

# HCIP-Access V2.5

## Training Content

### 1. SIP Protocol and Application

(1) NGN and IMS Network Architecture. (2) SIP Overview. (3) VoIP Service Networking. (4) Configuration Example of the VoIP Service. (5) VoIP Service Maintenance

### 2. H.248 Protocol and Application

(1) H.248 Overview. (2) VoIP Service Networking. (3) Configuration Example of the VoIP Service. (4) VoIP Service Maintenance

### 3. PON Multicast Principles and Configuration

(1) Multicast Principles and Implementation. (2) Provisioning and Configuring the Multicast Service on the PON Network. (3) PON Multicast Service Maintenance

### 4. PON QoS Features

(1) QoS Technology Overview. (2) PON QoS Features and Configuration. (3) PON QoS E2E Implementation

### 5. PON System Security Features

(1) PON System Security Overview. (2) Principles and Configuration of PON System Protection Technologies (Basic). (3) Principles and Configuration of PON System Protection Technologies (Extended)

### 6. PON Networking Protection

(1) PON Port Protection Overview. (2) GPON type B protection. (3) GPON Type C Protection. (4) OLT upstream protection technology

### 7. Service Operation and Maintenance on eSight

(1) Overview. (2) Typical Networking. (3) Deployment. (4) Routine O&M

## 8. NCE-FAN Service Configuration and Maintenance

(1) NCE-FAN System Introduction . (2) NCE-FAN Service Configuration . (3) NCE-FAN Routine O&M

## 9. POL Network Planning and Design

(1) POL Design Process. (2) POL Network Planning. (3) POL Data Planning. (4) POL Network Performance Planning. (5) Typical POL Solution

## 10. POL ODN Planning and Design

(1) Basic Principles for POL ODN Planning. (2) Basics of Traditional POL ODN Planning and Typical Devices and Components. (3) Traditional POL ODN Planning Methodology and Typical Planning Suggestions. (4) Pre-connecting ODN Devices and Components. (5) Pre-connected ODN Planning Methodology and Typical Planning Suggestions

## 11. FTTx Network Planning and Design

(1) FTTx Network Overview and Design Process. (2) FTTx Networking and Traffic Planning. (3) FTTx Data Planning. (4) FTTx Network Performance Planning

## 12. Troubleshooting in Full-Fiber Access Scenarios

(1) Troubleshooting Process and Analysis Methods. (2) ONU Fault Locating and Case Analysis. (3) Networking Protection Fault Locating and Case Analysis. (4) Data Service Fault Locating and Case Analysis. (6) Voice Service Fault Locating and Case Analysis. (7) Multicast Service Fault Locating and Case Analysis. (8) ODN Fault Locating.