

Danny L. Sudduth

Significant Experience

Dan has had a "hands on" career in telecommunications and continues that mode of operation at Utility Telecom Consulting Group. Joining our team in 1999, he has designed, engineered, installed and tested a wide variety of electronic communication and SCADA systems, ranging from analog microwave, through the latest digital microwave and fiber networks. In prior positions Dan has repaired and maintained two-way radio, power line carrier, multiple address radio, SCADA terminals, telephone PBX and voice mail, OC-1, OC-3, OC-12, OC-48 SONET and DS-1, DS-3 digital multiplexers and other associated electronic equipment. Of significance, this wide range of experience is with critical communications systems supporting gas and electric power system operation.

At Utility Telecom Dan has used this wide range of experience to assume larger responsibilities with microwave path verification, outside plant fiber work, lighting and grounding protection systems along with all aspects of site construction and field management tasks. He has prepared FCC licenses, RFPs for equipment, negotiated sharing agreements and served as project manager on several telecom construction projects.

Experience Prior to Utility Telecom

- **Electronic Technician -** Platte River Power **1990-1999**
Engineer, design, install and test digital and analog microwave radio paths. Design, install test and maintain DS0, DS1, DS3 and analog circuits. Installation, repair and maintenance of telecommunication equipment, including, two-way radio, powerline carrier, multiple address radio, supervisory control remote terminal units, telephone PBX and voice mail, OC-1, OC-3, OC-12, OC-48 SONET multiplexers, and other associated electronic equipment. Management of microwave baseband for efficient use of bandwidth. Preparation of FCC licensing applications and renewals (frequency coordinator). Preparation of RFP and contract for digital SONET microwave radio paths. Project Manager for SONET radio project. Negotiation of microwave sharing agreements and site lease contracts.
- **Senior Electronics Technician** Denver Police Department **1989-1990**
Installation, repair and maintenance of communications equipment, including; microwave radio, fixed, mobile and portable UHF radio and associated consoles and auxiliary equipment. Maintenance of equipment records and parts inventory. Participation in the implementation of 800MHZ trunked radio system.
- **Electronic Working Foreman** Arizona Electric Power Cooperative **1984-1989**
Planning, scheduling and performance of installation, troubleshooting, repair and maintenance of microwave radio, multiplex, fixed and mobile UHF and VHF radio, telemetering and telephone systems. Supervision, training and work assignments for Electronic Technicians. Preparation and update of wiring diagrams and prints. Design and construction of circuits for special applications. Servicing of batteries, battery chargers, generators and waveguide dehydrators.
- **Electronic Technician** Arizona Electric Power Cooperative **1980-1984**
Installation, repair, troubleshooting and maintenance of microwave radio, multiplex, fixed and mobile UHF and VHF radio, analog and digital telemetering, electronic relaying, PBX and key telephone systems. Servicing of batteries, battery chargers, generators and waveguide dehydrators.

- **Service Manager** Master Communications, Tucson, Arizona **1979-1980**
Scheduling of installation and maintenance of two-way radio mobiles and base stations.
Supervision and evaluation of installers and technicians. Maintenance of spare parts inventory and equipment records.
- **Electronic Mechanic Radio/Radar** Colorado Air National Guard **1972-1979**
Maintenance of electronic equipment including wideband radio and search radar.

Current Position Field Engineer

Education

High School, United States Air Force, Air National Guard and numerous technical equipment and systems training programs with a wide variety of two-way radio, microwave and fiber equipment.

Licenses

FCC General Radio Telephone