



Certified *Wireless* Network Professional

## Authorized Learning Partner - ALP



WiFi Certification Presentation

VoWiFi Professionals UK Ltd in cooperation with  
7LAB





# Who is CWNP?



**CWNP is the IT industry standard for enterprise Wi-Fi certification and training since 2001.**

- ✓ Certifications from entry-level to expert
- ✓ Wi-Fi professionals certified in 140+ countries
- ✓ Partnered with many Wi-Fi vendors and VARs
- ✓ Customers in all major industries and Gov't agencies

[www.cwnp.com](http://www.cwnp.com)



# CWNP Certification Roadmap



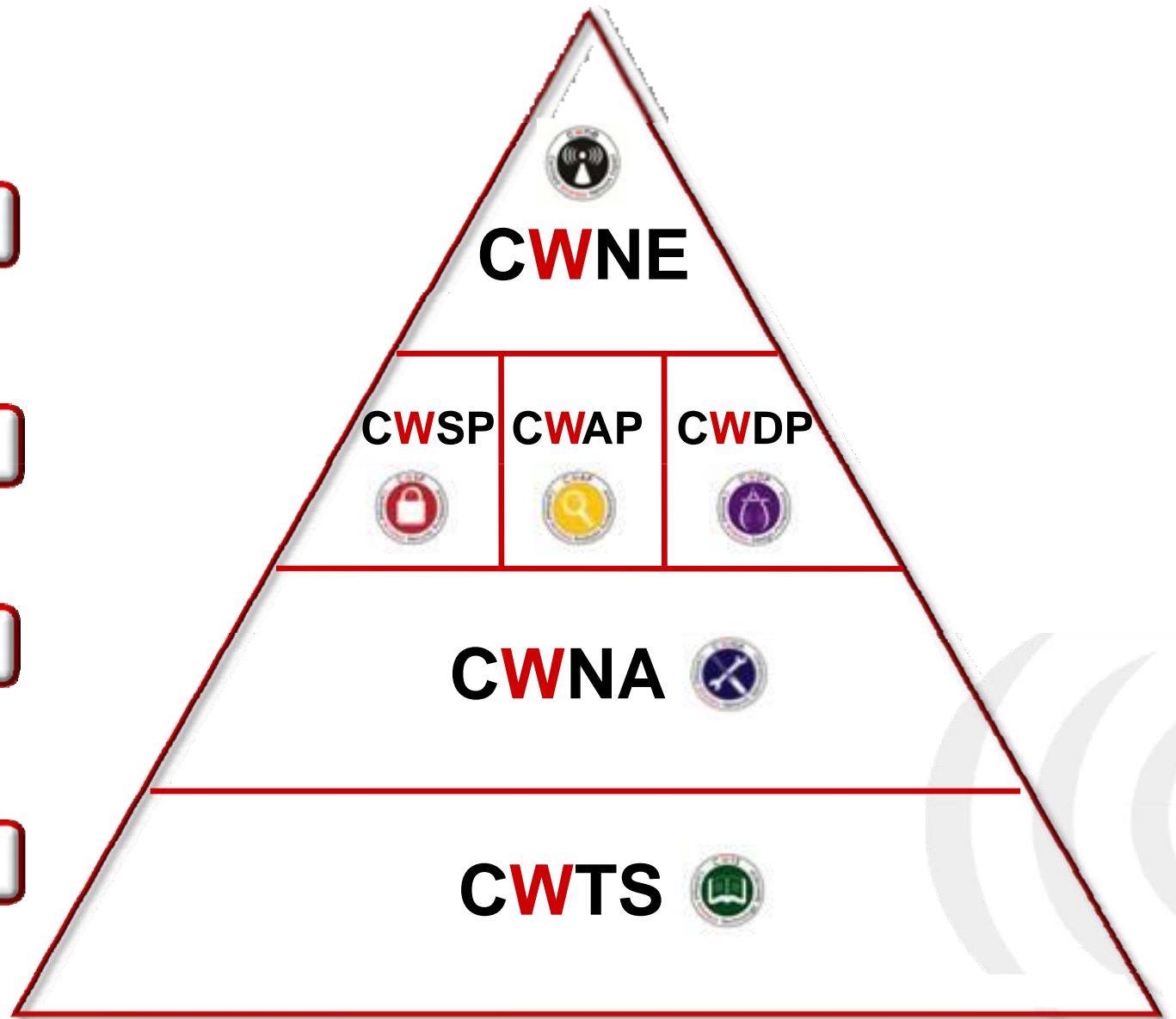
Expert



Professional

Administrator

Entry-Level





# All about **CWNP** Classes



## CWNP offers 4 Certification Training Classes:

- ✓ **CWTS** – Technology Specialist
- ✓ **CWNA** – Network Administrator
- ✓ **CWSP** – Security Professional
- ✓ **CWAP** – Analysis Professional
- **CWDP** – Design Professional (Coming Q2 - 2012)
- ✓ **CWNE** – Wireless Network Expert (N/A)

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# CWTS: Wi-Fi Fundamentals



## Entry Level

Same level of difficulty as CompTIAA+  
What Wi-Fi is, not how Wi-Fi works  
All about the terminology

## Format

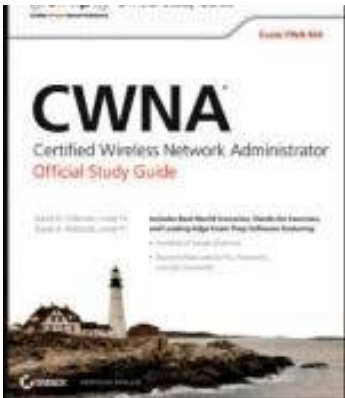
2-days of Training – Classroom or Online  
Lecture Only  
Class includes exam voucher

