BARNES INTERNATIONAL

EMV Personalisation Validation Tool

EMV Payment Scheme Certification Test Modules

Speed up Payment Scheme certification and reduce the high cost and delay associated with qualification failures

To achieve Payment Scheme certification Banks, Card Manufacturers, Personalisation Bureaus and Test Laboratories must ensure their cards comply with EMV and the respective Payment Schemes specifications. Obtaining qualification for contact and contactless card and mobile payment applications can be a time consuming and costly process. To reduce the risks of failure, cards can be pre-validated prior to submission to the Payment Scheme using Certification Test Modules from Barnes. Approved by the Payment Schemes, the Certification Test Modules use the same detailed and rigourous tests they use to perform qualification tests on cards and mobiles.

Solution Overview

Each Test Module complements Barnes existing Card Validation Test Tools, the CAT 3000v3 and CPT 3000v3. The module runs as integrated scenarios on the CPT 3000v3 and CAT 3000v3 platforms and may co-exist with other modules such as Host Simulation (including HSM).

Example screens from Mastercard CPV Test Module

ICS Selection using clear drop-down options is followed by a rapid card test generating a Results Summary.

TEST MODULES SUPPORT THE FOLLOWING PAYMENT SCHEME CERTIFICATION SPECIFICATIONS AND ASSOCIATED TEST PLANS:
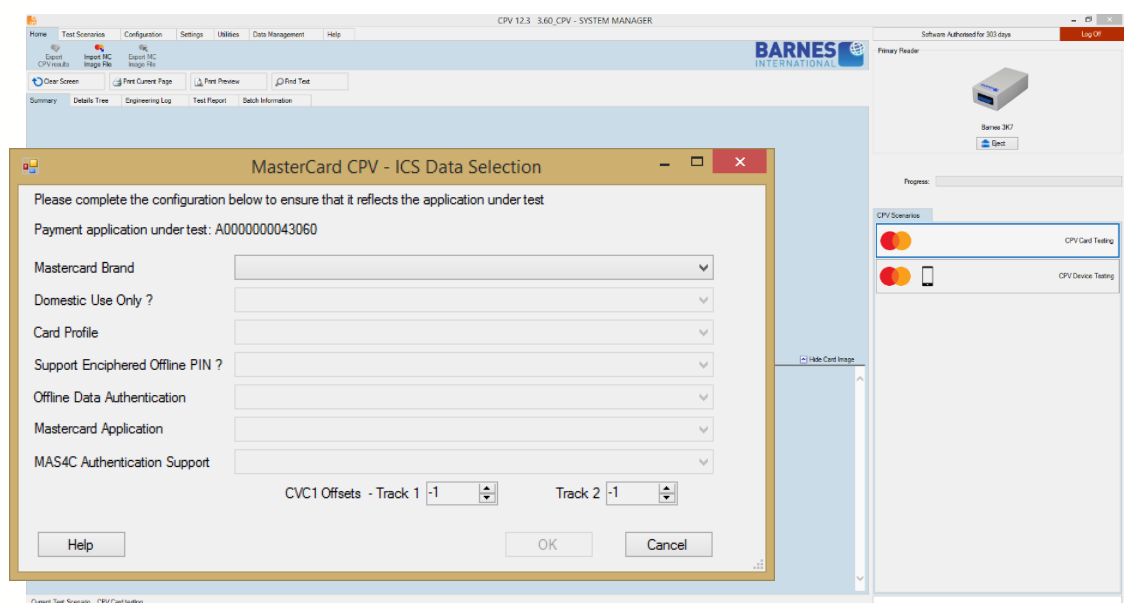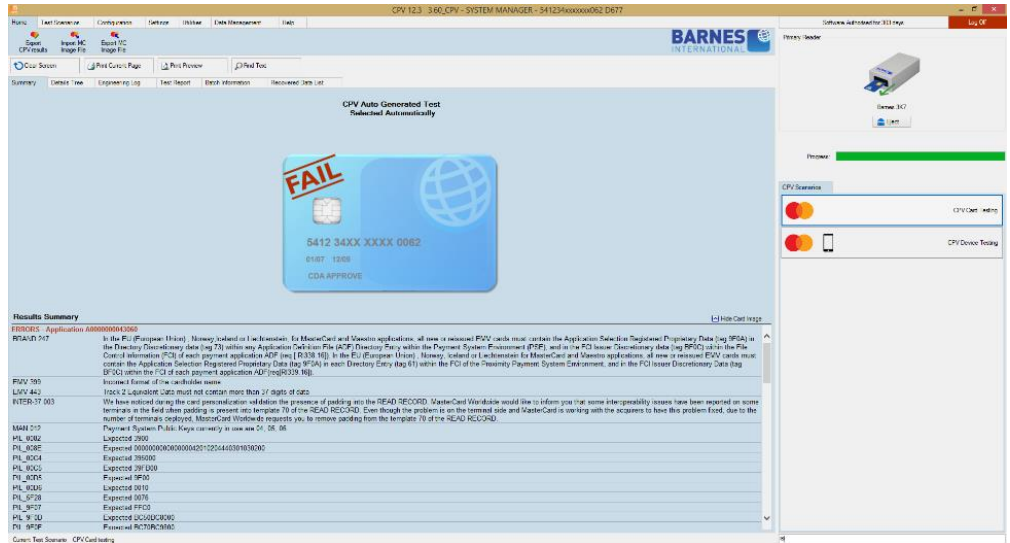
- ATH
- BKM Troy
- Credibanco
- CUP
- Discover D-PAS CPV
- EBC
- Eftpos (CPC)
- GIE CB
- GIMAC
- Interac
- JCB J/Smart 2.0 (Contact), 3.0 (Dual Interface) and HPA (Mobile)
- mada
- Mastercard CPV
- NETS PVT NETS Wise RSA
- PayPak
- RuPay PVT
- VISA GPR and Visa Europe PVT

