

**Jay Thompson**  
**Mesa AZ / Pittsboro IN**  
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### **Knowledge – Skills – Abilities**

Two-way radio / paging / satellite technology / TV audio-video production / IT server and desktop support / networking / database programming / website design and hosting

### **EXPERIENCE**

#### RFI investigator - RF Authority; Plano, TX

Location and mitigation of RF interference on Verizon's LTE network in Los Angeles.

#### Senior field engineer - Ira Wiesenfeld and Associates; Dallas, TX

Installed and serviced paging and public safety radio systems, both single site and simulcast. Instructor for ETA and TRNI courses. Site surveys, field strength measurements, user needs analysis, system design and implementation.

#### Technical editor / instructor - Dover Telecommunications Services; Cedar City, UT

Editing and developing training manuals and online content for cellular carriers and public safety agencies. Instructor for classroom training.

#### US Departments of Homeland Security and Health and Human Services

Communications Unit Leader - Disaster Medical Assistance Team CA-4

Deployed for national emergencies including counter terrorism missions and multiple hurricanes. In charge of all IT and communications gear for 36 person team, including portable, mobile and base station radios, satellite phone, electronic medical record system and related networking components.

#### Special projects engineer – Bearcom; Garland, TX

Designed and installed repeater systems at special events such as ESPN X games, Academy Awards, Rose Bowl, etc. Performed site surveys for RF coverage, frequency scans, FCC license applications and designed channel plans for users. Installed video, radio and voice over IP systems and 2.4 / 5 GHz backhauls, point to multipoint and mesh links for local and web based viewing of surveillance video from fixed and pan-tilt-zoom cameras. Changed existing setup from multiple repeaters with individual antennas to single antenna system using combiners and multicouplers to reduce setup time. Created software based all call radio system for ESPN that saved \$9,000 in hardware costs. Relocated winter X games radios system to save over \$5,000 in scaffold and generator costs.

#### IT and technology consulting

Providing IT consulting to businesses including medical offices, legal firms and public safety agencies. Providing web design and hosting, software and hardware installation and support, including server installation, wireless LAN technology and PC hardware support.

Partner / cofounder of Netsurf USA, a multi-county wireless ISP in southern Indiana.

Freelance RF audio / video tech for ESPN and ABC. RF 1 and 2 on numerous golf shows, X games, Rose and Fiesta Bowls and the Indy 500. System setup and maintenance of wireless

mics, PL and IFB systems, microwave transmitter / receiver packages for video cameras. Assisted in re-engineering ESPN's wireless mic / RF systems to improve reliability.

#### IndyCar manager - Racing Radios; Forest Park, GA

Provided sales and tech support for radios systems and related accessories to racing teams. Designed systems and equipment for use in high noise / EMI environment. Designed and installed first fuel telemetry system used in Indy Car racing. Implemented frequency coordination plans for race teams. Established over 300 racing team accounts for Racing Radios and implemented advertising agreement with sanctioning body.

#### Field service technician - Motorola; San Diego, CA

Serviced mobile and base station units, conventional and trunked repeater systems, dispatch consoles, DC and tone remotes and other related systems, with experience on public safety systems.

#### **Class instructor at IWCE 2013-2019**

Co-author of [General Communications Technician](#) levels 1 and 2, [Mobile Communications Equipment Installer](#) and [Radio Frequency Interference and Mitigation](#)

#### **Education**

Associates Degree in Criminal Justice, Indiana University  
Associates Degree in Electronics, Mesa College, San Diego  
San Diego County Sheriff's Reserve Academy  
US DHS ICS 100, 200, 300, 400, 700 and 800  
MGT-315 – Homeland Security threat and risk management  
DHS COML and COMT– All hazards communications unit leader class  
FEMA / DHS training  
IS-836 – Nuclear / Radiological Incident response  
IS-546a – Continuity of Operations  
IS-704 – NIMS communications and information management

#### **Licenses and Certifications**

FCC General Radiotelephone Operator License  
Extra class amateur license KC9VTT  
ETA certificates - Wireless Communication MSS, Antenna Line Sweeping, DAS design, General Communications Technician 1 and 2, Microwave Radio Tech

#### **Awards**

Emmy for Outstanding Technical Remote Video Engineering, Summer X games  
ETA technician of the year for 2016

#### **Community involvement**

Pittsboro IN redevelopment commission  
Hendricks county IN communications advisory board