Customer Training Catalog
Training Programs
IP Network

HUAWEI

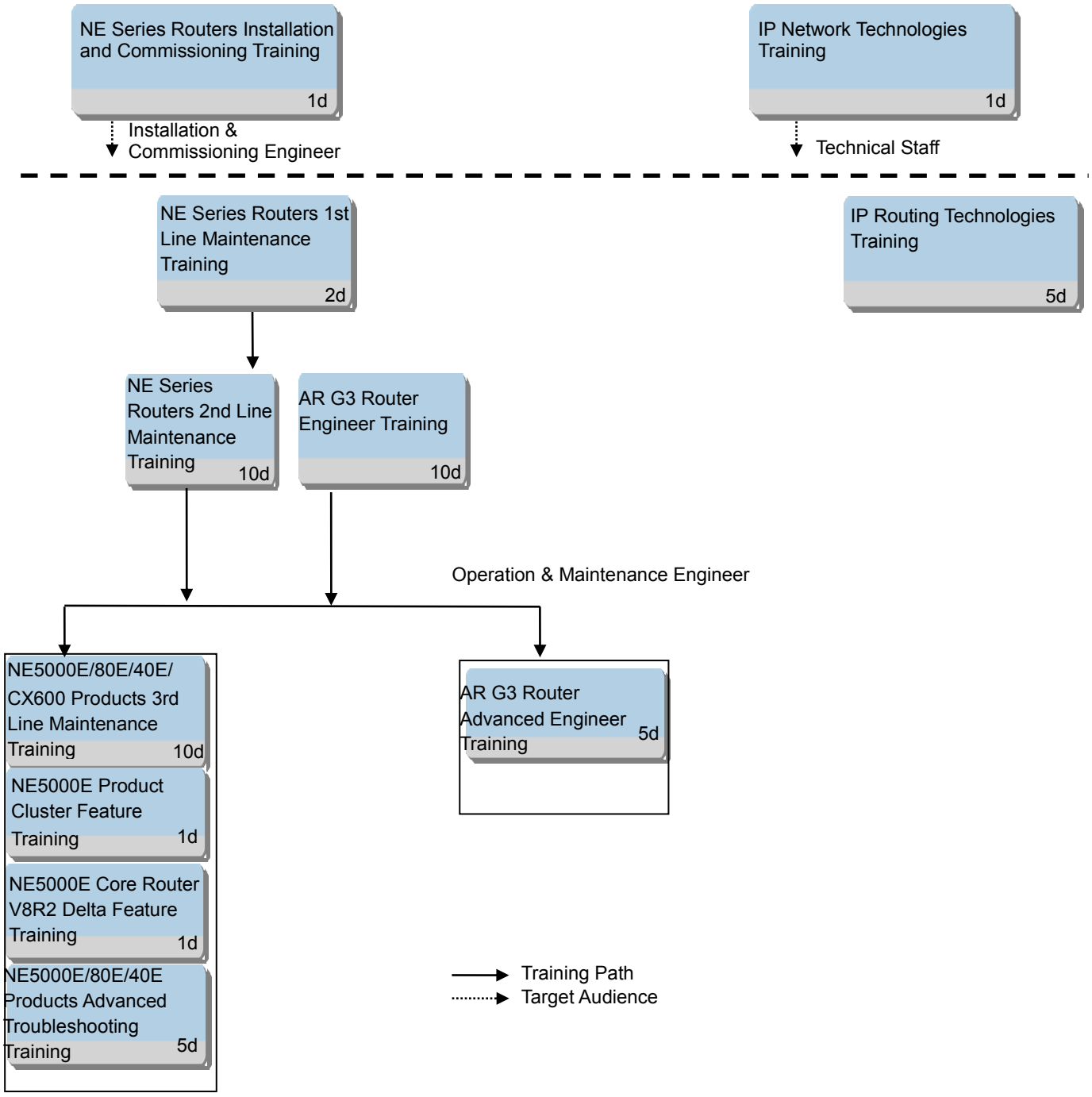
HUAWEI Learning Service

2012

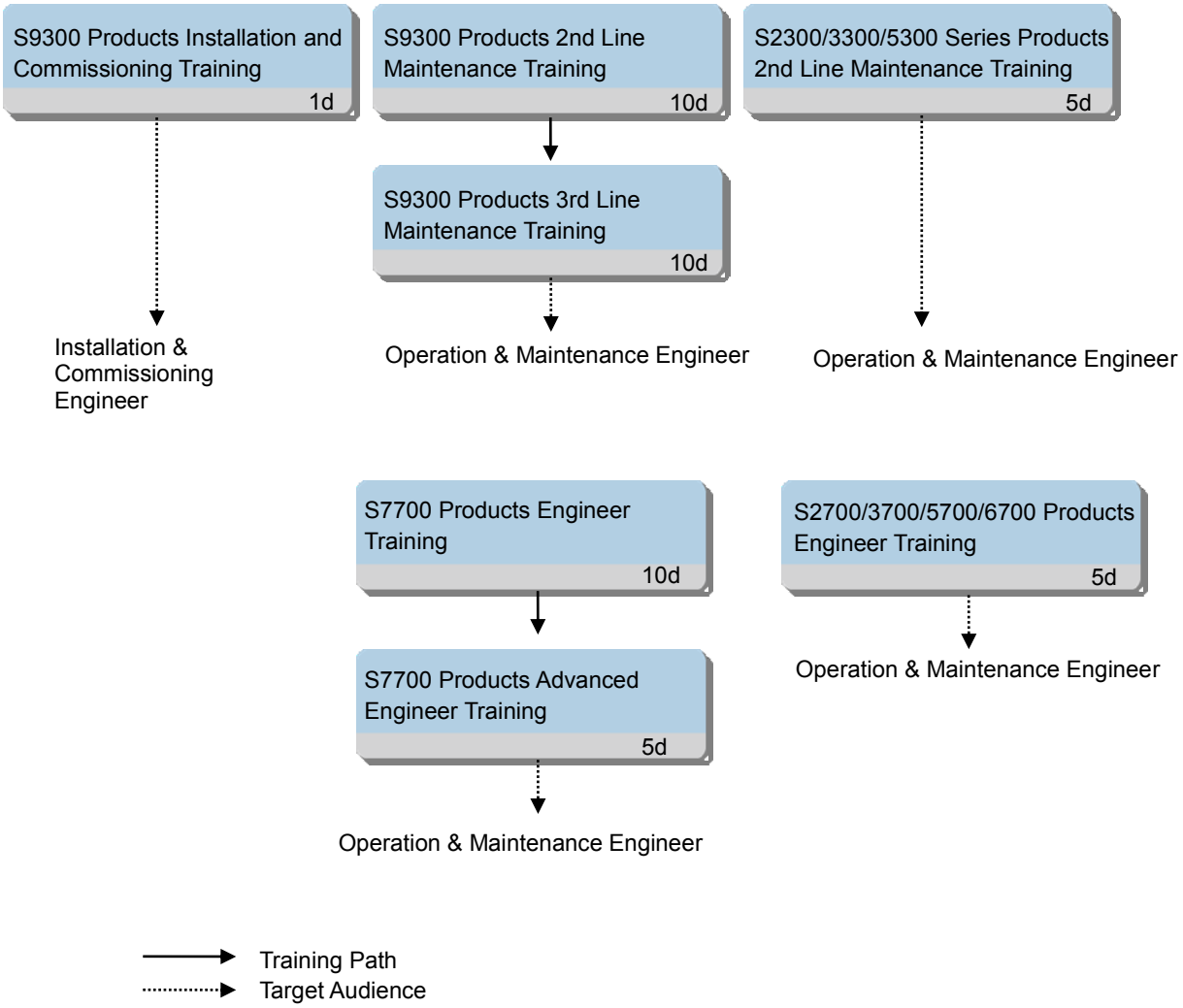
CONTENTS

1 Training Path

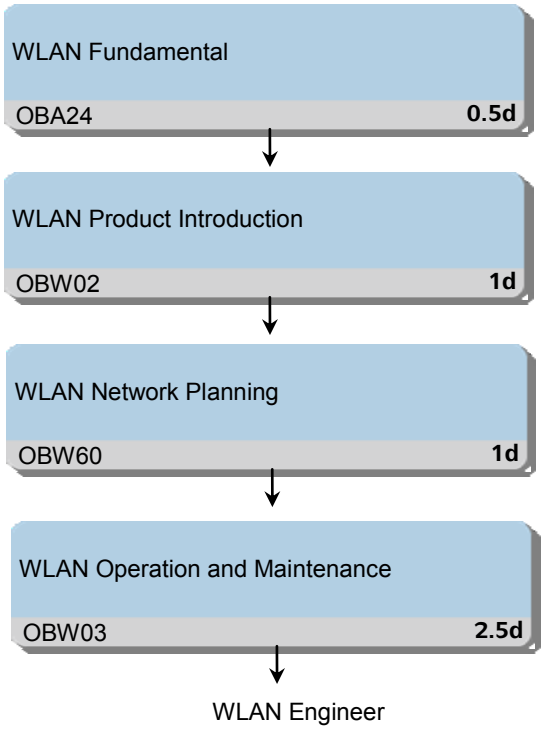
1.1 Router/IP Technology Training Path



1.2 LAN Switch Training Path



1.3 WLAN Training Path



2 Training Programs

IP Network Training Programs are designed as follows:

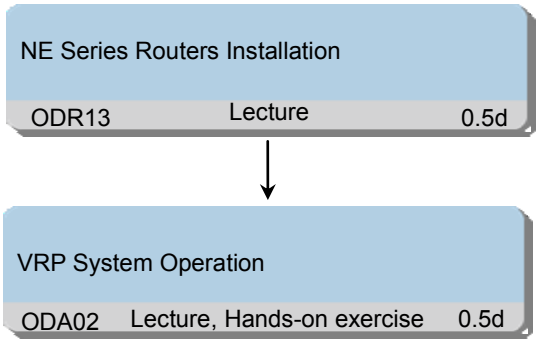
Training Programs	Level	Duration (working days)	Training Location	Class Size
Router Training Programs				
NE Series Routers Installation and Commissioning Training	I	1		6 ~ 12
NE Series Routers 1st Line Maintenance Training	I	2		6 ~ 12
NE Series Routers 2nd Line Maintenance Training	II	10		6 ~ 12
NE5000E/80E/40E Products 3rd Line Maintenance Training	III	10		6 ~ 12
NE5000E Product Cluster Feature Training	III	1		6 ~ 12
NE5000E Core Router V8R2 Delta Feature Training	III	1		6 ~ 12
NE80E/40E Products IPTV Service Features Training	III	2		6 ~ 12
NE5000E/80E/40E Products Advanced Troubleshooting Training	IV	5		6 ~ 12
AR G3 Router Engineer Training	II	10		6 –12
AR G3 Router Advanced Engineer Training	III	5		6 ~ 12
Security Training Programs				
Eudemon Firewall Products 2nd Line Maintenance Training	II	5		6 ~ 12
Eudemon8000E Firewall Products 2nd Line Maintenance Training	II	5		6 ~ 12
Eudemon1000E Firewall Products Delta Training	II	1		6 ~ 12
Eudemon8000E DDoS Solution Training	III	2		6 ~ 12
SIG1000E/9280E Products 2nd Line Maintenance Training	II	5		6 ~ 12
SIG9800 Products 2nd Line Maintenance Training	II	5		6 ~ 12
LAN Switch Training Programs				
S9300 Products Installation and Commissioning Training	I	1		6 ~ 12
S9300 Products 2nd Line Engineer Training	II	10		6 ~ 12

S9300 Products 3rd Line Engineer Training	III	10		6 ~ 12
S7700 Products Engineer Training	II	10		6 –12
S7700 Products Advanced Engineer Training	III	5		6 –12
S2300/3300/5300 Series Products 2nd Line Maintenance Training	II	5		6 ~ 12
S2700/3700/5700/6700 Products Engineer Training	II	5		6 –12
IP Technology Training Programs				
IP Network Technologies Fundamental Training	I	5		6 ~ 12
IP Routing Technologies Training	II	5		6 ~ 12
QoS Technologies Training	III	2		6 ~ 12
MPLS Technologies Fundamental Training	II	2		6 ~ 12
MPLS VPN Technologies Training	III	5		6 ~ 12
MPLS TE Technologies Training	III	3		6 ~ 12
IP Multicast Technologies Training	III	4		6 ~ 12
IPv6 Technologies Training	III	5		6 ~ 12
WLAN Training Programs				
WLAN Engineer Training	II	5		6 ~ 12

2.1 Router Training

2.1.1 NE Series Routers Installation and Commissioning Training

Training Path



Target Audience

NE series routers installation and commissioning engineer

Prerequisites

- A basic understanding of data communication
- A general understanding of telecom network

Objectives

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

- Describe NE series products installation process.
- Describe the VRP system structure.
- Understand the basic configuration and commands.
- Upgrade VRP system.
- Configure the VRP user logging authentication.
- Configure FTP service.
- Understand basic troubleshooting process of VRP system.

