HCIP-Transmission

Training Content

NG WDM System Introduction

- Product Overview
- Product Functions and Features
- Hardware Architecture

NG WDM Equipment Networking and Application

- Network Layers and System Architecture
- Site Type
- Site Application Scenarios
- Key Factors in NG WDM Networking

NG WDM Optical and Electrical Layer Grooming

- NG WDM Optical-Layer Grooming
- OADM Types and Features
- ROADM Site Model and Grooming Scheme
- NG WDM Electrical-Layer Grooming

NG WDM Common Data Configuration

- Preparations for the Configuration
- Creating and Configuring NEs and Networks
- Backing Up the NE Database

NG WDM Optical Layer Service Configuration

- Basic Concepts
- Configuration Example
- Create an OCh Trail by Station
- Create an OCh Trail by Board
- Create an OCh Trail by Trail

NG WDM Electrical Layer Service Configuration

- Basic Concepts of the Electrical Layer Grooming
- Configuring Example and Application Scenario
- Configuring WDM Services by Station
- Configuring WDM Services by Trail
- Configuring WDM Services by Service Packages

NG WDM System Commissioning

- Preparations for Commissioning
- Optical Power Commissioning of Non-coherent System
- Optical Power Commissioning of Coherent System
- Optical Power Commissioning of Mixed Transmission System
- System Test

NG WDM Protection Topic

- Equipment Level Protection
- Optical Layer Protection
- Electrical Layer Protection

NG WDM System Common Indicator Test

- Overview of Testing
- Main Channel Feature Test
- OSC Channel Feature Test
- System Test

NG WDM Equipment Routine Maintenance

- Maintenance Operation on Equipment Side
- Maintenance Operation on NMS Side

NG WDM Alarm Signal Flow

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

NG WDM System Troubleshooting

- Troubleshooting Preparation
- Basic Rules and Methods of Fault Locating
- Fault Classification and Handling
- Case Analysis

Optical Doctor (OD) System Special Topic

- Introduction to the OD System
- Principles of the OD System
- Configuration and Usage of the OD System

Fiber Doctor (FD) System Special Topic

- Introduction to the Fiber Doctor System
- Principles of Line Fiber Quality Monitoring
- Configuration and Usages of the Fiber Quality Detection Function

NG WDM Packet Technology Introduction

- IP Overview
- MPLS Technology
- PWE3 Technology
- MPLS-TP Technology

MS-OTN Networking and Service Introduction

- Network Application
- Service Introduction
- Network Protection

OptiX OSN 1800V Packet Service Configuration

- ETH PWE3 Service Introduction
- Basic Parameters Configuration
- ETH PWE3 Service Configuration
- Protection Configuration

New Transmission Technologies

- Super 100G Technology
- New Technologies of Intelligent Network
- New Technologies of Network O&M

MSTP Technology Topic - Clock Protection

- Basic Concepts of Clock Protection
- Standard SSM Clock Protection Analysis
- Extended SSM Clock Protection Analysis

MSTP Technology Topic - ECC Maintenance and Pointer Adjustment

- HWECC Topic
- Pointer Justification Topic

MSTP Technology Topic - PCM Technology

- PCM Technology Introduction
- PCM Principles and Application
- PCM Boards

MSTP Board Replacement

- Board Replacement Overview
- Faulty Board Replacement
- Board Version Replacement
- Board Capacity Upgrade

Discrete Service Analysis and Handling

- Basic Concepts of Discrete Services
- Causes and Handling Methods of Discrete Services
- Procedure for Clearing Discrete Services
- How to Avoid Discrete Services

Ethernet Service Common Indicator Test

- Basic Concepts of Ethernet
- Introduction to the Ethernet Performance Test
- Common Test Indicators for Ethernet Services
- Methods for Testing Common Ethernet Service Indicators

MSTP Equipment Troubleshooting

- Preparing for Fault Locating
- Fault Locating Methods
- Case Analysis

ASON Intelligent Optical Network

- ASON Introduction
- Basic Concepts of ASON
- ASON Feature
- 2M ASON