



To register for this course, go to www.giga-wave.com, or call 210-375-0085

Voice over Wireless LAN v1.1

Keyword: VoWLAN

3 Days – List Price \$2,395

Course Description

This course includes instructor-led training and instructor-assisted hands-on labs. The curriculum is designed to give students the fundamental skills necessary to effectively design, deploy, and troubleshoot a VoWLAN solution. The VoWLAN course builds on the foundational skills taught in Cisco Wireless LAN Fundamentals and Cisco Voice with emphasis on developing skills utilizing Cisco Unified Wireless IP Phone 7920 and 7921G, Nokia E-Series Phones, VoWLAN endpoints, site survey, wireless infrastructure, security, call control, and troubleshooting.

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:

- Select the proper VoWLAN handset for designing, implementing VoWLAN
- Describe the necessary steps to conduct a site survey for WLANs using VoWLAN handsets
- Describe detailed technical features, functions and benefits of the voice over WLAN product offerings available from Cisco
- Install and configure Cisco products for VoWLAN applications

Who Would Benefit

The Voice over Wireless LAN course is targeted to Internal Cisco and Channel External SE's and FE's working in the wireless field who possess knowledge and functions of both voice and wireless components and seek to add more advanced concepts to their knowledge. In addition system engineers and field engineers, who need to know how to design, deploy, troubleshoot, and support voice over wireless networks or tasked with performing or overseeing site surveys for voice over WLAN solution implementations.

Prerequisites

- Cisco Wireless LAN Fundamentals (CWLF)
- Cisco Wireless LAN Advanced Topics (CWLAT)
- Cisco Voice over IP (CVOICE)

Follow-On Courses

- Cisco Aironet WLAN Security (CWLS)
- Cisco Wireless Networking Site Survey (CWNSS)
- Cisco Unified Wireless Networking (CUWN)
- Cisco Wireless Mesh Networking (CWMN)
- Cisco Advanced Wireless Bridging Lab (CAWBL)

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Course Content

Module 0 -- Introduction

Module 1 – Voice over Wireless LAN IP Phones

- Describing the Framework
- Introducing Voice over Wireless IP Phones
- Lab 1-1: Getting Connected

Module 2 – Site Survey

- Gathering the Deployment Requirements for a Site Survey
- Introducing Manual Site Survey Tools and Utilities

Module 3 – WLAN Infrastructure

- Describing the VoWLAN Infrastructure
- Describing Call Control
- Lab 3-1: Cisco Wireless LAN Controller System Setup

Module 4 – WLAN Configuration

- Describing Configuration Basics
- Configuring the WLAN Controller
- Configuring Infrastructure Devices
- Configuring Cisco Unified Wireless IP Phone 7920
- Configuring Cisco Unified Wireless IP Phone 7921G
- Configuring Voice Communications
- Troubleshooting Voice for WLAN
- Lab 4-1: Calling with CallManager
- Lab 4-2: Configure the AAA Server
- Lab 4-3: Configuring the Controller via Cisco WCS
- Lab 4-4: Managing the WLAN from Cisco WCS
- Lab 4-5: Monitoring Security with Cisco WCS
- Lab 4-6: Verify CME Configuration
- Lab 4-7: Register Phones with CallManager Express