LTE & EPC Concepts for Future - Overview for Everyone

The introduction of LTE poses also for people who are not working in technical departments the question what is behind this new technology and what are the differences to GSM and UMTS.

This training addresses all interested persons without technical background who want to get an overview of LTE principles. Besides the basics of LTE the differences to UMTS and GSM will be highlighted and the impact on applications will be shown.

Target Group / Requirements

Employees without specific technical background who require basic knowledge of LTE. Basic knowledge of mobile networks is recommended.

Course Content

What is LTE?
- Objectives of LTE
- History of Mobile Networks
- LTE Key parameters and key concepts

Network Architecture
- Evolved Packet System Architecture: An all IP network
- E-UTRAN: The new eNB
- Evolved Packet Core EPC (MME, S-GW, PDN-GW)
- Architecture models

How does LTE work?
- New air interface of LTE
- Resources in LTE: Time and Frequency Domain
- How is the Resource Grid used?
- Supported Modulation Schemes in LTE
- Spectrum Allocation
- What is MIMO?
- Quality of Service in LTE

Interworking LTE and GSM/UMTS
- Mobility LTE to/from GSM/UMTS
- Network Enhancements

What happens to voice services in LTE?

Course Duration:
1 day

Course Number:
NW1250

Requirements:
Basic knowledge of mobile networks

Certification

- Certificates are given to all participants at the end of the course about the successful completion.

Course Registration:

Please contact us via
- phone: +49 89 1894354-405
- email: training@tfk.de or
- via our website www.tfk.de/training

You will receive a confirmation of your registration. We can also advice you concerning the best combination of course contents.

For clients with special requirements the optimal training concept can be customized. Modules from our training portfolio can be combined to meet your company-specific needs.