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# Training - Discovering Smart Card Ecosystem

**Brand:** Gemalto  
**Product Code:** SMATRRAIN102



## Short Description

User Case Customized Training

## Description

### Day 1

Introduction to Mobile NFC

- > History
- > What is Mobile NFC?
- > Use Cases
- > Business drivers & models for different actors
- > Market feedback on trends (JV, SIM rental...), lessons learned (enrolment, advertising...) & best practices
- > Real deployment examples, Case Study, videos & Demos

Focus on Mobile Equipment

- > Architecture for Mobile Contactless
- > Secure Elements & NFC-related protocols
  - o Different solutions compared
  - o Market trends
- > User Interface (UI)
  - o Wallet introduction
  - o User experience for selecting & using NFC services (CRS, CREL concepts from GP2.2 Amendment C)

- o UI technology & specifications
  - \_ STK, Java, Android, and JSR 177, SIMalliance
    - o Mobile Application – NFC UICC application security overview (Access Control)
- Focus on SIM Secure Element
- > What is a smart card & Why adapted for hosting of MNO, NFC payment & transport applications
  - > Understanding UICC Multi application model
  - > Security features
  - > Remote management of data
  - > Summary of specific UICC features required for using as NFC services Secure Element

## Day 2

### Global Platform Basics

- > What is GlobalPlatform ?
- > How actors can manage their applications on the same card
- > What is a Security Domain & how can it be used?
  - o Privileges, market trends...
- > Secure Channel Protocol overview (SCP80, 02...)
- > Card Content Management basics (INSTALL, LOAD, PERSO, EXTRADITION....)
- > Global Platform Commands summary
- > GP and Mobile NFC – Different Card architectures
  - o Pre-issuance, remote management of content...
- > Controlling Authority (GP2.2 Amendment A), Verification Authority & Certification concepts

### Trusted Service Management

- > What is TSM?
- > Split architecture between SP-TSM & SE Issuer (MNO)-TSM
- > Each Elements basic role
- > SP-TSM deployment models & Server Architectures
  - o Corresponding Card architectures
- > Contracts management examples

### Focus on Server Side (& MNO-TSM)

- > SP-TSM & SE Issuer-TSM interfaces
  - o Standards (GP System Messaging API & AFSCM)
    - o AFSCM Specification overview (for MNO-TSM)
- > Service Life-cycle management processes examples (Eligibility, activation, lost handset...)
  - o Standards
    - o AFSCM Specification overview

