

AIR NATIONAL GUARD
232nd Combat Communication Squadron
187TH FIGHTER WING, MONTGOMERY, ALABAMA

ACTIVE GUARD RESERVE (AGR) – MILITARY VACANCY ANNOUNCEMENT # 21-025

OPEN DATE: 1 June 2021

EXPIRATION DATE: 22 June 2021

This announcement is open to all current members of the Alabama Air National Guard.

Number of Positions:	1
Title:	RF TRANSMISSION SYSTEMS
Position Number:	0103070334
Minimum/Maximum Grade Authorized:	SrA (E-4) – MSgt (E-7)
Duty AFSC:	3D1X3
ASVAB Score Required:	E: 70
Security Clearance: Unit/Duty	Secret
Location:	232nd CBCS Montgomery, AL

Selecting Official: CMSgt Ryan F. Putteet

For more information about this position or the unit of assignment, please call: 334-230-4126

Position start date is contingent upon resource availability

APPLICATION REQUIREMENTS

NGB Form 34-1 (Application for Active Guard/Reserve (AGR) Position; Dated 11 Nov 13)

- Announcement number and position title must be annotated on the form (i.e. 21-XXX).

Report of Individual Personnel (RIP): Obtain from Virtual Military Personnel Flight (vMPF)

- RIP can be obtained from the servicing Force Support Squadron (FSS) or Virtual MPF (vMPF)
- Select Record Review and Print/View All pages (vMPF instructions)

Report of Individual Fitness (Must Be Current)

- Print from the Air Force Fitness Management System (AFFMS)
- Airman must meet the minimum requirements for each fitness component in addition to scoring an overall composite score of 75 or higher for entry into the AGR program.

AF Form 422, Physical Profile Serial Report

- Must be signed and validated within 12 months from your Medical Group (working copy is acceptable)

DD 214 (Certificate of Release or Discharge from Active Duty)

- Former Active Duty members only

All applications must be submitted with a completed AGR Eligibility Checklist, found in ANGI 36-101. Your unit's HRO Remote Designee or the appropriate FSS representative must complete this checklist.

Mail, hand carry, or email completed application packages to:

**JFHQ-AL MDM
ATTN: MSG John Kilpatrick
john.d.kilpatrick.mil@mail.mil
P.O. Box 3711
Montgomery, AL 36109-0711**

All emailed packages must be in a single PDF

DUTIES AND RESPONSIBILITIES: The information below was taken for the AFECD, 31 Oct 2020 (<https://mypers.af.mil/ci/fattach/get/9910080/1555961061/redirect/1/filename/AFECD%2030%20Apr%2019%20Finalv3.pdf>).

RF TRANSMISSION SYSTEMS (Changed 31 Oct 20)

1. Specialty Summary. Deploys, sustains, troubleshoots and repairs standard radio frequency wireless, line-of-sight, beyond line-of-sight, wideband, and ground-based satellite and encryption transmission devices in a fixed and deployed environment. Included are multiple waveform systems operating across the spectrum, keying and signal devices; telemetry, and instrumentation systems. Establishes and maintains circuits, configures and manages system and network connectivity. Manages organizational LMR device accounts. Related DoD Occupational Subgroup: 110100.

2. ★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. Employs orbiting communication satellite, line-of-sight, and tropospheric scatter techniques. Installs, maintains, reconstitutes, removes, and modifies coaxial cabling, waveguide and antenna systems. Conducts tests to restore and maintain systems. Uses anti-jam equipment and techniques to neutralize effects of communication jamming. Uses layout drawings, schematics, and pictorial diagrams to solve maintenance problems. Analyzes construction and operating characteristics of equipment to determine source of malfunction. Performs intricate 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 mockups 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 (3D1X4) 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.

- 2.10. As part of the Cyberspace Support career field family, performs IT project management duties to include; manage, supervise, and perform planning and implementation activities. Manages implementation and project installation and ensures architecture, configuration, and integration conformity. Develops, plans, and integrates base communications systems. Serves as advisor at meetings for facility design, military construction programs and minor construction planning. Evaluates base comprehensive plan and civil engineering projects. Monitors the status of cyber or communications-related base civil engineer work requests. Performs mission review with customers. Controls, manages, and monitors project milestones and funding from inception to completion. Determines adequacy and correctness of project packages and amendments. Monitors project status and completion actions. Manages and maintains system installation records, files, and indexes. Evaluates contracts, wartime, support, contingency and exercise plans to determine impact on manpower, equipment, and systems. [DCWF Code - 802]
- 2.11. As part of the Cyberspace Support career field family, conducts defensive cyber operations (DCO) and associated support activities to defend DoD and other friendly cyberspace. DCO includes passive and active cyberspace defense operations to preserve the ability to utilize friendly cyberspace capabilities and protect data, networks, net-centric capabilities and other designated systems as well as passive defense measures intended to maintain and operate the DODIN and other networks such as configuration control, patching and firewall operations. Support activities includes but not limited to maintenance of cyber weapons systems, functional mission analysis, mission mapping, tool development, stan-eval, mission planning and data analysis. [DCWF Code - 511, 521, 531, 541]

