![fime]

# Mobile Card Test Platform

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



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

*Used by Fime Labs*

## 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

## 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.

**5G**

# 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 Application 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 Upgrade 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.

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# Contact

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