

# (U)SIM Standards Evolutions: Telecom “Rel-6”- Java Card - Global Platform

## Objectives:

At the end of this course 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

## Key Topics:

- ✦ ETSI-3GPP Standards
- ✦ Global Platform 2.1
- ✦ Java Card 2.2 (RMI, Garbage Collector)
- ✦ UICC/SIM/USIM
- ✦ Toolkit
- ✦ “OTA”
- ✦ Logical Channels
- ✦ CAT-TP
- ✦ Advanced Services (Device Management, DRM, J2ME, Phonebook )



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.

## Who should attend:

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

## Each training session consists of:

- ✦ A Complete course manual

## Pre-requisites:

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

<b>Morning</b>
Introduction
Major Evolutions of Telecom Card Standards + What are changes in standards versions: ETSI/3GPP/Global Platform/Java Card
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 + Java Card platform + Transport Protocol (CAT-TP)
Detailed Descriptions
New Java Card Features + Garbage Collector + Remote Method Invocation
New Global Platform Features + Extradition

<b>Afternoon</b>
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

**Related Courses:**

<b>USIM in 3G networks (T1002I)</b>	<b>USIM Standards Evolutions (T1015S)</b>	<b>JAVA 3G Card Administration (T1007A)</b>	<b>JAVA SIM Applet Development (T1007D)</b>
---	---	---	---