



## Who Should Attend?

This course is addressed to technical staff responsible for the radio network tuning and radio network optimisation of 4G/LTE access networks. It is designed for employees who need detailed knowledge of Accessibility procedures and their impact on LTE network performance.

## Course Scope

1. Network Structure.
2. Planning Process.
  - Requirements.
  - Dimensioning (Capacity, Coverage).
  - Planning.
  - Installation.
  - Integration.
  - Tuning (Accessibility, Retainability, Integrity, Mobility).
  - Optimisation (Counters and KPIs, Statistics).
3. Accessibility Case.
  - Attach Procedure.
    - System Information.
    - Random.
    - RRC.
    - Authentication.
    - Location Update.
    - Default Radio Bearer Setup.
4. Q&A and open discussion.

## Course Objectives

In this one-day case study, participants analyse one of the most important LTE KPIs – Accessibility. Its detailed explanation with involved radio procedures helps understand Tuning and Optimisation processes in LTE air interface.

## Prerequisites

Prior to attending this event, the participants should already have an understanding of LTE radio interface principles and its functionality with basic radio procedures.

## Training Structure

One-day training course, equivalent to a 6-hour lecture.



## **Methodology**

Instructor-led training, presentation, and group discussion, including analysis of signalling traces.