

TK410: LTE Fundamentals

Duration

3.0 Days

Course Content

1. LTE-EPS Introduction

- 1.1. Mobile Technologies Comparison
- 1.2. Network Architecture steps towards LTE
- 1.3. LTE Requirements and Targets

2. Long Term Evolution architecture

- 2.1. LTE Network Elements and Functionalities
- 2.2. LTE Interfaces and Protocol Stacks
- 2.3. LTE Roaming Cases

3. LTE Mobility management

- 3.1. Session Establishment
- 3.2. LTE Mobility States
- 3.3. LTE Procedures

4. LTE Air interface Technology Basics

- 4.1. OFDM Technology Overview
- 4.2. SC-FDMA and OFDMA Technology
- 4.3. MIMO Technology
- 4.4. LTE frame, subcarriers and modulation