

# Understanding Secure Mobile Identity Technology & Solutions

How to provide user-friendly, valuable & secure solutions for your customer's transactions

Mobile ID Solutions enable **strong & secure electronic authentication & digital signatures** that are fundamental for online transactions and services like **online banking, commerce, corporate access**... These solutions are a major opportunity for MNOs, to provide important and **highly value adding services**, to build customer confidence and loyalty, by knowing their identity is protected, and providing access to many players to secure solutions on your mobile installed base  
This training explains the key ingredients of this **technology; economics and security** from different perspectives; and **opportunities for the different stakeholders**, including real use case examples,



## At the end of the training you will

- > Understand the main security risks linked to authentication & online transactions and the basic concepts around security
- > Be able to describe the main solutions on the market for securing transactions & authentication with their benefits & limitations.
- > Have a clear overview of Mobile PKI solution architecture, ecosystem, with roles & opportunities for different actors
- > Have examples of real-life use cases deployed on the field, with details of technical & business best practices

## Who should attend

Newcomers or refresher course on mobile security services, for related personnel, such as:

- > VAS Teams
- > Innovation and R&D Staff
- > Operation & Maintenance Staff
- > IT & Security personnel
- > ...

### Pre-requisites:

- > No specific pre-requisites for this course

This course is held in English

## Key topics

- > Authentication
- > Digital Signature
- > PKI & Security concepts
- > ETSI 102 204
- > Mobile Identity solutions
- > Ecosystems & Actors
- > Mobile Identity use cases

Day 1	Demos
<p><b>Introduction &amp; Course presentation</b></p> <p><b>Security Risks for User Identity &amp; Online Transactions</b></p> <ul style="list-style-type: none"><li>&gt; Examples of basic use cases where attacks are made</li><li>&gt; Types of attacks</li><li>&gt; Risks involved</li><li>&gt; Consequences for User/Service Provider</li></ul> <p><b>Overview on How User Identity &amp; Online Transactions can be secured</b></p> <ul style="list-style-type: none"><li>&gt; Basic principles of Securing User identity &amp; online transactions (Identity, Authenticity, confidentiality, non-repudiation)</li><li>&gt; PIN solution (advantages &amp; limitations)</li><li>&gt; Symmetric cryptography solutions (idem)</li><li>&gt; PKI principles</li></ul> <p><b>Solutions for Mobile Identity Security</b></p> <ul style="list-style-type: none"><li>&gt; Market solutions overview</li><li>&gt; Comparison of benefits &amp; limitations of different solutions</li><li>&gt; Architecture of mobile PKI end-to-end solution</li><li>&gt; Role of each brick in the solution &amp; interfaces with existing infrastructure</li><li>&gt; Actors: who is responsible for what</li><li>&gt; Mobile Network operators: Role &amp; opportunities</li><li>&gt; ETSI 102 204 standard overview and how it is actually implemented in real deployments</li></ul> <p><b>Mobile ID Use Cases, Solutions &amp; Best Practices</b></p> <ul style="list-style-type: none"><li>&gt; Examples of real use cases: Risks &amp; Solutions Overview<ul style="list-style-type: none"><li>o Online Bank Auth</li><li>o Mobile Money Transfer</li><li>o E-government services</li><li>o VPN access</li><li>o SSO &amp; Identity</li><li>o ...</li></ul></li><li>&gt; Best Practices for Deployment via Case Studies<ul style="list-style-type: none"><li>o Technical &amp; Business considerations</li></ul></li></ul>	<p>Live Demos</p>