



Colorado Air National Guard

Traditional

Position Announcement

COANG 25-043



<https://coang.joint.afpims.mil/Jobs/Air-Traditional/>

POSITION TITLE: Avionics Intermediate Shop Technician	AFSC: 2A071	OPEN DATE: 4-Aug-25	CLOSE DATE: 7-Sep-25
UNIT OF ACTIVITY/DUTY LOCATION: 140 Maintenance Squadron Buckley SFB, CO 80011		GRADE REQUIREMENT: Minimum: E5 Maximum: E6	
SELECTING SUPERVISOR: MSgt Robert Checketts 720-847-9451	VACANCY 0114759434	PHYSICAL PROFILE: (Officer N/A) PULHES – X Factor – ASVAB – 70	

AREAS OF CONSIDERATION

- | | |
|---|---|
| <input checked="" type="checkbox"/> Traditional | <input type="checkbox"/> Nationwide (Military eligible for membership in the COANG) |
| <input checked="" type="checkbox"/> Current COANG members | <input type="checkbox"/> Commissioning Opportunity |
| <input checked="" type="checkbox"/> Enlisted | <input type="checkbox"/> Officer |

All applicants MUST meet the grade requirement and physical/medical requirements outlined

DUTIES AND RESPONSIBILITIES

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This position is located in either the Avionics Intermediate Shop (AIS), Improved Avionics Intermediate Shop (IAIS) or ECM Pod Shop, Component Repair Branch, of an Aircraft Maintenance Squadron. This is an Air National Guard (ANG) Dual Status Technician position requiring military membership, compatible military skill assignment, and classification. Its purpose is to inspect, test, troubleshoot, repair and modify software controlled automated and manually controlled test stations, ECM Pods, peripherals, support equipment and associated subsystems. The stations are used to repair and maintain all avionics line-replaceable units (LRUs) and Pods.

Must be a current 2A071 member of the 140th MXS Avionics Flight, Buckley SFB, Aurora, CO.

Must be promotion eligible to the grade of E-6 by close date on this announcement.

MAJOR DUTIES:

- On a day-to-day basis, analyzes performance, tests, inspects, troubleshoots, identifies and isolates malfunctions, disassembles, modifies or repairs and reassembles test stations or ECM Pods and their associated peripherals. Considers the complex interrelated variables arising from a mix of computer hardware and software, stimulus and measurement systems, and special purpose test subsystems. Analyzes malfunctions using schematics, logic and wiring diagrams, program ming tables, computer program flow charts, software user guides, computer program listings and factory drawings. Diagnoses circuit operating characteristics using computer query, system peculiar test equipment, and computer diagnostics. Isolates problems to the failing part using self-test diagnostics, oscilloscopes, frequency meters, signal generators, digital, and differential voltmeters, computer registers and printouts and other special and standard tools and test equipment. Removes and replaces components, assemblies, sub assemblies, or parts using special and common hand tools, soldering devices and special electronic instruments. (20%)
- May modify and updates avionics Pods, support equipment and support software according to applicable technical publications. Analyzes program data and determines if the criteria is sufficient to provide adequate testing and troubleshooting. Examines recurring malfunctions and software deficiencies to determine testing voids and initiates corrective action by submission of quality deficiency reports, software deficiency reports or proposed modifications. Devices repair procedures based on findings and recommends program changes, procedural changes, or data corrections to correct software deficiencies. Recommends revisions to intermediate maintenance directives. (20%)
- Connects associated testing equipment to interface the test station system to the aircraft system and or Pod to facilitate maintenance/repair of POD or line replaceable units (LRUs) from the avionics systems such as radar, fire control, instrument, flight control, inertial navigation, malfunction analysis and recording equipment systems. Determines whether failures are caused by the unit under test (UUT), the Pod, the test station, or the test program. If the malfunction is found to be in the UUT, Pod or the test station, isolates it to the specific component(s), disassembles and effects repair by replacing solid state devices, micro miniature modules, gyros, sensors, transducers, and any other required parts, and assembles after repair is accomplished and performs operational tests. If the malfunction is in the test program, informs engineers and/or Air Force Logistics Command (AFLC) of the problem and serves as subject matter expert in providing practical technical assistance in resolution. Ensures compatibility of items with each other and with extenders and interfaces. (20%)
- Works with engineers and technicians in the development and/or modification of software, interfaces, extender equipment or additional items of test equipment and in validation of technical data concerning the repair, maintenance, and test of the test station and units under test. Initiates technical data changes. Suggests means by which a component or system can be tested more economically or thoroughly and provides practical technical assistance by explaining peculiarities of the program or assemblies of the test station, UUT, interfaces, extenders, test procedures, etc. (20%)
- Provides hands-on training instructions to lower grade personnel concerned with repair of computer controlled automatic test equipment, manually controlled test equipment, line replaceable units and aircraft integrated systems. Also provides on-the-job instruction to newly assigned personnel, regardless of grade level. Prepares for and participates in various types of readiness evaluations such as Operational Readiness Inspections (ORI), Inspector General (IG) inspections, and Unit Effectiveness Inspections and mobility and command support exercises. May be required to perform such additional duties as structural firefighting, aircraft fire/crash/rescue duty, security guard, snow removal, munitions loading and handling, heavy equipment operator, maintenance of facilities and equipment, or serve as a team member on a board to cope with natural disasters or civil emergencies. Complies with safety, fire, security, and housekeeping regulations. Ensures that material and equipment are properly stored, protected and maintained. (20%) Performs other duties as assigned.

