

## **FENS Sr. Electronics Technician**

Have a passion for the electronics, aviation, or telecommunications industry? Want a full-time opportunity that combines them and directly impacts the National Airspace System (NAS)? Constellation Aviation Solutions (CAS) has a program that does just that! CAS is a part of the FAA Enterprise Network System (FENS) team which is responsible for providing highly available and secure communications, information services, and networking capabilities required to support NAS operations and agency administration functions. We invite you to put your talents to work for us and our customers. We are searching for a motivated, responsible Sr. Electronics Technician ready to join our team of technical professionals who interact directly with our customers to bring about modernization to government mission-critical systems and infrastructure.

The Sr. Electronics Technician must possess a strong technical, mechanical, and electrical background in electronic telecommunications systems to include installation, critical infrastructure, electrical, grounding, testing, and troubleshooting. These test systems include optical, electrical, and power testing equipment within the telecommunications industry. This role also provides technical system support; installation, maintenance, modification and repair of telecommunications equipment, products and/or systems at customer locations.

As the Sr. Electronics Technician, you will be leading a team that works independently providing telecommunications/electrical/mechanical/fabrication expertise in support of FENS implementation. This position participates in site survey activities, documenting findings, and assists Service Area Manager with scheduling installation, maintenance, repair, and removal activities. Conducts equipment pre-installation testing, generates installation documentation, and conducts post-installation test procedures. Monitors the progress of all assigned implementation activities and provides status updates as required. You must be an initiative-taker capable of leading projects independently, as well as interacting with a geographically a dispersed team, government staff, and other government contract personnel who encompass a broad spectrum of professional disciplines to achieve the customer's objectives.

### **RESPONSIBILITIES:**

#### Technical

1. Performs physical installation, removal, and replacement of electronic equipment and components such as, routers, multiplexors, interface cards, modems, hubs, and antennas
2. Establishes voice and data networks by physically running, pulling, terminating, splicing copper and fiber optic cables, and backbone/riser cabling
3. Performs telecom room buildout (racks/cabinets, patch panels, grounding, including installing cable pathway systems (cable trays, J hooks, ladder racks) using power or manual fasteners, drills, or other power equipment
4. Identifies, tracks, and removes abandoned cable, and maintain neatly tied cables and bundles while maintaining safety standards
5. Documents network information by appropriately labeling all equipment and cables including recording configuration diagrams and specifications
6. Reads and understands service orders, technical manuals, schematic diagrams (circuit and network logic), floor plans, and related documentation
7. Establishes voice and data networks by physically running, pulling, terminating, splicing copper and fiber optic cables, and backbone/riser cabling
8. Identifies, tracks, and removes abandoned cables and maintains neatly tied cables and bundles while adhering to safety standards
9. Configures equipment, connections, wiring, and cables working from layouts or plans
10. Performs acceptance testing and troubleshooting problems of telecommunications equipment including SONET, TDM, DWDM, IP or Ethernet based equipment independently
11. Test telecommunications systems using network using network cable test equipment including network testers, copper cable testers, fiber OTDRs, fiber power meters, and diagnostic software

12. Analyzes and maintains telecommunications and network cabling infrastructure. Such as standard copper 568-B Color code, 25 pair color code, as well as the Fiber 12 strand Color Code
13. Maintains a safe work environment and follow all personal safety policies as specified in FAA Standards and Orders, OSHA safety rules, MSDS, MOP's, process, and company policies
14. Must have highly effective written and verbal communications skills

### Project Management

1. Manages a team of technicians engaged in a variety of hardware engineering activities
2. Serves as a mentor for less experienced technicians
3. Participate in daily/weekly team conference calls or meetings related to project status and evolving priorities
4. Verifies work order information and receipt of all necessary equipment and information
5. Documents and/or logs equipment/system installation and/or modification actions
6. Keeps supplies ready by inventorying stock; placing orders; verifying receipt
7. Ability to handle multiple tasks during emergency situations
8. Conducts site surveys for installation of telecommunications equipment, identifying facility equipment space, cable pathways, power, grounding, seismic, and OSHA requirements
9. Drafts routine reports and contract documentation such as site surveys and test reports

### **QUALIFICATIONS:**

- High School diploma or Equivalent
- Minimum of 11 years of experience in a position with similar responsibilities
- Must be able to read, write, and speak English fluently
- Must have the ability to discern colors used for safety and telecommunications terminations
- Must maintain a valid Driver's license, reliable transportation, and a good driving record
- Proficient in the use of a laptop computer and applications such as with MS Office products, SharePoint portals, and test equipment and diagnostic software
- Must possess knowledge of communications wiring standards and installation practices
- Must possess knowledge of telecommunications switching and common control systems
- Experience and understanding working with engineering drawings and technical procedures
- Must have experience in standard hand tools to include power tools, Powder Actuated Tools, ladders, as well as specialty hand tools and test equipment
- Must be able to push, pull, and/or lift 75 lbs
- Must be able to regularly climb ladders, carry, bend, stoop, reach, crawl, and work in small/closed places to complete the assigned tasks
- Candidate must pass a drug screening for employment consideration, per the Federal Drug testing policy
- Candidate must be a United States citizen or a resident alien who has been lawfully admitted for permanent residence in accordance with the Alien Registration policy established by the U.S. Immigration and Customs Enforcement.
- Candidates must also be able to submit to and complete the appropriate background investigation and security via the Standard Form (SF) 85P, Questionnaire for Public Trust Positions.

### **SCHEDULE & TRAVEL:**

- Typical schedule is M-F normal business hours, however, schedule flexibility is required, as some customer activities may require shift change to accommodate site needs
- It is estimated this position will travel 70% within the U.S.

### **BENEFITS:**

- Comprehensive medical, optical, and dental insurance for employees and dependents
- Paid time off
- (10) company holidays
- Matching 401K

- Remote work flexibility
- Life insurance
- AD&D insurance for employees
- Tuition Assistance
- Bereavement Leave for an immediate family member
- Annual Performance Evaluations