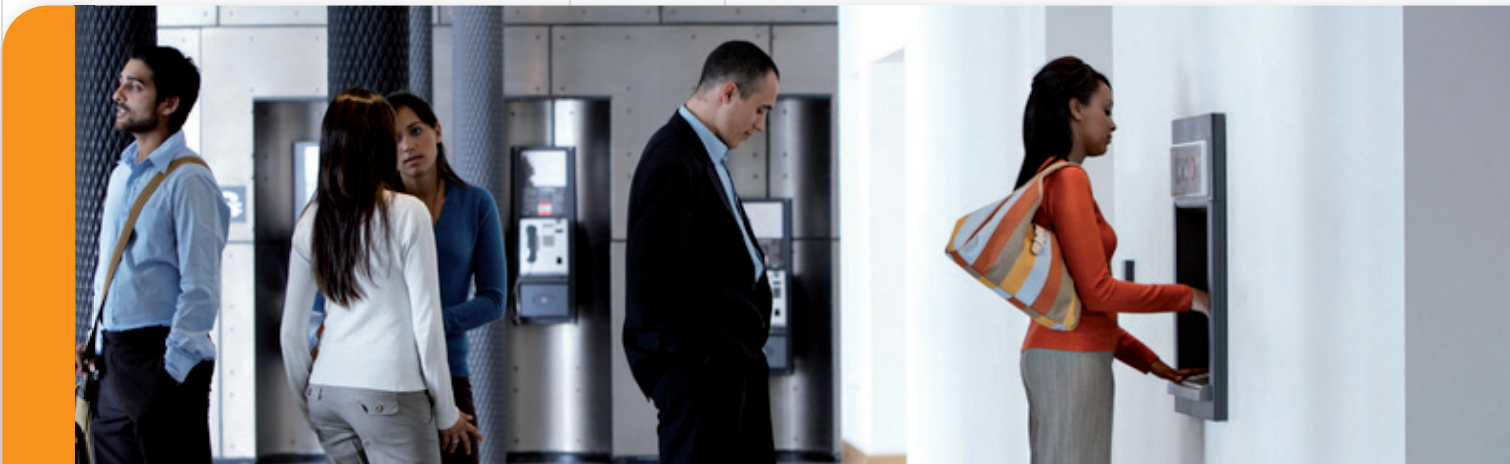




PERSEVAL VENDOR

Card Personalization



Get your smart card personalization right the first time!

Are you looking for a flexible, high-quality smart card personalization and validation tool for Type Approval? FIME's Perseval tool is the ideal solution; a single tool to address both needs. Perseval allows card manufacturers to correctly personalize smart cards based on EMV CPS specifications. The tool also performs pre-validation of the card personalization based on MasterCard or Visa requirements. Card manufacturers can reduce or even eliminate faulty cards by validating correct personalization early in the production process with thorough testing prior to the Type Approval process.

Why choose Perseval?

Multi-Function

The same tool performs both personalization of smart cards and pre-validation of the personalization of smart cards.

Time to Market

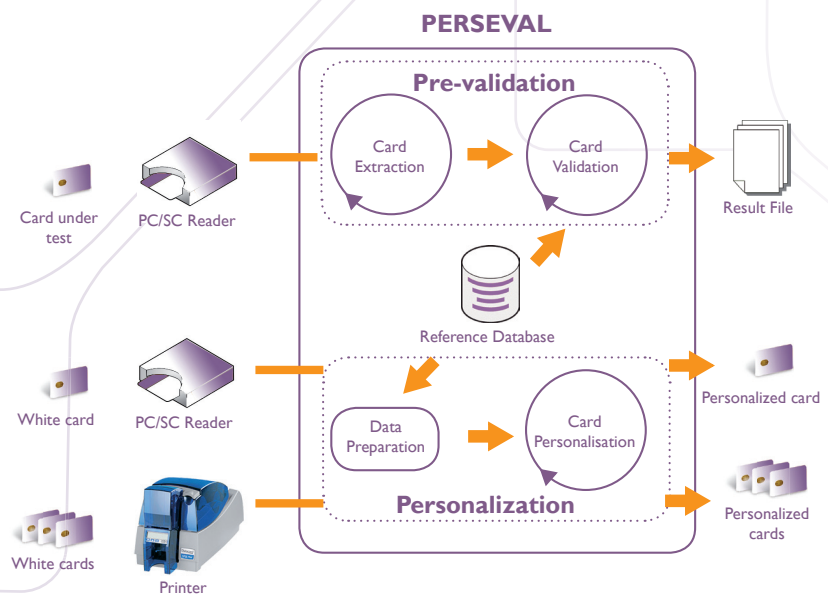
Shorten the time to market by detecting errors early on in the validation process.

