

# International Payment Scheme Contactless Payment Seminar



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:** Gemalto premises<sup>1</sup>

**Course fee:** € 1499 per person<sup>2</sup>

<sup>1</sup>All training courses can be held on-site at customer premises, or at one of the Gemalto training centers. Please contact us for more details.

<sup>2</sup> Price does not include any taxes

## 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 CVV
- > Analysis of Visa Cryptogram version 17

#### Conclusion

## Related courses

EMV Business  
Impacts  
(B1001I)

Mastering EMV  
Implementation  
(B1002I)

EMV Migration  
for Issuers  
(B1003S)

International  
Payment Scheme  
Contactless  
Payment Seminar  
(B1008S)

Contactless  
payment  
Technology  
(B1021S)

Set up your Mobile  
Payment Project  
(B1013S)

For further information about registration, course schedule: please contact us via email to: [banking.training@gemalto.com](mailto:banking.training@gemalto.com) or visit our web site: <http://www.gemalto.com/>

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