

HW-WLAN



HUAWEI CERTIFIED ICT ASSOCIATE - WLAN

DURATION	LEVEL	TECHNOLOGY	VERTICAL	DELIVERY METHOD	TRAINING CREDITS
5 Days	Associate	WLAN	ICT Infrastructure	Classroom	NA

INTRODUCTION

This five day course is aimed at individuals wanting to understand Huawei's WLAN products and technology. The curriculum covers WLAN basics, Control and Provisioning of Wireless Access Points (CAPWAP) protocol, WLAN networking, HUwei WLAN product features, security configuration, WLAN advanced technology, antennas, WLAN network planning and optimization and WLAN fault troubleshooting.

AUDIENCE PROFILE

This course is intended for individuals wanting to understand Huawei's WLAN products and technology.

PREREQUISITES

Before attending this course, delegates should:

- A general familiarity with PC operation system
- A basic understanding of computer technology
- HCIA certification or similar knowledge

COURSE OBJECTIVES

On completion of this course, participants should be able to:

- Demonstrate the basic understanding of small and medium-sized WLANs and general WLAN technologies
- Assist with the design of small and medium-sized WLANs
- Implement the designs using Huawei wireless controllers and AP devices.

COURSE CONTENT

Lesson 1 : WLAN Historical Overview

Lesson 2: WLAN Standards Bodies

Lesson 3: WLAN RF Principles Introduction

Lesson 4: WLAN Frequency Bands

Lesson 5: Huawei WLAN Product Introduction

Lesson 6: VRP Introduction and Basic Configuration

Lesson 7: The basic operation of the AC

Lesson 8: WLAN Topologies Introduction

Lesson 9: 802.11 Protocol Introduction

Lesson 10: 802.11 Physical Layer Technology

Lesson 11: CAPWAP Fundamentals

Lesson 12: WLAN Networking Introduction

Lesson 13: WLAN Network Configuration

Lesson 15: WLAN Layer 2 Network Configuration

Lesson 16: Huawei WLAN Product Features Introduction

Lesson 17: WLAN Roaming

Lesson 18: WLAN Security Introduction

Lesson 19: WLAN Access Security and Configuration Introduction

Lesson 20: WLAN Access Security Configure

Lesson 21: 802.11 MAC Layer Introduction

Lesson 22: 802.11 Media Access Control

Lesson 23: Antenna

Lesson 24: WLAN Layer 3 Network Configuration

Lesson 25: WLAN Basic Network Planning Introduction

Lesson 26: WLAN Planning Scheme and Typical Cases Introduction

Lesson 27: Huawei WLAN Planner

Lesson 28: eSight Function and Wizard Configuration Introduction

Lesson 29: Manual configure WLAN business use eSight

Lesson 30: eSight WLAN Maintenance

Lesson 31: WLAN Troubleshooting

Lesson 32: WLAN Troubleshooting Cases

ASSOCIATED CERTIFICATIONS & EXAM

The HCIA-WLAN V2.0 exam #H12-311 cover WLAN Basis and principle, Huawei WLAN product introduction and configuration, Fat AP and Fit AP architecture, WLAN Networking Introduction, Huawei WLAN product features and access security configuration, WLAN network planning and troubleshooting and so on.