

SENIOR RADIO FREQUENCY TECHNICIAN



Job Description

The Senior RF Technician designs, builds, deploys, installs, troubleshoots and provides support for complex countrywide telecommunications systems. Conducts interoperability analysis and identifies technical risks. Performs core and subsite maintenance to include remote RF and dispatch sites. Tests systems, solves problems, mitigates risks, and develops solutions.

Responsibilities

- Designs, builds, deploys and supports RF communications systems and equipment
- Performs preventative/corrective maintenance on countrywide wireless network communications system
- Conducts site surveys of RF communications systems, documents as-built systems, and recommends system improvements
- Maintains Motorola RF communications equipment (RF repeaters, base stations, and antenna systems)
- Regularly communicates orally and in writing with team and with customer
- Ensures the highest possible level of communications network operational availability
- Troubleshoots system and network issues, and develops and implements solutions
- Creates and maintains as-built and other systems drawings (flowcharts, diagrams)
- Manages spare asset inventory and performs regular inventory audits
- Performs routine backups of critical data to ensure operational continuity in event of catastrophic failure
- Participates in special projects as required

Required Technical Proficiencies

- IP networking
- Windows 10, Windows Server 2012/2016/2019, and Active Directory administration
- Juniper routers and Junos
- LMR, RF systems, wired/wireless communication systems and/or networking equipment
- Hardware and software tools (network analyzers, PuTTY, WinSCP, etc.)
- HP ProLiant server administration
- Deployment and administration of VMware virtualization suites
- Strong understanding of RF systems, to include transmitters, receivers, and antenna networks
- Knowledge of standard telephony and dedicated data circuits, and packet switching techniques
- Logging of recording systems, RF interfaces, and wired/wireless communications systems
- Communications system analyzers, spectrum analyzers, and line sweep analyzers using frequency domain reflectometry
- Solid understanding of R-56 grounding standards

Preferred Technical Proficiencies

- Experience with Motorola's proprietary software and hardware systems
- Experience with P25, Smartnet, SmartZone, RF infrastructure, ASTRO systems, radios and consoles
- Experience with Microwave backhaul systems
- Experience in performing RF trunking site optimization, or be willing to learn this skill



General Qualifications

- Bachelor's degree in information technology or related technical discipline, or the equivalent combination of education, certifications and work experience
- 7 to 10+ years of relevant experience in radio frequency systems design, installation and maintenance
- Demonstrated experience working in IT production environments
- High degree of proficiency in computer system and network troubleshooting
- Strong organizational skills and high attention to detail
- Self-starter with ability to work effectively in small team environment with minimal supervision
- Capable of lifting and moving equipment up to 50 pounds
- Ability to work evenings and/or weekends as job duties demand
- Must be able to hit the ground running
- Must have ability to obtain security clearance which requires U.S. citizenship

Travel: 25-50% (domestic)

Classification: Full-time, Exempt

Location: Gainesville, VA