BARNES INTERNATIONAL

Visa GPR PVT Module for Self-Certification
EMV Personalisation Validation Tool

Speeds up Visa certification and reduces the high cost and delay associated with qualification failure

To achieve Visa certification Banks, Card Manufacturers, Personalisation Bureaus and Test Laboratories must ensure their cards comply with Visa's latest Global Personalisation Requirement (GPR) specifications. Obtaining Visa qualification can be a timely and costly process. To reduce the risks of failure, cards can be validated using the Visa GPR PVT Module from Barnes. Approved by Visa, it uses the same detailed and rigorous tests they use to perform qualification tests on cards.

The Visa GPR PVT Module is valid for all regions. However, Self-Certification is only available for the EU market at the moment. This means that once a "Pass" has been achieved, the test report (Visa EU CCRT Report) is sent to Visa EU as evidence that the card is compliant with the Visa Rules and matches the associated Visa Personalization Assistant (VPA) profile, instead of sending the physical card to Visa EU.

Solution Overview

The Visa GPR PVT Module complements the CPT3000v3CL Card Validation Test Tool, resulting in a Chip Compliance Reporting Tool (CCRT). The module runs as integrated scenarios on the CPT3000v3 platform and may co-exist with other modules such as Host Simulation (including HSM), which is required in order to carry out the script processing tests which form part of Visa Certification for Visa International and Asia Pacific regions. The overall PVT test result outcome (PASS or FAIL) is dependent on the outcome of the Template Checking (VPA), the Execution of GPR Test Cases, Execution of VE Addendum Test Cases and Execution of IDS Test Cases.

THE BARNES ADVANTAGE

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

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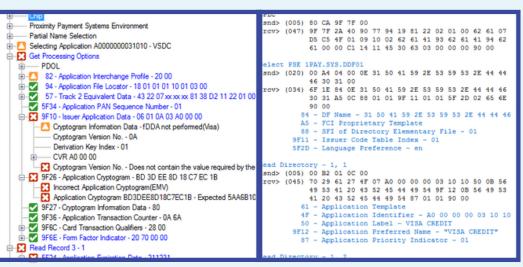
SERVICE EXCELLENCE
Our clients have every confidence that, whatever their test requirement, the Barnes team is always on-hand to deliver expert advice and fast support.

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.
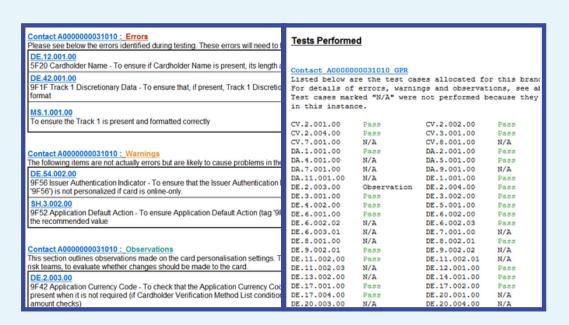
Details Tree

Engineering Log

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

VPA Data Comparison

Tag	Description	Personalized Value	Expected Value	Validation Result
9F52	Application Default Action	C3380000	82081000*	Fail
82	Application Interchange Profile	1C00	1800	Fail
50	Application Label	VISA CREDIT	VISA CREDIT	Pass
87	Application Priority Indicator	01	01	Pass
9F07	Application Usage Control	FF00	FF00	Pass
9F5D	Available Offline Spending Amount	not personalized	01	Fail
8C	CDOL 1	9F02069F03069F1A0295055F2A029A039C019F3704	9F02069F03069F1A0295055F2A029A039C019F3704	Pass
8D	CDOL 2	8A029F02069F03069F1A0295055F2A029A039C019F3704	8A029F02069F03069F1A0295055F2A029A039C019F3704910A	Fail
8E	CVM List	000000000000000020142031E031F00	000000000000000020101031E031F02	Fail

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