

# Training Proposal for WLAN Project



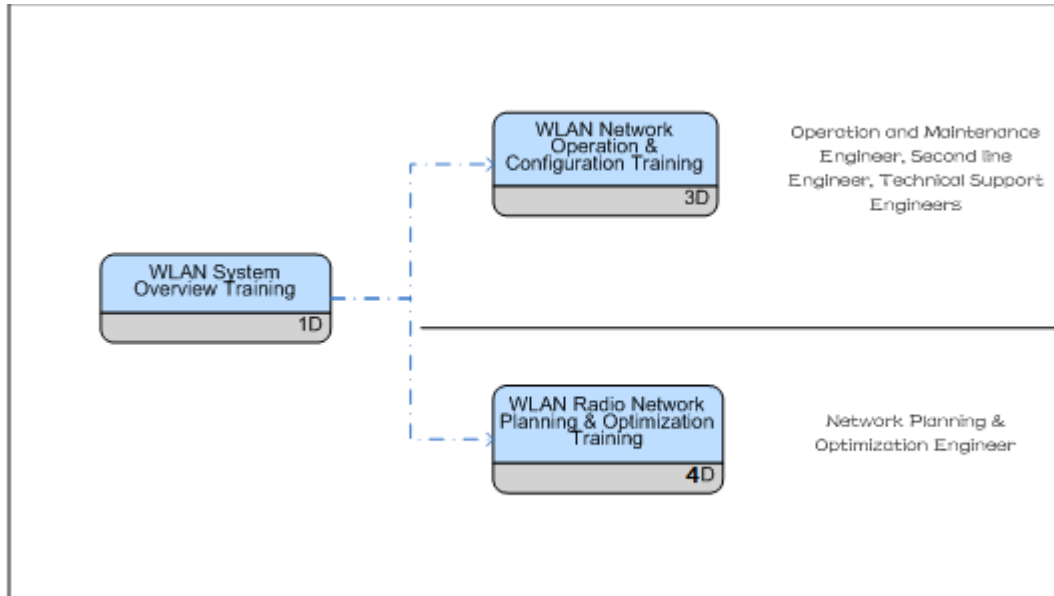
**HUAWEI**  
**HUAWEI Learning Service**  
2014

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# 1 Training Solution

## 1.1 WLAN Training Path



## 1.2 Required Training Programs

WLAN For this project, the whole training solution is designed into the following programs. List of Training Program(s) for WLAN Project:

Training Program	Program Level	Duration (workdays)	Training Location	Class Size
<b>Principle</b>				
WLAN System Overview Training	II	1		6 ~ 12
WLAN Network Operation and Configuration Training	II	3		6 ~ 12
<b>RNO</b>				
WLAN Radio Network Planning and Optimization Training	III	4		6 ~ 12

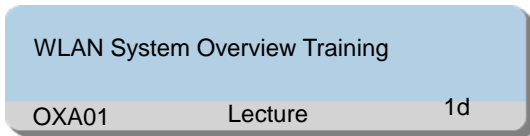
Level Description: I : Basic Course II : Intermediate Course III: Advanced Course IV: Expert Course

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## 1.3 Principle

### 1.3.1 WLAN System Overview Training

#### Training Path



#### Target Audience

ALL the customers

#### Prerequisites

- Basic knowledge of mobile communications

#### Objectives

On completion of this program, 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.

#### Training Content

##### OXA01 WLAN System Overview Training

- WLAN Basic Knowledge
  - Wireless network basic concept
  - WLAN basic concept introduces
  - WLAN applies introduction
- MAG9811 WLAN Product Description
  - The equipments structure of the AP, AC, interfaces and function

