT DOWNLOAD VZ_TC_USIMISIMINT_6245 | 155 |
| 4.69 EVENT DOWNLOAD VZ_TC_USIMISIMINT_6246 | 157 |
| 4.70 REFRESH VZ_TC_USIMISIMINT_6247 | 159 |
| 4.71 Retrieve DNS IP address VZ_TC_USIMISIMINT_10264 | 161 |
| 4.72-Test PDN re-use set to 0 VZ_TC_USIMISIMINT_10265 | 163 |
| 4.73-Test PDN re-use set to 1 VZ_TC_USIMISIMINT_10266 | 165 |
| 4.74 -Successful_IMS Registration VZ_TC_USIMISIMINT_10267 | 167 |
| 4.75 -UnSuccessful_IMS Registration VZ_TC_USIMISIMINT_886526 | 168 |
| 5.1 Handling Private User Identity VZ_TC_USIMISIMINT_6248 | 170 |
| 5.2 Handling of Public User Identity in IMS registration VZ_TC_USIMISIMINT_6249 | 171 |
| 5.3 Handling of Public User Identity for mobile originating IMS sessions VZ_TC_USIMISIMINT_6250 | 172 |
| 5.4 Home Domain Usage VZ_TC_USIMISIMINT_6251 | 173 |
| 5.5 P-CSCF Usage VZ_TC_USIMISIMINT_6252 | 174 |
| 6.0 Test cases: Multiple PLMN VZ_TC_USIMISIMINT_1485500 | 175 |

| | |
|---|-----|
| 6.1 PLMN OPERATIONS, UE SUPPORTS EHPLMN LIST SENT BY UICC VZ_TC_USIMISIMINT_6100 | 177 |
| 6.2 PLMN OPERATIONS, UE SUPPORTS OPLMNWACT LIST SENT BY UICC VZ_TC_USIMISIMINT_6101 | 179 |
| 6.3 VOID VZ_TC_USIMISIMINT_6102 | 181 |
| 6.4 VOID VZ_TC_USIMISIMINT_6103 | 182 |
| 6.5 PLMN OPERATIONS, UE DECODES UP TO 6 PLMN IDS VZ_TC_USIMISIMINT_6104 | 183 |
| 6.6 VOID VZ_TC_USIMISIMINT_6105 | 185 |
| 6.7 PLMN OPERATIONS, UE PRIORITIZES HOME PLMN OVER ROAMING PLMN VZ_TC_USIMISIMINT_6106 | 186 |
| 6.8 NETWORK INDICATOR VZ_TC_USIMISIMINT_6107 | 188 |
| Void 44 VZ_TC_USIMISIMINT_6096 | 190 |
| Void 44B VZ_TC_USIMISIMINT_6097 | 193 |
| Void 44C VZ_TC_USIMISIMINT_6098 | 197 |
| Void VZ_TC_USIMISIMINT_6099 | 201 |
| GCF Certification VZ_TC_USIMISIMINT_3019009 | 205 |
| 27.22.4.4.1 / 1 More time VZ_TC_USIMISIMINT_4199420 | 206 |
| 27.22.4.7.1 / 3 REFRESH, USIM Initialization and File Change Notification VZ_TC_USIMISIMINT_4199419 | 207 |
| 27.22.4.7.1 REFRESH, USIM Initialization after SMS-PP data download VZ_TC_USIMISIMINT_4199417 | 208 |
| 27.22.4.7.1 REFRESH, USIM Initialization and Full File Change Notification VZ_TC_USIMISIMINT_4199418 | 209 |
| 27.22.7.4.1 / 2 EVENT DOWNLOAD-LOCATION STATUS, E-UTRAN VZ_TC_USIMISIMINT_4199249 | 210 |
| 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 | 211 |
| 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 | 212 |
| 27.22.4.15.1 / 2 PROVIDE LOCAL INFORMATION, IMEI of the device VZ_TC_USIMISIMINT_4199414 | 213 |
| 27.22.4.15.1 / 14 PROVIDE LOCAL INFORMATION, Access Technology, E-UTRAN VZ_TC_USIMISIMINT_4199413 | 214 |
| 27.22.4.15.1 PROVIDE LOCAL INFORMATION, IMEISV of the terminal VZ_TC_USIMISIMINT_4199412 | 215 |
| 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 | 216 |
| 27.22.4.27.6 / 2 OPEN CHANNEL, immediate link establishment, E-UTRAN, bearer type '0B' (Refer to additional details in section 4.1 below) VZ_TC_USIMISIMINT_4199410 | 217 |
| 27.22.4.27.6 / 5 OPEN CHANNEL, immediate link establishment, E-UTRAN, bearer type '03' – Default EPS bearer VZ_TC_USIMISIMINT_4199253 | 218 |