## Target Audience

- Sales Professionals, Project Managers,
- Newbies → Engineers
- **A+ clients, Telecoms, Government**



# CWNA: Wi-Fi Administrator



## Admin Level

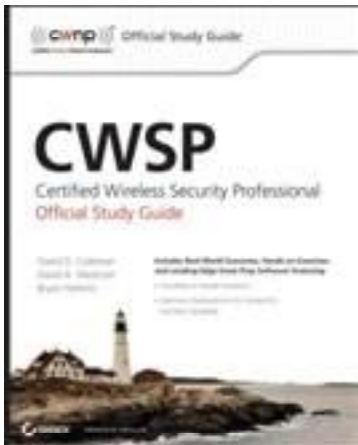
- Cisco CCNA level of difficulty
- VERY BROAD, foundational RF
- Net+ or CCNA *knowledge* required

## Format

- 5 days of training, 30% labs
- 802.11n covered thoroughly
- Pre-req. to all P level CWNP classes

## Target Audience

- **Network Administrators, Net+, CCNA; All net engineers need Wi-Fi**
- **Healthcare, Education, Military, Warehousing, Retail**



## Wi-Fi Security

- Requires CWNA-level knowledge
- RF security isn't harder, just different
- Wi-Fi Security always a hot topic

## Format

- 4 days of training, 50-60% labs
- Deep into how Wi-Fi Security works
- Most don't know what they don't know

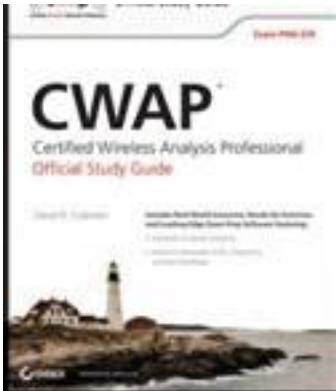
## Target Audience

- **Anyone CCNA and higher**
- **CWSP class = 35 CISSP CPEs**
- **Gov't, CISSP, Retail (PCI compliance), Healthcare (HIPAA), Financial Providers**





# CWAP: Wi-Fi Analysis



## Analysis Level

- Requires CWNA-level knowledge
- Sniffers, Packet Analyzers AirMagnet, WireShark, OmniPeek

## WHY?

- Many Wi-Fi networks installed poorly
- New apps, devices → poor performance or failure
- Knowing how the Wi-Fi is *supposed* to work helps security and design.

## Format

- 4 days of training, Labs dominate class time
- Spectrum Analysis + Packet Analysis
- Deep into the 802.11 standard, protocol





# CWDP: Wi-Fi Design



## Design Level

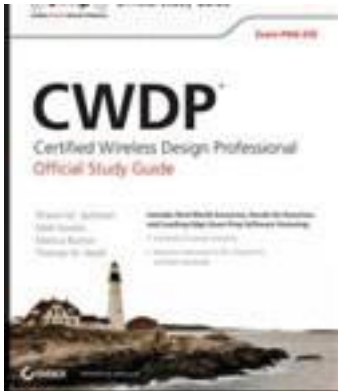
- Requires CWNA-level knowledge
- Advanced Site Surveying
- Many different RF environments

## WHY?

- Different applications require different design
- VoWi-Fi, Video, RFID
- Outdoor vs. Indoor
- High capacity (stadium) vs. Healthcare

## Format

- 3 days of training, Labs dominate class time
- Design of applications
- Design for vertical markets
- Advanced Site Surveying





# CWNE: Wi-Fi Expert



## Advanced Level

- Final step to becoming a WLAN expert; proving you have the most advanced skills available in today's wireless LAN market.

## WHY?

- Protocol Analysis
- Intrusion Detection/ Prevention
- Spectrum Analysis & Management
- QoS Analysis & Advanced Design

## Format

- Application,
- References,
- Experience,
- Annual Continuing Education



# The five step path to achieving the CWNE certification

Expert



Design



Secure



Troubleshoot

Earn all 3 Professional Level Certifications to earn CWNE

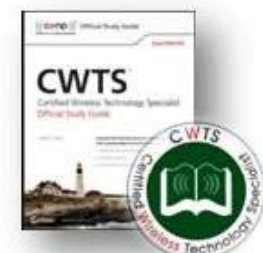


Comprehend

Network engineers and administrators, begin with CWNA to gain the foundational RF knowledge required to implement and manage enterprise Wi-Fi. CWNA is required for CWSP, CWAP, CWDP, and CWNE.

Begin

Newbies, non-techies, project managers, and technical sales professionals, start your wireless career with CWTS.





# Careers for CWNPs



What are the jobs/titles for CWNP Certified Professionals?

- ✓ Wireless Network Installer
- ✓ Network Administrator
- ✓ Network Security Administrator
- ✓ Site Surveyor
- ✓ Network Designer
- ✓ Sales Engineer
- ✓ Network Analyst
- ✓ Technical Support



# Why CWNP?



**Vendor Neutral** – Technology-focused training, devoid of vendor ideology and interests, prepares IT staff to work intelligently with any vendor's products.



**Industry Standard** – Certifications and training from novice to expert that are globally respected



**Increasing Complexity** – New complex technologies and applications require technical training. Enterprise Wi-Fi is *not* plug-n-play.



**CWNP** is the IT industry standard for vendor neutral enterprise Wi-Fi certification & training.

