

**Charles Preston**  
**Comsec Wireless**

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### ***WLAN and wireless communications***

- Site survey and RF design of large wireless LAN networks for hospitals as large as 590 beds, including the use of LanPlanner indoor propagation prediction software, testing and analysis with spectrum analyzers, Ekahau ESS and AirMagnet, AiropEEK and Etherpeek NX and InFielder software.
- Site survey and RF design of WLANs for U.S. Govt. facilities with mandated wireless security standards
- Class instructor for WLAN site survey/planning.
- CWNP Learning Partner (as Comsec Wireless)
- FCC licensed work experience in land mobile radio communications.
- High frequency and LEO satellite communications in amateur radio.

### ***Information security consulting***

- Sole consultant and member of consulting teams for leading global corporations in the banking, financial services, transportation, communications, computer, and pharmaceutical industries, smaller private companies and local government, including risk assessment and system integrity. Personal participation/management in system vulnerability assessment and penetration testing.
- Participation in information warfare studies for branches of the U.S. DoD.
- Studies of new information protection technologies for a U.S. DoE computer laboratory.
- Information security policy for large financial corporation - team member.
- Created high-level information security policy for a state government department.
- Performed forensic and data recovery work for law enforcement and civil cases.

### ***Information technology***

- As a Microsoft and Novell certified trainer, taught numerous certification classes.
- Developed and presented seminars on computer security in the U.S. and a dozen other countries.
- Administered, diagnosed and repaired networked systems.
- Author of articles in international publications on data recovery and security.

### ***Electronic surveillance***

- Electronic eavesdropping countermeasures and telephone switch privacy assessments.
- Designed and installed security and covert wireless video surveillance.

### ***Technology certifications achieved***

Certified Technical Trainer, Certified Wireless Network Administrator, CompTIA A+ & N+, Microsoft Certified Trainer, Microsoft Certified Systems Engineer, Certified Novell Instructor, Certified Novell Engineer, Federal Communications Commission commercial radio/radar technician, FCC Amateur Extra Class license.

### ***Professional associations***

Institute of Electrical and Electronics Engineers Communications Society, IEEE Antennas and Propagation Society, Association for Computing Machinery, American Society for Industrial Security, Association of Information Technology Professionals