Collis M/Chip & PayPass Test Suite

Chip Functional Precertification

MasterCard® M/Chip™

M/Chip is MasterCard's EMV-compliant application for functionality on a smart card chip. It helps to fight fraud and increase security of global card payments. It comes in two versions: M/Chip Lite (streamlined & cost effective) and M/Chip Select (more sophisticated and offering more features).

MasterCard® *PayPass*™

MasterCard *PayPass* is an application for making contactless payments. It allows consumers to pay for low-value purchases by simply tapping the card next to a contactless terminal. The functionality specifications on these cards are known as *PayPass* M/Chip and *PayPass* Mag Stripe.

Test Plan

Our extensive experience in card testing enabled us to derive test plans for M/Chip and *PayPass*. These test plans provide excellent coverage of functionality specified by MasterCard.

Test Suite

We have implemented all tests in test suites, enabling a high quality precertification process. This means that Collis M/Chip & *PayPass* Test Suite is an ideal tool for those who are in the process of adding MasterCard M/Chip & *PayPass* application support to their chip technology. The test suite is designed to be used during the development process in order to pinpoint any issues that may arise during testing these contact and contactless applications.

Functional Test Cases

The Collis M/Chip & *PayPass* Test Suite consists of a set of test cases designed for cards functional type approval. Eventually the implementations will be tested and certified by MasterCard's authorised labs. However the Collis M/Chip & *PayPass* Test Suite will ensure that the products are as advanced in the certification process as possible. This 'head start' will aid a smooth certification process and save time and money in the long run.

Collis M/Chip & *PayPass* Test Suite - Key Benefits

- **High quality precertification self-testing**
- **Shorten development cycle & speed up time to market**
- **Production quality assurance**

Features & Benefits

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The Collis M/Chip & *PayPass* Test Suite has been developed especially for M/Chip & *PayPass* chip designers and manufacturers. It is extremely beneficial in shortening the development cycle by performing precertification as well as general quality assurance.

Similar to any other Collis test product, the test suite is implemented with *automated* testing in mind; therefore, testing is as simple as executing and following the on-screen instructions. All configurable parameters, such as keys and PINs, are organised in a logical way for easy accessing. A comprehensive test report is generated for necessary inspections.

The Collis M/Chip & *PayPass* Test Suite provides a test tool for immediate testing. It is also a platform to build customised test scripts to meet new test requirements as they evolve.

Additional Products

- **Collis VSDC/VCPS Test Suite**
  (Reference codes: VSDC-P1 or VCPS-P1)
- **Collis CCD/CPA Test Suite**
  (Reference code: CCDCPA-P1)
- **Collis Card Spy**
  (Reference code: C-Spy-P1)

Product Range

Collis M/Chip & *PayPass* Test Suite
The test suite covers:

- M/Chip 4
- M/Chip Lite
- *PayPass*-M/Chip
- *PayPass*-Mag Stripe

All test card profiles are also included helping the testers to create appropriate test cards.
(Reference code: M/C&PP-P1)

Conclusion Test Platform
The Collis M/Chip & *PayPass* Test Suite runs on top of the Collis Conclusion Test Platform; a versatile tool for testing interfaces and protocols.

In Conclusion Test Platform the test scripts can be programmed in a comprehensible way by making use of the scripting language ETDL — Executable Test Description Language, that is based on the ISO 9646 standard for protocol testing.
(Reference code: CTP-P1)

Contact

For sales enquiries, please contact info@ul-ts.com or go to www.ul-ts.com

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