

Global Platform 2.2

The essential standard for a reliable & interoperable communication between MNO, bank & service providers

Mobile contactless requires trusted **co-operation** between mobile operators, banks, transport companies and other service providers.

The multi-player and multi-application nature makes it essential to provide **high levels of security** and **trust** between parties.

Global Platform 2.2 is today the only **interoperable** standard to allow a secure communication between these parties.



At the end of the training you will

- > Understand the Global Platform 2.2 Smart Card Spec functionalities
- > Understand how the different actors (Mobile Operator, MVNO, Bank, and Transport Operator) can share the same card.
- > Understand how to access a GP card and its applications 'Over The Air'
- > Have a overview of the Global Platform 2.2 standards (UICC configuration, Amendment A...)

Who should attend

- > Bank, Telecom, Transport staff:
- > Service providers
- > Project Managers
- > Security Managers
- > SIM managers
- > System developers

Pre-requisites:

- > This course requires participants to have technical knowledge on smart cards or on payment system applications.

This course is held in English

Key topics

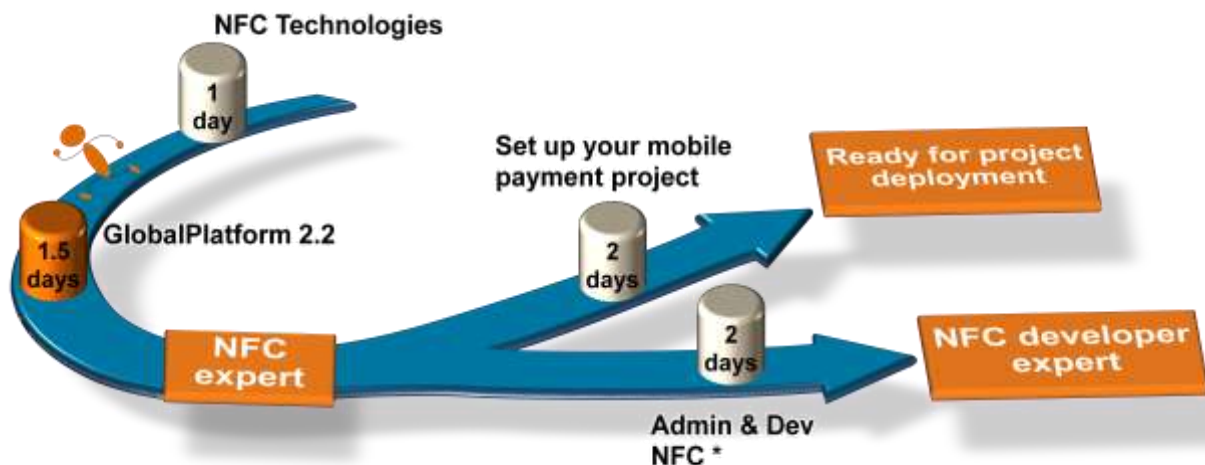
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| <ul style="list-style-type: none"> > Multiapplication Card > OTA "Over The Air" > SCP > Security Domain / ISD | <ul style="list-style-type: none"> > Delegated management > DAP verification > Mandated DAP verification, TSM > Confidential Card Content management |
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Course Schedule



Day 1	Practice
<p>Optionally, overview of a Telecom Card</p> <ul style="list-style-type: none"> > Architecture of a telecom card > File system, commands, access conditions & pin system > SMS Header & Security > Remote applet & file management <p>Global Platform 2.2</p> <ul style="list-style-type: none"> > Introduction and standard history > Actors and Business cases (Controlling authority, Application Provider, Issuer) > Card and security architecture > GP commands <ul style="list-style-type: none"> o Logical channels o Load, install of an applet (ELF, EM) o Commands for cards an applet lyfe cycle > Security Domains & applet privileges > SD Privileges: Card Content Management <ul style="list-style-type: none"> o Delegated management o DAP verification o Mandated DAP verification > Privileges for services 	<p>Use GP commands</p> <p>Load, install applet</p> <p>Test delegated management</p>

Day 1.5	Practice
<p>Global Platform 2.2</p> <ul style="list-style-type: none"> > Confidential Card Content Management” Amendment A of in GP 2.2 <ul style="list-style-type: none"> o OTA Security domain creation with Key allocation (OBKG, temporary keys) o Confidential Application loading o OTA Confidential personalization > Key management > Secure Channel Protocols SCP 02 80 10 > “UICC Configuration” 	



* Pre-requisites: (U)SIM basics, Dev STK