

Essentials of LTE

The key building block of high speed mobile broadband



Overview

This seminar takes the participant through the transition of a UMTS network to an LTE network. It highlights the main additions and modifications as the LTE network evolves. The participant will understand the key roles of the new network elements and how these elements are connected together via the transmission system. The basic concepts of what makes LTE system different to a 3G network are also discussed.

Who can benefit

This program is designed for decision makers, strategy, senior executives and technical sales personnel as well as other professionals who require an understanding of what LTE has to offer and the key considerations we should be factoring in with regards to launching

Pre requisite knowledge

An understanding of the cellular business model as well as an overview of the network architecture of cellular systems

Outline

Introduction

- What is 3GPP Long Term Evolution?
- What are the basic system capabilities of LTE?
- How is spectrum allocated & licenced?
- LTE deployment update
- What is meant by 4G?
- 3GSM Family of Technologies
- Network evolution to LTE-Advanced

Key technology related considerations

- More indoor coverage & small sites
- New radio considerations
- Interoperability with existing 3G/HSPA+, GSM & WiFi (HetNets)
- Transmission network considerations
- Migration strategy : 3G to 4G; IPv4 to IPv6
- Policy control and billing

Key business related considerations

- CAPEX/OPEX investment
- Regulatory issues with spectrum, licencing & services
- Vendor/partner management
- Deploying the network including time to market, site acquisition, site/network sharing and co-siting
- Post deployment considerations

Key service related considerations

- What applications will drive LTE?
- Device types & availability
- LTE pricing
- Improving user experience
- Which voice solution to use?
- Roaming partner considerations
- Working with third parties on services

DURATION 1 day

MAXIMUM CLASS SIZE 20