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 rigorous 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 CAT3000v3 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.
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.

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.

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.