

E-LEARNING: USIM in 3G Networks

Anytime, Anywhere: Learn what new service opportunities the USIM can bring

3G is becoming a more predominant mode of mobile communication, and the USIM (Universal Subscriber Identity Module) implemented on Gemalto **3G cards**, can be your passport to 3G networks.

This e-learning module allows you to study when & where you want, at your own pace...

...and gives you a **comprehensive overview on the USIM card features & functionalities** to **secure** 3G networks.



At the end of the training you will

- > Be able to state the main evolutions of Telecom Card ETSI-3GPP "Rel-6" standards
- > Understand the basic technologies, features and standards around 3G cards.
- > Understand the functionality of the USIM and difference with 2G cards.
- > Have an overview on the architecture & contents of the card, security of data in file systems, 3G authentication advanced phonebooks

Who should attend

- > SIM Managers
- > Project Managers
- > Developers
- > IT department staff

Pre-requisites:

- > GSM SIM cards
- > GSM 11.11 & 11.14 standards

This course is held in English

Key topics

- > USIM
- > UICC
- > USAT
- > CAT
- > OTA
- > Milenage Algorithm
- > GSM/3G Interworking
- > 3GPP & ETSI-SCP Standards

Presentations

ACTIVITY 1: Introduction to 3G

- > Introduction to 3G Technology & cards
- > Standards

ACTIVITY 2: UICC: 3G Card Platform

- > Physical characteristics & File system
- > Logical channels
- > Commands

ACTIVITY 3: UICC: Access Conditions

- > Access Conditions Introduction
- > Access mode and security conditions
- > UICC PIN system

ACTIVITY 4: USIM: 3G Authentication

- > Authentication and Key Agreement
- > Authentication token & Synchronization
- > Milenage Algorithm

ACTIVITY 5: USIM: Phonebook

- > Phonebook principle
- > Designing a Phonebook

