

DEPARTMENT OF  
DEFENSE, VETERANS AND EMERGENCY MANAGEMENT  
Military Bureau  
Joint Force Headquarters, Maine National Guard  
Camp Keyes, Augusta, Maine 04333-0033

30 December 2014

**TECHNICIAN POSITION VACANCY ANNOUNCEMENT #14-150**

**POSITION:** Nondestructive Tester (D013000) (WG-3705-5/8/10) EXCEPTED POSITION

**LOCATION:** 101st Maintenance SQ, Bangor, Maine

**SALARY RANGE:** \$36,168 to \$42,157 **WG-05**

\$41,719 to \$48,669 **WG-08**

\$45,309 to \$52,905 **WG-10**

**CLOSING DATE:** 16 January 2015

**AREA OF CONSIDERATION:**

**AREA I:** All permanent and indefinite Enlisted Excepted Technicians in the Maine Air National Guard and personnel with reemployment rights to MeANG positions.

**AREA II:** All Enlisted members of the Maine Air National Guard.

**PERMANENT CHANGE OF STATION (PCS):** PCS expenses may not be authorized for this position. Authorization for payment of PCS expenses will be granted only after a determination is made that payment is in the best interest of the Maine National Guard.

**DUTIES:** See attached duties and responsibilities.

**QUALIFICATIONS:** This position may be filled at the WG-05, WG-08 or WG-10 grade. If filled at the WG-05 or WG-08 grade, the individual selected may be promoted to the next higher grade without further competition when it has been determined that the individual meets the qualifications required for promotion to the higher grade.

**MINIMUM QUALIFICATION REQUIREMENTS:** Each applicant must show how they meet the General and Specialized Experience listed below; otherwise, the applicant may lose consideration for this job.

**GENERAL EXPERIENCE:** Experience or training which demonstrates the ability to set up and operate test equipment, use test apparatus to apply tests to material or products, record readings, observe and record established reactions, and classify according to defined categories.

**SPECIALIZED EXPERIENCE:** Must have six (6) months of experience to qualify at the WG-05 level, twelve (12) months of experience to qualify at the WG-08 level or must have eighteen (18) months of

experience to qualify at the WG-10 level. The experience, education, and/or training which required the applicant to acquire and apply each of the following knowledge, skills, and/or abilities:

#### WG-05

1. Ability to use common hand tools and make repetitive repairs.
2. Knowledge of the type of work performed by the occupational series.
3. Ability to provide assistance to the journeyman by performing the simpler and routine duties of the trade.

#### WG-08

1. Skill in the use of ultrasonic and/or eddy current inspection techniques.
2. Knowledge of characteristics of metal identification; wear metals identification and content; metal discontinuity and flaw detection.
3. Skill in recording and interpreting test results.
4. Ability to perform scheduled inspections of testing equipment.

#### WG-10

1. Knowledge of and skill in the use of ultrasonic, eddy current inspection techniques, to interpret and evaluate results.
2. Knowledge of characteristics of metal identification; wear metals identification and content; metal discontinuity and flaw detection.
3. Skill in classifying test results, identifying materials deficiencies and recommending serviceability of items.
4. Skill in performing scheduled inspections of testing equipment ensuring compliance with established technical regulations and procedures.
5. Ability to schedule work assignments by priority and workload.

**COMPATIBILITY CRITERIA:** 2A7XX **NOTE:** If you do not possess the compatible AFSC, you will not be disqualified from being considered. Selected applicant must be prepared to attend the appropriate school.

**MILITARY POSITION:** 2A7X2

**INCENTIVE PROGRAM:** Non-Technician Maine National Guard personnel who are participants (bonus recipients/student loan repayment program) may have their benefits terminated and/or recouped when employed as a permanent military Technician.

**HOW TO APPLY:** Detailed instructions are contained in an Instruction Guide titled “Technician Vacancy Announcement Guide” which should be posted with this vacancy announcement. Applicants may apply using the OF Form 612 Optional Application for Federal Employment, a resume, or any other format they choose. In addition to their basic application, applicants are strongly encouraged to complete ME Form 171, Military Experience and Training Supplement. Applications forwarded to HRO should be no more than eight (8) pages although additional pages may be submitted as necessary. Applications should include written or documented proof of education, training, and work experience deemed necessary to adequately respond to general and specialized experience factors listed in the TPVA. Professional licenses or education transcripts necessary to validate qualifications should be submitted as required in the TPVA. Do not include photo copies of awards (a military ribbon rack or civilian certificate), letters of commendation, enlisted or officer performance reports, Technician performance appraisals, and personal photos unless specifically requested in the “TPVA”. Applications must be forwarded to: Joint Force Headquarters, ATTN: HRO, Camp Keyes, Augusta, Maine 04333-0033, NOT LATER THAN the closing date. Applications received AFTER the closing date WILL NOT BE CONSIDERED. The use of government envelopes, postage or facsimile machines to submit applications is prohibited. We are allowed to receive facsimiles sent from non-government facsimile machines. The inter-office distribution system may be used. You may also e-mail it to: [ng.me.mearng.list.hro-applications@mail.mil](mailto:ng.me.mearng.list.hro-applications@mail.mil)

**APPOINTMENT:** Selectee will be required to participate in Direct Deposit/Electronic Funds Transfer as a condition of employment. The Adjutant General retains exclusive appointment authority for Technicians. No commitment will be made to any nominee prior to a review of qualifications by this office. The Maine National Guard is an Equal Opportunity Employer. All appointments and promotions will be made without regard to race, color, creed, sex, age or national origin.

