



# Java 3G Card Administration

Be ready to launch your 3G commercial card-based services

Be ready to launch your 3G commercial card-based services thanks to this 2 days training session including many practical sessions.

Learn how to use Java Card based USIM cards and Gemalto USIM Administration & Simulation Tools.

This training course will allow you to rapidly get to know the main features of these products and begin managing and testing your own applications in a 3G environment.

## At the end of the training you will

- > Understand USIM Java Card Architecture & Security
- > Understand Global Platform security features such as Security Domains
- > Be able to load and test card applications using the Gemalto software tools.
- > Understand how to manage 2G/3G files and applets Over The Air (OTA)

## Who should attend?

- > Project managers
- > SIM manager
- > Development staff

## Pre-requisites:

- > GSM standards ("SIM, STK, OTA Basics" training recommended)
- > 3G standards ("USIM in 3G networks" training recommended)

This course is held in English



## Fundamentals of Telecom Java Card

### Introduction

### Applet Definition

- > Package
- > Instance
- > Class

### Java Card in a nutshell

- > JavaCard Realtime Environment (JCRE)
- > Virtual machine
- > APIs
- > Interoperability

### Card Content Management

### GlobalPlatform

- > Card Manager
- > Security Domain
- > Secure Channel

### Text SMS

- > SMS 23.040 Concepts

### Data SMS

- > 23.048 Secured Packets
- > Transfer Mechanism

### Remote File Management

- > GSM files
- > 3G files
- > Command set

### Remote Applet Management

- > Principle
- > Command Set

### Download and installation of 3G Applet

- > GSM parameters
- > Access conditions
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