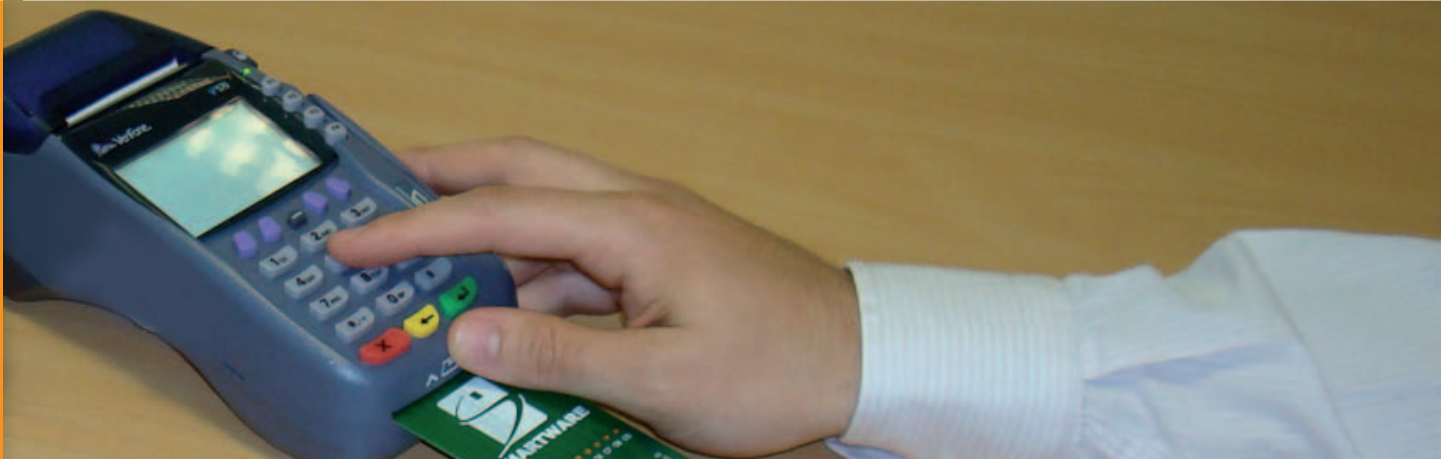




**EVAL**  
Test Suite



## The most comprehensive Level 2 test tool!

Do you need to test your Level 2 contact and contactless terminal application kernel? FIME has developed the EVAL Test Suite to validate terminal compliance with EMV Contact, EMV Book B Entry Point, MasterCard® PayPass™ or American Express Expresspay specifications. The platform can be used with any combination of the 4 available test libraries that correspond to these specifications.

### Why the EVAL Test Suite?

#### Fast

Gain time in your internal test process before submitting your application kernel for certification.

#### Qualified

The EVAL Test Suite has followed the necessary testing authorities qualification processes.

#### Effective

Increase your chances of gaining certification first time around and thus reduce your time to market.

#### Freedom

Automate your test launches for whenever suits you best, EVAL adapts to your schedule.

#### Complementary

Use the EVAL Platform with any of the 4 libraries: one tool has multiple uses for terminal testing.

#### Flexible

Customize your own test library using the development version of the EVAL platform.

For more information contact us at [www.fime.com/contactus/](http://www.fime.com/contactus/) or, depending on your region: [test\\_tools@fime.com](mailto:test_tools@fime.com) (for Europe and the Middle East), [test\\_toolsAP@fime.com](mailto:test_toolsAP@fime.com) (for Asia and the Pacific), [test\\_toolsLAC@fime.com](mailto:test_toolsLAC@fime.com) (for Latin America and the Caribbean), [test\\_toolsNA@fime.com](mailto:test_toolsNA@fime.com) (for North America), [test\\_toolsIN@fime.com](mailto:test_toolsIN@fime.com) (for the Indian Subcontinent)

#### About FIME

FIME is an independent global leader in consulting and market integration services for secure chip based applications, tokens and devices within the telecom, e-payment, transport, e-identity and logistic sectors. Its international team works with developers, issuers and acquirers within these markets throughout the research and development lifecycle to provide consulting expertise on sector requirements, functional and security features and industry regulation.



**FIME**<sup>®</sup>



## About EVAL Test Suite

The EVAL Test Suite has been designed to help with smartcard terminal testing by automating test scripts processing in a user friendly environment.

EVAL is designed for any kind of contact or contactless terminal but is most commonly used for compliance testing of terminal EMV Level 2 debit/credit payment applications.

Four compatible libraries are available:

EMV Contact

Book B  
Entry Point

PayPass

Expresspay

EVAL Platform + EVAL Box

## Software functionalities

### Settings

- Set your environment and hardware communication parameters
- Load the test library you require
- Set Implementation Conformance Statement (ICS) options
- Select the test case lists you want to launch

### Test session

- Display test processing
- Automate your test sessions
- Generate test reports in EMVCo format for approval submission

### Analysis

- Analyze your test logs
- Export logs in text format

## Components

The EVAL Test Suite is made up of the following components:

### EVAL Platform & Box

The EVAL Platform is a software designed for compliance testing of contact and contactless terminal applications. It drives a card simulator, commonly known as the EVAL box. The EVAL Platform is suitable for testing all kinds of contact and contactless terminals with an EMV Level 1 compliant smart card interface. The EVAL Box is a smart card emulator, which, when connected to the PC running the EVAL Platform, enables communications with contact and contactless terminals.

### EVAL Libraries

The EVAL Platform uses libraries of test scripts for the latest test plans. The following implementations of test cases have been qualified by the corresponding testing authorities:

- **The EMV Contact and Book B Entry Point libraries** have been officially approved by EMVCo for formal Type Approval testing in certified laboratories and for application kernel debugging.
- **The PayPass library** has been officially approved by MasterCard® for formal Type Approval testing in certified laboratories and for application kernel debugging.
- **The Expresspay library** has been officially approved by American Express for terminal Level 2 testing.

FIME regularly brings the libraries up to date following testing authorities guidelines and new test plan updates, so your tests will always follow the latest requirements.

### EVAL Automation Module

FIME has developed a new add-on module to the EVAL Test Suite, which allows the user to make the test session automatic, therefore saving the test operator a considerable amount of time.

The EVAL Platform can be controlled by an external application which is linked to the terminal under test and a host simulator. The external application must be developed in accordance with your terminal architecture.

