

Java SIM Card Administration

Objectives:

At the end of this course you will:

- ✦ Understand JavaCard, 23.048 and Global Platform specifications,
- ✦ Understand the STK applet development process,
- ✦ Manage the JavaCard based SIM Cards and the associated security

Key Topics:

- ✦ Applet
- ✦ Java Card Virtual Machine
- ✦ Over the Air security
- ✦ Remote File Management
- ✦ Remote Applet Management
- ✦ Secure Channel

Who should attend:

- ✦ Project managers
- ✦ SIM manager
- ✦ Development staff

Each training session consists of:

- ✦ A complete course manual
- ✦ Practical exercises



Creating new services has until now required long development cycles and proprietary implementation. Using Java Card based SIM cards and Gemalto SIM Administration & Simulation Tools, based on the latest GSM standards, you can now work in-house, and transform ideas into applications in a matter of days.

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

Pre-requisites:

- ✦ This course requires participants to have a basic knowledge of the following technologies:
 - ✦ - a basic knowledge of the GSM standards 11.11, 11.14 (SIM Toolkit), 03.48.
 - ✦ - It is strongly recommended that you follow the “SIM, STK & OTA Basics” course before attending this course
- ✦ 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>Trainees registration and training overview</p> <p>Introduction Gemalto offer</p> <ul style="list-style-type: none"> ✦ SIM card architecture ✦ Applet development ✦ Software development <p>Javacard based smart card</p> <ul style="list-style-type: none"> ✦ Introduction ✦ Architecture ✦ Applet management ✦ Security ✦ JavaCard Based SIM Card 	<p>Follow applet process development, from a java file to an applet in the card</p>

Day 2	Practice
<p>STK and Javacard based SIM card</p> <ul style="list-style-type: none"> ✦ STK reminder ✦ GSM application ✦ Event management, ✦ Proactive commands <p>Remote Management</p> <ul style="list-style-type: none"> ✦ General Card Architecture ✦ RAM, RFM, CM, Security Domain <p>Management commands (23.048 & GP)</p>	<p>Test a basic STK applet. Test applet with different STK Events</p> <p>Manage secure applet downloading: personalise the security of your OTA message /Java SIM Card.</p> <p>Simulate the OTA communication chain, from the Server to the card</p>

Related Courses:

SIM, STK & OTA Basic (T1001I)	Java SIM Card Administration (T1006A)	Java SIM Applet Dev (T1007D)
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