



The market leader in Communications Training

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# Wireless LAN Design & Installation

3-day course

Today's increasingly mobile workforces need highly portable business tools to enhance their working practices. Personal digital assistants, palmtop PCs and cellular communications are converging to form the 'communicator' of tomorrow and industry giants such as Apple, Ericsson, IBM, Intel and Microsoft are already injecting significant levels of investment into mobile technology and applications.

Designed for professionals involved in planning, installing and implementing wireless LAN technologies for corporate communications networks, this 3-day programme gives a comprehensive introduction into the location and installation of wireless LAN equipment. Content is a balanced blend of technical information and includes site survey, methodologies/considerations, using both software and hardware tools. A design, installation and testing project on the third day, allows delegates to implement the information gained over the first two days.

#### Introduction to Wireless LANs

- Advantages & limitations of wireless applications

#### Antennas & RF transmission principals

- Spectrum ranges and power issues

#### Signaling Techniques

- Spread spectrum technology & OFDM

#### Standards

- IEEE 802.11 standards and Bluetooth

#### Introduction to network

- Protocols
- TCP/IP
- IP addressing
- WLAN frame format

#### Security

- Discussion of WEP insecurities using WLAN scanners & hardening of wireless networks

#### Site survey

- Practical design, implementation & troubleshooting of WLANs using major manufacturers equipment

70% Theory 30% Practical



#### ▶ Qualification

BTEC Professional Award in Wireless LAN  
Design & Installation

BICSI CECs: 21 Installation, 21 RCDD & 21 LAN  
CNet Certificate

#### ▶ Who should attend

Professionals involved in the planning, management, procurement, installation, and implementation or use of corporate communication networks or information services, and specialists, marketers and products managers from the supply industry

#### ▶ Related Training

LAN Design & Implementation  
BICSI RCDD

#### ▶ Course objectives

To prepared delegates to specify, install and select wireless network products and services

#### ▶ Prerequisites

Knowledge of basic PC commands such as telnet, hyperterminal and ping

#### ▶ Course Location

Knowledge Village  
Dubai



+971 4 3658406

+971 4 2997676

Tel: 0870 112 6403

[www.cnet-training.com](http://www.cnet-training.com)

[info@cnet-training.com](mailto:info@cnet-training.com)