Collis EMVCo Level 2 Test Suite

An ideal tool for EMVCo Level 2 precertification

Terminal Testing

EMV migration fever has now taken hold of most areas of the world. This comes as no surprise when you take into account of the single major benefit associated with EMV payment systems: improved security and a drastic reduction in fraud. One of the aims of EMV is to ensure global interoperability. To achieve this, all terminals need to undergo EMV Certification.

The Collis EMVCo Level 2 Test Suite is an ideal solution for anyone involved in EMV Level 2 testing of terminals. Whether you are upgrading existing terminals for EMV migration or developing a new terminal from scratch, the Collis EMVCo Level 2 Test Suite will speed up your certification process. It can be used for precertification of both ATM and POS terminals.

EMV Certification

What is it exactly?
EMVCo developed specifications that define a set of requirements to ensure interoperability between smart cards and terminals on a global basis. EMVCo Type Approval testing is divided into two levels; EMV Level 1 and EMV Level 2.

EMV Level 1 covers physical, electrical and transport level interfaces. This testing is mandatory for the terminal hardware.

EMV Level 2 covers payment application selection and EMV transaction processing. Level 2 is mandatory for the EMV kernel of the terminal application.

RI QP offers an easy-to-use, comprehensive test suite that will help reduce precertification rounds with EMVCo Laboratories and save money.

Collis EMVCo Level 2 Test Suite - *Your Key Benefits*

- Easy to install, use and configure
- Saves time and money
- Automatic configuration through ICS
- Pinpoints issues at an early stage
- Backed by RI QP expertise and experience

Overview & Setup

Collis EMVCo Level 2 Test Suite Overview

Level 2

Level 2 approval ensures that the software in the terminal (payment/ATM application) can process the commands used in a transaction as defined by the EMV specification e.g. Application Selection, Data Objects List (DOL) retrieval, Application Cryptograms, Online/Offline processing etc. Detailed EMV 4.2 specifications are given in four books published by EMVCo.

In summary the following specifications are covered:

Book 1: Application Independent ICC to Terminal Interface Requirement
Book 2: Security and Key Management
Book 3: Application Specification
Book 4: Cardholder, Attendant, & Acquirer Interface Requirements

EMV Level 2 is covered in books 2, 3,4 and a section of book 1.

Test Suite

The Collis EMVCo Level 2 Test Suite contains a full implementation of all the latest EMVCo Type Approval Terminal Level 2 Test Cases. This is achieved by integrating the function of the Collis EMV Host and Card Simulator into one testing tool. Based on the Implementation Conformance Statement (ICS), the tool automatically selects the tests that are applicable.

The test suite is automated on the card and host side in terms of coming up with tests, and verifying the results. The result of this is a fully automated test environment that allows the tester to perform an EMV Level 2 precertification on any ATM or POS terminal. This means you can avoid costly iterations between terminal development and certification laboratories. The Collis EMVCo Level 2 Test Suite is an absolute must for every EMV terminal vendor/ developer.

Collis EMVCo Level 2 Test Suite Setup

The Ultimate Testing Tool

Collis SmartLinkBox

ICS

Implementation conformance statement

EMVCo defines a template for the Implementation Conformance Statement to indicate which (optional) functions are implemented in an EMV Kernel. RI QP uses this ICS template as configuration input for the Collis EMVCo Level 2 Test Suite. Through this, the test scripts are automatically configured, (keys, certificates, settings, etc) and the applicable tests are automatically selected.

Features

- Easy-to-view test reports
- Host Simulator
- More than 1,200 Test Cases

Terminal-to-Host Protocols

- APACS 30/40/70
- SPDH
- NDC
- IFX
- CTAP
- Collis TLV Protocol
- ISO 8583

Collis SmartLink Box

A truly accomplished device

The Collis SmartLink Box is mandatory in using the Collis EMVCo Level 2 Test Suite. It is a hardware tool that must be placed on the interface of the terminal enabling the user to monitor all signals that are exchanged between the terminal and the test suite.

Collis 'Engine'

The Collis Conclusion Test Platform is the 'engine' on which the Collis EMVCo Level 2 Test Suite runs. It is used for automated test execution. 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.

Collis EMVCo Level 2 Test Suite

Contact us

Product Range

Collis EMVCo Level 2 Test Suite
(Reference code: C-EMVCo-L2-P1)
Collis Conclusion Test Platform
(Reference code: CTP-P1)
Collis SmartLink Box
(Reference code: SLB-P1)

Additional Products

Collis Card Spy
(Reference code: C-Spy-P1)
Collis Brand Test Tool
(Reference code: CBTT-P1)
Collis Card Image Editor
(Reference code: CCIE-P1)
Collis Card Simulator
(Reference code: CCS-P1)
Collis Host Test Tool
(Reference code: CHTT-P1)
Collis EMV Personalisation Validation Tool (including EMV Card Explorer - contact & contactless)
(Reference code: C-PVT-P1)

Contact

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

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