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1 Training Description

1.1.1 H3CSE-WLAN Training

Training Object

- Personnel who are interested in network technologies and H3C certification
- H3C's agent engineers
- H3C training partner's trainers
- H3C product O&M personnel and technical support personnel

Entry Requirements

- Trainees have participated in and passed the H3C Certified Network Engineer (H3CNE) examination.

Objectives

Upon completing this training, trainees will be able to:

- Be familiar with the WLAN technology system and theories and 802.11-related protocols.
- Be proficient in WLAN-related equipment features and applications.
- Be familiar with the basic features and configurations of H3C wireless products.
- Master WLAN survey and design principles.
- Master WLAN engineering implementation guidance and installation specifications.
- Master common troubleshooting methods in WLANs and products.
- Learn about the H3C iMC WSM component.

Courses

Course ID	Course Name	Total Duration of Course (Working Days)	Practical Operation Duration (Working Days)
CHWL-001	Background Knowledge of the WLAN Technology	0.060	0
CHWL-002	Fundamentals of Wireless Technologies	0.070	0
CHWL-003	802.11 Frame Format and Media Access Rules	0.250	0
CHWL-004	802.11 PHY Layer Protocols	0.250	0.125
CHWL-005	802.11 MAC-layer Protocols	0.250	0.125
CHWL-006	WLAN Devices	0.620	0.500
CHWL-007	H3C Wireless Products and Basic	0.650	0.250

	Configurations		
CHWL-008	Advanced Features and Configurations of H3C Wireless Products	0.650	0.500
CHWL-009	WLAN Survey and Design Guide	0.100	0
CHWL-010	WLAN Survey Solution Design for Indoor and Outdoor Scenarios	0.200	0
CHWL-011	Guide to WLAN Combination System Scheme	0.150	0
CHWL-012	WLAN Network Application Solution	0.200	0
CHWL-013	Guide to WLAN Product Installation and Implementation Specifications	0.200	0
CHWL-014	Wireless Product Troubleshooting and Management	0.200	0
CHWL-015	WLAN Optimization Overview	0.150	0
Total		4	1.5

Training Content

- Background knowledge of the WLAN technology
- Theories and principles of wireless technologies
- Major IEEE 802.11 protocol standards
- Product forms and basic principles of major WLAN equipment (Fat AP, Fit AP, wireless controller, and wireless bridge)
- Introduction, basic configurations, and major feature implementation principles of H3C wireless products
- WLAN survey design and operation guidance, introduction of common tools, indoor and outdoor survey design principles, and combination design for indoor distribution systems
- Common components for WLAN engineering implementation, engineering installation guidance, and engineering implementation standards
- Common network problem locating principles and methods, common WLAN problem handling methods, H3C iMC WSM component technologies, and common STA attributes

Training Mode

Class teaching and practical operation

Training Duration

4 working days, including 1.5 working days of practical operation