Duration

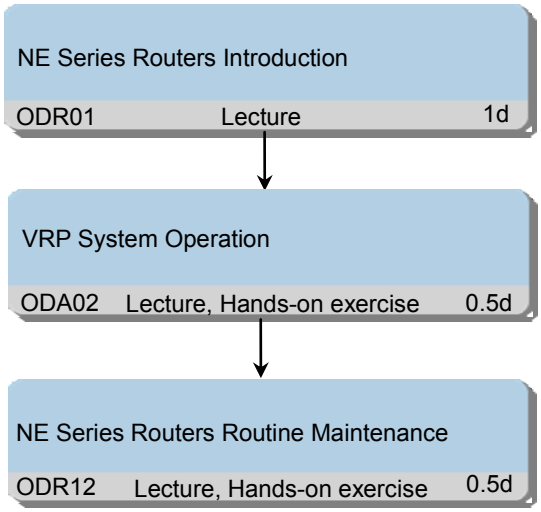
1 working day

Class Size

Min 6

2.1.2 NE Series Routers 1st Line Maintenance Training

Training Path



Target Audience

NE series routers 1st line maintenance engineer

Prerequisites

- A basic understanding of data communication
- A general understanding of telecom network

Objectives

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

- Describe NE5000E product hardware structure.
- Describe NE80E/40E Products hardware structure.
- Describe NE40E-X series products hardware structure.
- Describe the VRP system structure.
- Understand the basic configuration and commands.
- Upgrade VRP system.
- Configure the VRP user logging authentication.
- Configure FTP service.
- Understand basic troubleshooting process of VRP system.
- Describe NE series products routine maintenance process.

Duration

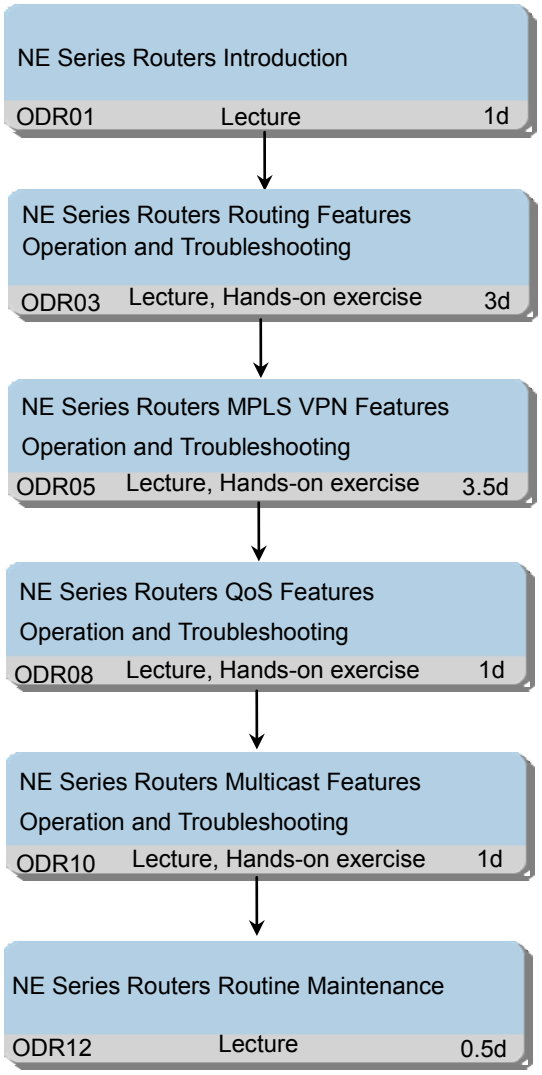
2 working days

Class Size

Min 6，

2.1.3 NE Series Routers 2nd Line Maintenance Training

Training Path



Target Audience

NE series routers 2nd line maintenance engineer

Prerequisites

- At least one year of experiences in the operation and maintenance of data communication equipment
- A general understanding of data communication

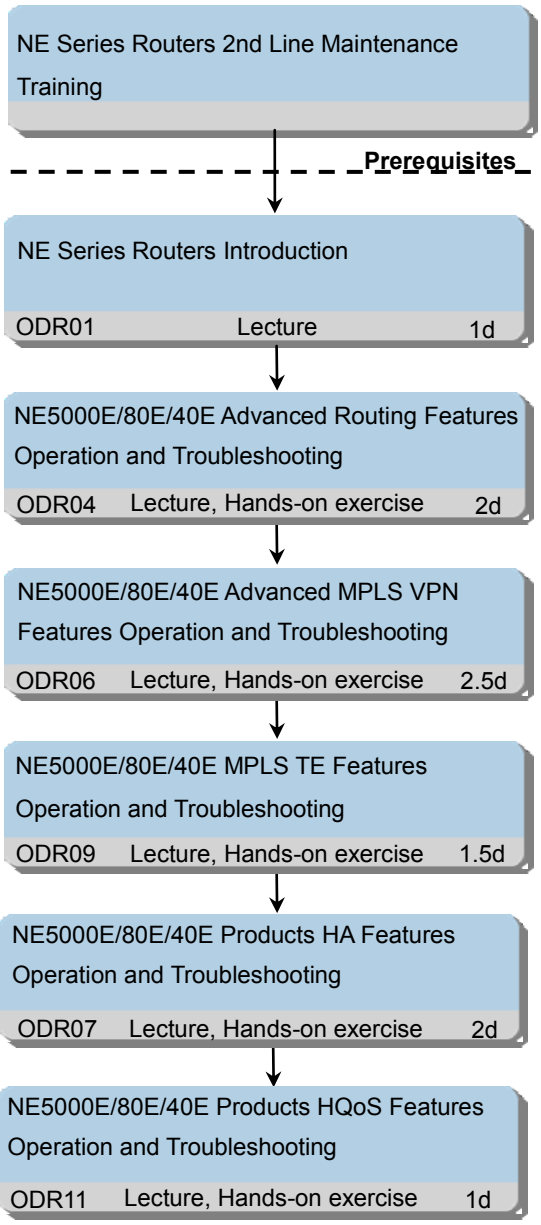
Objectives

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

- Describe NE5000E product hardware structure
- Describe NE80E/40E Products hardware structure.
- Describe NE40E-X series products hardware structure.
- Describe NE series routers OSPF protocol features.
- Describe NE series routers ISIS protocol features.
- Describe NE series routers BGP protocol features.
- Describe NE Series routers routing control and selection features.
- Troubleshoot NE Series routers routing protocols.
- Configure NE series routers OSPF protocol features.
- Configure NE series routers ISIS protocol features.
- Configure NE series routers BGP protocol features.
- Configure NE Series routers routing control and selection features.
- Describe NE series routers MPLS features.
- Describe NE series routers BGP MPLS VPN features.
- Describe NE Series routers MPLS L2 VPN features.
- Describe NE Series routers VPLS features.
- Configure NE series routers MPLS features.
- Configure NE series routers BGP MPLS VPN features.
- Configure NE Series routers MPLS L2 VPN features.
- Configure NE Series routers VPLS features.
- Troubleshoot NE series routers MPLS VPN.
- Describe NE series routers QoS features.
- Configure NE series routers QoS features.
- Describe NE series products routine maintenance process.

2.1.4 NE5000E/80E/40E Products 3rd Line Maintenance Training

Training Path



Target Audience

NE5000E/80E/40E products 3rd line maintenance engineer or expert from technical supporting team

Prerequisites

- A good understanding of datacom network protocols
- Attended “NE Series Routers 2nd Line Maintenance Training” or has the equivalent HCDP knowledge or experiences

Objectives

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

- Describe NE5000E product hardware structure.
- Describe NE80E/40E Products hardware structure.
- Describe NE40E-X series products hardware structure.
- Describe NE5000E/80E/40E advanced routing features.
- Configure NE5000E/80E/40E advanced routing features.
- Troubleshoot NE5000E/80E/40E advanced routing features.
- Describe NE5000E/80E/40E advanced MPLS VPN features.
- Configure NE5000E/80E/40E advanced MPLS VPN features.
- Troubleshoot NE5000E/80E/40E advanced MPLS VPN features.
- Describe NE5000E/80E/40E MPLS TE features.
- Configure NE5000E/80E/40E MPLS TE features.
- Troubleshoot NE5000E/80E/40E MPLS TE features.
- Describe NE5000E/80E/40E products fault detection technologies.
- Describe NE5000E/80E/40E products protection technologies.
- Configure NE5000E/80E/40E products HA features.
- Describe NE5000E/80E/40E H-QoS features.
- Configure NE5000E/80E/40E H-QoS features.

Duration

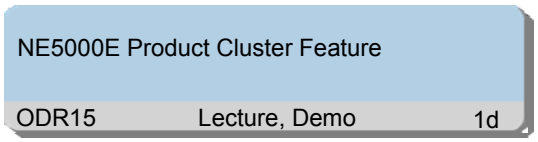
10 working days

Class Size

Min 6，

2.1.5 NE5000E Product Cluster Feature Training

Training Path



Target Audience

NE5000E cluster maintenance engineer

Prerequisites

- At least two years of experiences in the operation and maintenance of data communication equipment
- Attended “NE Series Routers 2nd Line Maintenance Training”

Objectives

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

- Describe NE5000E product cluster feature.
- Perform routine operation and maintenance of NE5000E product cluster.

Duration

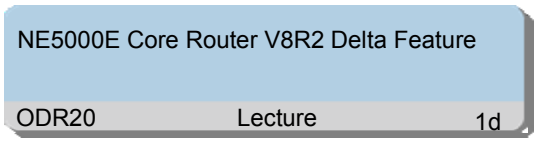
1 working day

Class Size

Min 6，

2.1.6 NE5000E Core Router V8R2 Delta Feature Training

Training Path



Target Audience

NE5000E router maintenance engineer

Prerequisites

- A good understanding of datacom network protocols
- Attended “NE Series Routers 2nd Line Maintenance Training” or has the equivalent HCDP knowledge or experiences

Objectives

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

- Describe NE5000E-X16 hardware structure.
- Describe NE5000E-X16 board types and functions.
- Describe VRP8 structure.
- Describe VRP8 system features.
- Describe VRP8 service features.
- Describe MPLS ACL principle and implementation.
- Describe packet capturing principle and implementation.
- Describe two-level load balance principle and implementation.

Duration

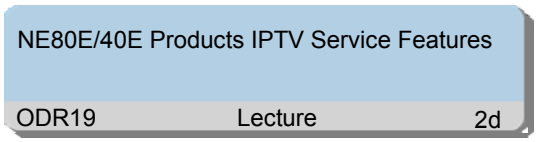
1 working day

Class Size

Min 6

2.1.7 NE80E/40E Products IPTV Service Features Training

Training Path



Target Audience

NE80E/40E products IPTV service maintenance engineer

Prerequisites

- A good understanding of datacom network protocols
- Attended “NE Series Routers 2nd Line Maintenance Training” or has the equivalent HCDP knowledge or experiences

Objectives

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

- Describe NE80E/40E products IPTV solutions.
- Describe IPTV bear network technical solutions.
- Describe NE80E/40E products MQE features.
- Describe NE80E/40E products multicast features.
- Describe NE80E/40E products multicast service deployment.

Duration

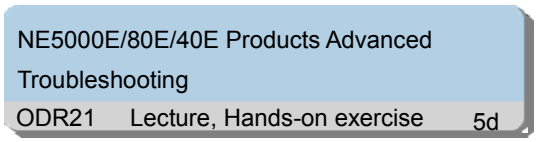
2 working days

Class Size

Min 6，

2.1.8 NE5000E/80E/40E Products Advanced Troubleshooting Training

Training Path



Target Audience

NE5000E/80E/40E products 3rd line maintenance engineer or expert from technical supporting team

Prerequisites

- A good understanding of datacom network protocols
- Attended “NE5000E/80E/40E Products 3rd Line Maintenance Training” or has the equivalent HCDP knowledge or experiences

Objectives

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

- Perform analysis and troubleshooting of NE5000E/80E/40E routing protocols advanced features.
- Perform analysis and troubleshooting of NE5000E/80E/40E MPLS L3 VPN advanced features.
- Perform analysis and troubleshooting of NE5000E/80E/40E MPLS TE features.

Duration

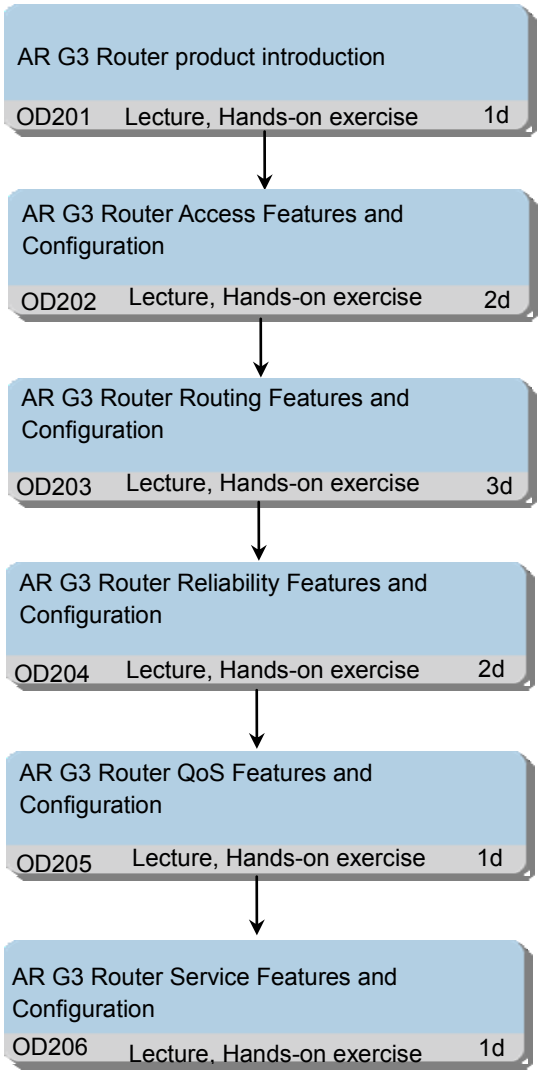
5 working days

Class Size

Min 6，

2.1.9 AR G3 Router Engineer Training

Training Path



Target Audience

AR G3 routers maintenance engineer

Prerequisites

- At least one year of experiences in the operation and maintenance of data communication equipment
- A general understanding of data communication

Objectives

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

- Describe the architecture of the AR G3 router.
- Describe the positioning of the AR G3 router.
- Describe the hardware architecture of the AR G3 router.
- Describe various types of interface cards of the AR G3 router.
- Install the hardware of the AR G3 router.
- Understand the service forwarding flow of the AR G3 router.
- Describe key features of the AR G3 router.
- Describe typical application scenarios of the AR G3 router.
- Complete the user interface configuration of the AR G3 router.
- Understand the device management of the AR G3 router.
- Describe the file management of the AR G3 router.
- Describe the information center of the AR G3 router.
- Upgrade software of the AR G3 router.
- Describe L2 features of the AR G3 router.
- Describe the virtual local area network (VLAN) feature of the AR G3 router.
- Describe the spanning tree feature of the AR G3 router.
- Describe the link aggregation feature of the AR G3 router.
- Describe various wide area network (WAN) interfaces of the AR G3 router.
- Understand the WAN protocol of the AR G3 router.
- Describe the dial-control center (DCC) dialing mechanism of the AR G3 router.
- Describe the Point-to-Point Protocol over Ethernet (PPPoE) host access function and PPPoE dialing function of the AR G3 router.
- Describe the routing basis of the AR G3 router.
- Describe basic routing features of the AR G3 router.
- Complete the routing configuration of the AR G3 router.

