

NEBRASKA NATIONAL GUARD
HUMAN RESOURCES OFFICE
2433 NW 24TH STREET
LINCOLN, NEBRASKA 68524

ACTIVE GUARD RESERVE VACANCY ANNOUNCEMENT

Announcement Number: AGR-AF-25-029

Closing Date: 11 July 2025

Position Title: RF TRANSMISSION SYSTEMS **Location:** 155th CS, Lincoln, NE

Military Grade Range: Minimum AB/E-1 - Maximum MSgt/E-7

Military Requirements: Designated AFSC for this position is 1D7X2R or equivalent. Must be able to obtain and maintain a Top Secret security clearance. **Applicants will review the qualifications for the award of this AFSC in the AFECD. Failure to review these qualifications may result in the applicant not being eligible for the position.**

Area of Consideration: Current Members of NEANG or those eligible to become members of NEANG Area 1 Qualified AFSC and Area 2 Non-Qualified AFSC.

Specialty Summary:

This position supports RF transmission systems for the 155th Air Refueling Wing, ensuring reliable communication capabilities across a wide range of operational environments. Responsibilities include programming, installing, maintaining, and troubleshooting conventional LMR systems, vehicle and base station radios, COTS radios, and tactical military communication systems. The technician supports Milstar terminals and ground-based satellite systems, maintains antenna systems and tuners, and performs regular inspections and preventative maintenance. Duties also involve supporting Air Force Counter-Unmanned Aircraft Systems (C-UAS) operators, deploying mobile and transportable communications equipment, conducting site surveys, and providing input on equipment integration and facility planning. Manages organizational LMR device accounts and radio equipment inventory accounts. The ideal candidate has strong technical acumen, hands-on experience with RF systems, and a commitment to supporting mission-critical communications.

Duties and Responsibilities:

2.1. Performs/supervises wireless radio and satellite systems and equipment maintenance activities. Oversees work in progress and reviews completed repairs for sound maintenance practices. Establishes requirements for maintenance equipment, support equipment, tools, and spare parts. Requisitions, accounts for, and turns in supplies and material. Interprets inspection findings and determines adequacy of corrective action. Reviews and ensures compliance with maintenance management publications and procedures. Identifies maintenance problem areas and recommends corrective action. Recommends methods to improve equipment performance and maintenance procedures. Evaluates justification and practicability of proposed modifications. Develops and enforces safety standards for ground RF system maintenance activities.

