



**'CPV Module for MasterCard' in EMV PVT qualified by MasterCard**

MasterCard has qualified Collis' new 'Card Personalisation Validation (CPV) module for MasterCard' within the Collis EMV Personalisation Validation Tool (Collis EMV PVT). Professional testing of personalised MasterCard EMV/PayPass cards is essential to ensure worldwide acceptance of cards. Collis' newly developed module checks if MasterCard cards are correctly personalised according to MasterCard's CPV test specifications.



Certification of Cards & Terminals

The CPV Module for MasterCard has been qualified by MasterCard to ensure that the tool adheres to MasterCard (test) specifications. With this module, issuers of MasterCard cards can speed up the personalisation process and shorten time to market. The Collis EMV PVT with the CPV Module for MasterCard is now the most thorough, comprehensive testing tool available in the market today.

More information: [www.collis.nl/news](http://www.collis.nl/news)

**VCPS Test Suite Confirmed by Visa**

The Collis VCPS Test Suite has been developed for Visa chip functional testing and/or certification. Card vendors and card issuers can use the Collis VCPS Test Suite to perform a pre-approval on their VCPS payment products. Pre-approval/certification means that the smart card conforms to all requirements in the VCPS specification.

The Collis VCPS Test Suite has been developed especially for VCPS chip designers and manufacturers. It is extremely beneficial in shortening the development cycle (i.e. debugging), pre-certification testing, as well as for general production quality assurance. The Collis VCPS Test Suite contains more than 200 test cases including all three transaction paths: qVSDC, MSD, and Streamline qVSDC. In addition, Common Personalisation tests are also included. The Collis VCPS Test Suite is confirmed by Visa and covers 100% of all test scenarios specified by Visa.



Chip Functional Testing/Certification

More information: [info@collis.nl](mailto:info@collis.nl)

**Mobile Training Courses**



Aspects has developed an SWP/HCI training course targeted at SWP developers and testers. Delegates will gain a detailed understanding of the SWP/HCI interface which they can use to design, develop and test new SWP technologies. The course is aimed at experienced developers and test engineers.

For those new to mobile technologies and the SIM card, Aspects offers an introductory training on mobile testing. The training covers ISO, GSM and 3G standards and explains toolkit applications (SAT). Delegates come to understand the importance of the USIM to the telecoms environment and appreciate the differences between GSM and 3G.



Mobile Training

More information: [www.aspectstools.com](http://www.aspectstools.com)

- In this issue:**
- ◆ CPV Module for MasterCard qualified
  - ◆ VCPS Test Suite Confirmed by Visa
  - ◆ Mobile Training Courses
  - ◆ Events Calendar
  - ◆ EMVCo qualifies CPA/CCD Test Suites
  - ◆ Collis develops new standard for APTA
  - ◆ Testing & Brand Certification Services
  - ◆ EAC in Collis e-Passport Test Suite
  - ◆ EMV Chip Certification Service
  - ◆ Contactless & Mobile Payments Training
  - ◆ Upcoming Training Courses

**Events Calendar**

**Meet Collis & Aspects Tools at these Events:**

**2nd NFC & International Micropayments Forum**  
24 June  
Chunghwa Telecom  
Taipei, Taiwan

**Cards & Payments Latin America**  
22-24 September  
Intercontinental Hotel  
Miami, USA

**SmartCard**  
22-24 September  
Grand Hotel Adriatic  
Opatija, Croatia

**Cardware (Securing Payment)**  
8-9 October  
Waterloo Inn  
Ontario, Canada

**Cartes**  
4-6 November  
Villepinte Exhibition Centre  
Paris-Nord, France

**For more information email:**  
[info@collis.nl](mailto:info@collis.nl)  
[info@aspectstools.com](mailto:info@aspectstools.com)

TO UNSUBSCRIBE  
Email [news@collis.nl](mailto:news@collis.nl) or  
[info@aspectstools.com](mailto:info@aspectstools.com)  
with UNSUBSCRIBE as subject

### Collis CPA/CCD Test Suites have been qualified by EMVCo (versions 4.1c and 1.0c)

Collis CPA/CCD Test Suites are the perfect solution for testing CPA/CCD compliance according to EMVCo test requirements. The updates to Collis CPA/CCD Test Suites include corrections to the test cases and new bulletins for which test cases were adapted or created. CPA now includes Bulletins Specification Update 60 (CPA Logging Data Element Minimums) and Specification Update 61 (CPA Additional Check Table Error Processing). CCD now includes Bulletin Specification Update 41 Third Edition (Corrections to Common Core Definitions). Collis CPA/CCD Test Suites have also been verified by FIME.

With nearly 1700 test cases (for CPA & CCD) from EMVCo implemented, Card Developers can assure the compliance and certification of their cards and terminals by testing their products with the Collis CPA/CCD Test Suites. These Test Suites allow Smart Card Developers to test their smart card applications. With the Collis CPA/CCD Test Suites, tests can be run during the development process of the card such that possible errors maybe discovered at an early stage.

More information: [www.collis.nl/products/emv3/card-platform-testing/cpa/ccd-test-suites](http://www.collis.nl/products/emv3/card-platform-testing/cpa/ccd-test-suites)



Certification of Cards & Terminals

### Collis supports APTA in the development of a new test standard

Collis has been selected by the American Public Transport Association (APTA) to develop a Test Standard. This standard describes how to check the compliance of systems to the APTA CMFS Standard (CFMS = Contactless Fare Media System). With this standard APTA helps its members (Public Transport Agencies and Vendors) to come to more standardised, interoperable e-Ticketing systems. Compliance testing is essential in that approach. Collis is pleased to help APTA with that.

