

## Training Content

### **SDH Principles**

- SDH Overview
- SDH Frame Structure and Multiplexing
- SDH Overhead and Pointers
- Logical Function Modules
- Networking and Protection

### **MSTP System Overview**

- System Overview
- Cabinets and Subracks
- Boards
- Hardware Configurations
- Functions and Features

### **MSTP Protection Schemes**

- Linear MSP
- Two-Fiber MSP Rings
- Four-Fiber MSP Rings
- SNCP

### **Ethernet Principles**

- Overview of LAN
- Ethernet Principles
- About Ethernet QoS
- Overview of EoS
- Overview of VLAN

### **Ethernet Services Overview**

- Ethernet Terms
- Ethernet Service Types: EPL, EVPL, EPLAN, EVPLAN
- Ethernet Service Configurations

### **U2000 Overview**

- System Structure and Major Features of U2000
- Major Functions of U2000
- Commissioning Procedures for Single Station

## **HCIA-Transmission Lab Practice Guide**

- Linear MSP Configurations
- Two-Fiber MSP Rings Configurations
- Four-Fiber MSP Rings
- SNCP Configurations
- Per-NE Service Configurations
- Path-Specific Service Configurations
- Ethernet Service Configurations

### **WDM Principles**

- Overview of WDM
- Key WDM Technologies
- ITU-T Compliance

### **OTN Principles**

- Overview of OTN
- OTN Interface Structure
- Mapping and Multiplexing of OTN
- OTN Overhead
- OTN Trail Layers and Maintenance Signals
- Common OTN Alarms