- Review the principle of the Open Shortest Path First (OSPF) protocol.
- Describe the OSPF feature of the AR G3 router.
- Complete the OSPF configuration of the AR G3 router.
- Describe OSPF application scenarios of the AR G3 router.
- Review the principle of BGP.
- Describe the BGP feature of the AR G3 router.
- Describe the BGP configuration of the AR G3 router.
- Describe BGP application scenarios of the AR G3 router.
- Describe the basic routing policy feature of the AR G3 router.
- Describe the OSPF routing policy of the AR G3 router.
- Describe the BGP routing policy of the AR G3 router.
- Describe the routing policy configuration of the AR G3 router.
- Describe the application scenarios of different routing policies of the AR G3 router.
- Describe the Virtual Router Redundancy Protocol (VRRP) feature of the AR G3 router.
- Describe the VRRP configuration of the AR G3 router.
- Describe the Bidirectional Forwarding Detection (BFD) feature of the AR G3 router.
- Describe the BFD configuration of the AR G3 router.
- Describe the quality of service (QoS) feature of the AR G3 router.
- Describe the QoS configuration of the AR G3 router.
- Describe the Dynamic Host Configuration Protocol (DHCP) feature of the AR G3 router.
- Complete the DHCP configuration of the AR G3 router.
- Describe the Network Address Translation (NAT) feature of the AR G3 router.
- Complete the NAT configuration of the AR G3 router.

Duration

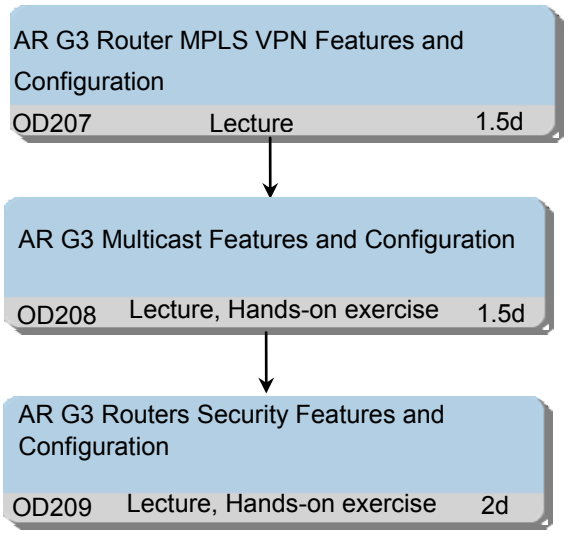
10 working days

Class Size

Min 6，

2.1.10 AR G3 Router Advanced Engineer Training

Training Path



Target Audience

AR G3 routers advanced maintenance engineer

Prerequisites

- At least one year of experiences in the operation and maintenance of data communication equipment
- A general understanding of data communication

Objectives

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

- Understand the technical principle and configuration of the AR G3 firewall technology.
- Understand the technical principle and configuration of the AR G3 AAA.
- Understand the technical principle and configuration of the AR G3 NAC.
- Understand the basic Multiprotocol Label Switching (MPLS) forwarding principle.
- Understand the working principle of the Label Distribution Protocol (LDP).
- Understand the basic concept of MPLS BGP VPN models.
- Understand the basic configuration of MPLS BGP VPN.
- Understand the implementation of MPLS and MPLS BGP VPN of the AR G3 router.
- Understand the multicast principle.
- Understand the principle of the Internet Group Management Protocol (IGMP) protocol.
- Understand the IGMP configuration of the AR G3 router.
- Understand the principle of the Protocol Independent Multicast (PIM).
- Understand the PIM configuration of the AR G3 router.

Duration

5 working days

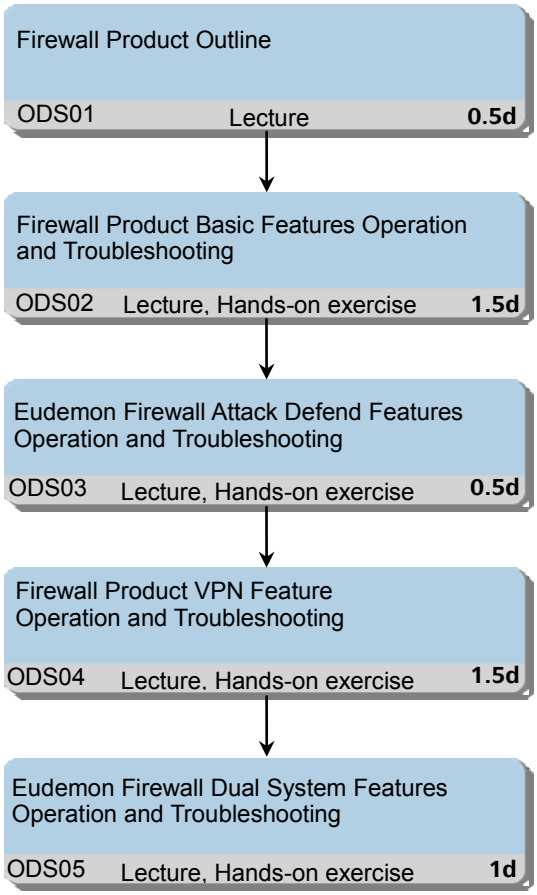
Class Size

Min 6，

2.2 Security Training

2.2.1 Eudemon Firewall Products 2nd Line Maintenance Training

Training Path



Target Audience

Eudemon series Firewall operation and maintenance engineer

Prerequisites

- Be familiar with Windows operating system
- Having a general knowledge of TCP/IP basics

Objectives

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

- Describe Eudemon full series firewall product hardware feature.
- Describe Eudemon full series firewall product software feature.
- Describe Eudemon Firewall basic function features.
- Describe Eudemon Firewall NAT service feature.
- Configure Eudemon Firewall basic function features.
- Configure Eudemon Firewall NAT service feature.
- Describe Eudemon Firewall attack defend service features.
- Configure Eudemon Firewall attack defend service features.
- Describe Eudemon Firewall L2TP service feature.
- Describe Eudemon Firewall GRE service feature.
- Describe Eudemon Firewall IP-Sec service feature.
- Configure Eudemon Firewall L2TP service feature.
- Configure Eudemon Firewall GRE service feature.
- Configure Eudemon Firewall IP-Sec service feature.
- Describe Eudemon Firewall dual system service features.
- Configure Eudemon Firewall dual system service features.

Duration

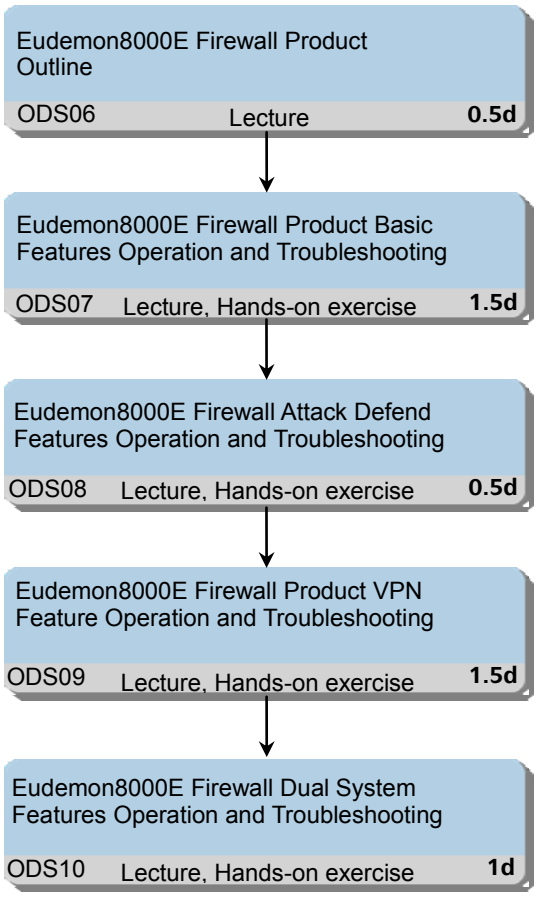
5 working days

Class Size

Min 6，max 12

2.2.2 Eudemon8000E Firewall Products 2nd Line Maintenance Training

Training Path



Target Audience

Eudemon8000E series Firewall operation and maintenance engineer

Prerequisites

- Be familiar with Windows operating system
- Having a general knowledge of TCP/IP basics

Objectives

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

- Describe Eudemon8000E series firewall product hardware feature.
- Describe Eudemon8000E series firewall product software feature.
- Describe Eudemon Firewall basic function features.
- Describe Eudemon Firewall NAT service feature.
- Configure Eudemon Firewall basic function features.
- Configure Eudemon Firewall NAT service feature.
- Describe Eudemon Firewall attack defend service features.
- Configure Eudemon Firewall attack defend service features.
- Describe Eudemon Firewall L2TP service feature.
- Describe Eudemon Firewall GRE service feature.
- Describe Eudemon Firewall IP-Sec service feature.
- Configure Eudemon Firewall L2TP service feature.
- Configure Eudemon Firewall GRE service feature.
- Configure Eudemon Firewall IP-Sec service feature.
- Describe Eudemon Firewall dual system service features.
- Configure Eudemon Firewall dual system service features.

Duration

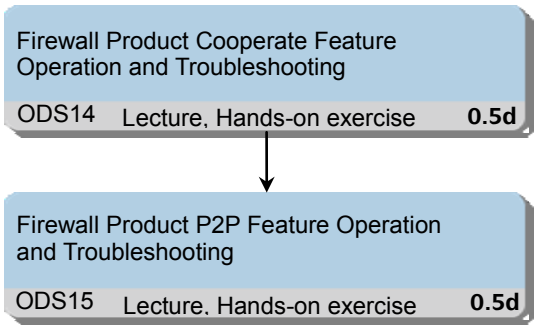
5 working days

Class Size

Min 6，max 12

2.2.3 Eudemon1000E Firewall Products Delta Training

Training Path



Target Audience

Eudemon1000E series Firewall operation and maintenance engineer

Prerequisites

- Be familiar with Windows operating system
- Having a general knowledge of TCP/IP basics

Objectives

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

- Describe E1000E Series Firewall cooperate with Secospace features.
- Configure E1000E Series Firewall cooperate feature.
- Describe E1000E Series Firewall P2P service feature.
- Configure E1000E Series Firewall P2P service feature.

Duration

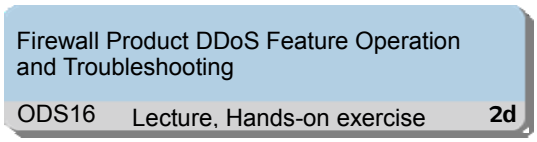
1 working day

Class Size

Min 6，max 12

2.2.4 Eudemon8000E DDoS Solution Training

Training Path



Target Audience

Eudemon 8000E series firewall operation and maintenance engineer of MAN traffic cleaning solution

Prerequisites

- Attended the training program of "Eudemon Firewall Products 2nd Line Maintenance Training"

Objectives

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

- Describe E8000E Series Firewall Product.
- Describe E8000E Series Firewall DDoS defense service feature.
- Configure E8000E Series Firewall DDoS defense service feature.

Duration

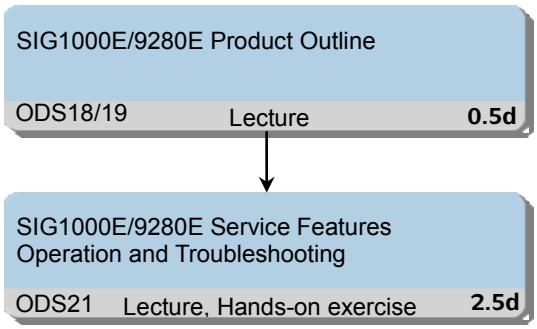
2 working days

Class Size

Min 6，max 12

2.2.5 SIG1000E/9280E Products 2nd Line Maintenance Training

Training Path



Target Audience

SIG1000E/9280E series operation and maintenance engineer

Prerequisites

- Be familiar with Windows operating system
- Having a general knowledge of TCP/IP basics

Objectives

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

- Describe SIG9280E product hardware and features.
- Describe SIG1000E product hardware and features.
- Describe SIG1000E/9280E basic function features.