3. Specialty Qualifications:

- 3.1. Knowledge. Knowledge of: electricity and radio theory, including transistors, solid-state components, and digital techniques applying to ground RF communications and related equipment maintenance; and interpretation of management information data, technical orders, blueprints, wiring diagrams, and schematic drawings is mandatory.
- 3.2. Education. For entry into this specialty, completion of high school or general educational development equivalency is mandatory. Additional courses in physics and mathematics is desirable. Any computing or network commercial certification is desirable.
- 3.3. Training. For award of AFSC 3D133, completion of RF Transmissions Systems initial skills course is mandatory.
- 3.4. Experience. The following experience is mandatory for award of the AFSC indicated: 3.4.1. 3D153. Qualification in and possession of AFSC 3D133. Also, experience in functions such as; testing, tuning, adjusting, maintaining, or repairing ground RF communications and related equipment, and using specialized test equipment.
- 3.4.2. 3D173. Qualification in and possession of AFSC 3D153. Also, experience supervising functions such as siting, installing, repairing, overhauling, or modifying ground RF equipment, and using test equipment.
- 3.5. Other. The following are mandatory as indicated: 3.5.1. For entry into this specialty: 3.5.1.1. Normal color vision as defined in AFI 48-123, *Medical Examinations and Standards*.
- 3.5.1.2. See attachment 4 for additional entry requirements.
- 3.5.2. For award and retention of this AFSC: 3.5.2.1. Must maintain local network access IAW AFI 17-130, *Cybersecurity Program Management* and AFMAN 17-1301, *Computer Security*.
- 3.5.2.2. Specialty requires routine access to Tier 3 (T3) information, systems or similar classified environments.
- 3.5.3. For award and retention of AFSCs 3D153/73:
- 3.5.3.1. Completion of a current T3 background investigation according to AFMAN 16-1405, *Personnel Security Program Management*.
- NOTE:** Award of the entry level without a completed T3 Investigation is authorized provided an interim Secret security clearance has been granted according to AFMAN 16-1405.

Air National Guard membership and Compatibility Requirement

This vacancy announcement will be for an initial active duty tour of one (1) to six (6) years. Subsequent tours will be from one (1) to six (6) years. The selected applicant will be placed in Active Guard/Reserve (AGR) military status under Title 32, USC 502(f). The incumbent will participate with the unit of assignment during unit training assemblies and annual training periods. After an applicant is selected for this position incumbent will be assigned to AFSC **3D1X3** at the **232ND CBCS, AI**. If a selected applicant's grade is higher than the announced grade of the position (Enlisted only), the selected applicant may be required to request an administrative reduction to the announced grade of the position. The wearing of the Air Force uniform as prescribed in AFI 36-2903 is required for the incumbent of this position. Acceptance of the position constitutes concurrence with these requirements as conditions of employment. Military Grade Inversion is not authorized in the National Guard AGR Program.

Other Requirements

- Members selected for initial AGR positions must meet the medical standards as outlined in AFI 48-123 prior to assignment.
- A current PHA with associated documentation must be less than 12 months old. Applicants whose PHA is greater than 12 months old will require a current exam as appropriate.
- Member must also be current in all IMR requirements (i.e. dental, immunizations, etc.)
- Member must comply with standards outlined in AFI 36-2905, Fitness Program and ANGI 36-101, Air National Guard AGR program. To be eligible for entry into the AGR program, a passing score of 75 or better on the fitness test is required. Member must meet ALL eligibility criteria in ANGI 36-101.
- Enlisted member must not have been previously separated from active duty or a previous AGR tour for cause.
- Member must have sufficient retain ability to obtain 20 years of Active Federal Service for retirement purposes. A waiver request to this policy will be considered on a case by case basis.
- AGRs and their authorized dependents may be entitled to PCS benefits provided by law IAW the Joint Federal Travel Regulations (JTR)-PCS entitlements. Individuals entitled to PCS entitlements should not leave their HOR until PCS orders are provided.

BONUS/INCENTIVE RECIPIENTS: *If you currently receive any type of incentive such as bonus, student loan repayment, or GI Bill Kicker, these incentives will stop effective on the first day of full time employment with the National Guard. Contact your RETENTION OFFICE MANAGER.*