



# Washington Air National Guard Active Guard Reserve (AGR) Announcement

**JOB ANNOUNCEMENT # 25-026-ANG**

## POSITION INFORMATION

**Position:** Electronic Integrated Systems Mechanic      **Grade:** E-6/TSgt  
**Location:** 141 Maintenance Squadron  
Fairchild AFB, WA      **AFSC:** 2A974  
**Opening Date:** 21 March 2025      **Closing Date:** 7 April 2025

## WHO CAN APPLY

All current members of the 141st Maintenance Group.

## INITIAL ELIGIBILITY CRITERIA

The following criteria must be met as of closeout date of this announcement, (unless otherwise noted), to be considered:

- Applicants must possess the 2A9X4 AFSC. Applicants not possessing the 2A9X4 AFSC must be able to obtain the 2A9X4 AFSC within one year. (ASVAB minimum score of 65 in Electrical).
- Applicants must, at minimum, be in the grade of E-4/SrA.
- Applicant must meet ANG fitness standards IAW DAFMAN 36-2905 with a score of 75 or above (*applies only to current members of the USAF, USAFR or ANG*).
- Applicant must possess or be able to obtain a **SECRET** security clearance.

## SUMMARY OF DUTIES

Performs scheduled and unscheduled maintenance on one or more multi-complex electronic integrated systems. Completes operational checks, inspections, tests, troubleshooting, removal and replacement of Line Replaceable Units (LRUs) which are linked with integrated systems and LRUs which are independent or associated with nonintegrated systems. Isolates unusual malfunctions using technical orders, schematics, wiring diagrams, tools, and test equipment including automatic test equipment and Flight Line Test Systems (FLTS). Solves complex problems by analyzing installation, circuitry, and operating characteristics of the systems. Adjusts and aligns system sensors, transmitters, amplifiers, power supplies, display devices, controls, transponders, actuators, servos, computers and other related components. Installs serviceable components into aircraft and performs total systems alignment and harmonization in accordance with existing technical orders and directives. Accomplishes technical order compliances, modification of components/systems and completes thorough system checks for proper operation. Maintains, modifies, calibrates and inspects a wide variety of user test, measurement, and diagnostic equipment (TMDE). Installs, modifies overhauls, maintains, troubleshoot repairs, rebuilds, aligns, and calibrates complete electronic avionics multi-systems control. Demonstrates a thorough working knowledge of complex aircraft avionics and or ECM systems such as the electronics package in a highly automated aircraft where the integrated flight and Integrated Countermeasures System, electronic

multiplex communications bus, Inertial Navigation System, multi-function displays, head-up display, data transfer equipment, Global Positioning System, Situation Awareness Data-Link (SADL), Data Modem, Flight Control System, pitot-static system and related instrumentation, flight director instrumentation, Central Air Data Computer, engine, hydraulic and fuel quantity indicating systems, voice message warning, VHF, UHF, SATCOM Data, intercom, secure voice communications, Identification Friend or Foe (IFF), and Tactical Air Navigation System (TACAN). Evaluates operational characteristics of the integrated systems by observing and analyzing waveforms, voltage, current, power indications, computer registers and printouts. Analyzes the malfunctions encountered through fault codes, determines repair sequence process and performs the repairs.

Reviews and analyzes maintenance data; determines if criteria are sufficient to provide adequate test, troubleshooting and repair procedures; devises and recommends tests, procedural changes, or data corrections. Aligns, adjusts, and performs final calibrations on integrated systems to determine successful repairs. Analyzes equipment failure and malfunctions and suggests changes to improve operation. Monitors the operation of complex, interrelated systems, analyzes operating trends, proposes preventative maintenance down time to assure continued operating capability, and recommends components for overhaul or engineering evaluation for disposal. Applies technical data and equipment specifications to determine the impact that equipment modifications or substitutions will have upon integrated multi-system operations and various maintenance alignment procedures. Uses algebraic and trigonometric functions to adapt standard formulas to the specific requirements of the integrated system. Installs, operates, and repairs prototype or experimental electronic systems such as inertial navigation, automatic flight control as assigned. Advises Aerospace Engineering personnel on the operation and maintenance effects of proposed Time Compliance Technical Orders (TCTO) modifications on new or existing equipment. Interacts directly with aircrews for mission/sortie debrief and enhanced system troubleshooting.