- 2.2. Inspects wireless radio/satellite communications activities. Determines equipment operational status. Serves on teams to evaluate transmission systems activities. Interprets inspection findings submitted by other inspecting activities, and initiates corrective action. Determines adequacy of corrective action. Checks installed and repaired components for compliance with technical publications.
- 2.3. Resolves installation, repair, overhaul, and modification problems associated with communications equipment. Installs, maintains, reconstitutes, removes, and modifies coaxial cabling, waveguide, and antenna systems. Conducts tests to restore and maintain systems. Uses layout drawings, schematics, and pictorial diagrams to solve maintenance problems. Analyzes construction and operating characteristics of equipment to determine source of malfunction. Performs alignment and calibration procedures to ensure maximum operating efficiency. Determines repair procedures necessary to correct defective equipment.
- 2.4. Installs ground radio, satellite, and telemetry communications equipment. Consults layout drawings to ensure equipment is properly positioned. Checks equipment for serviceability prior to installation. Assembles, connects, secures, and interconnects components such as transmitters, power supplies, and antenna assemblies. Tests installed equipment for proper assembly of components and compliance with technical orders. Places in operation and tunes, adjusts, and aligns components to obtain maximum operating efficiency. Identifies and locates Radio Frequency interference sources.
- 2.5. Deploys and activates mobile and transportable transmission equipment. Refers to plans and equipment specifications to conduct site and equipment surveys, and establishes equipment systems interface. Unpacks, inspects, and positions communications equipment; erects antennas; and interconnects communications facilities.
- 2.6. Performs preventive maintenance on communications systems and related equipment. Inspects equipment at specified intervals to determine operational status. Replaces defective components. Performs operational checks. Updates maintenance data collection records and systems to document actions completed.
- 2.7. Repairs, overhauls, and modifies communications and related equipment. Isolates malfunctions using system checking procedures, required test equipment, analyzing voltage and waveform measurements, schematic diagrams, and equipment operating characteristics. Repairs equipment, including transmitters, receivers, transceivers, and related equipment. Tunes and adjusts components. Adjusts, aligns, and calibrates equipment for maximum operating efficiency. Fabricates and connects various types of antenna systems and transmission lines. Understands antenna fundamentals, including antenna theory and principles of rotators, amplifiers and control cables. Tests repaired components using bench mock-ups and related test equipment.
- 2.8. Maintains inspection and maintenance records to include organizational device accounts. Posts entries on maintenance and inspection records. Records meter readings and other pertinent data in equipment logs. Completes maintenance data collection forms.
- 2.9. Performs installation spectrum management duties during temporary absence of qualified Spectrum Operations personnel. Engineers, nominates, assigns, and proactively ensures access to frequencies that support communications and operational requirements. Coordinates frequency needs with Federal, military, and civil spectrum management agencies. Secures operating authority and ensures the least possible interference is caused or received by Air Force electromagnetic systems. Drafts and reviews spectrum interference reports. Resolves electromagnetic interference problems with the use of spectrum analysis software, and spectrum scanning equipment.

For award and retention of this AFSC, must maintain local network access IAW AFI 17-130, Cybersecurity Program Management.

Application Instructions

Please read the application instructions as there have been changes to the application and process for applying.

!!!-IMPORTANT NOTICE-!!!

Applications will be screened after the job closing date, not prior unless requested.

Please review your application for accuracy before you submit to HRO.

Nothing will be added to the application after 1600 hours on the closing date.

Application packets sent to courtney.ybarra@us.af.mil with a subject line of "Job Application AGR-AF-__ (list job announcement number)".

Electronic applicants will be submitted as ONE flowing attachment.

Applications submitted in multiple attachments will not be accepted.

Applications submitted in binders or document protectors will not be accepted.

Applications or attachments which are unreachable or cannot be opened will not be accepted or considered.

- Candidates may apply by submitting a completed Application for Active Guard/Reserve (AGR) Position, NGB Form 34-1. Reference ANGI 36-101 Para 4.2 the following documents must be submitted. Packets without the appropriate documents or written explanation will not be processed for interviews. Applicants will use the following checklist to ensure proper documentation is submitted.

___Yes___No **Application NGB Form 34-1, dated 20131111. This form can be downloaded from the Nebraska National Guard Opportunities webpage. Previous versions will not be accepted.** _____(Initials)

___Yes___No **Current RIP or SURF report within 12 months of closing date.** _____(Initials)

___Yes___No **Last 3 Evals (EPB/OPB) – If not current, provide statement addressing missing reports.** _____(Initials)
Does not apply to traditional enlisted Airman or if you have not acquired 3 evaluations

___Yes___No **Current Point Credit Summary within 12 months of closing date.** _____(Initials)
Applies to Reserve Component/ANG Only

___Yes___No **Current Flying History within 12 months of closing date.** (if applicable)
_____ (Initials)

___Yes___No **Current AF422 or DD2992 within 12 months of closing date.** _____(Initials)
If forms are not current – contact medical for updated forms

___Yes___No **Current Fitness Assessment within 12 months of closing date.** _____(Initials)
Member must provide current documentation showing they meet the **fitness standard score of 75 or higher**

The HRO is not responsible for any malfunctions when using electronic means to transmit job applications. Applicants may request to verify receipt of their application through e-mail or telephonically.

The Nebraska National Guard is an equal opportunity employer; we do not discriminate on the basis of race, sex, religion, national origin or ethnicity.