

Savvi

# ACQUIRER AND ACCEPTANCE TEST PLATFORM



FIME®

One Action. A billion transactions.



## A single tool for all your brand certifications

### TERMINAL INTEGRATION CERTIFICATION

Acquirers and merchants who deploy new EMV payment terminals must test and certify their terminals according to brand test requirements and processes. It can be a challenging and time consuming task, especially when the project is conducted manually. FIME has created the Savvi Test Platform, an automated test process and certification management tool, which significantly reduces the overall time needed to successfully complete the terminal integration certification testing required for all brands.

### SIMPLIFY YOUR ENTIRE CERTIFICATION PROJECT

Savvi simplifies your entire certification project. It determines applicable test cases, provides test process guidance, retrieves and validates test results (card and host logs). It generates and submits test reports according to the brand's requirements. Savvi also acts as a tutorial and provides the necessary and up-to-date information to help testers perform each test without having to refer to a specification or a test plan document. Savvi can also be used with Savvi Test Host to benefit from the automated and real-time host log retrieval.



The 3 test media supported by Savvi: programmable card, card emulator and physical test cards

### + KEY BENEFITS

- Benefit from FIME's long experience in terminal integration certification projects.
- Save time and money by speeding up test results analysis and making test iterations more effective.
- Usable by testers new to EMV.
- Suitable for all terminals: POS, mPOS, BBT, CAT and ATM.
- Use either with programmable cards, card emulator or physical test cards (FIME Test Cards).
- Test media qualified by payment brands.
- EMVco qualified for Level 3 Card Simulator (L3CS)
- Consistency amongst test media.
- Keep your software up to date with the online automatic software update
- Savvi test tool is fully designed for acquirers and merchants.
- Use Savvi with Savvi Test Host.



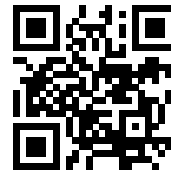


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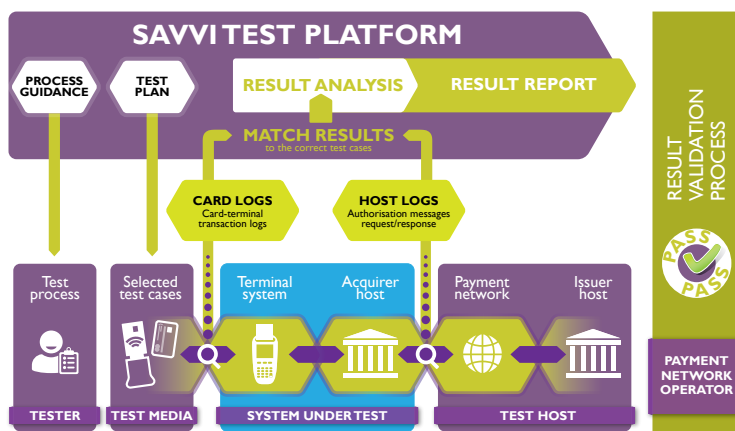


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## COMPONENTS AND TEST SUITES

Savvi is built around three main components, test libraries, Softcard libraries and the test media. Test libraries perform all the test functions for a specific brand test, Softcard libraries contain all card images for a specific brand test and the test media is programmable test card, card emulator and physical test cards. Test case functionality is identical on all media, so testers are free to choose the media that best meets their need. Programmable test cards and card emulator are personalised from a Softcard library prior to conducting each test case, while physical test cards are ready for use.



Acquirer test environment

Savvi is delivered with the FIME Card Emulator and comes with the test libraries for global brands. Testers then need to either select Softcards libraries or FIME Test Cards depending on their preference. When required fallback physical test cards are provided with Softcard libraries. Supplementary libraries for domestic brands such as ATH, DNA, ELO, PayPak and Troy are also available.

## Test and softcard libraries

Global brands	Test libraries	Softcard libraries
American Express	<ul style="list-style-type: none"> <li>Global AEIPS Terminal E2E, AMEX Quick Chip</li> <li>Global ExpressPay EMV Terminal E2E</li> </ul>	<ul style="list-style-type: none"> <li>Global AEIPS</li> <li>Global ExpressPay</li> </ul>
China UnionPay	<ul style="list-style-type: none"> <li>UnionPay Terminal Validation</li> </ul>	<ul style="list-style-type: none"> <li>CUP Contact and Contactless</li> </ul>
Diners Club International	<ul style="list-style-type: none"> <li>DCI Contact &amp; Contactless D-PAS Acquirer-Terminal E2E</li> </ul>	<ul style="list-style-type: none"> <li>DCI Contact &amp; Contactless D-PAS</li> </ul>
Discover Network	<ul style="list-style-type: none"> <li>DN Contact &amp; Contactless D-PAS Acquirer-Terminal E2E</li> </ul>	<ul style="list-style-type: none"> <li>DN Contact &amp; Contactless D-PAS (incl. D-PAS Debit and JCB)</li> </ul>
JCB	<ul style="list-style-type: none"> <li>JCB Contact Terminal Chek for implementation</li> <li>JCB Contactless IC Terminal Chek for implementation</li> </ul>	<ul style="list-style-type: none"> <li>TCI Contact</li> <li>TCI Contactless</li> </ul>
Mastercard	<ul style="list-style-type: none"> <li>Mastercard Terminal Integration Process (M-TIP Contact and Contactless incl. M/Chip Fast)</li> </ul>	<ul style="list-style-type: none"> <li>Subset M-TIP / M-TIP USM / Field Interop.</li> <li>Subset 6 / 8 / 8 USM / 8 CIR</li> <li>Subset 3, Subset 5, Subset 7 for NIV</li> </ul>
PULSE	<ul style="list-style-type: none"> <li>PULSE Contact D-PAS: POS PIN Debit E2E</li> <li>PULSE Contact D-PAS: ATM E2E</li> </ul>	<ul style="list-style-type: none"> <li>PULSE D-PAS</li> </ul>
UnionPay International	<ul style="list-style-type: none"> <li>UPI Acquiring Certification (UAC)</li> <li>UPI QuickPass Testing</li> </ul>	<ul style="list-style-type: none"> <li>UPI Contact &amp; Contactless</li> </ul>
Visa	<ul style="list-style-type: none"> <li>Visa Acquirer Device Validation, Visa Quick Chip</li> <li>Visa Contactless Device Evaluation</li> </ul>	<ul style="list-style-type: none"> <li>ADVT and US Debit</li> <li>CDET</li> </ul>

## Key features

## Test session

- Determine and display applicable tests.
- Perform testing following on screen guidelines.
- Retrieve card logs from test media or Smartspy.
- Retrieve host logs automatically with Savvi Test Host.
- Analyse card logs, host logs and visual checks automatically.
- Display test results status.
- Generate test report automatically.
- Upload test report in XML format onto Visa CCRT.
- Manage and archive test sessions.

## Integrated environment

- View test cases and guidelines.
- View card and host simulator logs.
- View details of TVR and TSI.
- View transaction performance.
- Personalize programmable cards.
- Simulate physical test cards.
- Upgrade Savvi automatically online.

## FIME Card Emulator

- Dual-interface card reader and card emulator.
- Ultra-portable and USB-powered (no wall charger).