

HAWAII AIR NATIONAL GUARD

**** ACTIVE GUARD RESERVE FULL TIME Job ANNOUNCEMENT****

Application Opening Date:

04 NOV 20

Application Closing Date:

18 NOV 20

Position Number

FY 21-012

Duty Position:

AIRCRAFT ELECTRICAL &
ENVIRONMENTAL SYSTEMS CRAFTSMAN

Grade Min. / Max.:

E6 (TSGT) - E6 (TSGT)

Duty AFSC:

2A676

****FY 21 REALIGNMENT****

Duty Location:

154 MXS
360 Mamala Bay Drive
JBPHH, HI 96853

Selecting Official: MSgt Harvey Y. Fukushima

Point of Contact: CMSgt Richard Costa

Comm: 808-672-1235

Who May Apply:

1st AOC: Open to on-board technicians and indefs within the 154 MXS, OSC MXMCE, PEC 51411G, w/duty AFSC 2A676.

2nd AOC: Open to members in the 154 MXS with duty AFSC 2A676.

3rd AOC: Open to members in the HIANG with duty AFSC 2A676.

Qualifications, Duties and Responsibilities:

Classification Directory AFECD & AFOCD - (accessed from a .mil computer)

This position is located in the Electro Environmental Shop in the Component Repair Branch of the Aircraft Maintenance Squadron in an Air National Guard Flying Wing. The position functions to analyze malfunctions, troubleshoot, remove, install, repair, modify, maintain, test, align, calibrate and certify the components of the aircraft electrical system the electronically and pneumatically controlled environmental system, and associated test equipment, and to certify these systems are air worthy, by intensive inspections of the Electrical/Electronic and Environmental System and peripherals.

DUTIES AND RESPONSIBILITIES:

(1) Performs functional tests, analyzes performance and troubleshoots the electronic, electrical, hydraulic, pneumatic and mechanical functions of the subsystems integrated into the digital brake/antiskid system, maintenance annunciation panel (MAP) system of the integrated main generator, standby generator, emergency generator, flight control power, AC/DC power distribution and sub-systems integrated into the electronic/electrical and environmental systems. Interprets analog and digital operational and output characteristics and results from the Maintenance Annunciation Panel (M.A.P.), onboard computers, aircrew debriefings and specialized test equipment. The electrical system includes the electrical power generation and distribution system, the fire detection and extinguishing system, the ice and rain protection system, the landing gear system, the interior and exterior lighting system, the oxygen generation and distribution system, and the auxiliary power system. The environmental system includes compression, distribution, pressurization, heating, cooling, temperature control moisture/air contamination control, and liquid cooling requirements.

(2) Removes, repairs, calibrates, installs, aligns, inspects, and conducts operational performance checkouts on the components of the electronic/electrical and environmental systems. Analyzes malfunctions using schematics, logic and wiring diagrams, computer data, and factory drawings. Diagnoses circuit operating characteristics using on-board computer, special test equipment and laptop computers to isolate problems to the failing component. Removes and replaces components or assemblies down to the lowest level authorized by depot. Performs organizational and intermediate level maintenance modifications as required. Performs recurring inspections and system tests of the life support and the electronic/electrical and environmental system to certify aircraft are ready for flight. Modifies and updates electrical and environmental support equipment according to applicable technical publications. Maintains and operates various types of test equipment such as oscilloscopes, diagnostic computers, digital and analog multi-meters, constant speed drive test stands, voltmeters, ammeters, etc. Performs precise and advanced wiring maintenance procedures on aircraft. Utilizes computer data and specialized test equipment to interpret equipment analog/digital operational characteristics to isolate malfunctions in the appropriate sub-systems. Interprets electronic terms and symbols, and applies a variety of electronic formulas, tables and charts in order to perform fault isolation and repairs to systems and sub-systems, such as the 1553 data bus's, BUS Interface Unit (BIU), BUS Adapter Unit (BAU), F-16 Electrical Multiplexing System (EMUX), the C130J Enhanced Cargo Handling/Aerial Delivery System (ECHS/ADS) and the F-15 Engine Modification from the PW100-200 to the PW100-220 which incorporates a Digital Electronic Engine Control (DEEC).

(3) Provides technical guidance, advice and/or assistance to other work centers on the interrelationship of electronic/electrical and environmental systems and their respective system, to include flight controls, offensive fire control radar, weapon release, communications, hydraulic, fuel, engine and egress.

(4) Processes and accounts for supply assets in the repairable processing system to maintain aircraft records, inspection records, and equipment maintenance in computer systems (CAMS). Documents maintenance actions and man-hour expenditures on maintenance forms and computer systems. Clears Red X symbols on maintenance forms as authorized, and performs electronic/electrical and environmental system debriefing of aircrews. Recommends methods (AFTO Form 22) to improve equipment performance and maintenance procedures, i.e., data corrections to correct software or technical order deficiencies. Processes and accounts for due-

in-from maintenance (DIFM) supply assets. Documents maintenance repair actions, man-hour accounting, maintenance forms, and computer systems. Maintains historical data of repaired components, Line Replaceable Units (LRUs) and test equipment.

