

E-LEARNING: SIM, STK & OTA Basics

Anytime, Anywhere: Everything you need to know about SIM Services & Technologies

SIM cards allow **secure network access** of subscribers to mobile operator's networks, but also **Value Added Service deployment**, on a **remotely-updateable** future proof platform

This **e-learning module** allows you to study when & where you want, at your own pace...
...and easily understand the **role of SIM cards** in GSM network, value added services with "**SIM Toolkit**" & remote management of SIM content "**Over-The-Air**".



At the end of the training you will

- > Have an overview of the main GSM SIM card standards
- > Understand SIM card functionality and potential value added services
- > Be able to understand the "Over-The-Air" (OTA) remote SIM card management process.

Who should attend

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

Pre-requisites:

- > An understanding of the GSM network, as well as an electronic or computer background would be useful

This course is held in English

Key topics

- > SIM
- > 3GPP 51.011 (GSM 11.11)
- > 3GPP 51.014 (GSM 11.14)
- > 3GPP 23.048 (GSM 03.48)
- > SIM Application Toolkit
- > SMS & "OTA"
- > Authentication

Course Schedule

Presentations	Demos
<p>ACTIVITY 1: SIM Card Basics</p> <ul style="list-style-type: none"> > Role of SIM card & Standards > SIM architecture & Manufacturing process > SIM Files and Access Conditions > PIN codes > Network Authentication with secret key > Special Features & SIM command summary > Demo <p>ACTIVITY 2: SIM Toolkit & Value Added Services</p> <ul style="list-style-type: none"> > Introduction to SIM Application Toolkit > SIM Toolkit “STK” concepts > SIM Application Toolkit standards > Proactive Commands > Event Commands > STK Protocol > Demo <p>ACTIVITY 3: Remote management of SIM “Over-the-Air”</p> <ul style="list-style-type: none"> > How & Why SIM accessed remotely > SMS Network access to SIM > Security for OTA SIM access > SIM execution of OTA commands > Notification & Network Response (Proof of Receipt...) 	<p>Managing SIM card content Network authentication simulation</p> <p>Running a SIM Toolkit Value added service application</p> <p>OTA simulation tools with/without encryption</p>