Duration

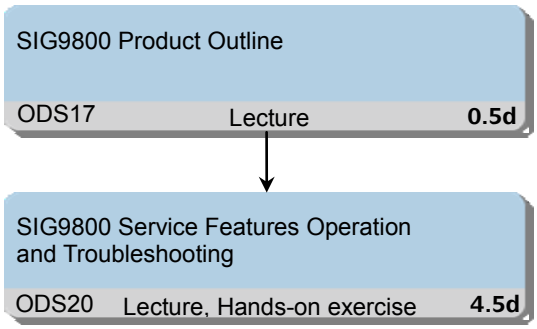
3 working days

Class Size

Min 6，max 12

2.2.6 SIG9800 Products 2nd Line Maintenance Training

Training Path



Target Audience

SIG9800 series operation and maintenance engineer

Prerequisites

- Be familiar with Windows operating system
- Having a general knowledge of TCP/IP basics

Objectives

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

- Describe SIG9800 product hardware and features.
- Describe SIG9800 basic function features.
- Describe SIG9800 traffic monitor service feature.
- Describe SIG9800 SPAM monitor service feature.
- Describe SIG9800 URL monitor service feature.
- Configure SIG9800 service.

Duration

5 working days

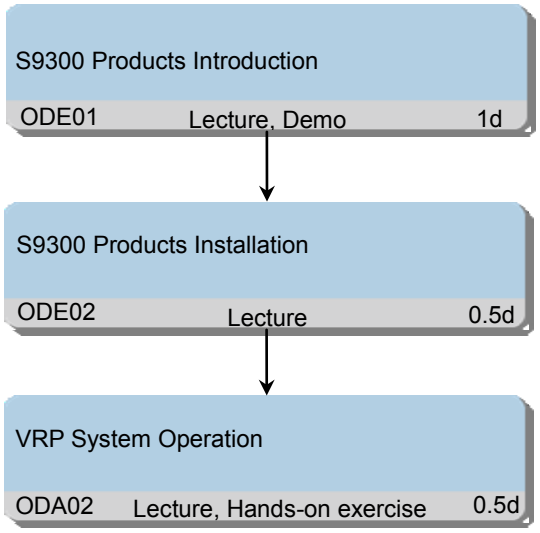
Class Size

Min 6，max 1

2.3 LAN Switch Training

2.3.1 S9300 Products Installation and Commissioning Training

Training Path



Target Audience

Installation and commissioning engineer

Prerequisites

- A general familiarity with data communication network and general network equipment
- A general understanding of relative network protocols

Objectives

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

- Describe specifications of S9300.
- Describe boards of S9300.
- Describe HA and green design.
- Describe typical application of S9300.
- Describe software features of S9300.
- Describe the typical network applications of the S9300 series high-end routing switches.
- Describe precautions.
- Describe installation preparations.
- Describe installation process.
- Describe how to check the installation.
- Describe how to power on the device.
- Understand the VRP architecture.
- Grasp the function of VRP.
- Understand the application of VRP.
- Grasp the basic knowledge to use VRP CLI.

Duration

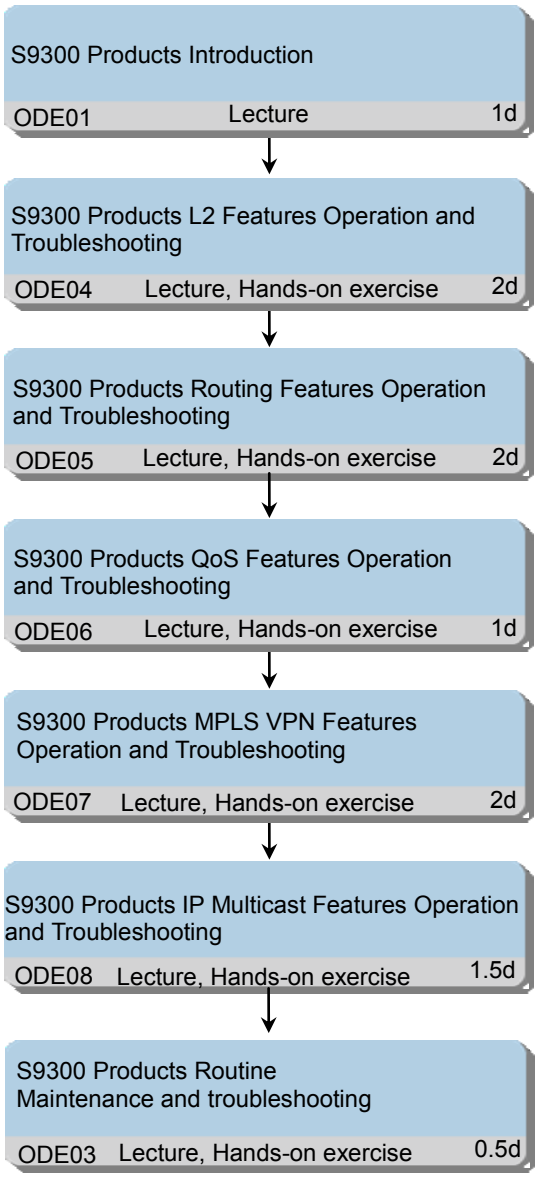
2 working days

Class Size

Min 6，max 12

2.3.2 S9300 Products 2nd Line Engineer Training

Training Path



Target Audience

S9300 products 2nd line technical support engineer

Prerequisites

- A general familiarity with data communication network and general network equipment
- A general understanding of relative network protocols

Objectives

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

- Describe specifications of S9300.
- Describe boards of S9300.
- Describe HA and green design.
- Describe typical application of S9300.
- Describe software features of S9300.
- Describe the typical network applications of the S9300 series high-end routing switches.
- Describe the origin of VLAN.
- Describe how the VLAN tag is generated.
- Describe how the VLAN tag is used.
- Configure the VLAN.
- Describe the VLAN features on S9300.
- Describe S9300 interface link-type.
- Describe S9300 QinQ features.
- Describe VLAN Mapping features.
- Describe the basic concepts of OSPF.
- Describe the basic features of OSPF.
- Describe the route calculation process of the link state algorithm.
- Configure BGP on S9300.
- Describe BGP features of S9300.
- Describe BGP advertisement principles.
- Describe BGP path attributes.
- Describe BGP route selection principles.
- Configure BGP on S9300.
- Describe traffic behavior and port priority on S9300.
- Describe traffic policing and shaping.
- Describe queue scheduling mode on S9300, including PQ, WRR/PQ+WRR, DWRR/PQ+DWRR.
- Describe congestion avoidance.
- Configure QoS on S9300.
- Describe the working mechanism of MPLS.
- Describe LDP LSP establishment.
- Describe MPLS forwarding.
- Describe the application of MPLS.
- Configure MPLS/LDP on S9300.
- Describe the basic concepts of MPLS BGP

VPN.

- Describe the route distribution and label distribution of MPLS BGP VPN.
- Describe how packets are forwarded on MPLS BGP VPN network.
- Configure MPLS L3 VPN on S9300.
- Describe MPLS L2 VPN basic principle.
- Describe implementation of the VLL.
- Configure MPLS L2 VPN on S9300.
- Describe VPLS basic architecture.
- Describe VPLS implementation.
- Configure VPLS on S9300.
- Describe traffic classification rules on S9300.
- Describe IGMP V1/V2/V3 protocol and the difference among the three versions.
- Describe IGMP Snooping.
- Describe S9300 IGMP Proxy.
- Describe multicast VLAN.
- Configure IGMP on S9300.
- Describe layer2 multicast features.
- Configure IGMP on S9300.
- Describe PIM-SM protocol mechanism.
- Describe application of PIM-SM.
- Configure PIM-SM on S9300.
- Describe PIM-SSM principle.
- Describe application of PIM-SSM.
- Configure PIM-SSM on S9300.
- Describe S9300 routine maintenance.
- Describe S9300 indicators.
- Describe daily maintenance items, weekly maintenance items, monthly maintenance items, quarterly maintenance items, half yearly maintenance items and yearly maintenance items.
- Describe parts replacement of S9300, including boards replacement, cables replacement and other components replacement.
- Describe S9300 troubleshooting, including fault classification, common diagnose tools and commands, troubleshooting cases.

Duration

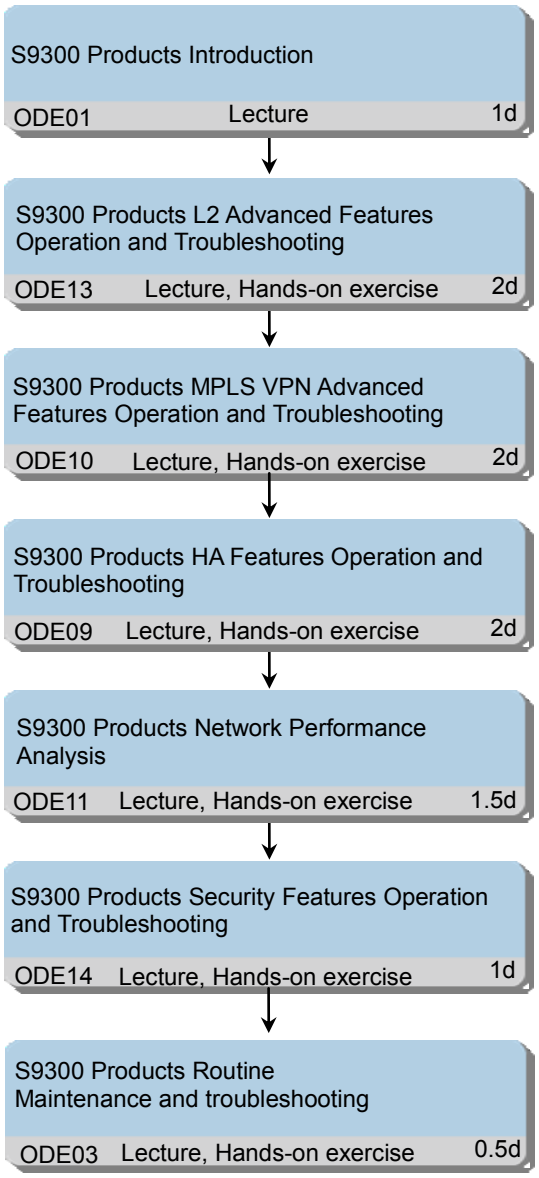
10 working days

Class Size

Min 6，max 12

2.3.3 S9300 Products 3rd Line Engineer Training

Training Path



Target Audience

S9300 3rd line technical support engineer/specialist

Prerequisites

- A general familiarity with data communication network and general network equipment
- A general understanding of relative network protocols
- At least two years of experiences in the operation and maintenance of data communication equipment
- Completion of “S9300 Products 2nd Line Maintenance Training”

Objectives

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

- Describe specifications of S9300.
- Describe boards of S9300.
- Describe HA and green design.
- Describe typical application of S9300.
- Describe software features of S9300.
- Describe the typical network applications of the S9300 series high-end routing switches.
- Describe Ethernet link aggregation.
- Describe S9300 two link aggregation modes: manual load balancing mode and static LACP mode.
- Configure Ethernet link aggregation on S9300.
- Describe S9300 smart link and smart link multi-instance.
- Describe the function of monitor link on S9300.
- Configure smart link and monitor link on S9300.
- Describe S9300 GVRP feature
- Configure GVRP feature on S9300.
- Describe S9300 E-trunk feature
- Configure E-trunk on S9300.
- Describe HoVPN principle.
- Describe OSPF VPN extension principle.
- Describe VPN FRR principle.
- Configure inter-AS MPLS L3 VPN on S9300.
- Describe the working principle of PWE3.
- Describe the relationship between PWE3 and L2 VPN.
- Describe the typical application of PWE3.
- Describe the working principle of MPLS OAM.
- Describe the detection function of MPLS OAM.
- Describe the S9300 application of MPLS OAM.
- Configure PWE3, MPLS OAM on S9300.
- Describe inter-AS MPLS L3 VPN principle.

- Describe S9300 RRPP feature.
- Configure RRPP on S9300.
- Describe S9300 BFD feature.
- Configure BFD on S9300.
- Describe S9300 NQA feature.
- Configure NQA on S9300.
- Describe S9300 Net stream feature.
- Configure Net stream on S9300.
- Describe S9300 NAC feature.
- Configure NAC on S9300.
- Describe S9300 MFF feature.
- Configure MFF on S9300.
- Describe S9300 routine maintenance.
- Describe S9300 indicators.
- Describe daily maintenance items, weekly maintenance items, monthly maintenance items, quarterly maintenance items, half yearly maintenance items and yearly maintenance items.
- Describe parts replacement of S9300, including boards replacement, cables replacement and other components replacement.
- Describe S9300 troubleshooting, including fault classification, common diagnose tools and commands, troubleshooting cases.