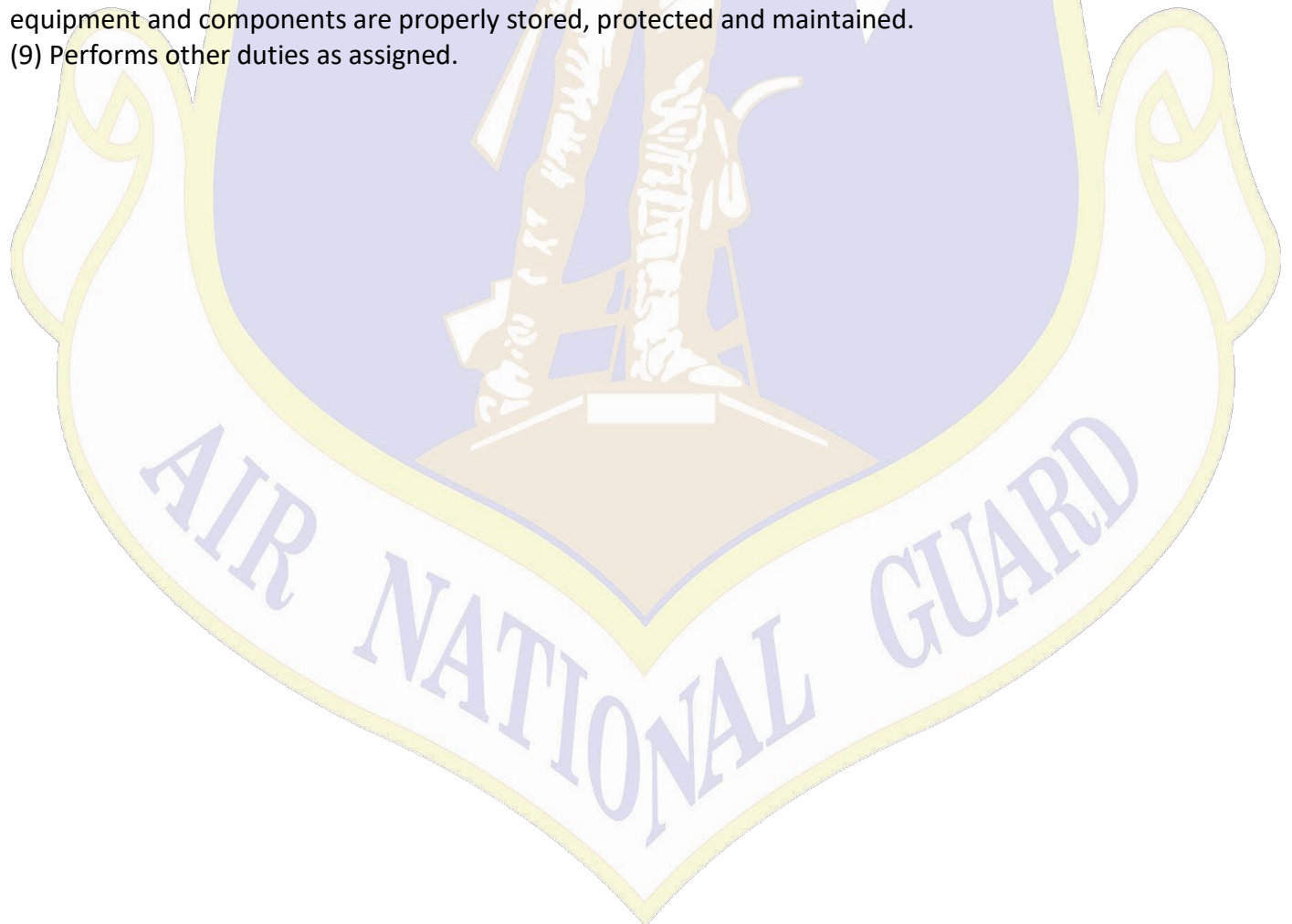
(5) Inspects, tests and performs operative maintenance on cryogenic and gaseous oxygen and nitrogen servicing equipment. Is able to provide a thorough inspection of the complete electronic/electrical and environmental, and other systems, of the aircraft during special and phase inspections.

(6) Provides on-the-job training to lower grade personnel concerning repair of the electronic/electrical and environmental equipment, aircraft system line replaceable units (LRUs), and aircraft electrical/environmental systems. Also provides on-the-job training (OJT) for newly assigned personnel.

(7) Prepares for and participates in various types of readiness evaluations such as Operational Readiness inspections (ORI), Inspector General (IG) inspections, Unit Effectiveness Inspections and mobility and command support exercises. May be required to perform additional duties such as aircraft crew chief, hydrazine response, aircraft or equipment decontamination, structural fire fighting, 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 member of a team to assist local authorities with natural disasters or civil emergencies.

