



Run test scripts automatically for PICC Level I!

Are you looking for a simple and reliable way to test your contactless devices for PICC Level I protocol? FIME has developed the Greenlight Protocol test solution to help with ePassport and smartcard testing by automating test scripts processing. The Greenlight Protocol tool features an interface to automate Level I scripts launching for protocol compliance testing of ISO 14443 cards, ICAO ePassports and EMVCo bank cards. The tool is compliant with the official ISO 10373-6 test plan, the ICAO test plan (RF Protocol and Application Test Standard for ePassport - part 2) and the EMV Contactless test plan.

Why the Greenlight Protocol test solution?

Fast

Greenlight Protocol enables the automatic measurement of the smartcard's timing.

Simple

The tool's interface is designed to be user friendly and easy for anybody to operate.

Reliable

This is the same tool used by FIME's laboratory so you are guaranteed the same results.

Quick analysis

The interface gives the user a direct and precise verdict for each test point, with graphical analysis.

Multi purpose

Multiple devices across different markets (eldentity, banking, etc.) can all be tested by the same tool.

Reporting

When session is finished, a complete test report can be generated if required.

For more information contact us at www.fime.com/contactus/ or, depending on your region: test_tools@fime.com (for Europe and the Middle East), test_toolsAP@fime.com (for Asia and the Pacific), test_toolsLAC@fime.com (for Latin America and the Caribbean), test_toolsNA@fime.com (for North America), test_toolsIN@fime.com (for the Indian Subcontinent)

About FIME

FIME is a worldwide supplier of test solutions in the domain of smartcards, RFID and NFC. Providing an overall and integrated service consisting of consulting, laboratory testing, test tools and innovation through outsourced R&D, FIME holds a strong position as a real business accelerator. A pioneer in testing contact cards during the 1990s, today FIME is providing its leading abilities in the contactless world with branches in France, Canada, Taiwan and India. FIME offers you a solution adapted to your local needs. FIME provides the stability of a company that is part of a large group, as well as the functional flexibility of autonomous teams strongly implicated in your project.





Greenlight Protocol 'card' or 'PICC' libraries

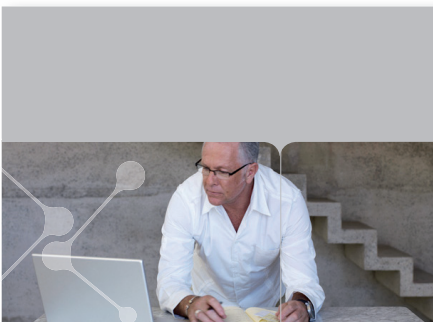
ISO ICAO EMV Interac Discover Network

Greenlight Protocol Platform

The ISO library includes extra test cases based on a FIME test plan, going beyond the officially required test plan.

Software functionalities

- Select automatically applicable test cases according to the tested device
- Analyze Type A and Type B
- Launch test batches
- Display test scripts processing
- Generate PDF logs for each script
- Measure the timings automatically



Test plan summary

Polling

Determine the behavior of the PICC when receiving the very first protocol commands.

Initialization and anticollision

Test methods that determine whether the PICC can handle activation and anticollision commands.

Frame format and timing

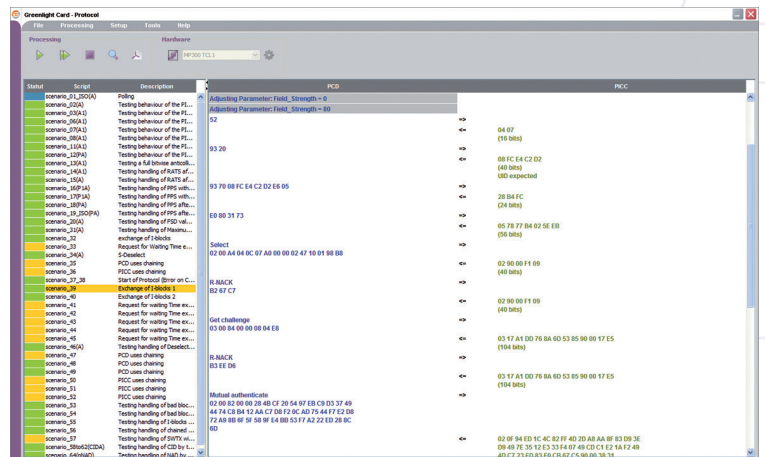
Check that PICC frames are correctly formatted and sent at the right time.

Block protocol

Test methods that determine whether the PICC can handle block numbering, chaining and error recovering of block protocol exchanges.

PICC protocol deactivation

Determine the behavior of the PICC when receiving deactivation commands or operating field reset.



Example of the Greenlight Protocol tool's working environment

Supported hardware

The PCD simulator supports the following hardware:

- Micropross 300 TCL1
- Micropross 300 TCL2

The tool can be adapted on demand by FIME's R&D teams to support other types of hardware.