HCIP-Transmission V2.5 Exam Outline

Huawei Certification HCIP-Transmission V2.5 Certification Exam

Exam Code	H31-341
Exam Name	HCIP-Transmission
Exam language	ENU/CHS
Question Type	Single-answer Question, Multiple-answer Question, True or false, Short Response Item, Drag and drop item
Exam fees	300USD
Exam Duration	90min
Passing score/Total score	600/1000

Exam Content

The HCIP-Transmission V2.5 exam covers advanced knowledge of tranmission network field, including WDM Principles, Transmission Network Products, NG WDM Equipment Networking and Applications, Optical- and Electrical-Layer Grooming Solutions of NG WDM Equipment, NG WDM Equipment Commissioning, MS-OTN Features, OTN Protocol, MS-OTN Protection Principles, NG WDM Equipment Routine Maintenance, NG WDM Alarm Signal Flow Analysis, NG WDM System Troubleshooting.

Knowledge Point Percentage

Key Points	Percentage
WDM Principles	10%
Transmission Network Products	5%
NG WDM Equipment Networking and Applications	5%
Optical- and Electrical-Layer Grooming Solutions of NG WDM Equipment	10%
NG WDM Equipment Commissioning	15%
MS-OTN Features	10%
OTN Protocol	10%
MS-OTN Protection Principles	10%
NG WDM Equipment Routine Maintenance	5%
NG WDM Alarm Signal Flow Analysis	10%
NG WDM System Troubleshooting	10%

Knowledge points

WDM Principles

- System Overview
- WDM Transmission Media
- Key Technologies of WDM

Transmission Network Products

- Product Overview
- Cabinets and Subracks
- Boards

NG WDM Equipment Networking and Applications

- Network Layers and System Architecture
- Site Types
- Basic Networking Elements

Optical- and Electrical-Layer Grooming Solutions of NG WDM Equipment

- Optical-Layer Grooming Solutions of NG WDM Equipment
- Electrical-Layer Grooming Solutions of NG WDM Equipment

NG WDM Equipment Commissioning

- NG WDM Equipment Commissioning Basics
- NG WDM Equipment Commissioning Process and Procedure

MS-OTN Features

- IP Basics
- MPLS & PWE3
- Packet Services
- Maintenance Features

OTN Protocol

- OTN Overview
- OTN Interface Structures and Multiplexing/Mapping Principles
- OTN Frame Structure
- Frame Structure and Meaning of OTN Electrical-Layer Overheads
- Evolution to Liquid OTN

MS-OTN Protection Principles

- Device-Level Protection
- Network-Level Protection (OTN)
- Network-Level Protection (Packet)

NG WDM Equipment Routine Maintenance

- Device Routine Maintenance
- NMS Routine Maintenance

NG WDM Alarm Signal Flow Analysis

- Overview
- Electrical-layer Alarm Analysis
- Optical-layer Alarm Analysis

NG WDM System Troubleshooting

- Device Routine Maintenance Troubleshooting Preparations
- Fault Locating Ideas and Methods
- Troubleshooting by Fault Type
- Case Analysis

NOTE

The exam content mentioned in this document provides a general exam guide for candidates. Other content not mentioned in this document may also be used in the exam.

Reference

Huawei Certified HCIP-Transmission V2.5 Course

Recommended Training

Huawei Certified HCIP-Transmission V2.5 Training