Effective

Increase your productivity in preparation for certification sessions, before going to the laboratory.

On Demand

An economical option for occasional needs. Purchase a full licence for short term use only when you need it.



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 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
Enabling Business with IC Testing Solutions



Software functionalities

Visa specifications supported

Contact card:

- VIS

Contactless card:

- qVSDC
- SqVSDC
- MSD

MasterCard specifications supported

Contact card:

- M/Chip 2.0.6
- M/Chip 2.1 Lite
- M/Chip 2.2 Lite
- M/Chip 2.2 Select
- M/Chip 4 Lite
- M/Chip 4 Select

Contactless card:

- PayPass M/Chip 4 Lite
- PayPass M/Chip 4 Select
- PayPass M/Chip Flex
- PayPass MagStripe
- PayPass Mobile
- M/Chip Advance

Cryptography supported

Visa:

- SDA, fDDA, CDA
- Crypto 10, 14, 17 and 18

MasterCard:

- SDA, DDA, CDA
- MasterCard proprietary EPI and EMV CSK

About Perseval

Personalization:

With an easy-to-use interface, you can create your own card profile and also benefit from the internal reference libraries to help manage your card data. The support of standard printers allows you to automatically perform multiple card personalization and prints all the card details directly onto the cards in one click. This therefore considerably increases your productivity and reduces the errors prior to the Type Approval.

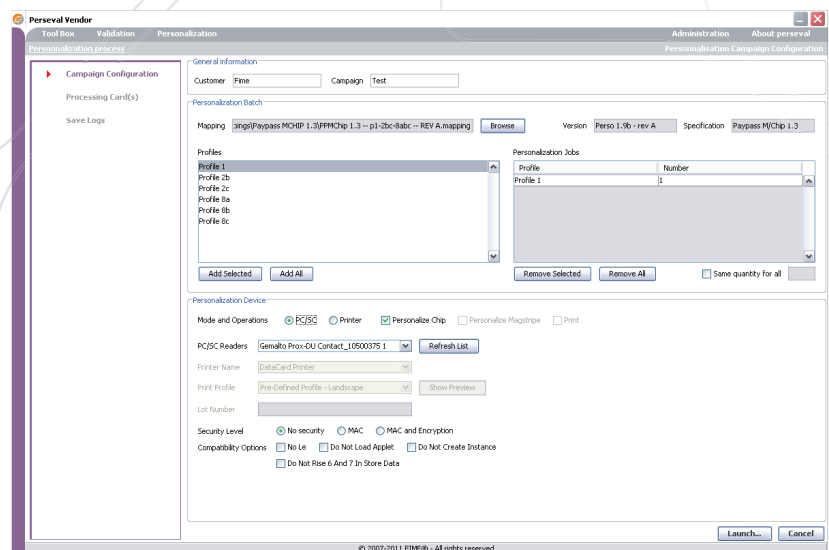
Validation:

The Perseval tool aids in validation and debugging during the personalization of MasterCard and Visa test cards for Type Approval testing. The tool helps validate cards by verifying cryptography and comparing the card's personalized data with a reference extracted from the official profile requirement documents.

The Perseval tool supports several reference libraries that include all the standard profiles. The tool lets users check both internal and dynamic card data thanks to its cryptographic modules which allow you to verify the card's cryptography as well as Application Cryptogram and Script Processing commands.

About Perseval on demand

The Perseval on demand option allows manufacturers to optimize their budget by purchasing a licence for short term use. The on demand option provides an access to the full functionalities of the latest version of Perseval only as needed. It is the most cost effective option on the market that helps you verify that your cards are personalized correctly and ready for Type Approval test sessions. This option is available only for pre-validation.



The Perseval tool work environment