Duration

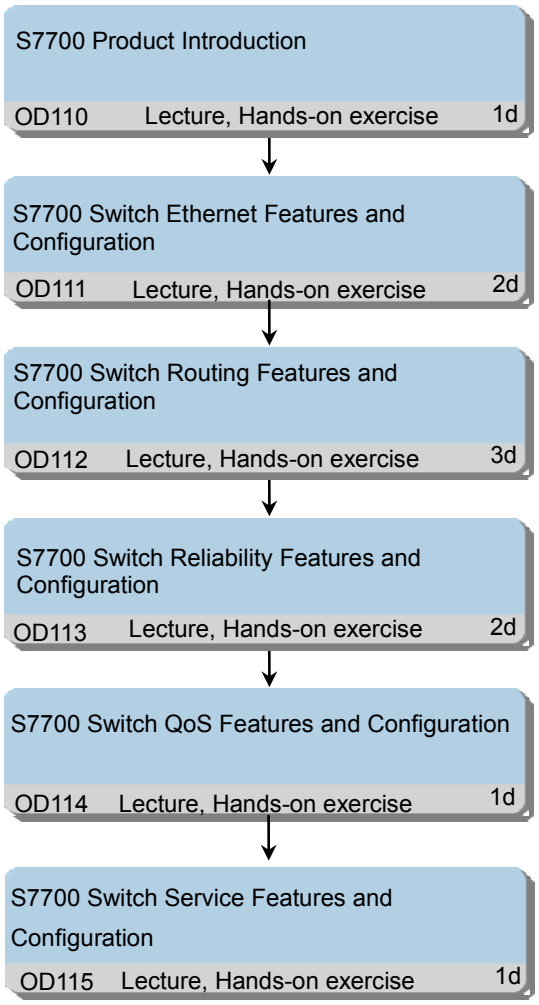
10 working days

Class Size

Min 6，max 12

2.3.4 S7700 Products Engineer Training

Training Path



Target Audience

S7700 technical support engineer/specialist

Prerequisites

- A general familiarity with data communication network and general network equipment
- A general understanding of relative network protocols
- At least two years of experiences in the operation and maintenance of data communication equipment

Objectives

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

- Describe the hardware and software architecture, functional features, and networking applications of the S7700.
- Describe the system architecture of the Huawei datacom platform, versatile routing platform (VRP).
- Understand the principle and configuration of VLAN.
- Understand the principle and configuration of the VLAN aggregation.
- Understand the principle and configuration of MUX VLAN.
- Understand the principle and configuration of QinQ.
- Understand the basic principle and configuration of the Spanning Tree Protocol (STP), Rapid Spanning Tree Protocol (RSTP), and Multiple Spanning Tree Protocol (MSTP).
- Understand the implementation of the switching technology of the S7700.
- Understand the concept of routing.
- Understand the routing process of packet in network.
- Understand the structure of routing tables.
- Understand the configuration of the static route.
- Understand the configuration of the default route.
- Understand the load balancing and backup of routes.
- Understand common dynamic routing protocols.
- Understand the basic feature of the OSPF protocol.
- Understand the basic concept of OSPF.
- Understand the routing computing process of the link status algorithm.
- Understand the two neighbor relationships of the Border Gateway Protocol (BGP).
- Understand the notice principle of BGP.
- Understand the basic configuration of OSPF and BGP protocols.

- Understand the implementation of the IP routing protocol of the S7700.
- Understand the principle and configuration of the Rapid Ring Protection Protocol (RRPP).
- Understand the principle and configuration of the link aggregation.
- Understand the principle and configuration of Smart-Link.
- Understand the principle and configuration of VRRP.
- Understand the principle and configuration of BFD.
- Describe the basic concept of IP QoS.
- Understand the implementation of the commonly used algorithm of IP QoS.
- Understand the implementation of the IP QoS technology of the S7700.
- Understand the principle and configuration of DHCP.
- Understand the relay principle and configuration of DHCP.

Duration

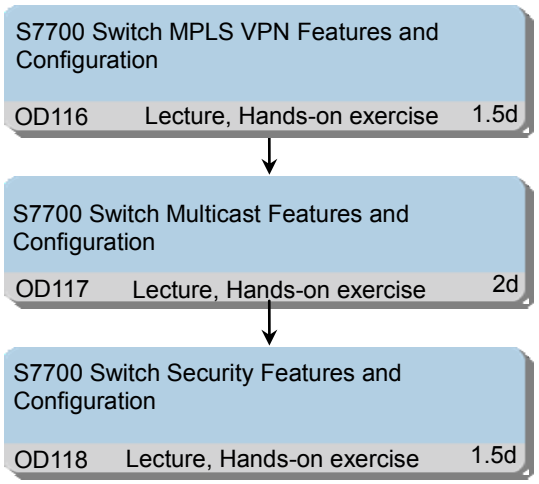
10 working days

Class Size

Min 6，max 12

2.3.5 S7700 Products Advanced Engineer Training

Training Path



Target Audience

S7700 advanced technical support engineer

Prerequisites

- Completion of “S7700 Products Engineer Training”

Objectives

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

- Understand the basic MPLS forwarding principle.
- Understand the working principle of LDP.
- Understand the basic concept of MPLS BGP VPN models.
- Understand the basic configuration of MPLS BGP VPN.
- Understand the implementation of MPLS and MPLS BGP VPN of the S7700.
- Understand the principle of multicast.
- Understand the principle of IGMP.
- Understand the technical principle of the IGMP Snooping.
- Understand the principle of PIM.
- Understand the implementation of the multicast technology of the S7700.
- Understand the security feature of the S7700.
- Understand authentication, authorization, and accounting (AAA) and NAC models and typical configuration.

Duration

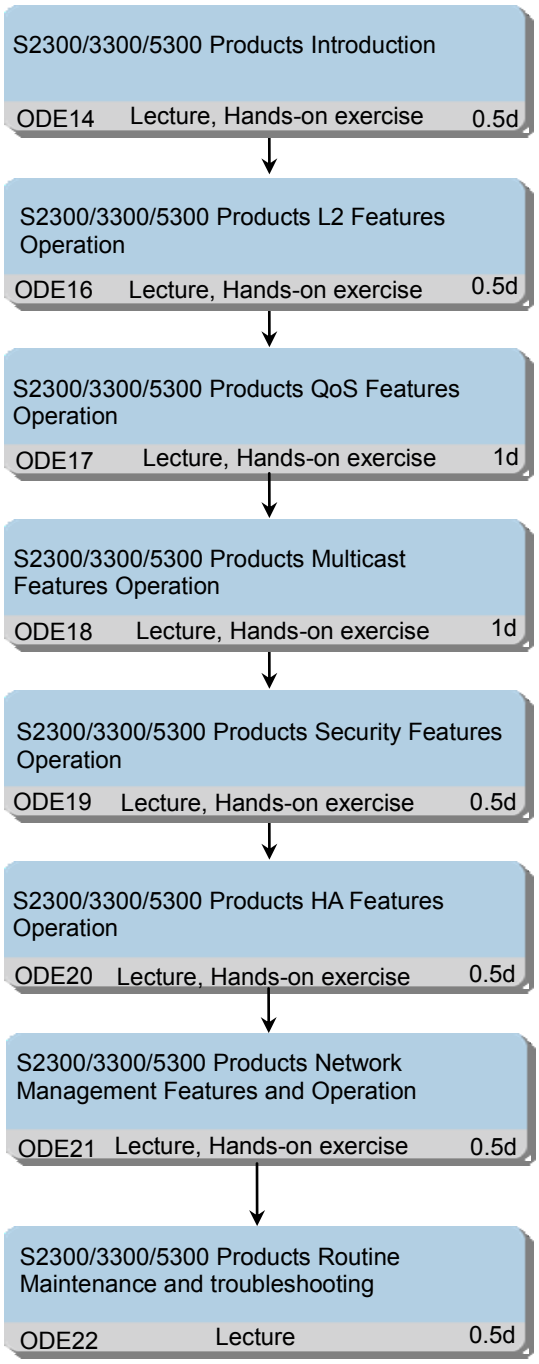
5 working days

Class Size

Min 6，max 12

2.3.6 S2300/3300/5300 Series Products 2nd Line Maintenance Training

Training Path



Target Audience

S23&33&53 products 2nd line technical support engineer

Prerequisites

- A general familiarity with data communication network and general network equipment
- A general understanding of relative network protocols

Objectives

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

- Describe S23&33&53 products L2 features, including VLAN Mapping, voice VLAN, QinQ.
- Configure L2 features of S23&33&53.
- Describe S23&33&53 products QoS features.
- Configure QoS features on S23&33&53.
- Describe S23&33&53 products multicast features, including IGMP Snooping, IGMP Proxy and controllable multicast.
- Configure multicast on S23&33&53.
- Describe S23&33&53 products security features, including attack defense, DHCP snooping, MFF.
- Configure security features on S9300.
- Describe S23&33&53 HA Features.
- Configure HA Feature on S23&33&53.
- Describe S23&33&53 Network Management Feature.
- Configure Network Management feature on S23&33&53.

Duration

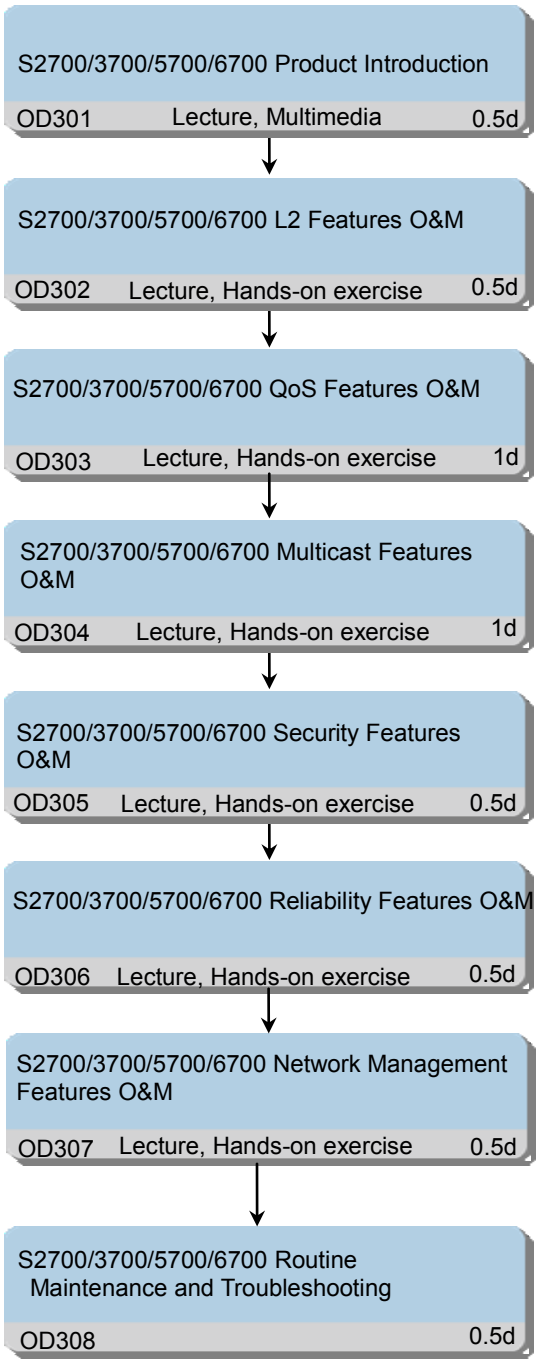
5 working days

Class Size

Min 6，max 12

2.3.7 S2700/3700/5700/6700 Products Engineer Training

Training Path



Target Audience

S27&37&57&67 products 2nd line technical support engineer

Prerequisites

- A general familiarity with data communication network and general network equipment
- A general understanding of relative network protocols

Objectives

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

- Describe S27&37&57&67 products L2 features, including VLAN Mapping, voice VLAN, QinQ.
- Configure L2 features of S27&37&57&67.
- Describe S27&37&57&67 products QoS features.
- Configure QoS features on S27&37&57&67.
- Describe S27&37&57&67 products multicast features, including IGMP Snooping, IGMP Proxy and controllable multicast.
- Configure multicast on S27&37&57&67.
- Describe S27&37&57&67 products security features, including attack defense, DHCP snooping, MFF.
- Configure security features on S9300.
- Describe S27&37&57&67 HA Features.
- Configure HA Feature on S27&37&57&67.
- Describe S27&37&57&67 Network Management Feature.
- Configure Network Management feature on S27&37&57&67.

Duration

5 working days

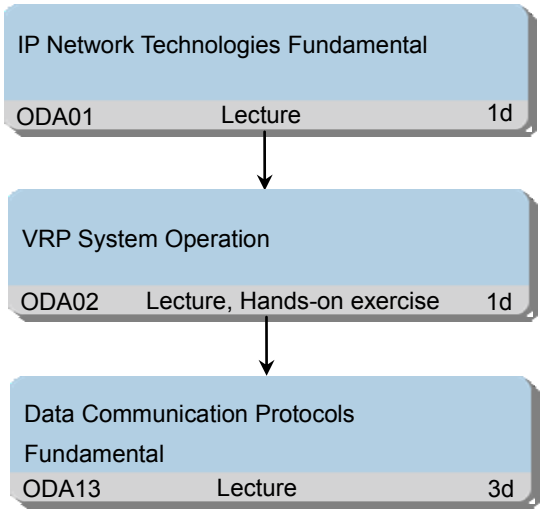
Class Size

Min 6，max 12

2.4 IP Technology Training

2.4.1 IP Network Technologies Fundamental Training

Training Path



Target Audience

IP network operation and maintenance support engineer

IP network Installation and commissioning engineer

Prerequisites

- Having basic knowledge of PC operation

Objectives

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

- Describe the basic concepts of data communication.
- Describe the basic knowledge of Internet.
- Describe the organization for standardization.
- Describe the basic structure of IP network.
- Describe the OSI reference model layers.
- Describe the TCP/IP model layers.
- Describe the TCP/IP data encapsulation.
- Describe the classification of IP address.
- Describe the sub-netting of IP address.
- Describe the principle of ARP/RARP protocols.
- Describe the principle of TCP/UDP protocols.
- Describe the differences between TCP and UDP.
- Describe how to use the common application tools.
- Describe the VRP system structure.
- Describe the basic configuration and commands.
- Upgrade VRP system.
- Configure the VRP user logging authentication.
- Configure FTP service.
- Describe basic troubleshooting process of VRP system.
- Describe basic concepts of Ethernet.
- Describe principles of Ethernet.
- Describe principles of VLAN.
- Describe principles of VLAN routing.
- Describe principles of Isolate-User-VLAN.
- Describe IP routing and routing table.
- Describe static route.
- Describe OSPF basic concepts.
- Describe OSPF neighbor and adjacency relationship.
- Describe OSPF intra-area route calculation.
- Describe OSPF inter-area route calculation.
- Describe ISIS basic concepts.
- Describe ISIS adjacency relationship.
- Describe ISIS route calculation.
- Describe BGP basics.
- Describe BGP route attributes and route selection.

