

# TK418: LTE to LTE-A Evolution

## Duration

3.0 Days

## Course Content

### 1. ATM Basics

- 1.1. Network Transfer Mode
- 1.2. ATM cell
- 1.3. The ATM cell header
- 1.4. ATM connections
- 1.5. ATM as a transport network
- 1.6. Statistical multiplexing

### 2. ATM Traffic and Resource Management

- 2.1. ATM traffic management function
- 2.2. Traffic Contracts
- 2.3. ATM Service Categories
- 2.4. Resource management in ATM network
- 2.5. Routing and Digit Analysis

### 3. ATM Protocols and Signaling

- 3.1. ATM protocol
- 3.1. Physical Layer
- 3.1. ATM Adaptation Layer
- 3.1. Switching in ATM network

3.1. Signaling in 3G mobile network

3.1. ATM as a transport network in 3G network

#### **4. IP over ATM**

4.1. The challenges of IP over ATM

4.2. Models of IP over ATM

4.3. IP QoS over ATM