Instant Result Summary showing a PASS, or in the case of FAIL, the Error or Observation Codes and Comments on the Tests which caused the failure. Test ID file name is created.

THE BARNES ADVANTAGE

Barnes is the chosen test tool of Banks & Issuers, Card Manufacturers, Personalisation Bureaus and Test Laboratories worldwide.

Here are some reasons why:

BUSINESS AGILITY

Barnes test tools are easy to use by both technical and non-technical users, and speed up card development and payment scheme certification.

COST ELIMINATION

The high business costs and wasted resources of producing and issuing invalid cards are eliminated.

RISK REDUCTION

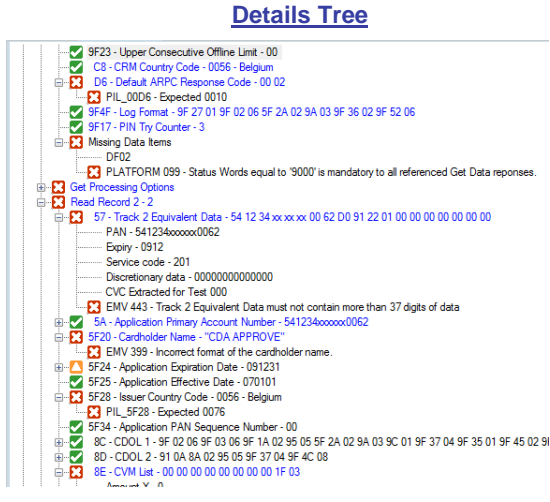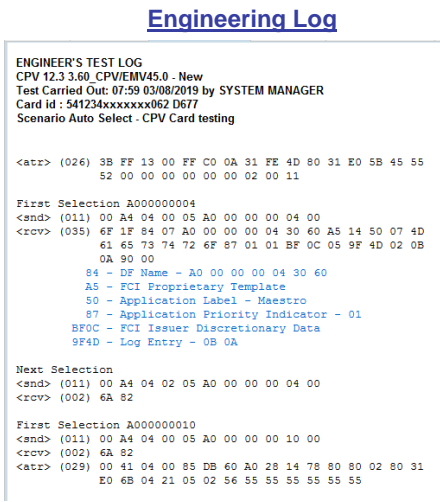The reputational risk of issuing invalid EMV cards to end customers is reduced.

FUTURE PROOFED

Barnes works in partnership with all major payment schemes. As scheme rules evolve, Barnes rapidly makes updated test script packs available to customers via the Barnes website.

SERVICE EXCELLENCE

Our clients have every confidence that, whatever their test requirement, the Barnes team is always on-hand to deliver expert advice and fast support.

Tabs provide access to **Details Tree**, **Engineering Log** and **Test Report**. The detailed Results Tree and Engineering Log enable analysis and clear guidance for all levels of user.

Engineering Log

Details Tree

A full **Test Report** detailing the tests carried out and more in-depth detail on the errors and observations, plus the ICS selection used and a list of all the tests performed.