

# VISUCARD® for MasterCard



## Key features

- Validation rule editor, unique on the market, for any proprietary implementations
- Multilingual tool (French, Spanish, English... and any other language)
- Automatic recognition of the type of card to be analyzed
- Card profile creation for an exhaustive control of the personalization in a context of multi-applications cards
- Consistency checks (Magnetic stripe / chip data, contact / contactless)
- Optional verification of card keys

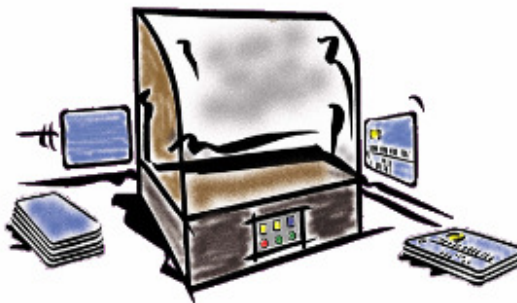
VISUCARD® for MasterCard is the Card Personalization Validation tool (CPV), **qualified by MasterCard** for any MasterCard card or form factors (M/Chip, *PayPass*™).

This software product offers the following features:

- **Card checking** and data visualization;
- Step by step **expertise** of card data;
- **Edition** of the Validation Rules and card personalization profiles;
- **Qualification** to run regression controls from virtual card images.

Several optional elements complete the configuration, in particular :

- **CAP Validation Rules** to check the personalization of CAP (Chip Authentication Program) applications;
- **KeyControl™**, which can be connected with an HSM to check card secret keys.



## GALITT advantages

VISUCARD® for MasterCard has been **qualified as a listed Test Tool by MasterCard** against its Personalization Validation Tool Requirements and supports the whole line of MasterCard card products:

- **VISUCARD® for MasterCard** is part of the wide range of personalization validation tools recognised and qualified by different schemes (**MasterCard, Visa, Groupement des Cartes Bancaires « CB », ...**).
- For **more than 10 years**, GALITT has been the **leader** on the market of PVT, recognized by the Groupement des Cartes Bancaires for **« CB » card**.
- GALITT fame has been built on its tools **relevance** and **cleverness**, but also on the **follow-up** of its customers and the quality of its **after sales services**.

## MAIN FEATURES

VISUCARD® products allow to read and control personalized cards against a Card Personalization Test Plan and Issuer's profiles, by using a set of test modules.

VISUCARD® for MasterCard includes the following features:

### Performing tests

- **Card Check** module to automatically run controls in production environment.
- **Card Expertise** module to display data, structures and control results in various meaningful views (tag, tree view, APDU...).
- **Qualification** module to perform regression testing from a batch of cards previously checked and saved (card image database).

### Preparing the test environment

- **Card Profile Edition** to create and manage card profiles from templates or real cards.
- **Validation Rule Edition** to define a new set of rules, or bring some specifications to a set of reference Validation Rules.
- **Configuration** to set up test execution parameters of the hardware and software.

### VISUCARD® for MasterCard,

a product of the wide VISUCARD® line of Personalization Validation tools.

The products of VISUCARD® range complement each other and can be associated to analyze multi-application card profiles.

Among the other available products:

- **VISUCARD® GPVT** for any card based on the Visa global specifications (**GCCPV Requirements**), confirmed by Visa.



- **VISUCARD® VTC** for contactless cards based on Visa specific requirements in USA, implemented in cooperation with Visa.



- **VISUCARD® CB** has been the **Groupement des Cartes Bancaires** reference tool for more than 10 years, and meets the requirements of validation for all the « CB » contact or contactless cards as well as for the MONEO e-purse.



## TOOLS

**Complementary tools** are also included in the each VISUCARD® product and proposed to the user, such as:

- Manual testing,
- ISO controls,
- Magstripe controls.

**KeyControl™** is an optional tool which offers:

- Verification of card secret keys;
- SSL interface with a secure server managing a HSM.

## Technical specifications for the VISUCARD® Range

### Supported Specifications

- EMV 2000
- M/Chip 4 (MasterCard, Maestro...)
- PayPass™ Magstripe & M/Chip
- VIS 1.4 (V Pay, Electron...)
- Visa MSD (VCPS 1.4 & 2.0.2)
- qVSDC (VCPS 2.0.2)
- J/Smart
- AEIPS
- CB contact & contactless
- Moneo 1.6.2 & 2.5.2
- Calypso

### Supported Readers

- Any PC/SC reader (contact or contactless)
- OMRON magnetic stripe reader
- XAC hybrid magnetic stripe and chip card reader (USB), optionally motorized
- MAGTEK® motorized reader
- GALITT USB reader for Moneo cards (non-EMV)

### Supported Intelligent Readers

- OTI Saturn 6000
- ViVotech 4500
- ViVotech 5000 (soon)
- Other upon request

### Supported OS

- Windows™ XP SP2 & SP3 (recommended)

### Hardware Configuration

- Pentium PC (1GHz or above)
- 1 Gb RAM
- 1 Gb hard disk space
- RS232 (OMRON reader)