| | |
|--|-----|
| 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 | 219 |
| 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 | 220 |
| 27.22.4.28.3 /1 CLOSE CHANNEL, Default EPS bearer, successful VZ_TC_USIMISIMINT_4199252 | 221 |
| 27.22.4.29.1 /2 RECEIVE DATA, already opened channel, E-UTRAN, APN different from default) VZ_TC_USIMISIMINT_4199248 | 222 |
| 27.22.4.30.3 /1 SEND DATA, E-UTRAN, Default EPS bearer, immediate mode VZ_TC_USIMISIMINT_4199251 | 223 |
| 27.22.5.3 /1 SMS-PP Data Download, General Data Coding, Acknowledgement VZ_TC_USIMISIMINT_4199250 | 224 |
| 4.76 SEND SHORT MESSAGE (over SGs in E-UTRAN) VZ_TC_USIMISIMINT_8439469 | 225 |
| 4.77 SMS-PP Data Download over SGs in E-UTRAN VZ_TC_USIMISIMINT_8439474 | 226 |
| 4.78 EVENT Download (MSISDN in PCO) VZ_TC_USIMISIMINT_8455442 | 227 |
| 4.79 REFRESH Enforcement Policy, enforcement not set VZ_TC_USIMISIMINT_8456097 | 231 |
| 10.1.1 Automatic CSG selection in E-UTRA with CSG list on USIM, success VZ_TC_USIMISIMINT_9385359 | 235 |
| 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 | 236 |
| 10.1.3 Manual CSG selection in E-UTRA with CSG list on USIM, success VZ_TC_USIMISIMINT_9487700 | 237 |
| 10.1.4 Manual CSG selection in E-UTRA with CSG list on USIM, rejected VZ_TC_USIMISIMINT_9487709 | 238 |
| 10.1.5 Manual CSG selection in E-UTRA with no CSG list on USIM, no IMSI change VZ_TC_USIMISIMINT_9487727 | 239 |
| 10.1.6 Manual CSG selection in E-UTRA with no CSG list on USIM, with IMSI change VZ_TC_USIMISIMINT_9487748 | 240 |
| 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 | 241 |
| 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 | 242 |
| 4.80 REFRESH Enforcement Policy, enforcement set VZ_TC_USIMISIMINT_4105999311930705 | 243 |

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 C₁, 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 C₁, Test 1

| Test Case | VZW_LTE_UICC_ | Test Case Section |
|-----------|---------------|-------------------|
| 2.2 | 2 | 5.2.2.1 |

2.3 Electrical tests on contact C₁, 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 C₁, 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 C₃ 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 C₃

| 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 |

2.12 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 |
|-----------|---------------|-------------------|
| 2.12 | 12 | 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 |
|--|
| <p>The Terminal shall be connected to the UICC simulator, and powered on.</p> <p>T=0 ATR shall have been received and eventual PPS procedure successfully completed.</p> |
| Procedures |
| <ul style="list-style-type: none"> 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 SW₁ and SW₂, indicating correct execution of the command ("90" and "00" for SW₁ and SW₂ respectively). |
| Expected Results |
| <p>The command shall be executed correctly.</p> |

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 AC₀₀-AC₀₉.

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

3.12 Unblock PIN2 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 PIN2
Void Part of GCF Certification

| Test Case | VZW_LTE_USIM_ | Test Case Section |
|-----------|---------------|-------------------|
| 3.12 | 12 | 6.1.6 |

Test Purpose

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

3.13 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 PIN₂ 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 PIN₂ 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 PIN₂ 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 PIN₂

3.17 Change of PIN₂ on multi-verification capable UICCs VZ_TC_USIMISIMINT_6144

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 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 PIN₂ 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 PIN₂.

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

Patvi5s

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

Patvi5s

3.4.0 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 |
|-----------|---------------|-------------------|
| 3.4.0 | 4.0 | 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.

Patvi5s

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

Patvi5s

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

PatV15S

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

Patvi5s

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_{ACL} shall be present with the following values:

EF_{ACL} (Access Point Control List)

Logically: Number of available bytes: 64
 Number of APNs: 3
 1st APN: test12.st
 2nd APN: 3gpp.test
 3rd APN: 2gpp.test
 4th 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

PatV15S

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_USISIMINT_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

Patvi5s

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 | 2.7.2.2.4.1 4.1 | 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

4.24 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 |
|-----------|---------------|------------------|-----------------|
| 4.24 | 24 | 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

Patvi5s

4.25 PROVIDE LOCAL INFORMATION VZ_TC_USISIMINT_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_USISIMINT_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

Patvi15s

4.4o 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 |
|-----------|---------------|------------------|-----------------|
| 4.4o | 4o | 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

Patvi5s

4.4 I 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 I | 4 I | 27.22.4.27.6 | I |

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.

Patvi5s

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 "TestGprs" 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.

PatV15S

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.

