



XEC Solutions, LLC

Expedite. Experience. Exposure.

Network Systems Engineer/Architect

General Function

This is a professional technical position that performs planning and design of voice, data, and trunked radio network communications for all County departments and Elected Officials. A person in this classification establishes standards and methods for voice, data, and trunked radio network communications, defines the strategic direction for electronic communications, microwave systems, and provides consulting services to all County departments, Elected Officials and State agencies.

Responsibilities

- Develops network requirements from customer needs, defines functional and technical specifications and architects a suitable network infrastructure design. Obtains quotes for the procurement of these networks.
- Performs project management for networks planned and under construction. Acquires hardware and software to support the network requirements.
- Provides second tier support for problem resolution and interfaces with vendors, telephone companies and County departments, Elected Officials and State agencies.
- Analyses network performance and performs capacity planning to engineer the appropriate type and size circuits, bi-directional amplifier and distributed antennas systems.
- Researches, tests and evaluates cost benefits of emerging technologies to determine applicability to government requirements.
- Provides support in RF, multiple radio management systems, RF test equipment, antenna concepts, FCC licensing, radio dispatch consoles, repeater systems, transmission lines, and bulkheads.
- Develops and delivers technical training and seminars on network technologies used by the County.
- Performs other related duties as assigned.

Minimum Qualifications

Bachelor's Degree from an accredited institution in Computer Science, Electrical Engineering or other closely related field and four years of experience supporting converged voice and data networks, trunked simulcast radio systems with multiple locations. An equivalent combination of education and experience, technical training, which provides the required skills, knowledge, and abilities is acceptable.

Ability to program and support voice and data networks, microwave systems, and trunked radio systems and software.