More information: [info@collis.nl](mailto:info@collis.nl)



Public Transport

### Testing & Brand Certification Services from Collis Test Centre

Since the last Issue of Collis Connect, the Collis Test Centre has been continuing work on various projects testing POS terminals such as unattended payment terminals for petrol. Increasingly, more and more banks are approaching Collis to be responsible for their terminal certification.

The Collis Test Centre is also working on the improvement of Brand Certification together with the brands and the acquirers. The Collis Brand Test Tool plays an important role in this process. It provides a unique solution to enable terminal acquirers and vendors to validate the payment brand testing of their EMV terminals (POS, ATM).

More information: [www.collis.nl/testing/test-centre](http://www.collis.nl/testing/test-centre)



Collis Test Centre  
for Brand Certification

### Collis now supports EAC in the Collis e-Passport Test Suite

By July 1, 2009 all EU Member states have to issue biometric passports with fingerprint-technology. This technology is called Extended Access Control (EAC). The BSI/Secunet (from Germany) and AFNOR (from France) have agreed on a joint test plan. Collis now has implemented all tests as described in the latest, official version of the document: 1.11 (April 30, 2008; AFNOR/BSI) in the Collis e-Passport Test Suite. This means that Collis offers a full range of test suites for testing of e-Passport technology. Both on functional/application level and on personalisation/data level.

More information: [www.collis.nl/products/e-passport.htm](http://www.collis.nl/products/e-passport.htm)



e-Passport Personalisation  
Validation & Functional Testing



### EMV Chip Certification Service

For card issuers, chip personalisation certification is the last step to take before EMV cards can be issued to your cardholders. Chip personalisation certification is performed by the scheme (e.g. Visa, MasterCard) and is a final check to confirm if chip parameters and keys have been set up correctly. Collis is offering a complete end-to-end EMV Chip Certification Service that will take your organisation through all the necessary steps in order to achieve chip certification in just one single iteration! A combination of Collis' knowledge and expertise, the use of professional test and analysis tooling, and a transparent four-step approach will ensure that your EMV project might benefit from up to 8 weeks reduction in time-to-market.



Chip certification Service

More information: [www.collis.nl/payment/emv/consulting-services/for-card-issuers/chip-certification](http://www.collis.nl/payment/emv/consulting-services/for-card-issuers/chip-certification)

### Contactless & Mobile Payments Training Course

Contactless payments, sometimes also referred to as proximity payments, are gaining increasing momentum in countries all over the world. The Collis Training Academy offers a training course specifically targeted at those wanting to know more about Contactless and Mobile payments, corresponding product features, business models, underlying technology, and deployment and operation of Contactless payment services in relation to EMV and magnetic stripe infrastructures.

This training is designed to add value to a broad audience from the payments and mobile industry and beneficial for employees of financial institutions (Issuers, Acquirers), terminal vendors and handset manufacturers as well as those who are interested in learning all that is relevant to know about Contactless & Mobile Payments.



Mobile Payments

More information: [training@collis.nl](mailto:training@collis.nl)

### Collis Training Academy - Upcoming Sessions

#### EMV Executive & Expert Courses

6-7 Aug 2008, Leiden Head Office, NL  
27-28 Aug, Collis Asia, Singapore  
5-6 Nov 2008, Leiden Head Office, NL  
19-20 Nov, Collis Asia, Singapore

#### Contactless & Mobile Payments Courses

12-13 June 2008, Leiden Head Office, NL  
10-11 Sep 2008, Leiden Head Office, NL  
10-11 Dec 2008, Leiden Head Office, NL

#### TestGoal Training Courses

4-5 Sep 2008, Leiden Head Office, NL

#### Registrations

Contact Collis Offices Below or Email:

[training@collis.nl](mailto:training@collis.nl)  
[training@collisamerica.com](mailto:training@collisamerica.com)  
[training@collisasia.com](mailto:training@collisasia.com)

Visit: [www.collis.nl/emv/academy](http://www.collis.nl/emv/academy)

#### In-Company Training

For several participants from the same company, an in-company course could be a better option. In these trainings, Collis keeps the attention and focus on your organisation's current status.

For a customised offer, contact us:  
[training@collis.nl](mailto:training@collis.nl)  
[training@collisamerica.com](mailto:training@collisamerica.com)  
[training@collisasia.com](mailto:training@collisasia.com)

### Contact Us

#### Collis

De Heyderweg 1  
2314 xz Leiden  
The Netherlands  
T: +31 71 581 36 36  
F: +31 71 581 36 30  
E: [info@collis.nl](mailto:info@collis.nl)  
W: [www.collis.nl](http://www.collis.nl)

#### Collis America

3900 Northwood's Drive  
Suite 350, Arden Hills  
MN 55112, USA  
T: +1 651 925 5410  
F: +1 651 925 5429  
E: [info@collisamerica.com](mailto:info@collisamerica.com)  
W: [www.collisamerica.com](http://www.collisamerica.com)

#### Collis Asia

No. 3 International Business Park  
No. 07-11 Nordic European Centre  
Singapore 609927  
T: +65 68 90 64 40  
F: +65 68 90 64 41  
E: [info@collisasia.com](mailto:info@collisasia.com)  
W: [www.collisasia.com](http://www.collisasia.com)

#### Aspects Tools

Playfair House  
6 Broughton Street Lane  
Edinburgh EH1 3LY  
United Kingdom  
T: +44 131 225 9500  
F: +44 131 225 9555  
E: [info@aspectstools.com](mailto:info@aspectstools.com)  
W: [www.aspectstools.com](http://www.aspectstools.com)