PatV15S

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: o (Subscribed maximum bit rate for uplink)
 Maximum bit rate for downlink: o (Subscribed maximum bit rate for downlink)
 Guaranteed bit rate for uplink: o (Use the value indicated by the maximum bit rate for uplink)

Guaranteed bit rate for downlink: 0 (Use the value indicated by the maximum bit rate for downlink)
 Maximum bit rate for uplink (extended): 0
 Maximum bit rate for downlink (extended): 0
 Guaranteed bit rate for uplink (extended): 0
 Guaranteed bit rate for downlink (extended): 0
 PDN Type: IP
 Buffer
 Buffer size: 1400
 Network access name: TestGp.rs
 Text String: "UserLog" (User login)
 Text String: "UserPwd" (User password)
 UICC/ME interface transport level
 Transport format: TCP
 Port number: 44444
 Data destination address 01.01.01.01

Coding:

| 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 | | | | | | | | | | |
|--|----|--|--|--|--|--|--|--|--|--|--|

Patvi5s

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 "TestGprs" 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.

Patvi15s

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 | UserLog |
| User login: | | |
| 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.

Patvi5s

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 |
|-----------|---------------|------------------|-----------------|
|-----------|---------------|------------------|-----------------|

| | | | |
|------|----|--------------|---|
| 4.48 | 48 | 27.22.4.29.1 | 2 |
|------|----|--------------|---|

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.

4.50 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.

4.5.1 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 |
|-----------|---------------|------------------|-----------------|
| 4.5.1 | 5.1 | 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_USIMISIMINT_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_USIMISIMINT_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 | 27.22.4.3.1.1 | 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.

Patvi5s

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 |
|------|----|-----------|---|

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 | 27.22.7.1.1 | 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.

Patvi5s

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.

Patvi15s

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 |
|------|----|-------------|---|

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.

4.71 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 |
|-----------|---------------|------------------|-----------------|
| 4.71 | 71 | | |

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

| |
|---|
| 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

| Design Steps |
|--------------|
| Step Name |

| |
|--|
| Step 1 |
| Pre-Conditions |
| null |
| Procedures |
| <ol style="list-style-type: none"> 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 |
| <ol style="list-style-type: none"> 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"> 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 (1.1.1.1) IP address. 4. Initiate CLOSE CHANNEL using PDN reuse bit set to 0. |
| Expected Results |
| <ol style="list-style-type: none"> 1. Device shall provide a Terminal Profile which has all corresponding bits for Rel 12 DNS and PDN Reuse set. 2. UICC shall send an initial OPEN CHANNEL request with IP address defined above. 3. The UICC shall issue a CLOSE CHANNEL with the Re-Use bit set to 0. 4. The Device shall deactivate the VZWADMIN PDN connection and provide a successful Terminal Response. |

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 |
|----------------------|

| |
|---|
| 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"> 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 (1.1.1.1) IP address. 4. Initiate CLOSE CHANNEL using PDN reuse bit set to 1. 5. initiate OPEN CHANNEL using VZWADMIN APN with (1.1.1.1) IP address |
| Expected Results |
| <ol style="list-style-type: none"> 1. Device shall provide a Terminal Profile which has all corresponding bits for Rel 12 DNS and PDN Reuse set. 2. UICC shall send an initial OPEN CHANNEL request with IP address defined above. 3. The UICC shall issue a CLOSE CHANNEL with the Re-Use bit set to 1. 4. The Device shall keep the VZWADMIN PDN connection open and provide a Terminal Response. 5. The Device shall reuse the existing VZWADMIN PDN connection to establish any further BIP connection requests. |

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

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"> 1. Power on the Device 2. Initiate a proactive command: SET UP EVENT LIST with event type "IMS Registration" 3. Enable the RF with B13 MCC 001 MNC 010 4. Configure the IMS server to send SIP 403 error when the device makes a SIP registration request |
| Expected Results |
| <ol style="list-style-type: none"> 1. Device shall provide a Terminal Profile which has all corresponding bits for Rel 12 DNS and PDN Reuse set. 2. The device shall send a successful Terminal response for the proactive command SET UP EVENT LIST. |

- | |
|--|
| 3. The device shall send ENVELOPE: EVENT DOWNLOAD with IMS Registration failure indication |
|--|

Patvi15s

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

PatV15S

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_{IMPU} of ISIM.

Description

A Public User Identity shall be used as a part of the IMS registration requests.

PatV15S

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_{IMPU} of ISIM

Description

Public User Identity shall be contained in the SIP message for Mobile Originating messages.

PatV15S

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_{HOMEDOMAIN} 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.

PatV15S

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.

