



District of Columbia National Guard

Accelerated Hiring Announcement

Title 32

Electronic Integrated Systems

Mechanic

DC-AHA-AF-26-004



APPLICATION MUST BE FORWARDED TO: IN ORDER TO RECEIVE CONSIDERATION james.woodward.6@us.af.mil	OPENING DATE: 21-JUL-26	CLOSING DATE: 04 -AUG-26
	Position Title: Electronic Integrated Systems Mechanic Min Grade: A1C Max Grade: SSgt AFSC: 2A3X4 GRADE: WG-2610-12	
	AREA OF CONSIDERATION: GROUP III Current or former uniformed service members (Active, Reserve, Guard) nationwide who are eligible for military membership in (DCANG)/ (DCARNG)	
Position Location: 113 th AMXS 3119 E Perimeter Rd Joint Base Andrews, MD 20762	NOTE: This position is subject to provisions of the DoD Priority Placement Program. Secret Clearance Required.	

INSTRUCTIONS FOR APPLYING:

You must send applications electronically to the email addresses listed below.

REQUIRED DOCUMENTS:

1. Resume - resume highlighting your specialized experience. Ensure you include "from (mm/yy)" and "to (mm/yy)" dates along with a description of your relevant experience.
2. Current SF-50 (if applicable)
3. Please submit completed packages to:

SMSgt James Woodward

james.woodward.6@us.af.mil

MINIMUM EXPERIENCE:

Experience or training which demonstrates the applicant's knowledge to perform duties such as, install, modify, overhaul, maintain, troubleshoot, repair, align, calibrate, and rebuild multi-system avionics complexes. Ability to collect and analyze data effectively, efficiently, and accurately. Able to apply procedures and directives by reading and interpreting material. Ability to communicate clearly and effectively. Applicants must have a validated understanding of the basic principles and concepts of the occupational series and grade.

SPECIALIZED EXPERIENCE:

Experience or training demonstrates the ability to repair, align, and adjust major integrated electronic systems such as inertial navigation systems, automatic flight control, or fire control systems. Extensive knowledge of electronic, pneumatic, hydraulic, and mechanical systems in order to understand and predict the progressive effects of malfunctions throughout the interrelated units, (e.g., trace an apparent operating error in the hydraulic controls of a gun mount back to the failure of a tactical computer to integrate yaw, pitch, azimuth, and velocity inputs) and to predict areas of technical difficulty in order to assist lower grade employees. Through knowledge of the application of electronic theories and practices to one or more complex integrated systems such as fire control, inertial navigation, or automatic landing control systems. Broad

knowledge of such applications as radar, digital or analog computers, digital or cathode ray tube display devices, etc., and specific knowledge of the technology and practices which integrate these components into a totally functional system. Knowledge of mathematics includes algebra and basic trigonometric functions to adapt standard formulas to the specific requirements of the integrated system. Ability to follow drawings for integrated electronic systems such as radar navigation systems which integrate terrain information from the radar, pitch, roll, and turn rate, etc. from sensing devices and actuate control relays. Ability to trace the effect of a change in one subsystem to other integrated subsystems and determine which controls and devices must be changed or adjusted to compensate. Ability to diagnose and determine needed repairs for malfunctions in electronics systems such as weapons control where knowledge of the entire system is necessary to interpret error data and trace back through several units of the system to locate the deficiency.

Other Requirements:

For positions requiring the operation of motor vehicles, candidates must have a valid state driver's license for the state in which they live or are principally employed.

For positions requiring security clearance (Secret or Top Secret) the applicant must possess or be able to obtain clearance within one year of appointment.

Education:

No education requirements list per NGB Qual.

PD: NGD2325000**Duties:**

1. Perform scheduled and unscheduled maintenance on one or more multi-complex electronic integrated systems. Completes operational checks, inspections, tests, trouble shooting, 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. Adjust and align system sensors, transmitters, amplifiers, power supplies, display devices, controls, transponders, actuators, servos, computers and other related components. Installs serviceable components into aircraft and perform total systems alignment and harmonization in accordance with existing technical orders and directives. Accomplishes technical order compliances, modification of components/systems and completes thorough systems checks for proper operation. Maintains, modifies, calibrates and inspects a wide variety of user test, measurement, and diagnostic equipment (TDME). Installs, modifies, overhauls, maintains, troubleshoots, repairs, rebuilds, aligns, and calibrates complete electronic avionics multi-systems control. Demonstrates a thorough working knowledge of complex aircraft avionics and or ESM systems such as the electronics package in a highly automated aircraft where the integrated flight and Integrated Counter measures system, electronic multiplex communications bus, Inertial Navigation System, multi-function displays, heads-up display, data transfer equipment, Global Positioning System, Situation Awareness Data-Link (SADL), Data Modem, Flight Control Systems, pitot-static system and related instrumentation, flight director, instrumentation, Central Air Data Computer, engine, hydraulic and fuel quantity indicating systems, voice message warning, Very High Frequency (VHF), Ultra High Frequency (UHF), Satellite Communications (SATCOM) Data, intercom, secure voice communications, Identification Friend of Foe (IFF), 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. (25%)
2. Review and analyze maintenance data; determine if criteria are sufficient to provide adequate test, troubleshooting and repair procedures; devise and recommend tests, procedural changes, or data corrections. Align, adjust, and perform 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 downtime 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 system. Assembles,

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. (20%)

3. Troubleshoot operational malfunctions and analyze 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 aircraft avionics such as automatic flight control systems, instrument systems, communication and navigation systems and inertial navigations systems. Coordinates back shop bench check, 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, 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. (20%)
4. Recommend 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. Documents all discrepancies and maintenance actions performed by inputting information into the electronic records information systems (i.e. CAMS, IMDS, Go-81, REMIS). Recommend hardware and software changes. Submits change recommendations to Technical Orders. Requests 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 systems. May maintain Electronic Warfare (EW) 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. May configure complex aircraft EMC equipment to meet critical mission requirements. Performs intricate component alignment and calibration to ensure proper system operation. Conducts aircrew debriefings to analyze maintenance problems and determines the nature of required modifications. (15%)
5. May upload/download chaff/flare dispensers. This hazardous task may involve the inspection, storage and handling of explosive devices; to include flares, chaffs, impulse cartridges and similar items. 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 materials or parts without proper justification. (10%)
6. May be required to perform additional duties such as structural fire-fighting, 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, to serve as a member of a team to cope with natural disasters of civil emergencies. Complies with safety, fire, security, and housekeeping regulations. (10%)

Performs other duties as assigned.