

GlobalPlatform UICC and Basic Financial Configuration Test Tool

GPT

Speeds up development for smart card manufacturers and mobile network operators working towards GlobalPlatform qualification

The GPT is essential for smart card manufacturers and mobile network operators working with GlobalPlatform v2.1 and v2.2 products. The test tool can be used to confirm compliance with GlobalPlatform card specification v2.2.1 and other certifications, speeding up the development process and reducing the costs associated with gaining GlobalPlatform qualification status.

SUPPORTED SPECIFICATIONS

Global Platform 2.1.1 Cards

Test Suites:

UICC (GP 2.2.1) core functionality including Amendment A

UICC (GP 2.2.1) Amendment C

Basic Financial Configuration (GP 2.1.1)

Mapping Guidelines

GP Benchmark



Solution Highlights

- Cost efficient:** Pre-testing enables the user to speed up development, reducing the time and cost of qualification.
- Flexible:** Fully configurable to suit user's test strategy; one or a thousand tests can be conducted in a single card insertion.
- Easy to use:** Instant and hyperlinked test displays enable the user to quickly search for information and resolve any issues.
- Clear reporting:** Users can choose between simple test reports or the detailed engineering log.
- High speed:** Test speed is limited only by the speed of the card communication.
- Up-to-date:** When GlobalPlatform deliver new tests. Updates to the tool test suites are made available via the internet.





Features and Benefits

All the features of the GPT are designed to reduce the time and costs associated with achieving GlobalPlatform qualified status.

THE BARNES ADVANTAGE

Barnes is the chosen test tool of Banks & Issuers, Card Manufacturers, Personalisation Bureaux 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 is eliminated.

RISK REDUCTION

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

FUTURE PROOFED

Barnes works in partnership with all major payment schemes. As scheme rules evolve, Barnes rapidly make 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.

Powerful Diagnostic Tools

Data displays include Card Test Result Summary, Test Report and Full Engineering Log. Hyperlinks between the Engineering Log and the GlobalPlatform Test Suite allow the user to quickly identify, diagnose and fix problems.

Adaptable Test Selection

Users can easily choose between GlobalPlatform Test Suites, and within each Test Suite choose to test complete packages, card state, or run individual destructive or non-destructive tests.

Network Capability

The tool can be used in a networked environment with individualised user access levels and settings. All test scripts, test scenarios, public keys, users and reporting for multiple tools can be managed centrally, ensuring consistency across all units.

Easy to Install, Use and Maintain

As with all Barnes tools, the GPT is easy to install and meets the needs of both non-technical operators as well as IT and engineering chip staff. Users are future-proofed against evolving specifications, as updated test scripts are made available via the internet.

Current Tests

GlobalPlatform 2.1.1 Cards Basic Financial Configuration Version 1.5

- ✓ Secure Messaging
- ✓ Logical Channel Management
- ✓ Data Store
- ✓ Life Cycle State Management
- ✓ Key Management
- ✓ Card Content Management
- ✓ GPAPI

GlobalPlatform 2.2.1 Cards UICC Configuration Version 1.0.1

- ✓ Secure Messaging
- ✓ Logical Channel Management
- ✓ Data Store
- ✓ Life Cycle State Management
- ✓ Key Management
- ✓ Card Content Management
- ✓ Confidential Card Content Management
- ✓ GPAPI
- ✓ SD Tree
- ✓ SD Tree Extended

Optional - Additional Qualified Packages:

- ✓ UICC Contactless extension v1.0/
Contactless Services Card Spec v2.2
Amendment C UICC v1.0.1 (includes MP65
reader)
- ✓ Mapping Guidelines 2.1.1 to 2.2 (v1.2.0)
- ✓ GP Benchmark v1.0.0