

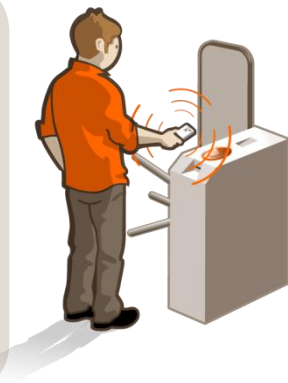
Discovering NFC ecosystem

Everything you need to know about your NFC solutions.

Mobile NFC offers new opportunities to network operators, banks, transport companies and other service providers

This course will allow you to easily understand the main standards, technologies, features & security around this NFC ecosystem, including **UICC, Handsets, Trusted Service Management, OTA & Business Enabler solutions**

NFC requirements for co-operation between these different stakeholders, and **Global Platform** requirements for security and confidentiality will also be explained



At the end of the training you will

- > Understand what is **Mobile NFC** (Near Field Communication) and main **use cases**
- > Be able to describe **Mobile Equipment** architecture needed for Mobile NFC
- > Have an overview on UICC (**SIM**) **Secure Element** functionalities & OTA basic concepts
- > Know how the **different actors** (MNO, Bank, and Transport Operator) can **manage several applications on the same card** via Global Platform (**GP**) specifications
- > Understand Service Provider (**SP**) **TSM** role and possible architectures
- > Understand **MNO TSM (Business Enabler)** on server side and related specifications

Who should attend?

All people involved in Mobile NFC project:

- > Marketing Managers
- > Project Managers
- > Technical team
- > SIM Manager
- > VAS Manager
- > Operational Team
- > Security Managers

Pre-requisites:

- > No specific pre-requisites for this course

This course is held in English

Key topics

- > Contactless
- > NFC (Near Field Communication)
- > Multi - Application SIM & USIM
- > OTA process & security
- > Security Domain / ISD
- > Global Platform 2.2
- > TSM (Trusted Service Manager) - SP
- > TSM – MNO (Business Enabler)



Day 1

Introduction to Mobile NFC

- > History
- > What is Mobile NFC?
- > Use Cases
- > Real deployment examples and videos

Focus on Mobile Equipment

- > Architecture for Mobile Contactless
- > Secure Elements
- > Choosing User Interface

Focus on SIM Secure Element

- > What is a smart card & Why adapted for hosting of MNO, payment & transport applications
- > Understanding UICC Multi application model
- > Security features
- > Remote management of data
- > Demo Card Admin Telecom Card

Day 2

Global Platform Basics

- > What is Global Platform (GP)?
- > How actors can manage their applications on the same card
- > GP and Mobile NFC – Different Card architectures
- > What is a Security Domain & how can it be used?
- > Global Platform Commands overview

Trusted Service Management

- > What is TSM?
- > Basic Architectures
- > TSM in the Card side
- > TSM in the Server side
- > Contracts management example
- > Demo NFC TSM Management

Focus on Server Side:

- > Mobile NFC Solution Architecture with MNO Business Enabler (BE)
- > Elements role
- > TSM SP – BE interface
 - o Standards
 - o AFCSM Specification overview