



UL MOBILE REMOTE CARD PROFILE TESTER

Who is it for?

UL Mobile Remote Card Profile Tester is the perfect support tool for anyone in the telecoms, GSMA M2M or Consumer industry who wants to test and verify SIM, UICC and enabled eUICC profiles remotely via a simulated or real cellular Mobile Network.

Why do you need it?

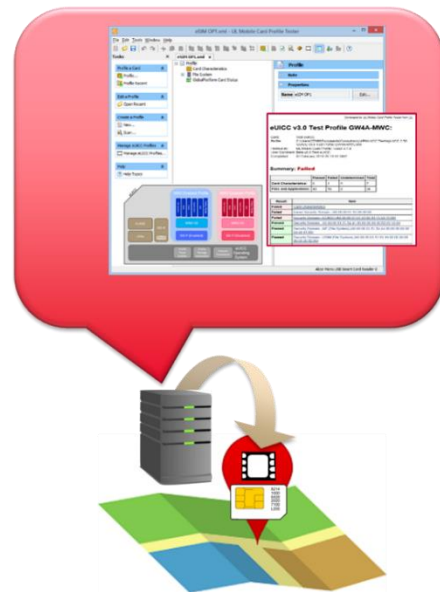
UL Mobile Remote Card Profile Tester is a tool for testing embedded SIM (eUICC) or UICC profiles remotely when the device is in the field, or otherwise not available. It allows creation of a test card profile from scratch to test eUICC or UICC profiles. The tool can be used as a debug or production support tool depending on your use case.

What is inside?

UL Mobile Remote Card Profile Tester includes a simple wizard interface for testing profiles without the need to develop any test scripts.

UL Mobile Remote Card Profile Tester provides different connectivity options for transport of the command and response APDUs via traditional RFM & RAM OTA; UL Network Simulator, Customer Network Simulator or the real Cellular Network.

- For the Network Simulator options the tool handles the SCP80 and SCP81 transport layer security.
- For the Real Network option, the tool communicates via your OTA Platform.



Key benefits

- Remote SIM, UICC and eUICC testing and debug OTA via RFM and RAM a.k.a. GSMA ES6
- Choose the connectivity option to match your requirements & upgrade to one of the others when you are ready; UL Network Simulator, Customer Network Simulator or the real Cellular Network
- Support for multiple secure interfaces to communicate with SIM, UICC or eUICC via SCP02, SCP03, SCP80 and SCP81 as applicable dependent on the active connectivity option
- Support for SIMalliance Interoperable Format to test from ASN.1 or from UL XML proprietary format

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Specifications

OTA Interface

- ETSI TS 102 225 and 3GPP 31.115 for all connectivity options.
- ETSI TS 102 226 and 3GPP 31.116 for all connectivity options.
- GSMA ES6.

Multiple Secure Channel Protocols

- UL or Customers Network Simulator;
 - o Support for SCP02, SCP03, SCP80 and SCP81.
- Real Cellular Network via OTA Platform;
 - o Support for SCP02 & SCP03.

SIMalliance Interoperable Profile Format

- Full support based on SIMalliance 'eUICC Profile Package: Interoperability Functional Requirements specification' to test against ASN.1 profiles.

Connectivity Options

Choose from one of the connectivity options and you can upgrade the tool to use the other options at additional cost when you are ready:

- If you choose the UL Network Simulator option, UL will direct you to our vendor partner where you can purchase a small fully functional 4G Network Simulator.
- If you choose your own network simulator option and it is supported by UL, UL will provide integration support to ensure that the UL Mobile Remote Card Profile Tester connects to your own network simulator.
- If you choose your own cellular network simulator option and the OTA platform is supported by UL, UL will provide integration support to ensure that the UL Mobile Remote Card Profile Tester connects to your OTA platform.

Profile Verification

- Generation of ISO7816 C-APDUs based on input profiles and analysis of the R-APDUs to determine and verify if the SIM, UICC or eUICC profile is loaded as expected.
- Detailed reports highlighting profile differences;
 - o file presence, file contents, File Control Parameters (FCP).
 - o Application and Security Domain presence including any keysets that have been provisioned.
- Powerful SIM, UICC and eUICC profile conformance verification to ETSI and 3GPP specifications; ETSI 102 221, 3GPP 31.102 and 3GPP 31.103.

Generated by UL Mobile Card Profile Tester from UL

eUICC v3.0 Test Profile GW4A-MWC:

Card: Test eUICC
Profile: C:\Users\37099\Documents\Consultancy\KPN\UICC Testing\UICC 2.50\UICC v3.0 Test Profile GW4A-MWC.xml
Profiled By: UL Mobile Card Profile Tester 3.1.0
User Comment: Beta v3.0 Test eUICC
Completed: 04 February 2016 20:19:42 GMT

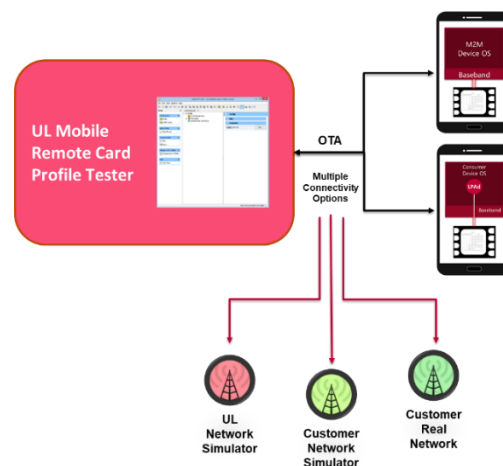
Summary: Failed

	Passed	Failed	Undetermined	Total
Card Characteristics:	5	1	0	7
Files and Applications:	49	16	0	65

Result	Item
Failed	Card Characteristics
Failed	Issuer Security Domain - A0 00 00 01 51 00 00 00
Failed	Security Domain - ECASD (A0 00 00 01 51 53 50 43 41 53 44 00)
Passed	Security Domain - A0 00 00 01 51 54 41 00 00 00 00 82 02 10 00
Passed	Security Domain - MF (File System) (A0 00 00 01 51 54 44 00 00 00 00 53 50 31 00)
Passed	Security Domain - USIM (File System) (A0 00 00 01 51 54 44 00 00 00 00 00 53 50 32 00)

Hardware

- The UL Network Simulator connectivity option requires that the customer purchases a low cost Network Simulator from one of our partners.



For your sales enquiries, please contact us at insecurity@ul.com, visit ims.ul.com, or contact one of our resellers.

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