

**MASSACHUSETTS NATIONAL GUARD
FULL-TIME MILITARY TOUR (AGR)
VACANCY ANNOUNCEMENT**

**HUMAN RESOURCES OFFICE
2 RANDOLPH ROAD
HANSCOM AFB, MA 01731-3001**

NUMBER: 104-17-30 (AGR)

EXPIRES: 08 MAY 2017

DATED: 19 APRIL 2017

- 1. ELIGIBILITY:** The following AGR position is available to **all current members of the Massachusetts Air National Guard and all those eligible to enlist in the Massachusetts Air National Guard.** Applications will be accepted at the individual's servicing Military Personnel Flight (MPF) until 2359hrs on the expiration date of this announcement.

Position: ELECTRONIC INTEGRATED SYSTEMS MECHANIC	Location: 104th FW 175 Falcon Drive, Westfield, Massachusetts 01085
Min Grade: TSGT/E-6 Max Grade: MSGT/E-7	AFSC: 2A2X1, 2A2X2, 2A2X3, 2A3X4, 2A3X5
Unit POC: SMSgt James Watkins, DSN: 698-1411, Comm: (413) 568-9151 Ext: 698-1411 Email: james.r.watkins42.mil@mail.mil	AGR Branch POC: TSgt Heather Dragon DSN: 698-1290 Comm: (413) 568-9151 Ext: 6981290 Email: usaf.ma.104-fw.list.104fw-hroremote@mail.mil
Salary: Full-time Military Pay & Allowances	http://www.thenationsfirst.org/

CONTINGENT UPON THE AVAILABILITY OF FUNDS & RESOURCES

AUTHORITY: Individual(s) selected will be ordered to Full-Time Duty (state) status under the authority of Title 32 USC, Section 502(f) and in accordance with ANGI 36-101, The Active Guard/Reserve Program.

2. QUALIFICATIONS:

- a. The intent of the AGR program is to assess AFSC qualified individuals. However, any applicant selected who does not possess the AFSC, must sign an agreement to retrain.
 - (1) If the Airman fails to successfully complete the required formal training IAW AFI 36-2201, Volume 2, *Air Force Training Program-Training Management* and AFI 36-2101, *Classifying Military Personnel (Officer and Enlisted)* or fails to attend the first available course without permission from the commander or supervisor due to exceptional circumstances, the individual will be removed from AGR status.
- b. Applicants for E-8 positions must have the ability to complete the Senior Noncommissioned Officer Academy **within 36 months of assignment** to apply for an AGR position (If applicable).
- c. Members selected for AGR tours must meet the physical qualifications outlined in AFI 48-123, Medical Examinations and Standards, Attachment 2, Medical Evaluation for Continuation Military Service. Medical examinations must be conducted not more than 24 months prior to entry into AGR duty; an AF Form 895 must be completed if the medical examination is more than 30 days old; an HIV test must be completed within six months prior to the tour start date.
- d. AGR Airmen are subject to the provisions of ANGI 10-248, *Air National Guard (ANG) Fitness Program* until superseded by AFI 36-2905, *Fitness Program*. Airmen 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.

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- e. To accept an AGR position, applicant may not be eligible for or be receiving an Immediate Federal Retirement Annuity (military or civilian). Individuals receiving or eligible to immediately receive a federal annuity and individuals receiving or eligible to immediately receive a state annuity for service as National Guard technicians are not eligible for entry on any type of AGR tour IAW ANGI 36-101.
- f. To accept an AGR position, an applicant's military grade cannot exceed the maximum military grade authorized on the fulltime manning document for the advertised position. Applicants who are overgrade must indicate in writing a willingness to be administratively reduced in grade if selected to the position.
- g. Applicants, if selected, who are not able to complete 20 years of active federal service prior to reaching mandatory separation, must complete the Statement of Understanding contained in ANGI 36-101, Attachment 3.
- h. An individual must not have been previously separated for cause from active duty or a previous AGR tour.
- i. Military technicians may not convert in-place to AGR status. An incumbent military technician may only change to AGR status in conjunction with selection for a different fulltime position, defined as a fulltime position with a different position number.
- j. Members must remain in the position to which initially assigned for a minimum of 24 months.

3. APPLICATION PROCEDURES:

Applicants must turn in the following:

- (1) NGB Form 34-1 <http://www.thenationsfirst.org/assets/ngb-form-34-1.pdf>
- (2) Current **Individual Records Review List (RIP)** from vMPF
- (3) Most recent **Report of Individual Fitness (with a minimum composite score of 75)** from AFFMS
- (4) **SF 181 – Ethnicity and Race Identification (Mandatory)**
<http://www.thenationsfirst.org/assets/sf-181.pdf>
- (5) **AF FORM 422 (Current)**
- (6) **Last three EPRs**
- (7) **CORI documents** <http://www.thenationsfirst.org/assets/cori-request-baker--2016.pdf>
- (8) **Copy of the front and back of your driver's license**
- (9) **Pre Employment Reference Check Form** <http://www.thenationsfirst.org/assets/pre-employment-reference-check.pdf>