**DISSEMINATION:** Supervisors, please post to bulletin boards, read at unit formations and notify personnel who may be interested. Qualified personnel who may be absent during this announcement period due to ADT, AT, TDY, school, illness, etc., should be notified.

WORK: DSN 626-6013 / COM (207) 430-6013 FAX: DSN 626-4246 / COM (207) 626-4246

FOR THE HUMAN RESOURCES OFFICER:

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LISA M. SESSIONS  
CPT, EN  
Human Resources Specialist  
(Recruitment & Placement/Compensation)

25.

a. INTRODUCTION:

The primary purpose of this position is to inspect aerospace components, parts and materials by applying magnetic particle, liquid penetrant, ultrasonic, eddy current, radiographic and optical nondestructive inspection techniques.

b. DUTIES AND RESPONSIBILITIES:

(1) Inspects aerospace components, parts and materials by use of ultrasonic and/or eddy current inspection techniques. Typical inspections are made to identify, locate and measure surface and sub-surface flaws, corrosion and separation in bonded and honeycomb structures; to determine the integrity of welds; to make precision dimensional and volume measurements; and to determine the conductivity of materials. Test indications may be represented by cathode ray tube (CRT), visual presentation, digital readout, caliper readout, printout, alarm system, or a combination. Sets up equipment and makes initial instrument settings. When available, uses standards with known properties to calibrate instruments. Uses appropriate type of ultrasonic or eddy current instrument and search unit to detect and interpret the relevancy of surface and sub-surface flaws in parts. Manipulates transducer or probe over surface of item, simultaneously watching testing equipment output for defect indicators. Takes into account false indications which may be caused by many variables, thereby affecting validity of flaw indications. Based on technical orders, quality standards, experience gained by previous inspections and trade knowledge, interprets test indications and evaluates flaws to determine nature, scope and location. Advises users as to material deficiencies and/or recommends if items are serviceable, repairable or condemned. On repairable products, records test results and marks defect areas/dimensions on surface of product or work control documents. Performs optical inspections, using magnifying stand, bore scope, and microscope.

(2) Performs liquid penetrant and magnetic particle inspections to detect and interpret the relevancy of flaws in metal parts. Parts are numerous and varied, are of ferrous and/or nonferrous metals, and consist of surface or near surface discontinuities in the metal, e.g., fatigue cracks, welding overlap, cold shut, or surface cracks which may stem from internal flaws. Performs all processing tasks, i.e., dipping items in penetrant baths, washing and drying, magnetizing and demagnetizing ferrous items, and subjecting the items to ultraviolet lighting to detect and evaluate flaws, their nature, size, scope, and location. Applies a practical knowledge of the various shapes, sizes and density of flaw indications and references quality control directives and technical orders to identify material deficiencies and/or recommend serviceability of items.

(3) Operates radiographic equipment to examine a variety of parts with varied configuration characteristics and inspection locations. Determines inspection requirements and area to be x-rayed. Determines number of radiographs needed, orientation of equipment relative to item being radiographed, tube to film distance, exposure time and other factors needed to obtain exposure of the proper density and contrast. Develops exposed film using automatic

equipment or manual processing. Examines film to identify material deficiencies or unusual or extraneous indications, referring same to higher authority for resolution as necessary. Radiographs may be taken in shielded x-ray facilities or in open areas. When working in unshielded areas, determines hazardous area for personnel based on probable exposure factors, equipment barriers and warning devices to prevent entry to unauthorized personnel. Insures that no one is in hazardous area at time of exposure and that inspection personnel are in shielded areas. Strictly enforces all safety precautions, and monitors and records all radiation emission.

(4) Notifies Quality Control, Engineering or shop chief of abnormal defects for which no repair/inspection instructions are available or reason for parts failure is unknown.

(5) May be required to prepare engine oil and other fluid samples for spectrometric oil analysis and evaluate test results for the unit's aircraft, those of other military units, and defense contractors. Daily, stabilizes CAP system, burns standards, and calibrates equipment, as required. Forwards daily calibration burns to appropriate authority. Runs samples from engines, checking prescribed elements. Based on findings, recommends engine components to inspect. May recommend grounding of aircraft. Runs monthly correlation tests; forwards results to appropriate authority. Recalibrates monthly.

(6) Performs scheduled inspection and maintenance of equipment in Nondestructive Inspection (NDI) shop, e.g., magnetic particle, dye penetrant, ultrasonic, eddy current, x-ray, and x-ray film processing equipment.

(7) Performs other related duties as assigned.