#### Duration

1 working day

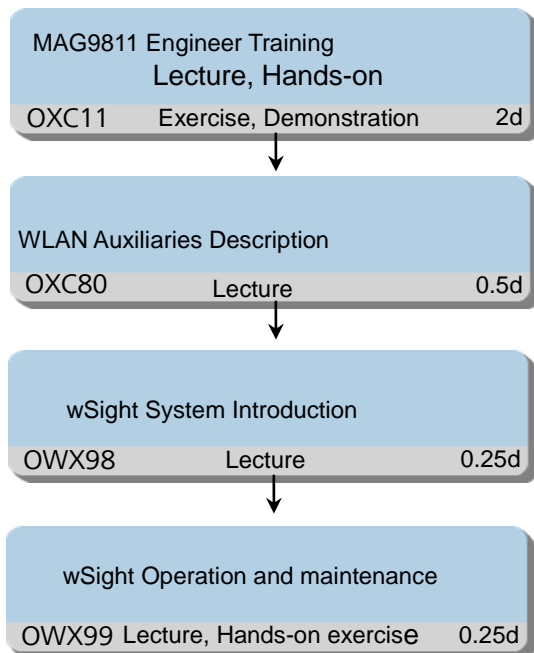
#### Class Size

Min 6, Max 12

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## 1.3.2 WLAN Network Operation and Configuration Training

### Training Path



### Target Audience

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

### Prerequisites

- Basic knowledge of mobile communications

### Objectives

On completion of this program, 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.

### Training Content

OXA02 WLAN Network Operation and Configuration Training

- WLAN Basic Knowledge

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- Wireless network basic concept
  - WLAN basic concept introduces
  - WLAN applies introduction
  - MAG9811 WLAN Product Description
    - The equipments structure of the AP, AC, interfaces and function
  - WLAN Auxiliaries Description
    - WLAN main auxiliaries
  - WLAN Networking and Data configuration
    - WLAN typical networking
    - WLAN business principle
    - Configuration of MAG9811
  - WLAN Routine Operation and Maintenance
    - MAG9811 Routine operation and maintenance methods.
  - wSight Operation and maintenance
    - wSight System overview
    - wSight Routine Operation and maintenance methods.

Duration

3 working days

Class Size

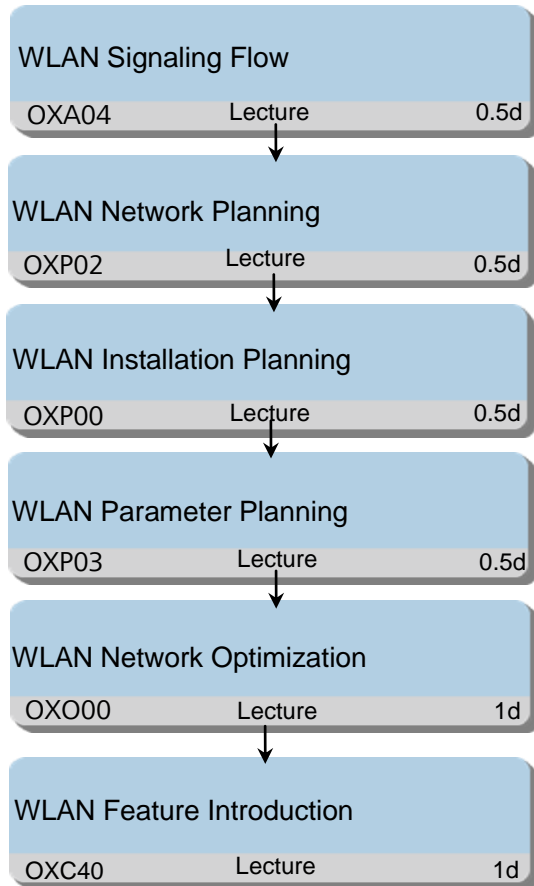
Min 6, Max 12

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## 1.4 RNO

### 1.4.1 WLAN Radio Network Planning and Optimization Training

Training Path



Target Audience

Network Planning  
Optimization Engineer

Prerequisites

- Basic knowledge of mobile communications

Objectives

On completion of this program, 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.

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- Describe the way of WLAN network optimization.

#### Training Content

##### OXO01 WLAN Radio Network Planning and Optimization Training

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

#### Duration

4 working days

#### Class Size

Min 6, Max 12



