

USIM in 3G Networks

You passport to 3G



The **3G network** features a wider range of services and advances network capacity over the previous 2G network.

The **USIM** (Universal Subscriber Identity Module) implemented on the Gemalto 3G cards can therefore be your passport to 3G

For a complete understanding of the USIM card, this training can be completed by the 2 days 'Java 3G Card Administration' training.



At the end of the training you will

- > Understand the basic technologies, features and standards for 3G systems.
- > Understand the functionality of the USIM and difference with 2G cards.
- > Manage the content of the card, and discover the new file structure & security
- > Simulate a 3G card network authentication and design advanced phonebooks

Who should attend

- > SIM managers
- > Project Managers
- > IT Managers
- > System Implementers
- > Development Staff

Pre-requisites:

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

This course is held in English

Key topics

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| <ul style="list-style-type: none"> > USIM > UICC > USAT > CAT | <ul style="list-style-type: none"> > OTA > Mutual Authentication, Milenage Algorithm > GSM/3G interworking > 3GPP & ETSI-SCP |
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Course Schedule



Day 1	Practice
<p>Trainees registration and training overview</p> <p>Introduction to 3G</p> <ul style="list-style-type: none"> > Evolution of mobile communication systems > Key points of 3G cellular System <p>3G Standards</p> <ul style="list-style-type: none"> > 3G Standards Organisations > 3G Standards Documents > Architecture of the USIM card <p>The UICC (Universal integrated Circuit Card)</p> <ul style="list-style-type: none"> > UICC the 3G Card platform > Physical, Elec. & trans. protocols Char. > File System > Commands > New Access conditions (ARR files) 	<p>ADMIN & SIMu 3G Software</p> <p>GSM/3G file browsing</p> <p>Access conditions assignment</p> <p>File Creation</p>

Day 2	Practice
<p>The USIM</p> <ul style="list-style-type: none"> > USIM the 3G Application > Security Features > Authentication & Key Agreement (AKA) > The 3G phonebook > USAT (basics) > OTA (basics) > 3G/GSM interworking <p>Introduction to migration path to 3G</p>	<p>3G milenage / AKA Simulation</p> <p>3G phonebook design with e-mail, groups, etc.</p>

