
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

