IP NETWORK TECHNOLOGY EVOLUTION

Training Path

Constructing Carrier-Class IP Network		
ODN02	Lecture	5d

Target Audience

IP network technical/non-technical manager

Prerequisites

- Having an overview of telecommunications

Objectives

On completion of this program, the participants will be able to:
- Describe IP technology overview
- Describe IP network and service
- Describe IP network development trends
- Describe the main services of IP bearer network
- Describe the typical structure of IP bearer network
- Describe the key technologies of IP bearer network
- Describe the typical application of IP bearer network
- Describe the network structure of IP bearer network
- Describe the challenge and opportunity of IP bearer network
- Describe the structure of broadband MAN
- Describe the key technologies of IP MAN
- Describe the solutions of IP bearer network
- Describe the development trend of MAN
- Describe the IP MAN technologies
- Describe the MBB's overall development trend
- Describe the demands and challenges of IP RAN (Radio Access Network)
- Describe the 3G and LTE mobile IP RAN backhaul solution
- Describe the MBB era of the operation and management

Training Content

ODN02 Constructing Carrier-Class IP Network

- Constructing Carrier-Class IP MAN
  - Structure of broadband MAN
  - Key technologies of IP MAN
  - Typical application of IP bearer network
- Constructing Carrier-Class IP Bearer Network
  - Network structure of IP bearer network
  - Challenge and opportunity of IP bearer network
  - Key technologies of IP bearer network
  - Solutions of IP bearer network
- ALL-IP Service Network Overview
  - Describe some common services basic process in IP Network
  - Describe different typical network's architecture in IP Network
  - Describe different product and application location in IP Network
  - Describe different technology deployed location in IP Network
  - Describe the development trends in IP Network
- Constructing Carrier-Class IP RAN
  - Network structure of IP RAN network
  - Challenge and opportunity of IP RAN network
  - Key technologies of IP RAN network
  - Solutions of IP RAN network