



MGT-120 - The ABCs of Telecom - Old version - No longer available for registration

Description

A training course to provide participants with an integrated view of the telecommunications industry: from its technological and network evolution, to its major drivers and key stakeholders. This course will also look at the industry's structure and important current issues, as well as trends and the future of the industry. It will also demystify the key terminology and acronyms used in telecommunications.

Objectives

- Present an integrated view of the telecommunications industry
- Provide the fundamental concepts of telecommunications networks and technologies
- Decode the language of telecommunications
- Review key current issues and trends in telecommunications

Topics

Evolution of telecommunications technologies

“Voice is king” - Developing the Public Switched Telephone Network (PSTN)

- Associated technical concepts : transmission, switching, numbering, signalling, dedicated lines, CPE, Analog vs. Digital

“The rise of the data” - Developing the Public Switched Data Network (PSDN)

- Associated technical concepts : X.25/X.75, Frame relay (FR), Asynchronous Transfer Mode (ATM)

“Wireless gives wings for mobility” - Developing the Public Land Mobile Network (PLMN)

- Associated technical concepts : antennas and towers, 2G, 3G, 4G mobile and beyond, Wireless Personal Area Networks (WPAN), roaming

“The revolution” - TCP/IP and the Internet

- Associated technical concepts : OSI & TCP/IP models, addressing, special services supporting IP

“A new world – Convergence” - Developing the NGN

- VoIP
- Signalling
- Numbering/addressing
- Quality of Service (QoS)
- Security
- IP internetworking
- Broadband – “The new king on the block”
- Convergence – “All services on one network”
- Devices
- Triple and quadruple plays
- Mobile content services
- Television
- Other services

Industry structure

- Policy-making, regulation, operation
- Key participants
- Governments
- Regulators
- Operators
- New entrants
- Other service providers
- Equipment manufacturers
- Businesses and consumers

Telecommunication standards organizations

Industry outlook

- Introduction
- Current hot issues
- Major drivers
- Global market evolution and trends
- Challenges, impacts and opportunities in the telecommunications industry
- The future of telecommunications

Target Audience

- Telecommunications and other industry professionals looking to increase their personal and professional success by gaining a comprehensive view of the telecommunications industry

Methodology

Neotelis e-Learning training courses are taken entirely online via Neotelis' Learning Management System **K="en-us">Neoledge** and are composed of different training modules using various learning tools such as:



Access to Neotelis e-Learning training courses requires a computer, a headset (or speakers) and a stable Internet connection.

Location

Neotelis e-Learning training courses are accessible on our Learning Management System **K="en-us">Neoledge** anywhere at anytime.

About Neotelis

Neotelis provides training, consulting, conferences and publications to the telecommunications industry worldwide. Its team of senior experts has trained thousands of executives and managers working for operators, regulators, policy-makers and governments in over 120 countries around the world.

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