

International Payment Scheme Contactless Payment Seminar

Banking & Payment Services

ADVANCED COURSES

Course Reference: B1008S





Contactless payment is expected to become one of the dominant modes of transaction within the next couple of years with already large deployment in the US, numerous projects in Asia and pilots in Europe.

During this two-day seminar you will study contactless implementations defined by MasterCard and Visa (MasterCard PayPass, Visa Contactless) and focus on the main challenges when launching a contactless payment program.

Objectives

At the end of the training, you will:

- | Have an overview of the current contactless payment programs implemented by Visa, MasterCard and EMV
- | Evaluate the impact of contactless migration
- | Identify and quantify the tasks needed to launch a contactless payment program

Key topics

- | MasterCard PayPass contactless payment implementation
- | Visa Contactless payment implementation
- | Contactless security level defined by Visa and by MasterCard
- | EMV Entry Point Specifications
- | Impacts and scenarios of migration)

Who should attend

People involved in the smart card activity:

- | Marketing managers
- | Technical project managers
- | Banking Project managers
- | Product managers

Each session consists of

- | A complete course manual

Pre-requisites

- | Basic knowledge about smart cards.
- | This course is held in English. On customer request a session in French can be organized.

Duration:

- | 2 days

Location:

- | On-site at customer premises, or at one of the Thales training centers. Please contact us for more details.

Course fee:

- | € 1499 per attendee, Price does not include taxes nor travel expenses

Course schedule

When performed at customer premises, the agenda is tailored to customer attendance profile. The standard agenda is provided below:

AGENDA

Business Overview of Contactless Payment

General technical overview of contactless implementations defined by Visa and MasterCard

- | Comparative analysis of the implementations defined respectively by MasterCard and Visa for magstripe acquiring environment and chip acquiring environment

EMV Contactless Specifications

- | Analysis of the EMV Contactless Entry Point Specifications allowing a terminal to support several contactless implementations (for example contactless implementations defined by MasterCard and Visa)

Detailed analysis of the contactless implementation defined by MasterCard

- | Analysis of the MasterCard Contactless Transaction Flow (PayPass Magstripe / PayPassChip)
- | Detailed analysis of MasterCard PayPass Risk Management Algorithm
- | Algorithm used for generation of the MasterCard CVC3

Detailed analysis of the contactless implementation defined by Visa

- | Analysis of the Visa Contactless Transaction Flow (Visa MSD / Visa qVSDC)
- | Detailed analysis of Visa Risk Management Algorithm (detailed analysis of the options defined by Visa for qVSDC implementation (VL mode, LV and CTTA mode, LV or CTTA mode))
- | Analysis of Visa Fast DDA algorithm
- | Algorithm used for generation of the Visa Dynamic CW
- | Analysis of Visa Cryptogram version 17

Conclusion

Related courses

EMV Business Impacts (B1001I)

Mastering EMV Implementation (B1002I)

EMV Migration for Issuers (B1003S)

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Payment Seminar (B1008S)**

Contactless payment Technology (B1021S)

For further information about registration, course schedule: please contact us via email to: bps_training@thalesgroup.com or visit our web site: <https://www.thalesgroup.com/en/markets/digital-identity-and-security/banking-payment/consulting>