

TELECOMMUNICATIONS : IP Technology (Technicians)



TARGET AUDIENCE

Telecom technicians.



OBJECTIFS

- ✓ Differentiate between the components of a network
- ✓ configure the various active equipment and master the TCP / IP protocol.



PREREQUISITES

- ✓ Have a scientific baccalaureate and a minimum of 6 months professional experience;
- ✓ Knowledge of the Windows environment essential.



EDUCATIONAL MODALITIES

- Cisco IP Telephony Manual, and Catalyst 2960 Switch User Guide;
- Practical work organized on educational facilities unrelated to railway operations, on a computer equipped with two network cards, the XP operating system, equipped with IP Creator software and the necessary for the configuration of Switch (Enterasys).



DURATION: 4,5 Days

• **Level 2 assessment:** Skills assessment acquired at the end of training ➔ **Yes**



PROGRAM

- Know the generalities of IP networks and the active and passive equipment of IP networks;
- Know what a LAN is and identify the hardware;
- Know the generalities of VoIP and ToIP;
- Know what a VLAN is;
- Know the signaling protocols;
- Know the LAN / VLAN architecture and configure;
- TCP and UDP protocols;
- Identify the equipment;
- Infrastructure architecture;
- IP network security;
- Identify the risks related to staff safety;
- Supervision and operation of systems.

