Course ID
LTEBIZ
Course Duration
2 days

Course Title
LTE: Technology, Business, and Competitive Landscape

Related Courses

- LTE/SAE Technology (LTE-TECH, 3 days)
- LTE Air Interface Techniques (LTEAI, 4 days)
- LTE Signaling (LTESIG, 3 days)
- LTE Functionality (LTE-FU, 4 days)
- LTE Network Planning (LTE-NPC, 5 days)

Aimed At

This course is aimed at professionals and managers involved with technology evaluation and selection, business planning or strategy, product or services design, marketing or sales, procurement, investment analysis, and others who can benefit from an in-depth but nontechnical overview of the evolving LTE technology.

Group Size

5-25

Prerequisites

While there are no specific prerequisites for this course, some exposure to telecommunications or IT, and a very basic understanding of GSM and WCDMA, will be helpful.

Course in a Nutshell

This "business men's introduction" to LTE/SAE will help you understand how LTE evolved from GSM, GPRS/EDGE, UMTS, and HSPA; how it compares with competitive technologies such as WiMAX; the architecture of an LTE network and its implications for the transmission network; and the value-added applications and services that LTE can support. All of this will be discussed in a manner understandable to an audience of non-engineers.

Customize It!

- If you are new to wireless and to GSM/WCDMA, we can enhance this course with a 1-2 day wireless/GSM/UMTS introduction that will help you get more out of this course on LTE/SAE.
- Is your job focused more on marketing/sales, applications/services strategy, or the economics of network evolution? Tell us where your principal interests lie, so we can emphasize the issues that are most relevant to your needs.

Course Outline

- LTE/SAE Introduction
  - Brief history of cellular
  - "Packetization" of cellular networks
  - In the beginning: A brief overview of GSM
  - 2.5G evolution: GPRS and EDGE
  - UMTS evolution: Enhancements in the context of market needs
  - 3GPP releases (Release 99 up to Release 8)

  - Evolution of 4G and the business factors driving this evolution
  - Major players in the LTE market
  - Competitive technologies

- Network Overview
  - EPS (E-UTRAN and EPC) logical architecture
  - EPS interfaces
  - EPC (Evolved Packet Core) architecture
  - SAE/LTE Interfaces
  - OFDMA principles
  - MIMO explained
  - Radio interface overview
- LTE Services and Applications
  - Voice over LTE
  - Video applications over LTE
  - Packet applications over LTE
  - MBMS over LTE
- LTE Deployment
  - LTE requirements
  - Mobile Packet Backbone Network (MPBN)
  - LTE implementation over WCDMA/GSM
  - LTE vs WiMAX: Why LTE?
- Course Wrap Up: Future of Wireless, Class Discussion

Website: www.eogogics.com **or** www.gogics.com
E-mail: info@eogogics.com
Tel. +1 (703) 281-3525
USA (888) 364-6442