

SIM & Mobile Services

– a crash course

Objectives:

At the end of this course you will:

- ✦ Have an overview on VAS & related technologies
- ✦ Benefit from field experience on existing VAS solutions
- ✦ Understand issues for secure delivery
- ✦ Be able to evaluate future State-of-the-Art technologies & Services

Key Topics:

- ✦ USIM
- ✦ UICC
- ✦ SIM
- ✦ UICC & USIM
- ✦ 2G - 2.5G - 3G
- ✦ Java Card
- ✦ J2ME
- ✦ OTA
- ✦ Security & M-Commerce
- ✦ SIM Toolkit Applications

Who should attend:

- ✦ Marketing Staff
- ✦ Project Managers
- ✦ IT Managers



To provide an attractive Value-Added-Services (VAS) offer to your customers, you need to understand the important role of smart card technologies in their implementation, operation and security. Benefit from Gemalto's expertise in VAS design and long experience in the Wireless arena. This one-day seminar allows you to study recent wireless technologies to evaluate services already on the market, and understand forthcoming state-of-the-art technologies to imagine new kinds of services.

Each training session consists of:

- ✦ A complete course manual

Pre-requisites:

- ✦ None
- ✦ This course is held in English

Duration: 1 Day

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
<p>Role of the SIM Card in Wireless Networks</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>SIM Card Architecture, Operation & Applications</p> <ul style="list-style-type: none"> ✦ SIM card architecture ✦ Pre & post-issuance data overview ✦ Operation modes: GSM (Network connection); VAS with SIM Application Toolkit; Over-The-Air remote SIM access <p>Security in Wireless Networks</p> <ul style="list-style-type: none"> ✦ Security concepts: Identification, Authentication, Integrity, Confidentiality, Non-Repudiation ✦ Current Role of SIM card in Security: <ul style="list-style-type: none"> Card Holder Verification (PIN codes) Network Authentication & voice encryption OTA certification & encryption (Digital Signature) Mobile Commerce transaction proof ✦ Evolving Security Roles: PKI; WLAN <p>Technologies & Standards</p> <ul style="list-style-type: none"> ✦ Introduction to Main standards and governing organizations ✦ Main smart-card related technologies: SIM Toolkit, Java Card, SIM browsing, OTA ✦ Positioning of the technologies and related services ✦ Future proof services: Remote upgrade (Global Platform) ✦ Compatibility and interoperability: Development & deployment issues (SIM Toolkit, Java Card applets) <p>Today's Value Added Services: Examples and Benefits</p> <ul style="list-style-type: none"> ✦ Real-life examples of deployed services: Architecture and different actors ✦ Benefits for Network operators, subscribers, content providers <p>The Evolving Technologies & Services</p> <ul style="list-style-type: none"> ✦ Future developments in network and card-related standards & technologies: 3GDRMJ2ME & JCF ✦ Potential services and role of the smart card ✦ Multimedia & copyright issues ✦ Mobile vs Card-based applications

Related Courses:

<p>SIM & Mobile Services – A Crash Course (T1011S)</p>	<p>SIM, STK & OTA Basics (T1001I)</p>	<p>USIM in 3G Networks (T1002I)</p>
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