

Nasittuq provides Operation & Maintenance services for the North Warning System (NWS). The NWS is a joint Canada and United States early-warning radar system with 47 sites located in Northern Canada; a Control Centre and Support Centre located in North Bay, ON and a Contract Management Office located in Ottawa, ON.

**SCOPE:**

This position is responsible for performing scheduled and corrective maintenance on radar, satellite communication, and electronics and test equipment based at the North Warning System (NWS) Long Range and Short Range Radar sites.

**This is a full time, Unionized rotational position. The candidate must be comfortable working in colder climates, during a 6 week on, 6 week off rotation schedule. All travel to/from site, including board and meals, is provided.**

**RESPONSIBILITIES:**

- o Assist in providing diagnostic, problem solving and repair capabilities
- o Organize and perform retrofit installation of satellite communications components and wiring to achieve project objective, which involves replacing existing Spacotel RF/IF equipment with new Advantech Transceivers, Low Noise Amplifiers (LNAs) and Solid State Power Amplifiers (SSPA's)
- o Perform verification procedures to ensure installations are executed in accordance with Implementation Instructions
- o Interface regularly with Nasittuq's LSS staff as well as communicate with North Warning System Command Centre (NWSCC) to obtain authorization before proceeding with the work requirements.
- o Check and approve that all equipment changes and/or modifications are completed in accordance with the Implementation Instruction, including Equipment Changes and/or Modifications involving the following tasks:
  - o Complete the Audit Master and Site Copy of the Implementation Instruction upon completion of the work, including:
    - Redline all changes to the TB drawing packages
    - Detail all equipment changes
    - Replace Site Item Record drawings with SITE COPY drawings
    - Clean Site and Work Area, packaging waste for return and disposal.
    - Tag & Package all removed equipment for return to Logistics Depot
    - Record comments arising from Implementation Instruction activity.
  - Perform other duties assigned by a higher authority, which are unplanned or of a transient nature

**QUALIFICATIONS:**

**EDUCATION:**

- Two-year electronic technician program from a recognized and accredited institution or Canadian military equivalent

**EXPERIENCE:**

- Two years related experience in maintaining electronic systems
- Experience in the use of general electronic test and repair equipment

**KNOWLEDGE OF:** Data Communications systems, data and video monitoring systems, and Satellite communications systems.

**COMPETENCIES / SKILLS AND ABILITIES:**

Proficient in the use of the following special tools and test equipment:

- o Standard electronics toolkit
  - o Spectrum analyzer
  - o RF power meter
  - o 50 MHz reference generator
  - o DC Block (C-Band)
  - o Digital camera
  - o Laptop PC or LHCN PC with Advantech SCI software (training on Advantech software will be provided).
  - o BER test unit (Fireberd 6000 or equivalent)
  - o Crimp tool for D-Sub connectors
  - o Wire wrap tool
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- Solid computer (MS Word and Excel), communication, documentation/report writing skills.
  - Ability to prioritize and organize work tasking.
  - Superior troubleshooting skills and good manual dexterity.
  - Professional and friendly comportsment due to many dealings with internal project stakeholders.
  - Self-motivated with the ability to work with limited supervision and make decisions regularly by choosing from approved procedures.
  - Sound judgment is required to analyze facts and select appropriate solutions.
  - Ability to travel as part of a small team to adjacent sites to perform functions
  - Must be able to wear personal protective equipment (PPE) including Fall Arrest Harness, as required
  - Ability to work under physically demanding, often adverse weather conditions in remote Arctic locations

**DESIRED QUALIFICATIONS:** Certified Engineering Technologist or Technician and Possession of Acquisition License considered assets.

**Qualified and interested candidates please apply!**

**Nasittuq is committed to employment equity and encourages applications from all qualified groups. Inuit Land Claim Beneficiary applicants are encouraged to apply and self-identify.**

**APPLICANTS WHO ARE ENROLLED UNDER AN INUIT NUNANGAT LAND CLAIMS AGREEMENT WILL BE GIVEN PRIORITY HIRING. WE ENCOURAGE APPLICANTS TO SELF-IDENTIFY.**

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*We thank you for your interest, however, only candidates selected for an interview will be contacted.*

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