Duration

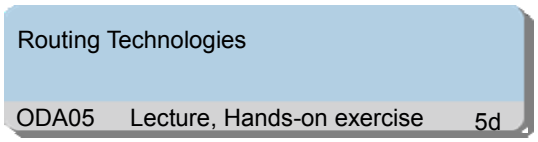
5 working days

Class Size

Min 6，max 12

2.4.2 IP Routing Technologies Training

Training Path



Target Audience

IP network operation and maintenance support engineer

Prerequisites

- Having basic knowledge of TCP/IP
- Having basic knowledge of Ethernet
- Having basic knowledge of Routing

Objectives

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

- Describe the concept of route.
- Describe the functions of route and analyze the routing table.
- Describe the route load balance and the route standby.
- Describe the concept of neighbor and adjacency of OSPF.
- Describe the election process of DR and BDR of OSPF.
- Describe the structure of OSPF header and the types of OSPF packets.
- Describe the OSPF LSA types.
- Describe the OSPF neighbor state transition.
- Describe the OSPF LSDB synchronization process.
- Describe the OSPF external route types.
- Describe stub area concepts and configuration.
- Describe total stub area concepts and configuration.
- Describe NSSA concepts and configuration.
- Describe the common troubleshooting process of OSPF.
- Describe the function of LSP, PSNP and CSNP in ISIS.
- Describe the ISIS LSDB synchronization process.
- Describe the hierarchical routing level of ISIS.
- Describe the similarities and differences between OSPF and ISIS.
- Describe the common BGP attributes.
- Describe the route selection rules of BGP.
- Describe the BGP route aggregation methods.
- Configure the route policy to select and filter routes.

Duration

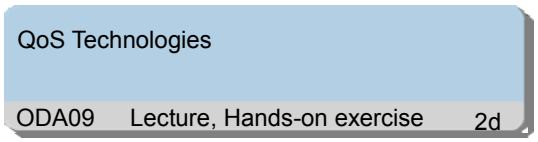
5 working days

Class Size

Min 6，max 12

2.4.3 QoS Technologies Training

Training Path



Target Audience

IP network operation and maintenance support engineer

Prerequisites

- Having basic knowledge of TCP/IP
- Having basic knowledge of Ethernet
- Having basic knowledge of Routing

Objectives

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

- Describe the function of QoS.
- Describe the classification of QoS.
- Describe the typical applications of QoS.
- Describe the concepts of IP QoS.
- Describe the function and principle of traffic policing, traffic shaping, congestion management and congestion avoidance.
- Describe MPLS QoS principle and function.
- Describe three QoS models.
- Configure QoS on VRP platform.

Duration

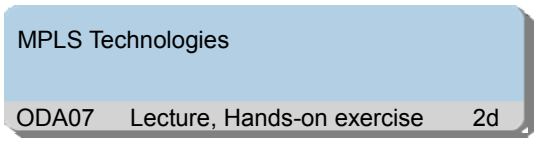
2 working days

Class Size

Min 6，max 12

2.4.4 MPLS Technologies Fundamental Training

Training Path



Target Audience

IP network operation and maintenance support engineer

Prerequisites

- A basic understanding of data communication
- A general understanding of telecom network
- Familiar with the working principle of IGP routing protocol

Objectives

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

- Describe the working mechanism of MPLS.
- Describe the application of MPLS.
- Describe the structure of MPLS label.
- Describe how MPLS forwards packets.
- Describe the LDP neighbor discovery mechanism.
- Describe the LDP session establishment process.
- Describe the LDP label space.
- Describe the LDP label distribution mode.
- Describe the LDP label control mode.
- Describe the LDP label retention mode.
- Describe the MPLS loop detection methods.
- Describe how MPLS handles TTL value.
- Describe the principle of MPLS OAM.
- Describe the messages of MPLS OAM.
- Describe the application and configuration of MPLS OAM.

Duration

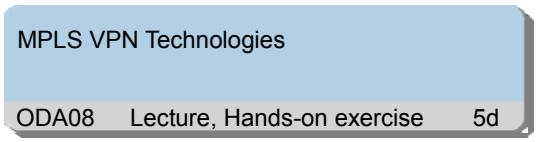
2 working days

Class Size

Min 6，max 12

2.4.5 MPLS VPN Technologies Training

Training Path



Target Audience

IP network operation and maintenance support engineer

Prerequisites

- A basic understanding of data communication
- A general understanding of telecom network
- Familiar with the working principle of IGP routing protocol
- Familiar with the working principle of MPLS

Objectives

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

- Describe the basic concepts of MPLS BGP VPN.
- Describe the route distribution and label distribution of MPLS BGP VPN.
- Describe how packets are forwarded on MPLS BGP VPN network.
- Configure MPLS BGP VPN.
- Describe the extended BGP attributes used in MPLS BGP VPN.
- Describe how to access Internet through ISP.
- Describe how to access Internet through MPLS BGP VPN backbone network.
- Describe how to access Internet by different interfaces between PE and CE.
- Describe the working principle and applications of inter-AS MPLS VPN, HoPE, Multi-role host.
- Describe the working principle of MPLS L2 VPN.
- Describe the working principle of VPLS.
- Describe the working principle of PWE3.
- Configure MPLS, MPLS L3 VPN, MPLS L2 VPN and VPLS.

Duration

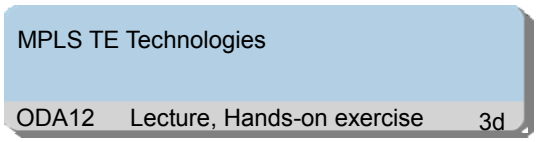
5 working days

Class Size

Min 6，max 12

2.4.6 MPLS TE Technologies Training

Training Path



Target Audience

IP network operation and maintenance support engineer

Prerequisites

- A basic understanding of data communication
- A general understanding of telecom network
- Familiar with the working principle of IGP routing protocol
- Familiar with the working principle of MPLS

Objectives

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

- Describe the concept and function of MPLS traffic engineering.
- Describe the components of MPLS traffic engineering.
- Describe MPLS traffic protection.
- Describe the auto bandwidth adjustment and tunnel re-optimization methods.
- Describe advanced applications of MPLS traffic engineering.
- Implement MPLS traffic engineering.

Duration

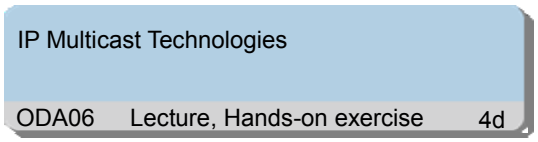
3 working days

Class Size

Min 6，max 12

2.4.7 IP Multicast Technologies Training

Training Path



Target Audience

IP network operation and maintenance support engineer

Prerequisites

- A basic understanding of data communication
- A general understanding of telecom network
- Familiar with the working principle of IGP routing protocol

Objectives

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

- Describe the principle of IP multicast technologies.
- Describe the working principle and versions of IGMP.
- Describe the principle of PIM-SM and PIM-SSM.
- Implement IP multicast service in real network.
- Configure the multicast IGMP, PIM-SM and PIM-SSM.
- Describe the BGP extension of MBGP.
- Describe the multicast route transmission process of MBGP.
- Describe the principle of MSDP.
- Describe the special RPF detection process of MSDP.
- Describe the function of multicast VPN.
- Describe the implementation of multicast VPN.
- Describe the concepts and principle of MD VPN.
- Configure MBGP, MSDP and multicast VPN
- Configure MD VPN.

Duration

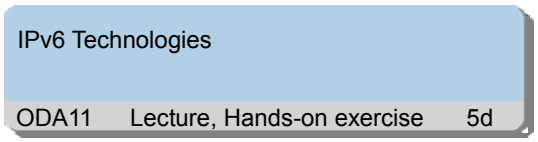
4 working days

Class Size

Min 6，max 12

2.4.8 IPv6 Technologies Training

Training Path



Target Audience

IP network operation and maintenance support engineer

Prerequisites

- A basic understanding of data communication
- A general understanding of telecom network
- Familiar with the working principle of IGP routing protocol

Objectives

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

- Describe the reason for upgrading IPv4 to IPv6.
- Describe the evolution of IPv6.
- Describe the IPv6 address structure and IPv6 packet format.
- Describe the packet types of ICMPv6.
- Describe the working principle of ICMPv6.
- Describe the IPv6 neighbor discovery process.
- Describe the working principle of IPv6 PMTU.
- Describe the working principle of IPv6 DNS.
- Describe IPv6 transition solutions.
- Describe OSPFv3 working principle.
- Describe ISISv6 working principle.
- Describe MP-BGP attributes and implementations in the IPv6 inter-domain routing.
- Describe IPv6 multicast working principle.
- Describe MLD working principle.
- Configure IPv6 ACL.
- Configure OSPFv3, IS-ISv6, MP-BGP for IPv6 network.

Duration

5 working days

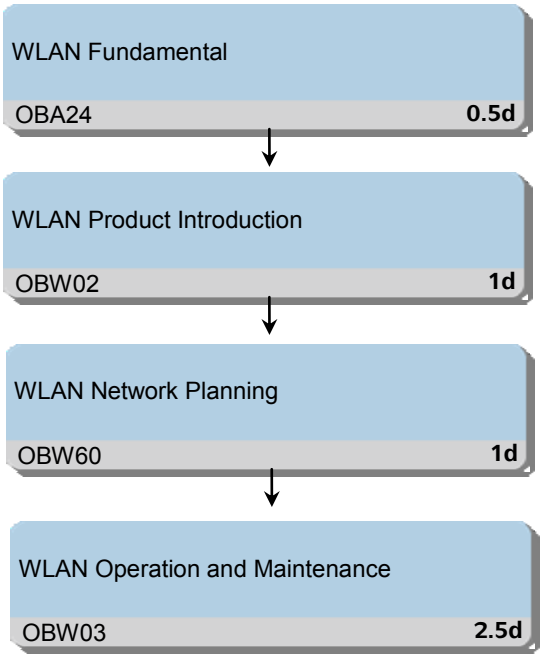
Class Size

Min 6，max 12

2.5 WLAN Training

2.5.1 WLAN Engineer Training

Training Path



Target Audience

Technical Support Engineers, O&M Engineers

Prerequisites

- A basic understanding of telecommunication and data communication

Objectives

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

- Describe the base concept and category of WLAN
- Describe the channel partition of WLAN
- Describe the network architecture of WLAN
- Describe the principle of WLAN
- Describe the service bear flow of WLAN.
- Describe the main device structure, interface and function of WLAN network
- Describe the structure and function of main component of WLAN network
- Choose the right component of WLAN network
- Describe the service network and flow of WLAN
- Describe the service bear principle of WLAN
- Finish the service configuration and verify it
- Describe WLAN network planning principal
- Implement WLAN network planning
- Implement WLAN daily O&M

Duration

5 working days

Class Size

Min 6，max 12

Customer Training Catalog
Training Programs
UC&C

HUAWEI Learning Service

2012

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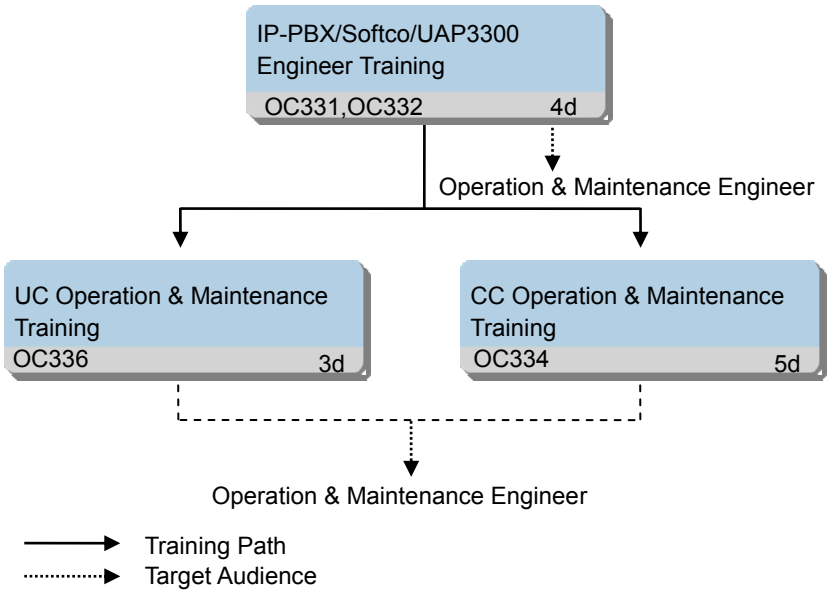
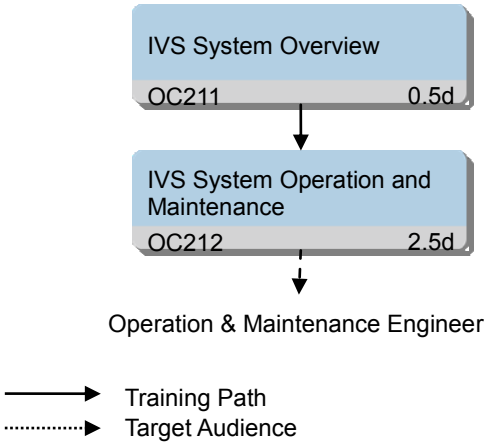
3 Training Path

