

Enterprise Electronics Corporation

Field Service Engineer

Department: Test & Integration

FLSA Status: Non-Exempt

Grade/Level:

Job Type: Technician

Work Schedule:

Job Status: Full-time

Reports To: Program Management Director

Amount of Travel Required: 50-75%, domestic and/or international travel

Positions Supervised: None

POSITION SUMMARY

Lay out, build, test, troubleshoot, repair, and modify developmental and production electronic components, parts, equipment, and systems, such as computer equipment, control instrumentation, test equipment, applying principles and theories of electronics, electrical circuitry, engineering mathematics, electronic and electrical testing, and physics. Install and conduct operational testing of weather radar systems in the field.

ESSENTIAL FUNCTIONS

Reasonable Accommodations Statement

To accomplish this job successfully, an individual must be able to perform, with or without reasonable accommodation, each essential function satisfactorily. Reasonable accommodations may be made to help enable qualified individuals with disabilities to perform the essential functions.

Essential Functions Statement(s)

- Read blueprints, wiring diagrams, schematic drawings, or engineering instructions for assembling electronics units, applying knowledge of electronic theory and components.
- Build prototypes from rough sketches or plans.
- Assemble, test, or maintain circuitry or electronic components, according to engineering instructions, technical manuals, or knowledge of electronics, using hand or power tools.
- Test electronics units, using standard test equipment, and analyze results to evaluate performance and determine need for adjustment.
- Adjust or replace defective or improperly functioning circuitry or electronics components, using hand tools or soldering iron.
- Install and verify proper operation of weather radar systems at customer's site. May require radome access on towers.
- Maintain system logs or manuals to document testing or operation of equipment.
- Provide user applications, engineering support or recommendations for new or existing equipment with regard to installation, upgrades, or enhancements.
- Provide customer support and education, working with users to identify needs, determine sources of problems, or to provide information on product use.
- Write reports or record data on testing techniques, laboratory equipment, or specifications.
- Develop or upgrade preventative maintenance procedures for components, equipment, parts, or systems.
- Perform preventative maintenance or calibration of equipment or systems.

POSITION QUALIFICATIONS

Competency Statement(s)

- Accountability - Ability to accept responsibility and account for his/her actions.
- Accuracy - Ability to perform work accurately and thoroughly.
- Analytical Skills - Ability to use thinking and reasoning to solve a problem.
- Communication, Oral - Ability to communicate effectively with others using the spoken word.
- Customer Oriented - Ability to take care of the customers' needs while following company procedures.
- Detail Oriented - Ability to pay attention to the minute details of a project or task.
- Organized - Possessing the trait of being organized or following a systematic method of performing a task.
- Reliability - The trait of being dependable and trustworthy.
- Responsible - Ability to be held accountable or answerable for one's conduct.
- Safety Awareness - Ability to identify and correct conditions that affect employee safety.
- Systems Analysis - Ability to determine how a system should work and how changes in conditions, operations, and the environment will affect outcomes.
- Technical Aptitude - Ability to comprehend complex technical topics and specialized information.
- Time Management - Ability to utilize the available time to organize and complete work within given deadlines.
- Working Under Pressure - Ability to complete assigned tasks under stressful situations.

SKILLS & ABILITIES

Education: Associate's Degree (two year college or technical school) or Work Equivalent, Field of Study: Electronics, Radar, Electronic Warfare, or Antenna Testing

Experience: 2 plus years of experience in Electronics or applicable field

Other Requirements: The employee must be able to use the following tools:
Electronic measuring probes - Current probes, voltage probes;
Frequency analyzers - Spectrum analyzers;
Integrated circuit testers - Digital logic analyzers;
Multimeters - Analog multimeters, digital multimeters;
Signal generators - Function generators;
Stripping tools - Wire strippers;
Voltage or current meters - Digital voltmeters (DVM), voltage testers, oscilloscope

PHYSICAL DEMANDS

N (Not Applicable)

Activity is not applicable to this position.

O (Occasionally)

Position requires this activity up to 33% of the time (0 - 2.5+ hrs/day)

F (Frequently)

Position requires this activity from 33% - 66% of the time (2.5 - 5.5+ hrs/day)

C (Constantly)

Position requires this activity more than 66% of the time (5.5+ hrs/day)

Physical Demands

Stand	F
Walk	F
Sit	O
Manually Manipulate	F
Reach Outward	O
Reach Above Shoulder	O
Climb	F
Crawl	N
Squat or Kneel	O
Bend	O
Grasp	F
Speak	F

Lift/Carry

10 lbs or less	F
11-20 lbs	F
21-50 lbs	O
51-100 lbs	O
Over 100 lbs	N

Push/Pull

12 lbs or less	F
13-25 lbs	F
26-40 lbs	O
41-100 lbs	O

Other Physical Requirements

- Vision (Near, Distance, Peripheral, Depth)
- Sense of Touch
- Ability to wear Personal Protective Equipment (PPE) - Hard hats, safety glasses, safety harnesses, safety shoes
- Sense of Balance
- Climb open towers using staircases or rung-type ladders up to 120 feet in height.
- Work in spaces with limited room.
- Travel worldwide to remote locations with minimal infrastructure.

WORK ENVIRONMENT

While performing the duties of this job, the employee is frequently exposed to moving mechanical parts and energized high voltages. The employee is occasionally exposed to outside weather conditions and working at heights.

The noise level in the work environment is usually moderate.

Prepared by:	<u>Human Resources</u>	Date:	<u>04/24/19</u>
Approval Signature:	<u>Program Management Director</u>	Date:	<u>04/24/19</u>
Approval:	<u></u>	Date:	<u></u>

The company has reviewed this job description to ensure that essential functions and basic duties have been included. It is intended to provide guidelines for job expectations and the employee's ability to perform the position described. It is not intended to be construed as an exhaustive list of all functions, responsibilities, skills and abilities. Additional functions and requirements may be assigned by supervisors as deemed appropriate. This document does not represent a contract of employment, and the company reserves the right to change this job description and/or assign tasks for the employee to perform, as the company may deem appropriate.

