



Who Should Attend?

The course is aimed at technical staff, programmers, and anyone else who needs to know the principles of designing and implementing universal UMTS services.

Course Scope

1. Introduction to UMTS Services.
 - UMTS Introduction.
 - UMTS Architecture.
 - Service Classification.
2. UMTS Basic Services.
 - Bearer Services.
 - Teleservices.
 - Supplementary Services.
3. Service Capabilities.
 - Virtual Home Environment (VHE).
 - Open Services Access (OSA).
 - OSA Service Capabilities Features.
4. Technical realisation of VHE.
 - CAMEL.
 - MExE.
 - (U)SAT.
5. MMS.
6. IP Multimedia Subsystem.
 - Architecture.
 - IMS Services.
7. UMTS Location Service.
 - Location Service.
 - Technical Implementation of Location Services.
8. Quality of Services (QoS).
 - Services Transport.
 - ATM Services.
 - IP Services.
9. Billing and Charging.
10. UMTS Terminals.
 - Architecture.
 - UICC, USIM.
 - Examples.

Course Objectives

Participants attending this course will be given an introduction to UMTS Services. It will help them understand UMTS service classification and the UMTS service implementation model required to design universal new generation services. It describes technologies involved in



service transmission and explains examples of advanced UMTS services.

Prerequisites

The participants should have basic knowledge of UMTS system and cell network architecture.

Training Structure

One-day training divided into logical sessions.

Methodology

Instructor-led training.