

Java 3G Card Administration

Objectives:

At the end of this course you will:

- ✦ **Understand USIM Java Card Architecture & Security,**
- ✦ **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)**



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

Key Topics:

- ✦ Native to Java Card Migration
- ✦ Global platform
- ✦ UICC/USIM/SIM APIs
- ✦ OTA concept
- ✦ 3GPP TS 23.040
- ✦ 3GPP TS 23.048
- ✦ Remote File Management
- ✦ Remote Applet Management
- ✦ Applet download

Who should attend:

- ✦ Project managers
- ✦ SIM manager
- ✦ Development staf

Each training session consists of:

- ✦ A complete course manual
- ✦ Practical exercises

Pre-requisites:

- ✦ This course requires participants to have a basic knowledge of the following technologies:
 - GSM standards ("SIM, STK, OTA Basics" training recommended)
 - 3G standards ("USIM in 3G networks" training recommended)
- ✦ This course is held in English

Duration: 2 Days

Course fee:

Please refer to regional schedules on 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	Practice
<p>Fundamentals of Telecom Java Card</p> <p>Introduction</p> <p>Applet definition</p> <ul style="list-style-type: none"> + Package-Instance-Class <p>Java Card in a nutshell</p> <ul style="list-style-type: none"> + JCRE - Virtual machine – APIs - interoperability 	<p>Explore the architecture of a Java USIM card</p>
<p>Card Content Management</p> <p>Global platform</p> <ul style="list-style-type: none"> + Card Manager - Security Domain - Secure Channel 	<p>Applet Management</p>

Day 2	Practice
<p>Card Content Management</p> <p>Text SMS</p> <ul style="list-style-type: none"> + SMS 23.040 Concepts <p>Data SMS</p> <ul style="list-style-type: none"> + 23.048 Secured Packets - Transfer Mechanism <p>Remote File Management</p> <ul style="list-style-type: none"> + GSM files - 3G files - Command set <p>Remote Applet Management</p> <ul style="list-style-type: none"> + Principle - Command Set <p>Download and installation of 3G Applet</p> <ul style="list-style-type: none"> + GSM parameters - Access conditions 	<p>23 048 management</p> <p>Manage minimum security level</p> <p>Select, Read, Update GSM & 3G files OTA</p> <p>Delete applets and retrieve memory amount</p> <p>Download a STK applet</p>

Related Courses:

SIM, STK & OTA Basics (T1001I)	USIM in 3G networks (T1002I)	JAVA 3G Card Administration (T1007A)	JAVA SIM Applet Development (T1007D)
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