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
Course Schedule

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…

For Location and course fee please refer to regional schedules on: www.gemalto.com/training
or contact us at http://www.gemalto.com/training/contact.html