

Mobile Card Test Platform

Test application behavior, stored data and protocol handling on smart cards.

Overview.

The **Mobile Card Test Platform** is an advanced test tool for any smart card, UICC, eUICC, USIM, and SIM application developer or tester that wants to have a stable environment to perform repeatable tests.

Ensure the card functions correctly in all situations before launching it.

With this platform, you can test your card under development by simulating a mobile phone or M2M device. The simulation's behavior can be controlled and predicted. The platform enables to check whether a card responds as specified and expected in all possible scenarios before releasing it.

How it works.

The **Mobile Card Test Platform** simulates a mobile phone, M2M / IoT device, OTA platform and SM-SR. It enables the development of test scripts and automatic generation of test results.

Fime can help you at any stage of your project lifecycle.

Define

Design

Deliver

Test



Test tool for smart cards, UICC, eUICC, USIM and SIM.

Used by Fime Labs

Key benefits

- Quickly develop test scripts.
- Provides off-the-shelf, fully automated test suites.
- Rejects or accepts new cards quickly.
- Build your own test suites to streamline testing.
- Easy-to-use interface.

Key features

- Powerful and flexible API for test script development.
- Ability to share exported test results with other interested parties using complimentary Mobile Log Viewer.
- Support for SCP02, SCP03, SCP80 and SCP81 testing.
- Support for eUICC profile management and testing.
- Use with Mobile Spy for fast debugging.
- Use with Remote Android Reader to test non-removable SIM or eSIM in Android devices.

Libraries.

ETSI TS	102 221, Smart Cards UICC-Terminal Interface Physical and Logical Characteristics
	102 223, Smart Cards Card Application Toolkit (CAT)
ETSI TS for SWP	ETSI TS 102 613, Smart Cards UICC - Contactless Front-end (CLF) Interface Part 1: Physical and data link layer characteristics
	ETSI TS 102 622, Smart Cards UICC - Contactless Front-end (CLF) Interface Host Controller Interface (HCI)
3GPP TS for GSM	51.011, Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) Interface
	51.014, Specification of the SIM Application Toolkit for the Subscriber Identity Module - Mobile Equipment (SIM - ME) Interface
3GPP TS for 3G	31.101, UICC-Terminal Interface Physical and Logical Characteristics
	31.102, Characteristics of the Universal Subscriber Identity Module (USIM) Application
GlobalPlatform	GlobalPlatform Card Specification v2.3.1.
	GlobalPlatform Card Specification v2.2 - Amendment B, Remote Appli- cation Management over HTTP
	GlobalPlatform Card Specification v2.3.1 - Amendment C, Contactless Services
	GlobalPlatform Card Specification v2.2 - Amendment D, Secure Channel Protocol 03
	GlobalPlatform Card Specification v2.3.1 - Amendment E, Security Up- grade for Card Content Management

3GPP and ETSI Test Suites.

We also offer the **Mobile Card Test Suites**, off-the-shelf, stand-alone card test suites that provide an efficient way of validating a card against relevant 3GPP and ETSI specifications:

- 3GPP 31.122 Test Suite.
- 3GPP 31.048 Test Suite for 3G-5G.
- 3GPP 31.213 Test Suite (includes ETSI TS 102 268).
- 3GPP 31.048 Test Suite for GSM.
- 3GPP 51.013 Test Suite.
- 3GPP 51.017 Test Suite.
- ETSI 103 481 Test Suite

Technical specifications.

- User-friendly GUI to write, compile and run scripts.
- Real-time view of file system (select, read and update functions).
- File system or I / O stream (translated or untranslated).
- Easy-to-read results that you can save and share.
- Convenient reports and details of the last run test.

Powerful Java APIs to help you develop your own test scripts and test suites:

- 3G API (includes 3G-5G functionality).
- GSM API.
- SWP API (includes SWP and HCI functionality).
- GlobalPlatform API.

Contact

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