



RSR Sr. Engineering Technician

Constellation Aviation Solutions (CAS) is a professional technical services contractor responsible for providing planning, engineering, coordinating, and onsite field services activities to ensure FAA operational policies, standards, processes, and procedures are met prior to integrating new systems into assigned National Airspace System (NAS) facilities. We invite you to put your talents to work for us and our customers. We are searching for a motivated, responsible Senior Engineering Technician ready to join our team of technical professionals who interact directly with our customers to bring about modernization of government mission critical systems and infrastructure.

As a Senior Engineering Technician, you will be part of a team providing electronics/electrical/mechanical systems expertise support. The successful candidate must understand radar principles, including functionality of airport radar surveillance systems to include transmission of forward and return radar signals, power, voltage standing wave ratio (VSWR), and radar interfaces with other systems, such as Mode-S or ATCBI-5/6, and weather systems. Knowledge of short range (S-band) radar is beneficial.

This position engages in site survey activities, documents findings, and assists the FAA Program Office with scheduling, installation, modification, repair, and removal activities. It also conducts equipment pre-installation testing, generates installation documentation, and conducts post-installation test procedures. Additionally, this position 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. You must be able to interact with a geographically dispersed team comprised of government staff, contractor personnel, and airport sponsors who encompass a broad spectrum of professional disciplines to achieve the customer's objectives.

RESPONSIBILITIES:

- a) Perform and assist with all activities related to modifying existing systems and installing new systems in FAA operational facilities and other assigned facilities.
- b) Coordinate planned program implementation activities with FAA Systems Support Center (SSC) and other stakeholders for the successful modification or installation of new systems into facilities.
- c) Conduct site surveys to support the installation and modification of electronic equipment, identifying facility equipment space, cable pathways, power, grounding, seismic, and compliance with FAA, OSHA, and other pertinent requirements.
- d) Read and understand service orders, technical manuals, schematic diagrams, floor plans, and related documentation.
- e) Perform site preparation, installation, and system checkout in designated facility equipment rooms and operational spaces.
- f) Conduct periodic site visits for installation monitoring and coordination.
- g) Maintain implementation documentation such as drawings, acceptance tests, and reports.
- h) Collect and maintain system performance data to support identification of mission needs and operational capability shortfalls.
- i) Develop and maintain implementation schedules and assess impacts of changes to the program.



- j) Participate in daily/weekly team conference calls or meetings related to project status and evolving priorities.
- k) Prepare and/or participate in program status activities by providing project updates and reporting on actions taken.
- l) Participate in Technical Interchange Meetings (TIMs).
- m) Assist with providing input to program briefings and presentations.
- n) Verify work order information and receipt of all necessary equipment and data.
- o) Document and/or log equipment/system installation and/or modification actions.
- p) Draft site surveys, test reports, trip reports, and contract documentation.
- q) Handle multiple tasks during emergency situations.

QUALIFICATIONS:

- High School diploma or equivalent.
- Minimum of 15 years of experience in a position with similar responsibilities.
- Must have FAA field implementation experience.
- 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, test equipment, and diagnostic software.
- Must possess knowledge of installation practices.
- Must have experience in standard hand tools to include power tools, Powder Actuated Tools, ladders, as well as specialty hand tools and test equipment.

Frequently lift, carry, push, and pull materials, equipment, and products. Able to lift up to 35 pounds for a one-person lift.

- Remain standing and/or walking for extended periods.
- Must be able to occasionally work during odd hours (night shift) while on-site and during specific system outages or during airport closures when systems are available for service maintenance.
- Frequently bend, stoop, kneel, crouch, reach, crawl, and twist while performing assigned duties.
- Work in confined, restricted, or otherwise tight spaces as required by operational needs.
- Perform repetitive physical tasks while maintaining quality, productivity, and safety standards.
- Safely operate in an industrial, warehouse, manufacturing, or field-service environment.
- Ability to walk up/down multiple floors, stairs, or ladders.
- Use appropriate personal protective equipment (PPE) and follow all company safety policies and procedures.
- Candidate must be able to pass a drug screening as part of the pre-employment process.

LOCATION: **This position is remote.** However, the candidate must live in the contiguous US.

SCHEDULE & TRAVEL:

- Typical schedule is M-F normal business hours, however, schedule flexibility is required, as some customer activities may require shift change or additional hours to accommodate site needs.



- Domestic travel ~75%.

SECURITY: 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.

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
- Flexible Spending
- Health Savings Account
- Bereavement Leave for an immediate family member