

HSUPA System Overview

Description:

This course presents technical concepts involved in HSUPA which complements the HSDPA. It is designed for engineers, technicians and other technical professionals requiring a technical foundation in UMTS systems and technology.

Objectives:

- To provide a comprehensive review of the layer 1 and layer 2 protocol functionality introduced in the UTRAN to support HSUPA
- To study in depth the functionality and coding of the new transport and physical channels
- To analyze how HSUPA impacts the UTRAN architecture as well as the key considerations involved in the planning of HSUPA networks
- To have a look in the future of HSUPA and WCDMA.

Course content:

- DCH Setup Mechanisms
- HSUPA Network Architecture
- HSUPA Impact to UTRAN Protocols
- HSUPA Physical Layer
- HSUPA Performance
- HSUPA data rates and capacities
- Uplink and Downlink Signalling
- Signaling Parameters.

Delivery type:

The training is scheduled for 2 days depending on audience background and options and is instructor led.

One day is divided in two modules of 3 hours each.