Troubleshoots operational malfunctions and analyzes system performance utilizing aircrew debrief data, Technical Orders, schematic and wiring diagrams, engineering drawings, data analysis, common and system-specific test equipment and built-in system tests. Performs on and off-equipment maintenance on systems such as automatic flight control, instruments, communication, navigation, and inertial navigation. Coordinates back shop bench check (if applicable, completes testing, repair, inspection, modification, programming, reprogramming, mating, adjusting, alignment, and analyzing of LRUs and shop replaceable units (SRUs)). Uses a variety of test equipment such as automatic test equipment (ATE), oscilloscopes, frequency counters, phase-angle voltmeters, optical alignment equipment, digital pitot-static testers, programming units and special purpose test analyzers. Tests and troubleshoots solid state electronic assemblies and subassemblies such as circuit cards, modules, rate generators, electronic control amplifiers, electromechanical assemblies, random access memories, programmable read only memories, and various integrated circuits. Identifies faulty parts and repairs to level authorized. Reassembles unit after repair, performs alignment and makes shop checks.

Recommends methods to improve equipment performance, technical data, and maintenance procedures by reporting hardware and software malfunctions, initiates material deficiency reports both on equipment and in technical data and assists in design changes as necessary. Conducts aircrew debriefing to determine the nature of system malfunctions. Documents all discrepancies and maintenance actions performed by inputting information into the electronic records information systems (i.e.: CAMS, IMDS, GO-81, REMIS). Recommends hardware and software changes. Submits change recommendations to Technical Orders. Requisitions supply assets and processes repairable assets in accordance with Standard Base Supply System requirements. Documents maintenance actions in aircraft forms and documents man-hour expenditures and maintenance actions in the maintenance computer system. Maintains Electronic Warfare (EW) (if applicable) and analysis equipment such as infrared/radar warning equipment, infrared/radar jamming equipment, chaff/flare dispensing systems, signal analysis equipment, recorders, direction finders, and special purpose test equipment. Accomplishes organizational and intermediate level

modifications. Configures complex aircraft ECM equipment (if applicable) to meet critical mission requirements. Performs intricate component alignment and calibration to ensure proper system operation. Performs flight operational test, adjusts or replaces units or components as required. Conducts aircrew debriefings to analyze maintenance problems and determines the nature of required modifications.

May upload and download chaff/flare dispensers. This hazardous task may involve the inspection, storage and handling of explosive devices; to include flares, chaff, impulse cartridges and similar items. Conducts on-the-job training on assigned systems and related support equipment and tasks to include classroom instruction as necessary. Provides training to lower graded personnel concerned with the repair of integrated avionics systems. Provides training to newly assigned personnel regardless of grade level. Prepares for and participates in Aerospace Expeditionary Force (AEF) tasking, deployments and various inspections and exercises. Processes and accounts for due-in from maintenance (DIFM) supply assets. Ensures that material and equipment are properly stored, protected and maintained and that funds are not obligated for material or parts without proper justification.

May be required to perform additional duties such as structural firefighting, aircraft fire/crash/rescue duty, serve as a security guard, remove snow, load and handle munitions, launch/recover and service aircraft, operate heavy equipment, maintain facilities and equipment, or serve as a member of a team to cope with natural disasters or civil emergencies. Complies with safety, fire, security, and housekeeping regulations.

Performs other duties as assigned.

## ELEMENTS

The following elements are considered essential for successful performance in this position. Response to the Elements is voluntary, however written response to each of the following Elements will ensure that specialized experience is recognized.

