



# WMNGI: Managing Cisco Wireless LANs v1.1

Course ID#: 1575-975-ZZ-W

Hours: 21

## Course Content

### Course Description:

Learn to configure, monitor, and troubleshoot Cisco Unified Wireless Network devices using Cisco Prime NCS.

This course is designed to prepare you to use the Cisco Unified Wireless Network management products and applications to configure, administer, manage, troubleshoot, and optimize the network.

In this course, you will learn to configure, monitor, and troubleshoot Cisco Unified Wireless Network devices using Cisco Prime NCS and to configure, administer, manage, and troubleshoot guest access and mobility services. You will learn how to integrate Cisco Identity Services Engine (ISE) with Cisco NCS, and after a quick overview of the Cisco Unified Wireless Network management products and applications, you will learn how to install high availability and firewall support for Cisco NCS. You will discover how to give users the appropriate permissions and restrictions for using Cisco NCS, and investigate how to use Cisco NCS to configure components and services for your network.

### Target Student:

Cisco network planners, network managers, network administrators, TAC personnel, network consulting engineers, field engineers, technical marketing engineers, optimization engineers, project managers, product sales specialists, business development managers, channel partners, and channel partner account managers

### Prerequisites:

- Knowledge of basic networking principles
- Basic knowledge about RF
- General network management experience
- Knowledge of Cisco Lifecycle Services
- Basic Microsoft Windows, Windows networking, and Internet browser navigation skills
- CUWN - Cisco Unified Wireless Networking v7.2



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## Topics:

### Module 1: Cisco Unified Wireless Network Management Solutions

- Lifecycle Management
- Cisco Prime Network Control System
- Cisco Mobility Services Engine
- Cisco Secure Access Control Server and Cisco Identity Services Engine

### Module 2: Network Management System Configuration

- Configuring High Availability and Firewall Rules for the NCS
- Managing Administrative Users
- Navigating NCS
- Using the Maps Tool
- Using the Planning Tool

### Module 3: Component Configuration through the NCS

- Configuring Components through the NCS Configuration Tab
- Working with Controller and Switch Location Templates
- Working with AP Configuration and Migration Templates
- Setting Up Auto-Provisioning and Scheduling Configuration Tasks

### Module 4: Guest Access

- Defining Guest Access Methods
- Configuring Guest Access Features through the NCS

### Module 5: Mobility Services

- Configuring and Integrating the MSE
- Configuring and Tuning Context-Aware Services
- Tracking Mobile Clients
- Supporting Context-Aware Services
- Troubleshooting Context-Aware Services
- Configuring Adaptive Wireless IPS

### Module 6: NCS Maintenance and Troubleshooting Tasks

- Performing Maintenance Operations
- Troubleshooting NCS Operation Issues

### Module 7: Network Monitoring and Troubleshooting

- Monitoring and Troubleshooting the Network
- Managing Network Performance

### Lab Outline

- Lab 1: Adding Users
- Lab 2: Customizing a Home Page
- Lab 3: Using the Map Tool
- Lab 4: Using the NCS Planning Tool
- Lab 5: Adding and Configuring Controllers and APs Using Templates
- Lab 6: Configuring Guest Access via NCS
- Lab 7: Configuring Context-Aware Services
- Lab 8: Using Context-Aware Services
- Lab 9: Troubleshooting NCS Operational Issues
- Lab 10: Monitoring and Troubleshooting Controllers, APs, and Rogue APs
- Lab 11: Reports