

Training: Compendium CE
PDH/SDH


FORM OF TRAINING	MATERIALS	PRICE	DURATION
Traditional	Hardcopy	900 EUR	3 days
Traditional	Digital materials	900 EUR	3 days
Traditional	CTAB Tablet	1000 EUR	3 days

LOCATIONS

Krakow - 5 Tatarska Street, II floor, hours: 9:00 am - 4:00 pm

Warsaw - 17 Bielska Street, hours: 9:00 am - 4:00 pm

TRAINING GOALS:

This course offers an in-depth introduction to two major transmission solutions which dominate on the global telecommunication market. It presents earlier concepts such as PCM and PDH, and then follows with a short introduction of physical media (optic fibres), and continues with a thorough overview of SDH/SONET. The main aim of the course is present both generic as well as detailed aspects of using both solutions in transportation of various types of traffic such as voice and data.

Target Audience - Who Should Attend and Benefit

Those requiring introduction to circuit switched transmission solutions used in contemporary telecommunication systems. Specifically, the course is addressed to Transmission Network Engineers, Designers and Planners, Core Network Engineers and Designers, Consultants, and anyone interested in understanding PDH and SDH principles.

CONSPECT:

- Introduction
 - Speech Encoding - Overview
 - PCM Encoding
 - Multiplexing Concepts
- PDH Hierarchy
 - E-signals
 - T-signals
 - Frame formats
 - Alarms

- Selected Aspects of PDH
 - Quality in PDH Networks
 - Measurements in PDH Networks
 - Equipment
- SDH Principles
 - Background for SDH/SONET
 - Multiplexing Hierarchy by ITU-T
 - Streams and Containers
 - Scrambling
 - SDH vs SONET
- Selected Aspects of SDH/SONET
 - Synchronisation
 - Alarms
 - Quality
 - Equipment
 - Network Topologies
 - Protection Mechanisms (including APS)
- Optic Fibres
 - Introduction
 - Equipment
 - DWDM

REQUIREMENTS:

- Participants are expected to have general understanding of generic telecommunication terms.
- Telecommunication or IT related background will be an advantage.

Difficulty level



CERTIFICATE:

The participants will obtain certificates signed by Compendium CE.

TRAINER:

Authorized Compendium CE Trainer.