

Using Card Admin & Simulation Tools for SIM Management

Objectives:

At the end of this course you will:

- ✦ Know how to use Card Admin software tool to manage & help validate (U)SIM Card profiles
- ✦ Be able to load and test (U)SIM Toolkit applets using Card Admin & Simulation tools.
- ✦ Be able to simulate the secure management of 2G/3G files and applets Over-The-Air (OTA)

Key Topics:

- ✦ (U)SIM File Systems & Commands
- ✦ File Security (Access Conditions)
- ✦ UICC/USIM/SIM
- ✦ Java Card Architecture
- ✦ Toolkit Applet Management & Testing
- ✦ OTA Secure Card Management Simulation
- ✦ 3GPP TS 23.048
- ✦ Remote File Management
- ✦ Remote Applet Management

Who should attend:

- ✦ Project managers
- ✦ (U)SIM manager
- ✦ Validation teams
- ✦ Development staff



Optimise the management of your (U)SIM cards to ease the commercial launch of 2G & 3G cards & their services.

This 2-day training session includes many practical sessions with Gemalto Telecom Card Admin & Simulation Tools

Each training session consists of:

- ✦ A complete course manual
- ✦ Many practical exercises

Pre-requisites:

This course requires participants to have a working knowledge of the following technologies:

- ✦ GSM standards: 11.11, 11.14, 03.48 ("SIM, STK, OTA Basics" training recommended)
- ✦ 3G standards ("USIM in 3G networks" training recommended)
- ✦ Java SIM Card Architecture & Security ("Java SIM Card Administration" 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>Role of the SIM Card in your mobile environment</p> <ul style="list-style-type: none"> ✦ Basic functions of the SIM ✦ Subscriber Identification & Authentication in the GSM network ✦ Basic Services provided by the SIM ✦ Value Added Services (VAS) in the SIM <p>(U)SIM Card File Systems, Access Conditions, File Content</p> <ul style="list-style-type: none"> ✦ Practical 1: Using tools for 2G File Management ✦ Practical 2: Using tools for 3G File Management & Advanced Phone Book ✦ Practical 3: Generate APDU scripts, File Content Reports & Card Typing for non-Gemalto cards <p>(U)SIM Java Card Architecture & Applets</p> <ul style="list-style-type: none"> ✦ Practical 4: Card Applet scanning 	<ul style="list-style-type: none"> - Explore & Manage the files and content of (U)SIM cards - Generate Content Reports - Card typing for non-Gemalto cards - Explore the architecture of a Java (U)SIM card
Day 2	Practice
<p>STK Applet Management & Installation Parameters</p> <ul style="list-style-type: none"> ✦ Practical 5: SIM Toolkit applet loading & Testing <p>OTA Security for remote card management</p> <ul style="list-style-type: none"> ✦ Practical 6: Test 23.048 parameters with OTA simulation tools <p>Remote Managers (RFMs & RAM)</p> <ul style="list-style-type: none"> ✦ Practical 7: Remote File & Applet management using OTA tools 	<ul style="list-style-type: none"> - Applet Management: Download an STK applet - 23 048 management - Manage minimum security level - Select, Read, Update GSM & 3G files OTA - Delete applets and retrieve memory amount