

# Global Platform 2.1.1

## Objectives:

At the end of this course you will:

- ✦ Understand what the **Global Platform 2.1.1 functionalities** are.
- ✦ Understand how the **different actors (Mobile Operator, MVNO, Bank, and Transport Operator) can share the same card.**
- ✦ Have an overview of the **telecom card architecture**
- ✦ Understand how to **access this card and its applications 'Over The Air'**

## Key Topics:

- ✦ Multiapplication Card
- ✦ OTA "Over The Air"
- ✦ SCP
- ✦ Security Domain / ISD
- ✦ Delegated management
- ✦ DAP verification
- ✦ Mandated DAP verification

## Who should attend:

Bank, Telecom, transport staff:

- ✦ Project Managers
- ✦ Security Managers
- ✦ SIM managers
- ✦ System developers



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.

## Each training session consists of:

- ✦ A complete course manual

## Pre-requisites:

- ✦ This course requires participants to have technical knowledge on smart cards or on payment system applications
- ✦ This course is held in English

**Duration:** 1 Day

## Course fee:

Please refer to regional schedules on [www.gemalto.com/training](http://www.gemalto.com/training) or contact us: <http://www.gemalto.com/training/contact.html>

## Location:

Gemalto Training Centers. For on-site training, please contact us.

## Course Schedule:

Day 1
<p>Telecom Card</p> <ul style="list-style-type: none"><li>★ Architecture of a telecom card</li><li>★ File system and commands</li><li>★ Access conditions &amp; pin system</li><li>★ Toolkit commands</li></ul>
<p>Global Platform 2.1.1</p> <ul style="list-style-type: none"><li>★ Introduction and standards history</li><li>★ Actors and Business cases<ul style="list-style-type: none"><li>○ Delegated management</li><li>○ DAP verification</li><li>○ Mandated DAP verification</li></ul></li><li>★ Few words about GP systems</li><li>★ GP cards internals</li><li>★ ISD and SDs</li><li>★ Other applets and SD association</li><li>★ Key management</li><li>★ Secure Channel Protocols</li><li>★ Card content management</li><li>★ GP2.1.1 registry</li></ul>
<p>Telecom Card</p> <ul style="list-style-type: none"><li>★ SMS Header &amp; Security</li><li>★ Remote applet &amp; file management</li></ul>

## Related Courses:

**Global Platform  
2.1.1 for  
contactless cards  
(T1004I)**

**NFC Basics  
(T1005I)**