



Job title:	Electronics Test Technician
Department:	NI-Americas
Location:	North America, San Diego office
Supervisor:	President, Field Intelligence, Inc.
FLSA:	Exempt

JOB DESCRIPTION

Job purpose:

The Electronics Test Technician is responsible for the testing of analog and digital circuits. Testing and troubleshooting software and related interfaces. Directly support our end customers and assist in transitioning designs from engineering into manufacturing.

Duties and responsibilities:

- Testing of analog and digital circuits
- Software testing including user interfaces and communication protocols
- Troubleshooting software, hardware, and network issues
- Assisting in transitioning designs from engineering into manufacturing
- Directly supporting end customers
- Working at customer sites
- Use and operate hand and power tools.
- Must provide your own primary tool set.
- Perform other duties as assigned.

Qualifications:

Required Experience & Skills

- Electronics training equivalent to two (2) years of technical trade or military technical school. Equivalent work experience will be considered.
- Experience assembling/disassembling/debugging embedded hardware systems.
- Experience testing hardware and firmware.
- Technical knowledge of RF and satellite communications.
- Ability to use test equipment such as oscilloscopes, frequency generator, multi-meter, and data acquisition tools.
- Basic soldering skills.
- Ability to use specifications, schematics and PCB layouts to troubleshoot down to discrete component level.
- Strong interest in testing, design, and troubleshooting.

- Excellent verbal and written communication skills.
- Customer service skills.
- Must have clean driving record and a valid driver's license.
- Must have reliable transportation.
- Personal Characteristics: problem solving, strategic thinking, confidential and ethical, results driven, customer focus, and a team player.
- Understanding of proper safety procedures and use of safety equipment.
- A willingness to embrace and live the core values of Network Innovations.

Nice to Have

- Experience testing IoT Products
- Experience testing Cellular devices
- Experience testing Iridium satellite devices
- Knowledge of industrial communication protocols (CAN, RS485, Ethernet, Modbus)
- Experience with programming languages (C, C++, Python)
- Experience with software version control (Git, SVN)
- Experience with DIY embedded platforms (Arduino, Raspberry Pi, Beaglebone)
- Experience with Linux operating systems

Working conditions:

This position will normally have office hours of 8am to 5pm local time, 5 days a week, but there is a potential for overtime and weekend work. The incumbent must be available 24/7 x 365, within reason, to advance his/her team and the organization. The position operates in a professional office environment and at customer sites in the field. You may be required to travel 10- 15% of the time. This role routinely uses standard office equipment and software. An ability to travel on a global basis if needed. A valid passport without restrictions. Ability to travel 10-15% of the time.

Physical requirements:

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

- While performing the duties of this job, the employee is regularly required to talk or hear.
- The employee is frequently required to walk and climb.
- The employee is occasionally required to stand; sit; use hands to finger, handle, or feel and reach with hands and arms.
- The employee must occasionally lift and/or move up to 60 pounds.
- Specific vision abilities required by this job include close vision, distance vision, color vision, peripheral vision and ability to adjust focus.

- Ability to hear is crucial.
- Ability to drive a motor vehicle is required.

Disclaimer Statement: This job description lists the essential functions of the position and is not intended to include every job duty and responsibility specific to a position. An employee may be required to perform other related duties not listed above provided that such duties are characteristic of that classification.