PatV15S

6.0 Test cases: Multiple PLMN VZ_TC_USIMISIMINT_1485500

PLMN ID Configuration

PLMNID₁ = 001 01PLMNID₂ = 002 02PLMNID₃ = 003 03PLMN ID₄ = 004 04PLMNID₅ = 005 05PLMNID₆ = 006 06

PNN file:

| Re c. # | FULL_NW_N AME_ 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 | |
|-----------|-----|---------|------------------------|-----------------------|-------------------|------------------|
| OPL File: | | | | | | |
| REC. # | MCC | MN C | LAC_TAC_RANGE START | LAC_TAC_RANGE_E ND | PNN_RECORD_I D | 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: *3rd 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: *3rd 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: *3rd 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"> 1. Configure the eNB emulator to broadcast PLMN_{ID1} in its SIB1 message. 2. Configure in the UICC EF_{EHPLMN} with PLMN_{ID1} and PLMN_{ID2}. 3. Configure in the UICC EF_{OPLMNwACT} with PLMN_{ID3} and PLMN_{ID4} 4. Power up the UE. 5. Verify that the UE acquired the PLMN_{ID1} from the UICC EF_{EHPLMN} with all the contents in the same order as defined in the UICC. 6. Power down the UE. 7. Configure the eNB emulator to broadcast PLMN_{ID2} in its SIB1 message. 8. Power up the UE 9. Verify that the UE acquired the PLMN_{ID2} from the UICC EF_{EHPLMN} with all the contents in the same order as defined in the UICC. |

Expected Results

The UE shall correctly acquire the eHPLMN list from the UICC.

PatV15S

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: 3rd 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: 3rd 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: 3rd 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"> 1. Configure the eNB emulator to broadcast PLMN_{ID3} in its SIB1 message. 2. Configure in the UICC EF_{EHPLMN} with PLMN_{ID1} and PLMN_{ID2}. 3. Configure in the UICC EF_{OPLMNwACT} with PLMN_{ID3} and PLMN_{ID4}. 4. Power up the UE. 5. Verify that the UE acquired the PLMN_{ID3}. 6. Power down the UE 7. Configure the eNB emulator to broadcast PLMN_{ID4} in its SIB1 message. 8. Power up the UE 9. Verify that the UE acquired PLMN_{ID4}. |

Expected Results

The UE shall correctly acquire the roaming PLMN list from the UICC.

Patvi5s

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: *3rd 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: *3rd 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: *3rd 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"> 1. Configure the eNB emulator to broadcast PLMN_{ID1} through PLMN_{ID6} in its SIB₁ message. 2. Configure in the UICC EF_{EHPLMN} with PLMN_{ID1}. 3. Power up the UE. 4. Verify that the UE acquired the PLMN_{ID1} from the UICC EF_{EHPLMN}. 5. Power down UE 6. Configure in the UICC EF_{EHPLMN} with PLMN_{ID2}. 7. Power up the UE. 8. Verify that the UE acquired the PLMN_{ID2} from the UICC EF_{EHPLMN}. 9. Power down the UE 10. Configure in the UICC EF_{EHPLMN} with PLMN_{ID3}. |

- I 1. Power up the UE.
- I 2. Verify that the UE acquired the PLMN_{ID₃} from the UICC EF_{EHPLMN}.
- I 3. Power down the UE
- I 4. Configure in the UICC EF_{EHPLMN} with PLMN_{ID₄}.
- I 5. Power up the UE.
- I 6. Verify that the UE acquired the PLMN_{ID₄} from the UICC EF_{EHPLMN}.
- I 7. Power down the UE
- I 8. Configure in the UICC EF_{EHPLMN} with PLMN_{ID₅}.
- I 9. Power up the UE.
20. Verify that the UE acquired the PLMN_{ID₅} from the UICC EF_{EHPLMN}.
21. Power down the UE
22. Configure in the UICC EF_{EHPLMN} with PLMN_{ID₆}.
23. Power up the UE.
24. Verify that the UE acquired the PLMN_{ID₆} from the UICC EF_{EHPLMN}.

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: 3rd 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: 3rd 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: 3rd 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"> 1. Configure the eNB emulator to broadcast PLMN_{ID1}. 2. Configure in the UICC EF_{EHPLMN} with PLMN_{ID1} through PLMN_{ID4}. 3. Configure in the UICC EF_{OPLMNwACT} with PLMN_{ID1} and PLMN_{ID4} through PLMN_{ID6}. 4. Power up the UE. 5. Verify that the UE acquired the PLMN_{ID1} from the UICC EF_{EHPLMN}. 6. Power down UE. 7. Configure the eNB emulator to broadcast PLMN_{ID2}. 8. Verify that the UE acquired the PLMN_{ID2} from the UICC EF_{EHPLMN}. 9. Power down UE. |