DUTIES and RESPONSIBILITIES (Cont'd):

May be required to travel in military aircraft and drive military vehicles. May be required to participate in various periods of temporary duty away from place of assignment. Complies with safety, fire, security, environmental and housekeeping regulations. Ensures that material and equipment are properly and safely protected and maintained. Performs other duties as assigned.

SPECIALTY QUALIFICATIONS:

A working knowledge of programming principles sufficient to analyze aircraft avionics equipment or Pods as well as computerized test stations software and software problems and to work with engineering personnel to correct them.

-A comprehensive knowledge of electronics, software controlled test stations and their peripherals, test results, a variety of test equipment, self-test programs and technical data containing schematic diagrams, signal and data diagrams, test procedures, program information, and mathematical formulas to identify and isolate malfunctions and determine if a malfunction is in the program, the UUT, Pod or the test station.

-A thorough knowledge of the interaction of the electronic systems that are interfaced with the test stations (e.g., radar, fire control, instrument, flight control, inertial navigation, malfunction analysis and recording equipment systems).

-A working knowledge of hydraulic and pneumatic principles as well as system pressurization, dehydration, liquid and gaseous cooling systems and other systems assigned to the test station.

APPLICATION PROCEDURES

Interested applicants who meet the eligibility criteria listed in this announcement may apply by submitting the below listed documents to the location below. Complete applications must be received no later than 2359 on or before the closing date.

Selecting officials have the right to hold package review boards prior to in-person interviews

Incomplete packages will not be considered for the position vacancy

1. Cover Letter identifying the position you are applying for.
2. Civilian or Military Resume.
3. CURRENT (w/in 90 days) Records Review RIP (available on vMPF via AF Portal).
4. CURRENT Points Credit Summary (available on vMPF via AF Portal).
5. CURRENT and PASSING Report of Individual Fitness (from myFitness)
6. Additional requirements:

Add any other documentation you want provided.

*****SUBMIT ELECTRONIC ONLY*****

QUESTIONS?

If you have any questions on package submission you may contact 720-847-9446/DSN 847-9446 or email to the below email addresses. If you have any position related questions please contact the selecting supervisor.

E-MAIL APPLICATIONS TO MPS:

140.wg.hro.agr.office.org@us.af.mil

OR:

SUBMIT APPLICATIONS VIA

AMRDEC SAFE: <https://safe.apps.mil/>

140.wg.hro.agr.office.org@us.af.mil

REMARKS

Federal law prohibits the use of government postage for submission of applications.

THE COLORADO NATIONAL GUARD IS AN EQUAL OPPORTUNITY EMPLOYER

All applicants will be protected under Title VI of the Civil Rights Act of 1964. Eligible applicants will be considered without regard to race, age, religion, marital status, national origin, political affiliation or any other non-merit factor. Due to restrictions in assignment to certain units and AFSC/MOS some positions may have gender restrictions.