

SIM & Mobile Services– a crash course

Learn how the SIM can be much more than a secure network access element



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 recently deployed services and imagine new kinds of services, based on **emerging technologies**

At the end of the training 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

Who should attend

- > Marketing Staff
- > Project Managers
- > IT Managers

Pre-requisites:

- > None

This course is held in English

Key topics

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



Day 1

Role of the SIM Card in Wireless Networks

- > 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

SIM Card Architecture, Operation & Applications

- > SIM card architecture
- > Pre & post-issuance data overview
- > Operation modes: GSM; VAS; Over-The-Air remote SIM access

Security in Wireless Networks

- > Security concepts: Identification, Authentication, Integrity, Confidentiality, Non-Repudiation
- > Current Role of SIM card in Security:
- > PIN codes, Authentication & voice encryption ; OTA ; Mobile Commerce...
- > Evolving Security Roles: PKI; WLAN

Technologies & Standards

- > Introduction to Main technologies, standards and governing organizations
- > Main smart-card related technologies: SIM Toolkit, Java Card, SIM browsing, OTA, GP...

Today's Value Added Services: Examples and Benefits

- > Real-life examples of deployed services: Architecture and different actors
- > Benefits for Network operators, subscribers, content providers

The Evolving Technologies & Services

- > Introduction to future developments in network and card-related standards & technologies: High Capacity & High speed SIMs; Smart Card Web Server; NFC...