- I 0. Configure the eNB emulator to broadcast PLMN_{ID3}
- I 1. Verify that the UE acquired the PLMN_{ID3} from the UICC EF_{EHPLMN}.
- I 2. Power down UE.
- I 3. Configure the eNB emulator to broadcast PLMN_{ID4}
- I 4. Verify that the UE acquired the PLMN_{ID4} from the UICC EF_{EHPLMN}.
- I 5. Power down UE.
- I 6. Configure the eNB emulator to broadcast PLMN_{ID5}
- I 7. Verify that the UE acquired the PLMN_{ID5} from the UICC EF_{OPLMNwACT}.
- I 8. Power down UE.
- I 9. Configure the eNB emulator to broadcast PLMN_{ID6}
20. Verify that the UE acquired the PLMN_{ID6} 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"> 1. Configure in the UICC EFEHPLMN with PLMNID₁. 2. Configure in the UICC EFOPLMN_wACT with PLMNID₂. 3. Configure in UICC EFPNN and EFOPL as per section 6.0 4. Configure the eNB emulator to broadcast PLMNID₁ in its SIB₁ message. 5. Power up the UE. 6. Verify that the UE acquired the PLMNID₁ from the UICC EFEHPLMN and had no roaming indicator. 7. Power down the UE. 8. Configure the eNB emulator to broadcast PLMNID₂ in its SIB₁ message. 9. Power up the UE. |

10. Verify that the UE acquired the PLMNID₂ from the UICC EFOPLMNwACT and displayed roaming indicator.
11. Power down the UE.
12. Configure eNB emulator to broadcast PLMNID₃ in its SIB₁ message.
13. Power up the UE.
14. Verify that UE acquired PLMNID₃ 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?" | | | |

| | | | | | | | | | | | | |
|---|----|----|----|----|----|----|----|----|----|----|----|----|
| <p>Bearer</p> <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> <p>PDN Type: IP</p> <p>Buffer</p> <p>Buffer size: 1400</p> <p>Coding:</p> | | | | | | | | | | | | |
| 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><u>With 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> | | | |

| | | | | | | | | | | | | |
|--|----|----|----|----|----|----|----|----|----|----|----|----|
| 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: | 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 | | | | |

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 | |

| | | | | | | | | | | | | |
|------------------|--|--|--|--|--|--|--|--|--|--|--|--|
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| Expected Results | | | | | | | | | | | | |
| null | | | | | | | | | | | | |

Patvi5s

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><u>With user name/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> | | | |

| | | | | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|--|--|--|--|
| 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: | 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 | | | | |

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 | |

| | | | | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|--|--|--|--|
| | | | | | | | | | | | | |
| <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 | | | | | | | | | | | | |

Patvi5s

Void vz_TC_USIMISIMINT_6099

null

| Design Steps | | | |
|--|-----------|--|---|
| Step Name | | | |
| Step 1 | | | |
| Pre-Conditions | | | |
| null | | | |
| Procedures | | | |
| 2.7.2.2.4.7.1.4.2 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> <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 | 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 | | | | |
| <p>TERMINAL RESPONSE: OPEN CHANNEL 6.4.1</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: ME</p> <p>Destination device: UICC</p> <p>Result</p> <p>General Result: Bearer Independent Protocol error</p> <p>Additional Information: No specific cause can be given</p> <p>Bearer description</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: Because the value depends in this case on the terminal's implementation, it shall be ignored.</p> <p>Coding:</p> | | | | | | | | | | | | |
| 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 | |

| | |
|------------------|--|
| | <p>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.</p> |
| | <p>27.22.4.7.1.5 Test requirement The ME shall operate in the manner defined in expected sequences 1.7.</p> |
| 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.

Patvi5s

27.22.4.4.1 /1 More time VZ_TC_USIMISIMINT_4199420

Patvi5s

27.22.4.7.1 /3 REFRESH, USIM Initialization and File Change Notification

VZ_TC_USIMISIMINT_4199419

null

Patvi5s

27.22.4.7.1 REFRESH, USIM Initialization after SMS-PP data download

VZ_TC_USIMISIMINT_4199417

Patv15s

27.22.4.7.1 REFRESH, USIM Initialization and Full File Change Notification

VZ_TC_USIMISIMINT_4199418

null

PatV15S

27.22.7.4.1 /2 EVENT DOWNLOAD -LOCATION STATUS, E-UTRAN

VZ_TC_USIMISIMINT_4199249

null

PatV15S

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

PatV15S

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

PatV15S

27.22.4.15.1 /2 PROVIDE LOCAL INFORMATION, IMEI of the device

VZ_TC_USIMISIMINT_4199414

null

Patvi5s

27.22.4.15.1 / 14 PROVIDE LOCAL INFORMATION, Access Technology, E-
UTRAN vz_TC_USIMISIMINT_4199413

null

Patvi15s

27.22.4.15.1 PROVIDE LOCAL INFORMATION, IMEISV of the terminal**VZ_TC_USIMISIMINT_4199412**

null

patvi15s

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

Patvi15s

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

Patvi15s

27.22.4.27.6 /5 OPEN CHANNEL, immediate link establishment, E-UTRAN, bearer type '03' – Default EPS bearer **vz_TC_USIMISIMINT_4199253**