- a. Submit forms to the HRO representative at their servicing Manpower and Personnel Flight (MPF). If you are not currently a member of the 104th Fighter Wing, please scan and email your AGR application to the AGR Branch POC above (usaf.ma.104-fw.list.104fw-hroremote@mail.mil). Applications must arrive to the AGR Branch POC **NO LATER THAN 2359 HOURS ON THE EXPIRATION DATE OF THE BULLETIN**. Any applications that arrive to the AGR Branch POC after 2359 hrs will be returned without action. **APPLICATIONS SENT DIRECTLY TO THE HRO WILL BE RETURNED WITHOUT ACTION.**

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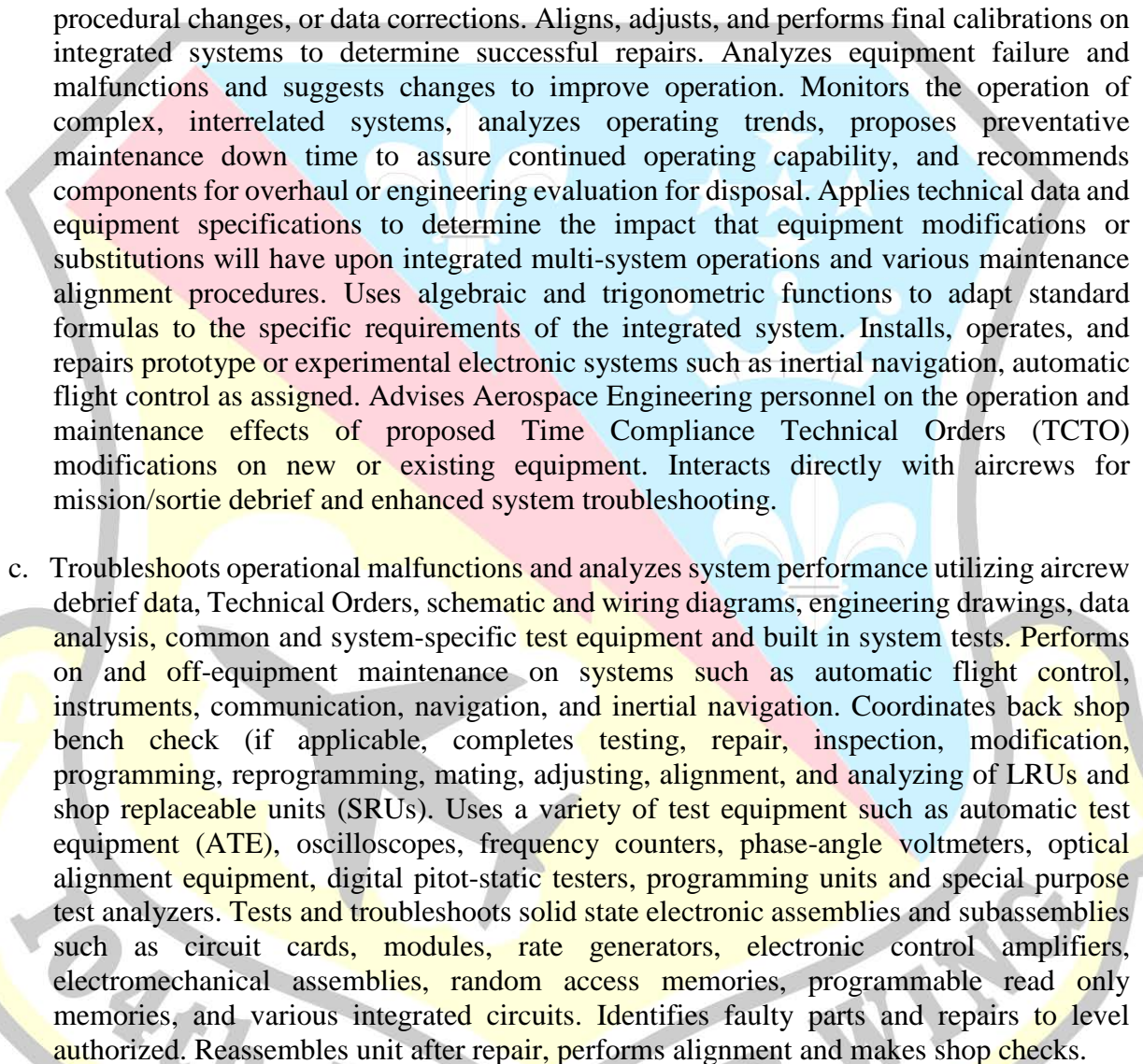
- b. MPF will certify that the applicant is/is not eligible in accordance with ANGI 36-101. Non-qualified applicants will be notified as soon as possible after receipt of their application by the HRO. All other applicants will be notified within 30 days after the completion of the selection board.

4. JOB DESCRIPTION:

- a. 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, troubleshoots, 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.

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- b. 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.
- c. 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.

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- d. 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.
- e. 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.
- f. 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, or serve as a member of a team to cope with natural disasters or civil emergencies. Complies with safety, fire, security, and housekeeping regulations.
- g. Performs other duties as assigned.

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