

3GPP and ETSI Card Test Suites

A unique solution to perform testing against the latest 3GPP and ETSI standards.

Verify your SIM, UICC and eUICC against the core specifications.

3rd Generation Partnership Project (3GPP) and European Telecommunications Standards Institute (ETSI) have written a range of test specifications in order to test SIM, UICC and eUICC against their core specifications. **3GPP and ETSI Test Suites** are essential for anyone developing SIM, UICC and eUICCs against the latest standards.

How it works.

By using the test suites to validate your implementation, you can perform self-certification testing. This approach minimizes the risk of implementation and interoperability issues, effectively reducing your time-to-market.

The **3GPP and ETSI Test Suites** run on the free version of **Mobile Card Test Platform** which is a test engine that simulates a mobile phone, M2M / IoT device, or OTA platform as needed to perform the required testing. It generates logs and test reports and allows you to debug step by step through each test suite.

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

Define

Design

Deliver

Test



Test suites for smart cards,
SIM, UICC and eUICC.

Used by
Fime Labs

Key benefits

- Test in accordance with 3GPP and ETSI specifications.
- Self-certify your product's compliance with the core specifications.
- Ensure a high level of interoperability.
- Save time through fast analysis.
- Execute user-friendly test suites.

Key features

- Facilitates fault cause analysis for interoperability issues.
- Provides comprehensive reports including insight to application logic.
- Execute test cases from the 3GPP and ETSI test specifications for SIM, UICC and eUICC.
- Allows sharing of exported test results with other interested parties using complimentary **Mobile Log Viewer**.
- Compatible with **Mobile Spy** for fast debugging.

Test Suites.

Fime Card Test Suite	Test Specification	Entity Under Test
3GPP 51.013 Test Suite	3GPP TS 51.013	SIM API for Java Card™ (3GPP TS 43.019).
3GPP 51.017 Test Suite	3GPP TS 51.017	Subscriber Identity Module (SIM) defined in 3GPP TS 51.011.
3GPP 31.048 (GSM) Test Suite	3GPP TS 31.048	3GPP TS 23.048 “ security mechanisms for the SIM application toolkit; stage 2”.
3GPP 31.048 (UICC) Test Suite	3GPP TS 31.048	3GPP TS 23.048 “ security mechanisms for the USIM application toolkit; stage 2”.
ETSI 102 222 Test Suite	No industry test specification currently exists	Fime provides its own proprietary test specification of the ETSI 102 222 implementation specification.
ETSI 102 230-2 and 3GPP 31.122 Test Suite	ETSI TS 102 230-2	Universal IC Card (UICC) defined in 3GPP TS 31.101 and ETSI TS 102 221.
	3GPP TS 31.122	Universal Subscriber Identity Module (USIM) defined in TS 31.102.
ETSI 102 268 and 3GPP 31.213 Test Suite	ETSI TS 102 268	UICC API for Java Card™ (3GPP TS 102 241).
	3GPP TS 31.213	(U)SIM API for Java Card™ (3GPP TS 31.130).
ETSI SWP and HCI UICC Test Suite	ETSI TS 102 694-2	Single Wire Protocol (SWP) communication interface between the UICC and a contactless frontend (CLF) as specified in ETSI TS 102 613. Note 1. Fime provides test suites for the old qualified GlobalPlatform v9.3.0 and the latest version of the test specification. Note 2. The following hardware is required: Keolabs contactLAB, or Micropross TC3.
		Host Controller Interface (HCI) as specified in ETSI TS 102 622. Note 1. Fime provides test suites for the old qualified GlobalPlatform v10.1.0 and the latest version of the test specification. Note 2. The following hardware is required: Keolabs contactLAB, or Micropross TC3.
ETSI HCI API	ETSI TS 103 115	UICC application programming Interface for Java Card™ for contactless applications as specified in ETSI TS 102 705.
ETSI 103 481 Test Suite	ETSI TS 103 481	UICC relating to remote APDU structure for UICC based applications as specified in ETSI TS 102 226.

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Making the world work.

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