Patvi5s

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

Patvi5s

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

Patvi5s

27.22.4.28.3 /1 CLOSE CHANNEL, Default EPS bearer, successful

VZ_TC_USIMISIMINT_4199252

null

PatV15S

27.22.4.29.1 /2 RECEIVE DATA, already opened channel, E-UTRAN, APN
different from default) VZ_TC_USIMISIMINT_4199248

null

PatV15S

27.22.4.30.3 /1 SEND DATA, E-UTRAN, Default EPS bearer, immediate mode
VZ_TC_USIMISIMINT_4199251

null

PatV15S

27.22.5.3 /1 SMS-PP Data Download, General Data Coding, Acknowledgement

VZ_TC_USIMISIMINT_4199250

null

PatV15S

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[P1='02'] | ME indicates to USIM that the termination procedure is starting. |
| 6 | ME ® UICC | ME resets the UICC, performs USIM Initialization, including send STATUS [P1='01'] and no TERMINAL RESPONSE shall be sent. | |
| 7 | UICC ® ME | PROACTIVE UICC SESSION ENDED | |
| 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 – C2 P1 – 00 P2 – 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 |
|----------|----|----|----|----|----|----|----|----|----|----|----|

Expected Result

The ME shall operate in the manner defined in expected sequences

Patvi5s

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 ® ME | PROACTIVE COMMAND : REFRESH | USIM Initialization with Full FCN |
| 5 | ME ® UICC | TERMINAL RESPONSE: REFRESH | ME rejects REFRESH proactive command: Busy on Call |
| 6 | UICC ® ME | PROACTIVE UICC SESSION ENDED | Note: EF IMSI, EF LOCI and EF PS LOCI are not updated by the UICC |
| 7 | USER ® 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 |
| | | | | | | | | | | | |

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

Patvi5s

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 _I '01'] | 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: | D0 | 0C | 81 | 03 | 01 | 01 | 00 | 82 | 02 | 81 | 82 |
| | 3A | 01 | 04 | | | | | | | | |

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 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

Expected Result

Refresh is executed, MO VoLTE call is dropped.

The ME shall operate in the manner defined in expected sequences

RequirementCoverageForTestPlan

2.1 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 | LTEB13NAC | Admin User | 11-07-0013 14:24:43 |

2.5 Electrical tests on contact C3 VZ_TC_USIMISIMINT_6113

| 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 |

2.6 Electrical tests on contact C7 VZ_TC_USIMISIMINT_6114

| 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 |

2.7 Clock stop 1,8V VZ_TC_USIMISIMINT_6115

| Requirement Name | Requirement Plan Id | Created By | Created Date |
|------------------|---------------------|------------|--------------|
|------------------|---------------------|------------|--------------|

| | | | |
|--|------------------------|------------|------------------------|
| ACTIVATION/DE-ACTIVATION OF CONTACTS TO THE UICC | LTEB ₁₃ NAC | Admin User | 11-07-0013 14:24:43 |
| DEVICE INTERFACE | LTEB ₁₃ NAC | Admin User | 11-07-0013 14:24:46 |
| FALLBACK SUPPORT | LTEB ₁₃ NAC | Admin User | 11-07-0013 14:24:49 |
| ISO/IEC-7816 SPEED | LTEB ₁₃ NAC | Admin User | 11-07-0013 14:24:47 |
| POWER SUPPLY | LTEB ₁₃ NAC | 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 | LTEB ₁₃ NAC | Admin User | 11-07-0013 14:24:43 |
| DEVICE INTERFACE | LTEB ₁₃ NAC | Admin User | 11-07-0013 14:24:46 |
| FALLBACK SUPPORT | LTEB ₁₃ NAC | Admin User | 11-07-0013 14:24:49 |
| ISO/IEC-7816 SPEED | LTEB ₁₃ NAC | Admin User | 11-07-0013 14:24:47 |
| POWER SUPPLY | LTEB ₁₃ NAC | Admin | 11-07-0013 |

| | | | |
|--|--|------|----------|
| | | User | 14:24:44 |
|--|--|------|----------|

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 | 11-07-0013 |

| | | | |
|--------------------|------------------------|---------------|------------------------|
| | | User | 14:24:46 |
| FALLBACK SUPPORT | LTEB ₁₃ NAC | Admin User | 11-07-0013 14:24:49 |
| ISO/IEC-7816 SPEED | LTEB ₁₃ NAC | Admin User | 11-07-0013 14:24:47 |
| POWER SUPPLY | LTEB ₁₃ NAC | Admin User | 11-07-0013 14:24:44 |

