**Job Title:** Field Service Technician **Date:** May 2019

**Supervisor’s Title:** Field Maintenance Supervisor **FLSA:** Non-Exempt

**Clearance:** CBP **SCA:** N/A

**Contract:** Various **Location:** Multiple

 Southern Border Locations

## RESPONSIBILITIES

Represent Sentrillion throughout a geographic region assisting customer personnel with Company installed equipment. Specific duties include operations and maintenance services for field repair, supply support, maintenance of RVSS equipment to include Relocatable Towers and current and/or future RVSS system information technology technical maintenance. Systems are composed of both video and radar surveillance technologies.

* Perform maintenance tasks to include tower climbing, electronics troubleshooting, repair, and return to service a variety of communications, fixed surveillance radars and systems.
* Install, diagnose, maintain, and replace of AC/DC electrical supply and distribution systems and wiring.
* Understand antenna theory, feed lines, and waveguide including microwave antenna alignment.
* Install, update, and maintain hardware and software.
* Maintain asset accountability and maintenance records.
* Use advanced level electric theory to troubleshoot and correct complex hardware and software problems.
* Use complex diagnostic tools to calibrate or adjust electronic equipment or instruments to specifications. Adjust or modify equipment in accordance with customer request or to enhance performance.
* Complete verbal and written status reports as required.

### QUALIFICATIONS

EXPERIENCE:

* High school diploma or GED required. Formal electronics training and certification from an accredited college, technical school, or technical military school in electronics or communications, or completion of a four {4) year electronics apprentice program.
* At least 3 years of field service experience performing maintenance tasks to include tower climbing, electronics troubleshooting, repair, and return to service a variety of communications, fixed surveillance radars and systems. Surveillance systems are composed of both video and radar surveillance technologies.
* At least two {2) years of journey-level experience in the installation, diagnostics, maintenance, and replacement of AC/DC electrical supply and distribution systems and wiring and wiring.
* Knowledge and understanding of antenna theory, feed lines, and waveguide.
* Familiarization with test equipment used to conduct testing, troubleshooting, and return to service of complex communications and surveillance systems.
* Experience in communications electronics theory to include soldering, AC/DC electronics, digital electronics, and wave propagation theory related to HF, VHF, UHF, and microwave, and video surveillance systems.
* Use of test equipment in fault isolation, testing, and troubleshooting of electronic components and systems.
* Use of computers in programming, testing, and troubleshooting communications systems.
* Experience with machines and tools, including their designs, uses, repair, and maintenance.
* Experience with computers, data networks, digital video cameras and recorders, fiber optics, security surveillance, and basic electronics fundamentals.

**ABILITIES:**

* Must be able and willing to comply with all applicable federal, state and local OSH training regulations including:
	+ Obtain or maintain certifications with US Occupational Safety and Health Administration (OSHA); Environmental, Health and Safety (EH&S); ComTrain Safety, Rescue and Rigging; RF (Radio Frequency) Awareness regulations and standards.
	+ First AID/CPR/ AED Training
	+ OSHA 10 Certified
	+ Proper use of engineering and administrative controls, work practices, and personal protective equipment.
	+ Must be physically capable of performing assigned job duties and pass medical evaluations consistent with FAA guidance.
	+ Obtain and maintain emergency rescue certifications consistent with the nature of the operations and the conditions of the elevated space.
* Must be able to climb towers up to 300 feet.
* Must be able to read and follow blueprints and schematics.
* Ability to work under pressure and meet deadlines.
* Ability to convey complex technical information in an easily understood manner.
* Strong interpersonal skills, able to interact at all levels of the organization and with customers.
* Strong detail-oriented skills; able to multi-task and change priorities quickly.
* Ability to obtain and maintain associated security clearance(s).
* Ability to work designated schedule, as well as maintain attendance and punctuality.
* Valid driver’s license; ability to meet Safe Driving Requirements.
* Ability to operate bucket trucks, scissor lifts, and ladders.

**PHYSICAL REQUIREMENTS:**

* Able to lift a minimum of 60 lbs.
* Able to work in outdoor environment exposed to varying high or low temperatures.
* Must have sufficient physical agility to walk, climb, stand, crawl, and stretch on a continuing basis.
* Able to work up to heights 300 feet above the ground.

**SECURITY:**

* US citizenship is required by regulation and government contract. Applicants selected will be subject to a government security investigation and must meet eligibility requirements.

***Sentrillion is an EEO Employer/ Protected Veteran / Disabled***

Document Revision History (HR Use Only):

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| --- | --- | --- | --- |
| Version | Date | Revision/Change Description | Pages Affected |
| 1.0 | May 2019 | Initial Release | All |