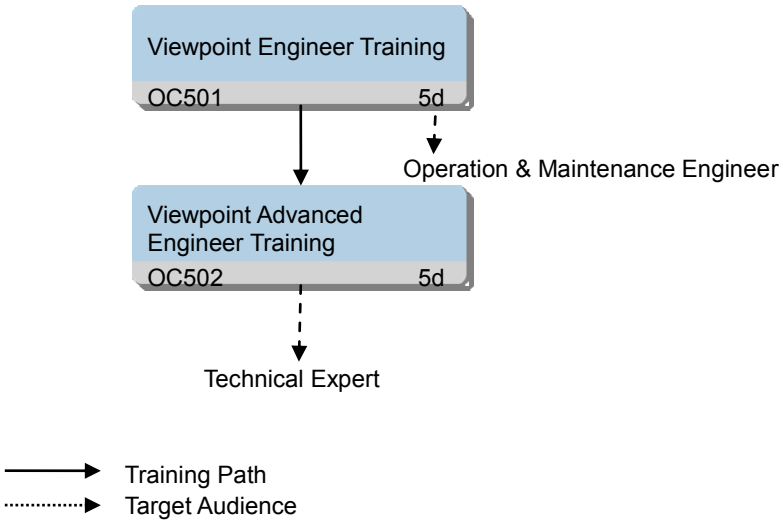
3.1 UCC Training Path



3.2 IVS Training Path



3.3 Viewpoint Training Path



4 Training Programs

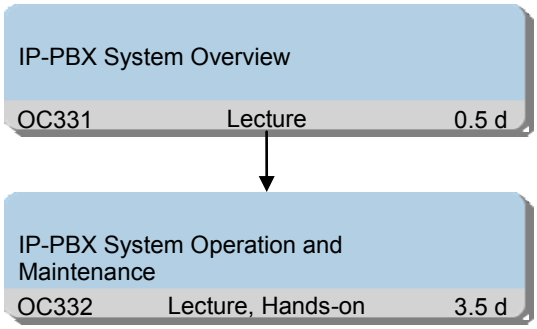
UC&C Training Programs are designed as follows:

Training Programs	Level	Duration (working days)	Training Location	Class Size
UCC Training Programs				
IP-PBX/Softco/UAP3300 Engineer Training	II	4		6 ~ 12
CC Operation & Maintenance Training	II	5		6 ~ 12
UC Operation & Maintenance Training	II	3		6 ~ 12
IVS Training Programs				
HUAWEI IVS System Operation and Maintenance Training	II	3		6 ~ 12
Viewpoint Training Programs				
Viewpoint Engineer Training	II	5		6 ~ 12
Viewpoint Advanced Engineer Training	III	5		6 ~ 12

4.1 Unified Communications & Contact Center Training

4.1.1 IP-PBX/Softco/UAP3300 System Operation and Maintenance Training

Training Path



Target Audience

The program is intended for the personnel who are responsible for operation and routine maintenance of IP-PBX/Softco system.

Prerequisites

- Knowledge of telecommunications

Objectives

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

- Describe IP-PBX system architecture.
- Describe IP-PBX system functions.
- Describe IP-PBX system interfaces.
- Outline IP-PBX data configuration procedure.
- Perform hardware data configuration.
- Perform PRA trunk data configuration.
- Perform SS7 trunk data configuration.
- Perform SIP trunk data configuration.
- Perform IP-PBX Agent data configuration.
- Check system status and identify system faults.
- Implement fault elimination operations.

Duration

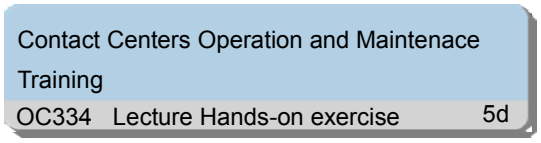
4 working days

Class Size

Min 6，max 12

4.1.2 Contact Centers Operation and Maintenance Training

Training Path



Target Audience

This program is intended for the personnel working in the network management centre who is responsible for equipment configuration, operation and troubleshooting of contact centers

Prerequisites

- Successful completion of training program: Contact Centers Basic Training

Objectives

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

- Describe basics of inbound, outbound, Multimedia
- Describe CC features
- Describe CC architecture
- Describe CTI and CTI components
- Introduction to WAS
- Inbound CC solution overview
- Overview of Huawei iWeb reporting platform
- Overview of multimedia
- Overview of IVR
- Overview of voice and screen recording
- Describe CTI components.
- Complete CTI installation.
- Complete WAS installation.
- Complete WAS configuration.
- Complete VDN configuration.
- Complete agent & skill queue configuration.
- Describe Web QC function.
- Complete voice and screen recording configuration.
- Complete iWeb reporting installation & configuration.
- Complete iWeb report template upload and report generation.
- Complete chat configuration.
- Complete email configuration.

Duration

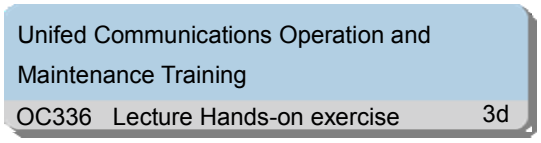
5 working days

Class Size

Min 6，max 12

4.1.3 Unified Communications Operation and Maintenance Training

Training Path



Target Audience

This program is intended for the personnel working in the network management centre who is responsible for equipment configuration, operation and troubleshooting of Unified Communications

Prerequisites

- Successful completion of training program: Unified Communications Basic Training

Objectives

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

- Describe UC system architecture
- Describe UC system functions.
- Describe service process flow.
- Perform eConsole, UMS, Data Conference installation and configuration.
- Perform eServer, BMU, Billing installation and configuration.
- Perform UC routine maintenance..

Duration

3 working days

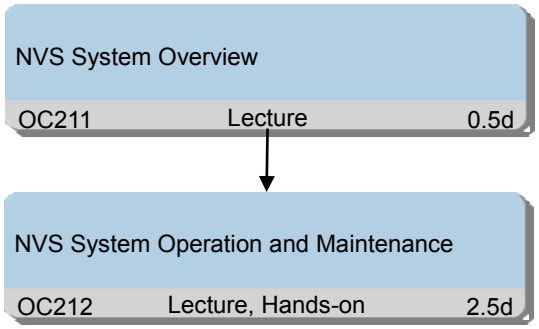
Class Size

Min 6，max 12

4.2 IVS Product Training

4.2.1 HUAWEI IVS System Operation and Maintenance Training

Training Path



Target Audience

This program is intended for the personnel working in the network management centre who is responsible for equipment configuration, operation and troubleshooting of IVS system

Prerequisites

- Knowledge of telecommunications

Objectives

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

- Describe IVS system architecture.
- Describe IVS system functions.
- Describe the service processing flow.
- List IVS system interfaces.
- Perform IVS system data configuration.
- Perform IVS system operation.
- Perform IVS routine maintenance.
- Check system status and identify system faults.
- Implement fault elimination operations.

Duration

3 working days

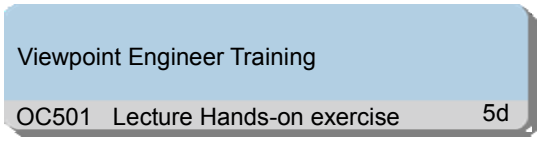
Class Size

Min 6，max 12

4.3 Viewpoint Training

4.3.1 Viewpoint Engineer Training

Training Path



Target Audience

This program is intended for the personnel working in the field who is responsible for basic equipment operations and routine maintenance for videoconferencing

Prerequisites

- Knowledge of telecommunications

Objectives

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

- Know basic principle and network structure of ViewPoint videoconferencing system
- Know the operation and maintenance of the videoconferencing products.
- Know the operation and maintenance of the vSwitch system
- Know the operation and maintenance of the ResourceManager
- Know the operation and maintenance of the MCU 8650/8660
- Know the principle of the videoconferencing system and signal working flow.
- Learn the basic techniques of starting a new project and maintenance.

Duration

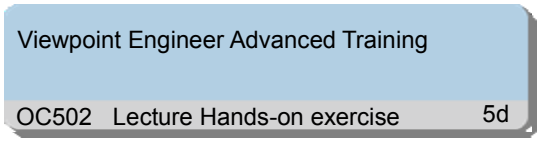
5 working days

Class Size

Min 6，max 12

4.3.2 Viewpoint Advanced Engineer Training

Training Path



Target Audience

This program is intended for the personnel working in the network management centre who is responsible for equipment configuration, operation and troubleshooting of videoconferencing

Prerequisites

- Successful completion of training program: Viewpoint engineer Training

Objectives

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

- Know principle of videoconference and signal working flow.
- Know the principle of firewall traversal and the solution.
- Learn how to install the platform software under windows cluster.
- Know the principle and solution of the videoconferencing system working with other systems
- Know the operation and maintenance of the database for videoconferencing system.
- Learn the train of though of common problem diagnosis of videoconferencing system

Duration

5 working days

Class Size

Min 6，max 12

Customer Training Catalog
Storage and Server

HUAWEI Learning Service

2012

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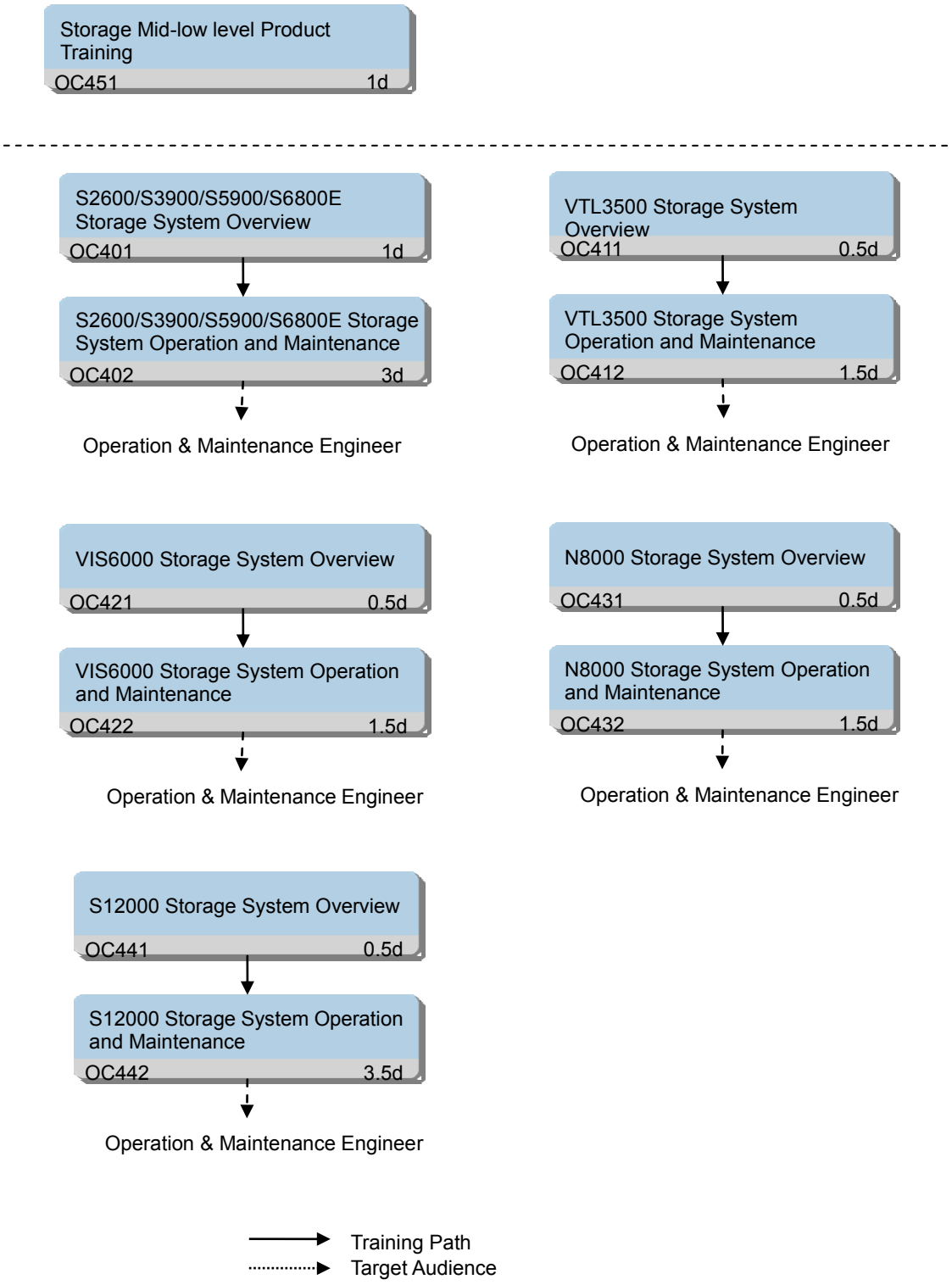
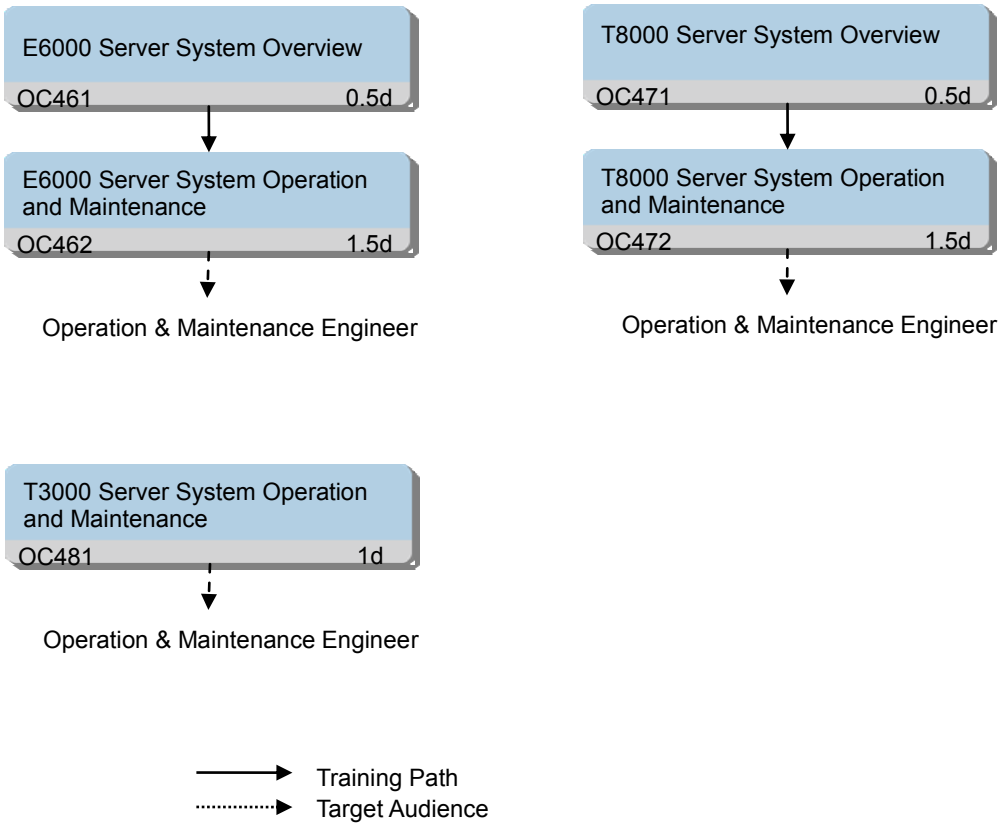
5 Training Path