2.1.1 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 | LTEB ₁₃ NAC | Admin User | 11-07-0013 14:24:43 |
| DEVICE INTERFACE | LTEB ₁₃ NAC | Admin User | 11-07-0013 14:24:46 |
| FALLBACK SUPPORT | LTEB ₁₃ NAC | Admin User | 11-07-0013 14:24:49 |
| ISO/IEC-7816 SPEED | LTEB ₁₃ NAC | Admin User | 11-07-0013 14:24:47 |
| POWER SUPPLY | LTEB ₁₃ NAC | Admin User | 11-07-0013 14:24:44 |

2.12 Timing VZ_TC_USIMISIMINT_6120

| 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 |

2.13 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 | 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 |

2.14 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 | LTEB ₁₃ NAC | Admin User | 11-07-0013 14:24:43 |
| DEVICE INTERFACE | LTEB ₁₃ NAC | Admin User | 11-07-0013 14:24:46 |
| FALLBACK SUPPORT | LTEB ₁₃ NAC | Admin User | 11-07-0013 14:24:49 |
| ISO/IEC-7816 SPEED | LTEB ₁₃ NAC | Admin User | 11-07-0013 14:24:47 |
| POWER SUPPLY | LTEB ₁₃ NAC | 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 | LTEB ₁₃ NAC | Admin User | 11-07-0013 14:24:43 |
| DEVICE INTERFACE | LTEB ₁₃ NAC | Admin User | 11-07-0013 14:24:46 |
| FALLBACK SUPPORT | LTEB ₁₃ NAC | Admin User | 11-07-0013 14:24:49 |
| ISO/IEC-7816 SPEED | LTEB ₁₃ NAC | Admin User | 11-07-0013 14:24:47 |
| POWER SUPPLY | LTEB ₁₃ NAC | 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 |
|--|---------------------|------------|------------------------|
| 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 |

2.18 Error detection VZ_TC_USIMISIMINT_6127

| 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 |

2.19 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 | LTEB ₁₃ NAC | Admin User | 11-07-0013 14:24:43 |
| DEVICE INTERFACE | LTEB ₁₃ NAC | Admin User | 11-07-0013 14:24:46 |
| FALLBACK SUPPORT | LTEB ₁₃ NAC | Admin User | 11-07-0013 14:24:49 |
| ISO/IEC-7816 SPEED | LTEB ₁₃ NAC | Admin User | 11-07-0013 14:24:47 |
| POWER SUPPLY | LTEB ₁₃ NAC | 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 | LTEB ₁₃ NAC | 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 | LTEB ₁₃ NAC | 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 |

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 | LTEB ₁₃ NAC | 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 |
|------------------|------------------------|------------|---------------------|
| SUPPORT FOR USIM | LTEB ₁₃ NAC | Admin User | 11-07-0013 14:25:10 |

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 ₁₃ 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 ₁₃ 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 | LTEB13NAC | Admin User | 11-07-0013 14:25:10 |

3.16 Entry of PIN2 VZ_TC_USIMISIMINT_6143

| Requirement Name | Requirement Plan Id | Created By | Created Date |
|------------------|---------------------|------------|---------------------|
| SUPPORT FOR USIM | LTEB13NAC | Admin User | 11-07-0013 14:25:10 |

3.17 Change of PIN2 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 PIN2 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 | LTEB ₁₃ NAC | 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 | LTEB ₁₃ NAC | Admin User | 11-07-0013 14:25:10 |

3.27 Device updating forbidden PLMNs VZ_TC_USIMISIMINT_6158

| Requirement Name | Requirement Plan Id | Created By | Created Date |
|------------------|------------------------|------------|---------------------|
| SUPPORT FOR USIM | LTEB ₁₃ NAC | 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 | LTEB ₁₃ NAC | 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 | LTEB ₁₃ NAC | 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 | LTEB ₁₃ NAC | 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 ₁₃ 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 ₁₃ 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 | LTEB13NAC | Admin User | 11-07-0013 14:25:14 |
| SUPPORT FOR APPLICATION TOOLKIT | LTEB13NAC | 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 | LTEB13NAC | Admin User | 11-07-0013 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 | 11-07-0013 |

| | | | |
|---------------------------------|-----------|------------|------------------------|
| | | User | 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 |

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 |

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 |
|---------------------------------|---------------------|------------|------------------------|
| 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 | LTEB ₁₃ NAC | Admin User | 11-07-0013 14:25:14 |
| SUPPORT FOR APPLICATION TOOLKIT | LTEB ₁₃ NAC | 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 | LTEB ₁₃ NAC | Admin User | 11-07-0013 14:25:14 |
| SUPPORT FOR APPLICATION TOOLKIT | LTEB ₁₃ NAC | 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 | LTEB ₁₃ NAC | Admin User | 11-07-0013 14:25:14 |
| SUPPORT FOR APPLICATION TOOLKIT | LTEB ₁₃ NAC | 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 |