(8) Complies with safety, fire, security, and housekeeping regulations. Ensures that material, equipment and components are properly stored, protected and maintained.

(9) Performs other duties as assigned.



FAILURE TO SUBMIT REQUIRED DOCUMENTS WILL RESULT IN THE APPLICATION BEING RETURNED WITHOUT ACTION.

REQUIRED DOCUMENTS:

1. **NGB Form 34-1, dated November 2013, Signed, dated and annotated with job number and title.**
 - a. *ALL APPLICANTS Must FULLY complete SECTION IV - PERSONAL BACKGROUND QUESTIONAIRE of the NGB.
 - b. FORM 34-1. Any "YES" answers to the questions (except 9 & 10) require a separate sheet fully explaining the "YES" response. A current passing Fit Test will suffice for a "YES" response to question 17. FAILURE to provide this documentation will result in the application being returned without action.
 - c. **** Application must be signed ****
Link to 34-1: <https://dod.hawaii.gov/hro/files/2020/08/ngbf34-11.pdf>
2. Current & complete Report on Individual Personnel (RIP) (Record Review/Update) printout from virtual MPF
3. Most recent copy of current passing fitness assessment
4. Applicants who are in a higher grade than the grade for this advertisement must provide a statement of understanding with your application stating you are willing to be voluntarily demoted without prejudice if selected for this position, IAW ANGI 36-2502, Paragraph 11.1.2.4.1.1.2. If selected for this vacancy, voluntary demotion action must take place prior to being assessed to the AGR program or moved into the position.
5. SF 50 for technicians only. DSG do not need to prove one.
6. Additional Documents Recommended, but NOT REQUIRED: Last 2 OPRs/EPRs, RESUME, Letter of Recommendations.

****ALL APPLICATIONS MUST BE SENT AS ONE PDF FILE****

NOTE: There is a known issue that digital signatures are being removed from the NGB Form 34-1 once combined as one PDF. To avoid this, once you sign and save the NGB Form 34-1, go to Print, then select "Microsoft Print to PDF". Click Print. Use this copy of the form to combine into the required documents and send to HRO. Always verify the signature is present before you sent to HRO.

Forward application and attachments to:

Inquiries Call: (808) 672-1235

Applications are required to emailed to: shane.gaines@us.af.mil

Applications must submit through AMRDEC or a DOD government computer and any applications received after 24:00 of close date are returned without action. There is a known issue to sending encrypted messages to this inbox please send an email requesting encryption and you will receive a response you will then be able to send encrypted messages to the email.

Equal Opportunity/ Basic Eligibility Requirements:

- Application screening will be made without regard to race, religion, color, gender, or national origin.
- Applicants are subject, but not required, to a personal interview, before a military board upon notification of time and place. Necessary travel will be at the expense of the individual. Inquiries concerning specific aspects of the duty position should be directed to the Selecting Official.
- Selection will be made from those applicants determined best qualified in terms of experience, training and demonstrated performance ability.
- All interested members may apply by submitting a completed NGB Form 34-1 and a recent RIP, which can be obtained from the virtual MPF. Due to manning restrictions, positions will not be filled if funding/resource are not available.
- Pregnant females are eligible to apply for AGR tours. Individuals selected for AGR tours must meet all applicable medical and physical requirements in accordance with AFI 48-123 prior to entering or initiating the tour. If selected, they cannot be appointed and entered on active duty until the pregnancy period has expired or Commander approval.
- Must meet the Preventative Health Assessment (PHA)/physical qualifications outlined in AFI 48-123, Medical Examination and Standards. Must also be current in all Individual Medical Readiness (IMR) requirements to include immunizations. RCPHA/PHA and dental must be conducted not more than 12 months prior to entry on AGR duty and HIV test must be completed not more than six months prior to the start date of the AGR tour. The State Air Surgeon will review all medical examinations and determine if a member is physically qualified to enter on AGR duty.
- Grade inversion is detrimental to the military nature of the ANG and is not authorized.
- Must meet the minimum requirements for each fitness component in addition to scoring an overall composite of 75 or higher for entry into the AGR program. Any member in the Fitness Improvement Program (FIP) is ineligible for entry into any type of AGR tour program.
- Should be able to complete 20 years of total active federal military service (TAFMS) prior to reaching mandatory separation - - 28 years commissioned service date for officers (O6 is 30 years); age 60 for enlisted members. Waiver authority of this requirement is The Adjutant General. Individuals selected for AGR tours that cannot attain 20 years of active federal service prior to reaching mandatory separation, must complete a Statement of Understanding. The HING, HRO AGR Branch will maintain the completed and signed Statement of Understanding.
- Must not have been separated due to adverse action from Active Duty or a previous Reserve Component AGR tour.