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Conducting Cisco Unified Wireless Site Survey v1.0

Keyword: CUWSS

5 Days – List Price \$3,295

Course Description

Conducting Cisco Unified Wireless Site Survey (CUWSS) v1.0 is a five-day day instructor-led course, designed to help students prepare for the CCNP[®] wireless certification, a professional-level certification specializing in the wireless field. The goal of the course is to provide students with information and practice activities to prepare students to technically plan and conduct a wireless site survey. Upon completion of the class you should be able to design the RF network and conduct a post-installation assessment to ensure compliancy. The CUWSS training class reinforces the instruction by providing you with hands-on labs that range from configuring a Cisco WCS with a building and floor plan of the facility and plan a site survey, perform a Layer 1 sweep with Cisco Spectrum Expert, use Cisco Spectrum Expert Device Finder to locate an interfering device, configure AirMagnet Survey PRO to perform a site survey of a facility for an 802.11g/n Wi-Fi installation, configure an access point and AirMagnet Survey PRO, and then conduct a site survey for VoWLAN using the 802.11a frequency band to support Cisco Unified Wireless IP Phones 7921 or 7925, configure an access point and AirMagnet Survey PRO for an 802.11n (greenfield mode) site survey, and build a calibration model for location based services and apply it to a floor in WCS.

Laptops are provided to participate in the hands-on labs. If you desire to use your own laptop, please bring a laptop computer with an available 32-bit CardBus slot and an Ethernet port as well as an internal wireless NIC, 802.11a/b/g. The laptop's operating systems must be either MS Windows 2000 (SP4) or XP. The laptop should also have a 9-pin serial port or USB to serial adapter. IN ADDITION, you will need administrator rights to the laptop to install drivers for the wireless client used in class.

You Learn...

After completing this course, the student should be able to:

- Describe the requirements for preparing for a site survey
- Describe the requirements for planning a site survey
- Perform a site survey for data, voice, and location applications
- Determine the placement of the access points for data, voice, and location applications
- Assess the deployment of the WLAN

Who Would Benefit

The Cisco Wireless Networking Site Survey class is targeted toward technical engineers and IT professionals tasked with performing or overseeing site surveys for wireless LAN solution implementations.

Prerequisite

- Implementing Cisco Unified Wireless Networking Essentials (IUWNE)
- Interconnecting Cisco Networking Devices Part 1 (ICND1)
- Interconnecting Cisco Networking Devices Part 2 (ICND2)

Follow-On Courses

- Implementing Advanced Cisco Unified Wireless Security (IAUWS)
- Cisco Wireless Mesh Networking (CWMN)
- Cisco Advanced Wireless Bridging Lab (CAWBL)
- Cisco Unified Wireless Networking (CUWN)

Course Content

Module 0 – Introduction

Module 1 – Prepare for the Site Survey

- Identifying Site Survey Requirements for Different Vertical Industries
- Identifying Customer Requirements
- Identifying Regulatory Issues
- Identifying Safety and Aesthetic Requirements
- Understanding Logistical Considerations

Module 2 – Plan for the Site Survey

- Selecting the Proper Survey Model
- Determining the Proper Deployment Characteristics
- Specifying the Tools Necessary to Complete a Site Survey
- Defining Site Survey Documentation

Module 3 – Conduct the Site Survey

- Producing a Predictive Site Survey
- Conducting a Layer 1 Site Survey
- Conducting a Layer 2 Site Survey for Data
- Conducting a Layer 2 Site Survey for Voice Applications
- Conducting a Layer 2 Site Survey for 802.11n Clients
- Conducting a Layer 2 Site Survey for Location

Module 4 – AP and Controller Density and Licensing

- Determining the Infrastructure Requirements for the WLAN
- Determining the WLAN Equipment and Licenses

Module 5 – Assessment of the Deployment

- Verifying the RF Coverage
- Verifying WLAN Readiness
- Presenting an Installation Report