Szkolenie: Huawei
HCNA-Transmission Technologies and Device

FORMA SZKOLENIA	MATERIAŁY SZKOLENIOWE	CENA	CZAS TRWANIA
Stacjonarne	Tradycyjne	2800 USD NETTO*	7 dni
Stacjonarne	Tablet CTAB	2930 USD NETTO*	7 dni

* (+VAT zgodnie z obowiązującą stawką w dniu wystawienia faktury)

LOKALIZACJE

Kraków - ul. Tatarska 5, II piętro, godz. 9:00 - 16:00
Warszawa - ul. Bielska 17, godz. 9:00 - 16:00

Cel szkolenia:

Such training aims to provide guidance to participants in learning contents related to the HCNA-Transmission exam (H31-311-ENU) and knowledge such basic knowledge of transport networks and the basic operation and maintenance of Huawei transport devices and network management software.

The training covers Principles of Synchronous Digital Hierarchy (SDH), Wavelength-Division Multiplexing (WDM), and Ethernet Multiplex Section Protection (MSP) and Subnetwork Connection Protection (SNCP) self-healing protection.

After the completion of this program, participants will be able to:

- Describe SDH working principle.
- Describe WDM working principle.
- Describe OTN working principle.
- Describe Ethernet working principle.
- Describe the basic concept of MPLS.
- Describe the basic concept of PWE3.
- Describe the common SDH network topologies and their features.
- Explain the protection mechanism of MSP/SNCP.
- Explain the system structure and features of the OptiX OSN 3500 equipment.
- State the main functions of the boards in the OptiX OSN 3500 equipment.
- Accomplish the SDH network configuration and monitoring through NMS.
- Accomplish the PDH service configuration through NMS.
- Accomplish the Ethernet service (EPL/EVPL/EPLAN) configuration through NMS.

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ul. Tatarska 5, 30-103 Kraków, tel.: (12) 298 47 77
ul. Bielska 17, 02-394 Warszawa, tel.: (22) 417 41 70

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- List the common analysis methods of fault locating.

Target Audience:

- Personnel who are going to take the Huawei Certified Network Associate - Transmission exam.
- Personnel who expect to learn about basic optical transmission principles and Huawei SDH equipment operation.

Plan szkolenia:

- Basic Knowledge of Fiber
- Passive Optical Components for Fiber Communication
- SDH Overview
- SDH Frame Structure and Multiplexing
- SDH Overhead and Pointers
- Logical Function Modules
- Networking and Protection
- Overview of WDM
- Key WDM Technologies
- ITU-T Compliance
- Overview of OTN
- OTN Interface Structure
- Mapping and Multiplexing of OTN
- OTN Overhead
- OTN Trail Layers and Maintenance Signals
- Common OTN Alarms
- Overview of LAN
- Ethernet Principles
- About Ethernet QoS
- Overview of EoS
- Overview of VLAN
- Telecommunications Network Overview
- IP Addressing
- QinQ Technologies
- MPLS Technologies
- PWE3 Technologies
- System Overview

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- Cabinets and Subracks
- Boards
- Hardware Configurations
- Functions and Features
- Linear MSP
- Two-Fiber MSP Rings
- Four-Fiber MSP Rings
- SNCP
- System Structure and Major Features of U2000
- Directory Structure of U2000
- Major Functions of U2000
- Linear MSP Configurations
- Two-Fiber MSP Rings Configurations
- Four-Fiber MSP Rings
- SNCP Configurations
- Per-NE Service Configurations
- Path-Specific Service Configurations
- Ethernet Terms
- Ethernet Service Types: EPL,EVPL, EPLAN, EVPLAN
- Ethernet Service Configurations
- Ethernet Service Types: EPL,EVPL,EPLAN,EVPLAN Practice Guide

Wymagania:

Having a general knowledge of telecommunications.

Poziom trudności

Certyfikaty:

The participants will obtain certificates signed by Huawei.

This course prepares you for the HCNA Huawei Certified Network Associate certification for Transmission Network specialization H31-311-ENU exam. HCNA certification exams are offered worldwide through the Prometric test centers. More information about Huawei certification program and available specializations you can find on the:
http://support.huawei.com/learning/NavigationAction!createNavi?navId=CERTIFICATE&lang=en

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Prowadzący:

Huawei Certified Trainer.

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