5.1 Storage Training Path



5.2 Server Training Path



6 Training Programs

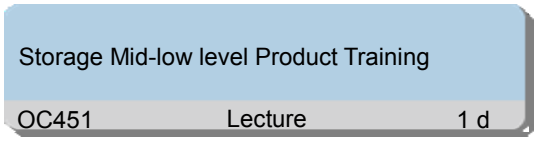
Storage and Server Training Programs are designed as follows:

Training Programs	Level	Duration (working days)	Training Location	Class Size
Storage Training Programs				
Storage Mid-low level Product Training	I	1		6 ~ 12
S2600/S3900/S5900/S6800E Storage System Operation and Maintenance Training	II	4		6 ~ 12
VTL3500 Storage System Operation and Maintenance Training	II	2		6 ~ 12
VIS6000 Storage System Operation and Maintenance Training	II	2		6 ~ 12
N8000 Storage System Operation and Maintenance Training	II	2		6 ~ 12
S12000 Storage System Operation and Maintenance Training	II	4		6 ~ 12
Server Training Programs				
E6000 Server System Operation and Maintenance Training	II	2		6 ~ 12
T8000 Server System Operation and Maintenance Training	II	2		6 ~ 12
T3000 Server System Operation and Maintenance Training	II	1		6 ~ 12

6.1 Storage Product Training

6.1.1 Storage Mid-low level Product Training

Training Path



Target Audience

The program is intended for the personnel who want to enter the storage industry and the elementary person

Prerequisites

- Knowledge of telecommunications
- Knowledge of computer and computer network

Objectives

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

- Describe the hardware and software architecture of storage system of mid-low level product.
- Outline the structure and interfaces of mid-low level equipment.
- Check the installation quality according to installation criterion;
- Describe the basic configuration of the storage management software OSM;
- Perform the software configuration of mid-low level product.
- Perform mid-low level product operation and maintenance, such as alarms ,

Duration

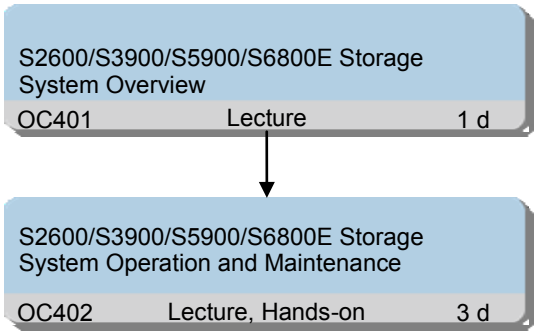
1 working day

Class Size

Min 6，max 1

6.1.2 S2600/S3900/S5900/S6800E Storage System Operation and Maintenance Training

Training Path



Target Audience

The program is intended for the personnel who are responsible for operation and routine maintenance of S2600/S3900/S5900/S6800E storage system

Prerequisites

- Knowledge of telecommunications
- Knowledge of computer and computer network

Objectives

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

- Describe S2600/S3900/S5900/S6800E storage system architecture.
- Describe S2600/S3900/S5900/S6800E storage system functions.
- List S2600/S3900/S5900/S6800E storage system interfaces.
- Perform S2600/S3900/S5900/S6800E storage system operation.
- Perform S2600/S3900/S5900/S6800E storage routine maintenance.
- Check system status and identify system faults.
- Implement fault elimination operations.

Duration

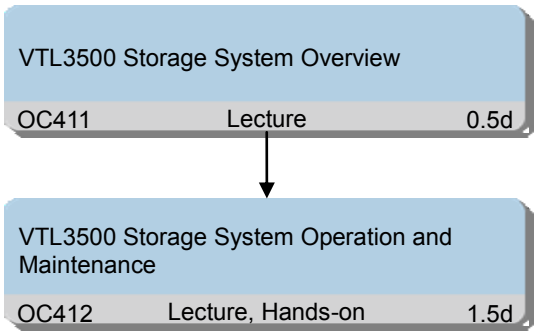
4 working day

Class Size

Min 6，max 12

6.1.3 VTL3500 Storage System Operation and Maintenance Training

Training Path



Target Audience

The program is intended for the personnel who are responsible for operation and routine maintenance of VTL3500 storage system.

Prerequisites

- Knowledge of telecommunications
- Knowledge of computer and computer network

Objectives

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

- Describe VTL3500 storage system architecture.
- Describe VTL3500 storage system functions.
- List VTL3500 storage system interfaces.
- Perform VTL3500 storage system operation.
- Perform VTL3500 storage routine maintenance.
- Check system status and identify system faults.
- Implement fault elimination operations.

Duration

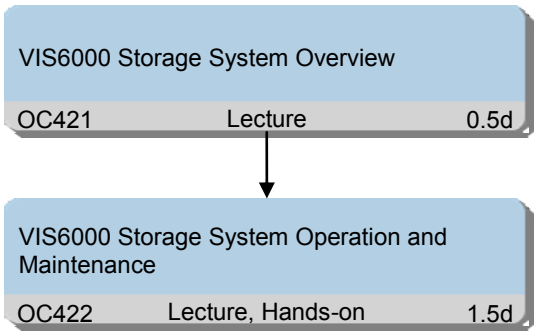
2 working day

Class Size

Min 6，max 12

6.1.4 VIS6000 Storage System Operation and Maintenance Training

Training Path



Target Audience

The program is intended for the personnel who are responsible for operation and routine maintenance of VIS6000 storage system.

Prerequisites

- Knowledge of telecommunications
- Knowledge of computer and computer network

Objectives

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

- Describe VIS6000 storage system architecture.
- Describe VIS6000 storage system functions.
- List VIS6000 storage system interfaces.
- Perform VIS6000 storage system operation.
- Perform VIS6000 storage routine maintenance.
- Check system status and identify system faults.
- Implement fault elimination operations.

Duration

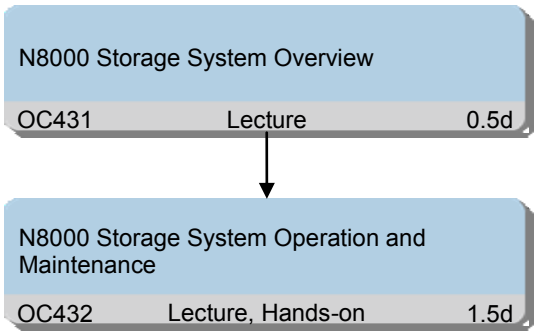
2 working days

Class Size

Min 6，max 12

6.1.5 N8000 Storage System Operation and Maintenance Training

Training Path



Target Audience

The program is intended for the personnel who are responsible for operation and routine maintenance of N8000 storage system.

Prerequisites

- Knowledge of telecommunications
- Knowledge of computer and computer network

Objectives

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

- Describe N8000 storage system architecture.
- Describe N8000 storage system functions.
- List N8000 storage system interfaces.
- Perform N8000 storage system operation.
- Perform N8000 storage routine maintenance.
- Check system status and identify system faults.
- Implement fault elimination operations.

Duration

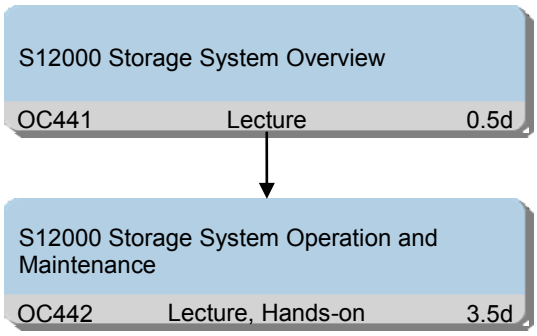
2 working days

Class Size

Min 6，max 12

6.1.6 S12000 Storage System Operation and Maintenance Training

Training Path



Target Audience

The program is intended for the personnel who are responsible for operation and routine maintenance of S12000 storage system.

Prerequisites

- Knowledge of telecommunications
- Knowledge of computer and computer network

Objectives

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

- Describe S12000 storage system architecture.
- Describe S12000 storage system functions.
- List S12000 storage system interfaces.
- Perform S12000 storage system operation.
- Perform S12000 storage routine maintenance.
- Check system status and identify system faults.
- Implement fault elimination operations.

Duration

4 working days

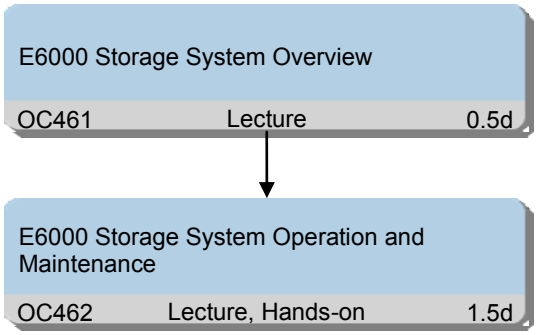
Class Size

Min 6，max 12

6.2 Server Training

6.2.1 E6000 System Operation and Maintenance Training

Training Path



Target Audience

The program is intended for the personnel who are responsible for operation and routine maintenance of E6000 system.

Prerequisites

- Knowledge of telecommunications
- Knowledge of computer and computer network

Objectives

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

- Describe E6000 system architecture.
- Describe E6000 system functions.
- List E6000 system interfaces.
- Perform E6000 system operation.
- Perform E6000 routine maintenance.
- Check system status and identify system faults.
- Implement fault elimination operations.

Duration

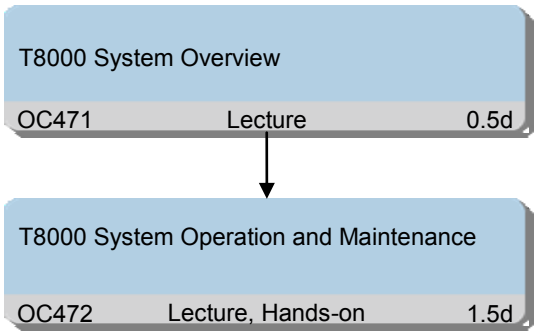
2 working days

Class Size

Min 6，max 12

6.2.2 T8000 System Operation and Maintenance Training

Training Path



Target Audience

The program is intended for the personnel who are responsible for operation and routine maintenance of T8000 system.

Prerequisites

- Knowledge of telecommunications
- Knowledge of computer and computer network

Objectives

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

- Describe T8000 system architecture.
- Describe T8000 system functions.
- List T8000 system interfaces.
- Perform T8000 system operation.
- Perform T8000 routine maintenance.
- Check system status and identify system faults.
- Implement fault elimination operations.

Duration

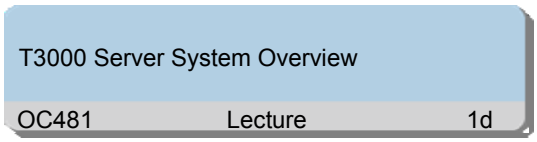
2 working days

Class Size

Min 6，max 12

6.2.3 T3000 Server System Training

Training Path



Target Audience

The program is intended for the personnel who are responsible for operation and routine maintenance of T3000 system.

Prerequisites

- Knowledge of telecommunications
- Knowledge of computer and computer network

Objectives

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

- Describe T3000 server system architecture.
- Describe T3000 server system functions.
- List T3000 server system interfaces.
- Perform T3000 server system operation.
- Perform T3000 server routine maintenance.
- Check system status and identify system faults.
- Implement fault elimination operations.

Duration

1 working days

Class Size

Min 6，max 1