

# 1 Training Programs

## 1.1 H3C Certification Training Programs

### 1.1.1 H3C Certified Network Engineer (H3CNE) Training — Constructing Medium and Small-sized Enterprise Networks (V5.0)

#### Object

- Anyone who wants to work on networking technologies and take H3C certification exams.
- Engineers of H3C agents.
- H3C certification teachers.
- O&M personnel and technical support personnel of H3C products.

#### Entry Requirements

- Skilled computer operation and Windows operation.
- Basic understanding of basic principles of the data communication network and common network equipment.
- Basic understanding of TCP/IP.

#### Objectives

After completing this training program, you will be able to:

- Grasp the basic principles of network communication and TCP/IP principles.
- Grasp the principles and configuration of the routers and Ethernet switches.
- Grasp the principles, configuration and maintenance of the WAN protocols.
- Grasp the basic working principles and configuration of routing protocols.
- Carry out the routine maintenance of the low-end and middle-end routers.
- Handle the common faults of network connection and software configuration of the routers.

#### Courses

No.	Name	Total duration (working day)	Practice duration (working day)
HL-001	Network Basics	0.2	
HL-002	TCP/IP and Subnet Planning	0.3	
HL-003	Common Network Interfaces and Cables	0.5	
HL-004	Ethernet Switch Basics and Configuration	0.5	0.25
HL-005	Router Basics and Configuration	0.5	0.25
HL-006	WAN Protocol Principles and Configuration	1	0.5
HL-007	Routing Protocol Principles and Configuration	1	0.5
HL-008	ACL and Address Translation	0.5	0.25
HL-009	DCC/ISDN Principles and Configuration	0.3	0.25
HL-010	Backup Center Principles and Configuration	0.2	

#### Contents

- Network basics and TCP/IP principles.

## H3C Technical Training Outline

- Common network interfaces and cables.
- Working principles and basic configuration of the routers and Ethernet switches.
- WAN protocol principles and configuration.
- Routing protocol principles and configuration.
- ACL and address translation.
- Dialing control center and ISDN.
- Backup center.

### Delivery

Lecture and practice.

### Duration

5 working days, where 2 for practice.