

# TSM for mobile NFC services deployment



With its involvement in more than 35 mobile payment projects worldwide, Gemalto is proud to share its know-how and practical experience.

This training is targeting service providers, in particular financial institutions, and provides with key business and technical concepts to deploy and manage mobile NFC services.

On top of giving fundamentals on the NFC service deployment environment, it deeply insists on TSM functionalities and use cases and provides with detailed case studies.

## Objectives

At the end of the training, you will:

- > Know the relationships between various stakeholders of NFC ecosystem
- > Understand the TSM roles and responsibilities, as well as the prerequisites for deployment
- > Have insights on most important standards
- > Identify the tasks needed to launch your mobile contactless payment program

## Key topics

- > ETSI / EMVCo / Global Platform standards
- > TSM technical and business architecture
- > Detailed TSM functionalities and interactions
- > Variations between secure elements
- > TSM implementation and case studies

## Who should attend

People from Banks or Payment Systems

- > Marketing managers
- > Technical project managers
- > Operational team
- > Security managers

## Each session consists of

- > A complete course manual including a dictionary of the most frequent acronyms used in the NFC ecosystem

## Pre-requisites

- > Basic knowledge on NFC e.g. via the introduction course "Explore the new Dimensions of NFC Payment" (B10151).
- > 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:** € 2100 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 can be tailored to customer attendance profile. The standard agenda is provided below:

### Day 1 – Business aspects & technical overview

#### Welcome and training overview

#### Introduction to mobile NFC

- > NFC service and consumer use cases
- > Stakeholders
- > Business drivers
- > High-level TSM role

#### NFC service deployment

- > Handset application
- > SE application
- > SE types
- > Global Platform basics
- > Deployment models

#### Demonstration

#### TSM roles and architecture

- > Roles & responsibilities
- > Architecture overview
- > Split model (SE Issuer TSM and Service provider TSM)
- > Variation between SEs
- > Security requirements
- > Business implementations

#### Standards in use

- > Global Platform
- > EMVCo
- > ETSI
- > Trusted Execution Environment

## Day 2 – Detailed architecture and functionalities

### Secure element architecture

- > Secure Element architecture
- > Secure Element Access Control

### TSM detailed functionalities

- > Push and pull requests
- > Technical detailed use cases
- > Interfaces between TSM and the other stakeholders (SP, MNO, handset, other TSM)
- > Payment TSM services snapshot for Visa and Mastercard
- > Impact on Service provider backend
- > Typical implementations
- > Certification
- > Security

### Demonstration

### TSM implementation simulations

- > Typical project plan
- > Payment Case Study: Credit (online only)
- > Payment Case Study: Prepaid (online/offline)

### Question & Wrap-up

## Related courses

Introduction to the  
Banking World  
(B1014I)

Explore the new  
Dimensions of NFC  
Payment (B1015I)

TSM for mobile  
NFC service  
deployment  
(B1016I)

Set up your Mobile  
NFC Payment  
Project (B1013S)

Global  
Platform 2.2  
(T1010I)

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/>