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 | LTEB13NAC | Admin | 11-07-0013 |

| | | | |
|---------|--|------|----------|
| TOOLKIT | | User | 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 User | 11-07-0013 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 | LTEB ₁₃ NAC | Admin User | 11-07-0013 14:25:14 |
| SUPPORT FOR APPLICATION TOOLKIT | LTEB ₁₃ NAC | 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 | LTEB ₁₃ NAC | Admin User | 11-07-0013 14:25:14 |
| SUPPORT FOR APPLICATION TOOLKIT | LTEB ₁₃ NAC | 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 | LTEB ₁₃ NAC | Admin User | 11-07-0013 14:25:14 |
| SUPPORT FOR APPLICATION TOOLKIT | LTEB ₁₃ NAC | 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 |

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 |

4.37 TIMER MANAGEMENT VZ_TC_USIMISIMINT_6209

| Requirement Name | Requirement Plan | Created By | Created Date |
|------------------|------------------|------------|--------------|
|------------------|------------------|------------|--------------|

| | | | |
|------------------------------------|------------------------|---------------|------------------------|
| | Id | | |
| LOGICAL CHANNELS | LTEB ₁₃ NAC | Admin User | 11-07-0013 14:25:14 |
| SUPPORT FOR APPLICATION TOOLKIT | LTEB ₁₃ NAC | 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 | LTEB ₁₃ NAC | Admin User | 11-07-0013 14:25:14 |
| SUPPORT FOR APPLICATION TOOLKIT | LTEB ₁₃ NAC | 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 |
|------------------------------------|------------------------|---------------|------------------------|
| LOGICAL CHANNELS | LTEB ₁₃ NAC | Admin User | 11-07-0013 14:25:14 |
| SUPPORT FOR APPLICATION TOOLKIT | LTEB ₁₃ 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 | LTEB13NAC | Admin User | 11-07-0013 14:25:14 |
| SUPPORT FOR APPLICATION TOOLKIT | LTEB13NAC | 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 | LTEB13NAC | Admin User | 11-07-0013 14:25:14 |
| SUPPORT FOR APPLICATION TOOLKIT | LTEB13NAC | 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 |

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 User | 11-07-0013 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 | 11-07-0013 |

| | | | |
|---------------------------------|-----------|------------|------------------------|
| | | User | 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 |

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 |

| | | | |
|--|--|--|--|
| | | | |
|--|--|--|--|

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 |
|------------------|---------------------|------------|--------------|
| | | | |

| | | | |
|------------------------------------|-----------|---------------|------------------------|
| 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 | LTEB13NAC | Admin | 11-07-0013 |

| | | | |
|---------|--|------|----------|
| TOOLKIT | | User | 14:25:13 |
|---------|--|------|----------|

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 | LTEB ₁₃ NAC | Admin User | 11-07-0013 14:25:14 |
| SUPPORT FOR APPLICATION TOOLKIT | LTEB ₁₃ NAC | 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 | LTEB ₁₃ NAC | Admin User | 11-07-0013 14:25:14 |
| SUPPORT FOR APPLICATION TOOLKIT | LTEB ₁₃ NAC | 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 | LTEB ₁₃ NAC | Admin User | 11-07-0013 14:25:14 |
| SUPPORT FOR APPLICATION TOOLKIT | LTEB ₁₃ NAC | 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 |
|---------------------------------|-----------|------------|---------------------|

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 |

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 | 11-07-0013 |

| | | | |
|-----------------------------------|------------------------|---------------|------------------------|
| | | User | 14:25:17 |
| SERVICE AREA RESOLUTION IN M-PLMN | LTEB ₁₃ NAC | Admin User | 11-07-0013 14:28:10 |
| SYSTEM SELECTION/RESELECTION | LTEB ₁₃ NAC | Admin User | 11-07-0013 14:25:20 |

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 | LTEB ₁₃ NAC | Admin User | 11-07-0013 14:25:21 |
| PLMN SUPPORT | LTEB ₁₃ NAC | Admin User | 11-07-0013 14:25:17 |
| SERVICE AREA RESOLUTION IN M-PLMN | LTEB ₁₃ NAC | Admin User | 11-07-0013 14:28:10 |
| SYSTEM SELECTION/RESELECTION | LTEB ₁₃ NAC | 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 |

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 | LTEB ₁₃ NAC | Admin User | 11-07-0013 14:25:21 |
| PLMN SUPPORT | LTEB ₁₃ NAC | Admin User | 11-07-0013 14:25:17 |
| SERVICE AREA RESOLUTION IN M- PLMN | LTEB ₁₃ NAC | Admin User | 11-07-0013 14:28:10 |

| | | | |
|----------|--|--|--|
| Patvis5s | | | |
|----------|--|--|--|

| | | | |
|--|--|--|--|
| | | | |
|--|--|--|--|

PatV15S