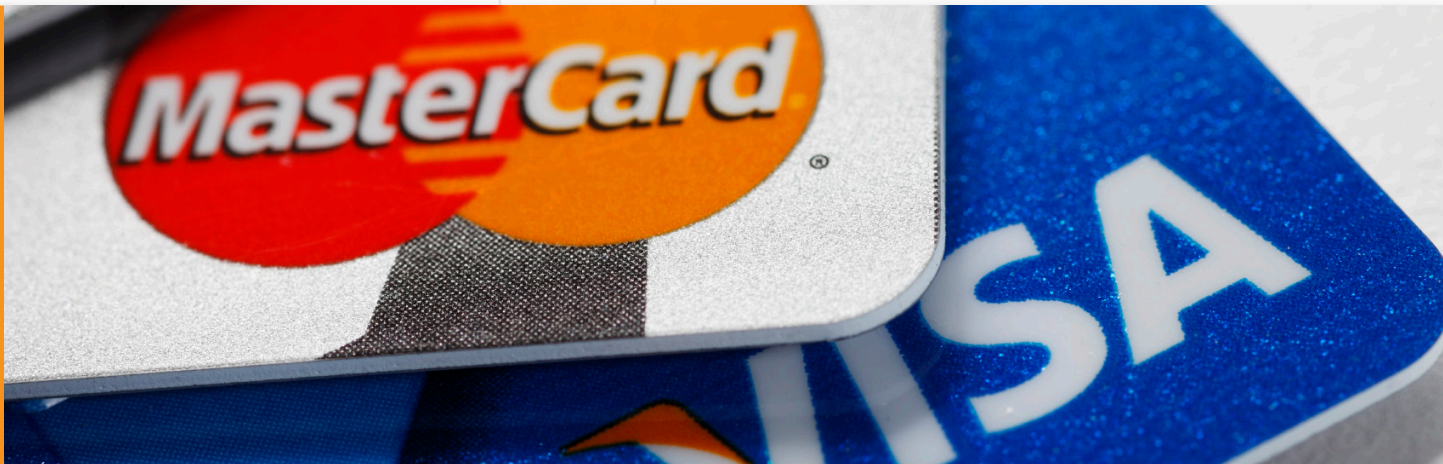




PERSEVALPRO ISSUER



Validate card personalization for MasterCard & Visa certification!

Are you an issuing bank looking for MasterCard® and Visa certification of your card personalization, based on the latest requirements available? FIME® and Barnes International have combined their expertise to provide you with a powerful and comprehensive test tool. Thanks to FIME's extensive knowledge of CPV services and Barnes' long experience working with Visa and MasterCard on card personalization testing, PersevalPRO™ meets all your personalization testing needs. PersevalPRO includes the latest test requirements by both MasterCard Worldwide and Visa International as well as FIME test tool requirements to help you pass the certification faster. By applying these tests prior to submission of your card personalization to MasterCard Worldwide and Visa International and Europe, PersevalPRO allows you to detect errors and correct them in house, significantly reducing delays and expenses associated with certification failures.

Why choose PersevalPRO Issuer?

Effective

The tool decreases time-to-market by ensuring that you can pass the required certification sessions quickly.

Economic

By checking the correct personalization and worldwide interoperability of your cards from the start you can eliminate costly and time consuming certification rejections.

Qualified

PersevalPRO Issuer is the first tool qualified by MasterCard and Visa according to the latest 2011 test tool requirements.

Reliable

PersevalPRO is the test tool used by FIME during its laboratory card personalization testing when delivering CPV services to customers.

For more information contact us at www.fime.com 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 an independent global leader in consulting and integration testing services for smart devices and secure chip-based applications within the telecom, e-payment, transport, e-identity and logistic sectors. Its international team works with manufacturers, banks and authorities within these markets throughout the research and development lifecycle to provide expertise on sector requirements, functional and security features and industry regulation.



FIME®



About PersevalPRO Issuer

PersevalPRO is the first and most comprehensive test solution on the market that helps you prepare for the formal MasterCard and Visa Card Personalization Validation service. The tool is built by Barnes according to the latest MasterCard, Visa and FIME test tool requirements, based on a flexible architecture which allows test scenarios to be easily updated whenever needed.

The tool validates card data according to the latest requirements, confirms chip and embossing consistency and identifies incorrect data. Hyperlinks integrated into the tool provide links between the M/Chip™ and VSDC application errors and MasterCard and Visa specification references. Once the errors are corrected, test results can be produced automatically by PersevalPRO in the right formats defined by MasterCard and Visa and can be sent directly to the authorities for certification.

Functionalities

- Magstripe/Chip personalization data correlation validation
- EMV SDA, DDA/CDA
- Offline plain or encrypted PIN verification
- RSA PKI functions for data authentication and security tests
- PCI/DSS and PA-DSS data security, MasterCard PIN, cardholder ID security requirements
- Contact and contactless card reader, with additional PC/SC reader support
- Multi-application test capability
- Facility to compare two CPV image files
- Card and profile database management
- Report with test summary and individual fail
- Hyper-linking between Pass/Fail certificate, report, interpreted results tree
- Comprehensive print capability (results, profiles, test log)
- User password controls

Test Suites

MasterCard CPV

- MasterCard Personalization Validation Tool Requirements v4.2
- M/Chip™ Requirements
- M/Chip Personalization Data Specifications and Profiles
- MasterCard PayPass™
- Interoperability Issues

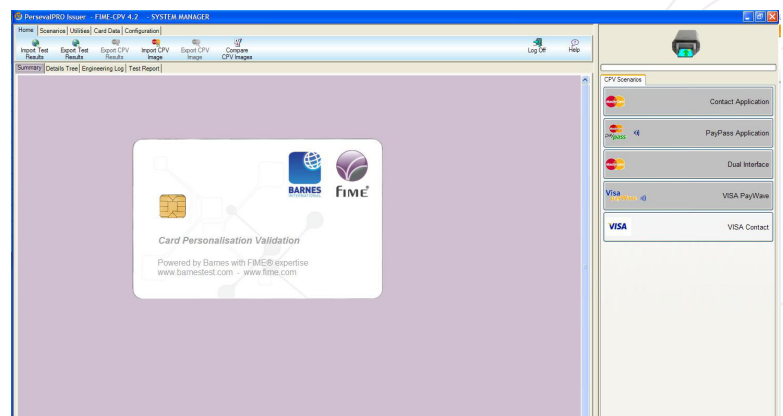
Visa

- Visa Integrated Circuit Card
- Visa Global Personalization Requirements
- Visa Contactless Payment Specification

Other

- EMV Integrated Circuit Card Specification
- CPA (Common Payment Application Specification)

The validation of other certification schemes is available on request.



The PersevalPRO Issuer tool environment