

Customer Training Catalog Course Descriptions WLAN



HUAWEI
HUAWEI Learning Service
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1.1 Training Course Descriptions

WLAN Training Courses are designed as follows:

Code	Training Courses	Level	Duration (working days)	Training Location	Class Size
Principle Training Courses					
OXA01	WLAN System Overview Training	II	1		6 ~ 12
OXA02	WLAN Network Operation and Configuration Training	II	3		6 ~ 12
RNO Training Courses					
OXO01	WLAN Radio Network Planning and Optimization Training	III	4		6 ~ 12

1.2 Principle Training Course Descriptions

1.2.1 OXA01 WLAN System Overview Training



Objectives

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

- Describe the advantage of wireless network.
- Describe WLAN evolution process.
- Describe the channel of WLAN.
- Describe the characteristic for different protocol.
- Describe WLAN network structure.
- Describe the difference between FAT AP and FIT AP.
- Describe WLAN applied scene.
- Describe the equipments structure of the AP, AC, interfaces and function.
- Describe WLAN main auxiliaries.

Target Audience

ALL the customers

Prerequisites

- Basic knowledge of mobile communications

Content

- Wireless network basic concept
- WLAN basic concept introduces
- WLAN applies introduction
- The equipments structure of the AP, AC, interfaces and function

Training Methods

Lectures

Duration

1 working day

Class Size

Min 6, max 12

1.2.2 OXA02 WLAN Network Operation and Configuration Training



Objectives

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

- Describe the advantage of wireless network.
- Describe WLAN evolution process.
- Describe the difference between FAT AP and FIT AP.
- Describe WLAN applied scene.
- Describe the equipments structure of the AP, AC, interfaces and function.
- Describe WLAN main auxiliaries.
- Describe WLAN network structure and product overview.
- Perform the routine operation and maintenance.
- Perform configuration of MAG9811.
- Describe wSight system structure and product overview.
- Describe the physical and logical structure of the wSight.
- Perform the routine operation and maintenance of the wSight.

Target Audience

Operation and Maintenance Engineer, Second line Engineer, Technical Support Engineers

Prerequisites

- Basic knowledge of mobile communications

Content

- Wireless network basic concept
- WLAN basic concept introduces
- WLAN applies introduction
- WLAN CAPWAP tunnel
- WLAN roaming
- WLAN QoS
- WLAN access security
- The equipments structure of the AP, AC, interfaces and function
- WLAN main auxiliaries
- WLAN typical networking
- WLAN business principle
- Configuration of MAG9811
- MAG9811 routine operation and maintenance
- wSight system structure and product overview
- wSight routine operation and maintenance.

Training Methods

Lectures,Hands-on

Duration

3 working days

Class Size

Min 6, max 12

1.3 RNO Training Course Descriptions

1.3.1 OXO01 WLAN Radio Network Planning and Optimization Training



Objectives

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

- Describe WLAN typical Signaling Flow.
- Describe WLAN network design process and planning principle.
- Analyzing WLAN planning case.
- Describe WLAN network planning、array planning、data planning process and basic principle.
- Describe WLAN network optimization principle.
- Describe the way of WLAN network optimization.

Target Audience

Network Planning
Optimization Engineer

Prerequisites

- Basic knowledge of mobile communications

Content

- Introducing 802.11 Physical Layer
- Introducing 802.11 frame
- Media access control mechanism
- WLAN access mechanism

- WLAN signaling flow
- Difference between some authentication
- Difference between some encryption techniques
- WLAN network design process and planning principle
- WLAN planning case
- WLAN Installation Planning process and principle
- WLAN Installation planning case
- WLAN IP address planning
- VLAN planning
- SSID planning
- WLAN network optimization principle
- The way of WLAN network optimization
- Function of WLAN feature
- Configuration of WLAN feature

Training Methods

Lectures

Duration

4 working days

Class Size

Min 6, max 12

