

# (U)SIM Standards Evolutions

Telecom “Rel-6”- Java Card - Global Platform



New SIM card **standards & specifications** naming and evolutions are often confusing and finding information, or anticipating new service opportunities becomes more & more difficult.

This training course will give you an overview on the new standards evolutions, soon to be released product features, and **future service opportunities**.



## At the end of the training you will

- > Be able to state the main evolutions of Telecom Card ETSI-3GPP “Rel-6” standards
- > Have an overview of the new smart card’s: Java Card 2.2.1 & Global Platform 2.1.1 functionalities
- > Understand the benefits that new products will bring to: deployment; administration; and evolution-proof issues
- > Have examples of future services based on new standards and Gemalto card features

## Who should attend

- > R&D Managers
- > Project Managers
- > IT Managers
- > Development Staff

### Pre-requisites:

- > Understanding This course requires participants to have a working knowledge of: “Release 5” ETSI/3GPP/ GP

This course is held in English

## Key topics

- > ETSI-3GPP Standards
- > Global Platform 2.1.1
- > Java Card 2.2.1 (RMI, Garbage Collector)
- > UICC/SIM/USIM
- > Logical Channels
- > CAT-TP
- > Advanced Services (Device Management, DRM, J2ME, Phonebook )



## Day 1

### Major Evolutions of Telecom Card Standards

#### Structure & Naming of New Card Standards

- > Java Card “2.2.1” Standards
- > Global Platform “2.1.1” Standards
- > ETSI/3GPP “Release 6” Standards

#### Implementation of Standards in Telecom Cards

- > File System & Administration
- > Toolkit features & API
- > OTA security and remote card administration
- > BIP and transport Protocol (CAT-TP)

#### New Java Card Features

- > Garbage Collector
- > Remote Method Invocation

#### New Global Platform Features

- > Extradition

#### UICC, SIM, USIM: NAA, File Systems & Admin

- > Create/Delete/Re-size APDU Commands
- > Large Files

#### New Toolkit Events & Proactive Commands

- > File Update/NAA Change...
- > Retrieve & Submit MM

#### Latest API Functions

#### New OTA Features

- > Transport Protocol (CAT-TP)
- > Security (MSL...)
- > Expanded Format