- Knowledge of the makeup, operation and installation of a variety of avionic systems, LRU's and components on a KC-135 aircraft is required.
- Ability to lead and oversee the work assigned aircraft mechanics performing a wide variety of maintenance activities.
- Knowledge and skill in the use of precision test equipment, technical data, schematics, wiring diagrams mathematical formulas, common hand tools, jigs, templates, and various gauges.
- Ability to organize assignments for subordinates, estimate parts and manpower needed for mission execution.
- Ability to plan bimonthly drill training schedules.

## APPLICATION INSTRUCTIONS

Applicants may apply for this position by submitting the following:

- 1) Resume cover letter (*not required, but highly encouraged*).
- 2) NGB 34-1, *Application for Active Guard Reserve (AGR) position*, version dated 20131111
- 3) Resume (Resume should include chronological listing of all military service. Include inclusive dates, branches of service, units and location assigned, and a brief recap of duties)
- 4) Current Report of Individual Person (RIP) from the vMPF, under Self-Service Actions, Personal Data, Record Review, print all pages. A CDB, Career Data Brief, is **NOT** a substitute.
- 5) Point Credit Summary (PCARS) from the vMPF under Self-Service Actions, Personal Data, PCARS. Print "View All", minus the PCARS definitions and FAQ pages (*only applies to current members of the USAFR or ANG*)

- 6) Current Report of Individual Fitness from MyFITNESS (myfss.us.af.mil) (*only applies to current members of the USAF, USAFR or ANG*)
- 7) Response to Job Elements (*not required, but highly encouraged*)

**Submission of application:**

Email applications to: [WAANGHQ.AGR.JOBS@us.af.mil](mailto:WAANGHQ.AGR.JOBS@us.af.mil) or through DoD Safe

***\*All application documents must be consolidated into a single .pdf file if at all possible or use PDF Portfolio format.***

***\*When emailing applications, please put the announcement number and last name in the subject line. Also, name your .pdf file with the announcement number and last name. (Ex. 23-015-ANG Moore)***

***\*If you do not receive an email "confirmation of receipt" within 5 duty days of emailing your application, please contact SMSgt April Melton at 253-512-8347***

Complete applications must be received by this office by 1630 (Pacific Time) on the closing date of the announcement. Complete applications not received by HRO by the closing date/time will not be accepted. Applications will not be returned.

## ADDITIONAL INFORMATION

- New AGR's will be placed on a 3-4 year probationary tour. Continuation orders will be issued through a tour renewal request or an AGR Continuation Board as applicable.
- Equal Employment Opportunity: The Washington National Guard is an equal opportunity employer. Selection for this position will be made without regard to race, religion, national origin, gender, marital status or political affiliation.
- Enlistment/Appointment in the Washington Air National Guard is a condition for retention in the AGR program.
- Potential for promotion in the position is conditional upon assignment to the appropriate UMD grade, compliance with ANGI 36-101 grade compatibility requirements and, if applicable, the availability of an AGR control grade. Selection for the position at a higher grade does not automatically constitute the immediate availability of an AGR control grade required for promotion to the higher grade.
- The process of applying and being nominated does not constitute final selection for nor guarantee this position. Applicants are strongly advised not to make arrangements to move or change jobs until notified of final selection by the Adjutant General of the State of Washington or designated representative.
- Applicants should be able to complete 20 years of active federal service prior to Mandatory Separation Date (MSD) for officers, age 60 for enlisted. If unable to meet this requirement a statement of understanding must be completed prior to start date.
- Military grade cannot exceed the maximum military grade authorized. A member who is overgrade must indicate, in writing, a willingness to be administratively reduced in grade when assigned.
- Point of Contact at Unit: SMSgt Richard Slater, (509) 247-7304, richard.slater.3@us.af.mil  
Point of Contact for general AGR announcements: SMSgt April Melton, AGR Manager for Air (253) 512-8347, april.melton@us.af.mil