

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

02 February 2013

TECHNICIAN POSITION VACANCY ANNOUNCEMENT #13-017

POSITION: Surface Maintenance Mechanic (D1195000) (WG-5801-11) EXCEPTED POSITION

LOCATION: FMS # 3, Bangor, Maine

SALARY RANGE: \$46,415 to \$54,179 per annum

CLOSING DATE: 19 February 2013

AREA OF CONSIDERATION: Open **ONLY** to all qualified permanent and indefinite Maine Army National Guard (**E-7 to E-6**) Enlisted Technicians currently assigned as a Surface Maintenance Mechanic.

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.

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

GENERAL EXPERIENCE: Experience, education, or training which demonstrates the candidate has enough knowledge of equipment to be able to do routine jobs, simple preventative maintenance tasks, and is able to use common tools and equipment in the line of work.

SPECIALIZED EXPERIENCE: Must have eighteen (18) months experience for the WG-11 which required the applicant to acquire and apply each of the following knowledge, skills, and/or abilities:

WG-11

1. Knowledge of and skill in repairing, overhauling and rebuilding major assemblies and systems of surface maintenance equipment.
2. Ability to troubleshoot complex malfunctions requiring knowledge of the interaction of several subsystems.
3. Skill in use of hand tools and precision measuring equipment such as micrometers, vernier calipers, dial indicators, wrenches and screwdrivers.

4. Skill in use of diagnostic and test equipment such as digital multimeters, engine analyzers, and computer diagnostic tools.
5. Ability to interpret technical manuals, illustrations, specifications, diagrams and schematics to make repairs and modifications.
6. Ability to facilitate production using judgment and analysis in areas such as determining work time, preparing and implementing procedures, interpreting technical data, etc.

SPECIAL REQUIREMENT: MUST HAVE A VALID STATE DRIVER'S LICENSE.

This will be verified by Interviewing Official.

COMPATIBILITY CRITERIA: ENL CMF: 12, 13, 14, 19, 25, 88, 91, 92, 94

SUBSTITUTION OF EDUCATION FOR SPECIALIZED EXPERIENCE: Study successfully completed in a college, university, technical or vocational school may be substituted for experience at the rate of one year of study (30 semester hours or 20 classroom hours of instruction per week) for 6 months of experience. Courses must be directly related to the work of a Surface Maintenance Mechanic. **Applicant must provide a copy of transcripts to receive credit.**

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: HROTECH@me.ngb.army.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 626-6017 / COM (207) 430-6017 FAX: DSN 626-4246 / COM (207) 626-4246

FOR THE HUMAN RESOURCES OFFICER:

//s//

MSG CRAIG P. BAILEY
Human Resources Specialist
(Recruitment & Placement/Compensation)

a. INTRODUCTION: This position is located in the Joint Forces Headquarters—State, Logistics Directorate (J-4), Surface Maintenance Facility. The purpose of this position is to troubleshoot, repair, maintain, inspect, and/or overhaul a variety of complex combat, tactical, commercial, and special purpose vehicles and equipment having complicated mechanical and non-mechanical systems with a variety of interconnected systems. Provides technical guidance and specialized team leadership to lower grade employees.

b. DUTIES:

(1) Performs maintenance, troubleshooting, and major repair on heavy-duty mobile equipment, combat, tactical, and automotive vehicles. This may include self-propelled artillery, tracked cargo and personnel carriers, road graders, mobile cranes, front loaders, bulldozers, power shovels, tanks, tracked combat vehicles, all terrain vehicles, semi trailers, forklifts, tractors, and accessory equipment. Troubleshoots, repairs and/or overhauls, as a regular and recurring duty, a variety of the mechanically complex major systems to include internal combustion engines, turbine engines, automatic and non-automatic transmissions, heavy duty drive line systems, and hydraulic utility systems and controls, cross drive or similar multi-system transmissions and a variety of intricate fuel injection systems. Makes repairs and modifications to assemblies and components such as voltage regulators, generators/alternators, brake cylinders, etc., for use or placement in systems for which they were not specifically designed. Improvises work when standard procedures do not apply.

(2) Troubleshoots equipment with a variety of the mechanically complex major systems and diagnoses difficult performance problems and the cause of mechanical failures by means of visual and auditory checks, uses test equipment such as engine analyzers, compression testers, voltmeters, ohmmeters, pressure gauges and computer diagnostic tools. Utilizes embedded diagnostics in equipment and a wide variety of specialized original equipment manufacturer system analyzers in order to determine the exact nature or extent of repair. Determines what adjustments may be necessary to complete work orders, and whether any additional repairs other than those specified or indicated on the work order are necessary.

(3) Removes and disassembles engines and complex major assemblies, sub-assemblies, components, and fuel, hydraulic, and oil pressure systems. Makes the appropriate repairs, overhaul, or modifications in accordance with the proper repair specifications and procedures, and improvises repair techniques when standard procedures are not available. Reassembles engines and other systems, and adjusts, tests, and reinstalls in vehicles and equipment as necessary. Makes adjustments and repairs to electrical and suspension systems. Repairs equipment with a variety of interconnected systems to include state of the art electrical and electronic, fuel injection, interconnected gear reduction, multiple engine, and similarly complex systems. Improvises, substitutes, or alters components or parts to fit into systems for which the items were not specially designed or finds other ways to correct defects when existing methods and procedures do not give desired results.

(4) Independently performs repairs and maintenance functions with little or no supervision in remote locations. Provides technical guidance and specialized team leadership to lower grade employees within the team. Assists lower grade mechanics in performing major repair work on interconnected complex systems such as electrical, air and hydraulic systems, complex state of the art electrical and electronic systems that use specialized diagnostic equipment to identify problems, complex fuel injection systems and other similar complex systems. May provide Field and limited Sustainment maintenance at unit locations as part of a “contact team.”

(5) Conducts readiness and repair inspections on vehicles and associated equipment supported by the activity. Performs operational inspections and ensures vehicles and equipment are properly serviced, including brake adjustments, replacing hydraulic fluids, greasing, cleaning, etc., and performs other preventive maintenance operations as required. Inspects supported equipment prior to use during Inactive Duty Training (IDT) and Annual Training (AT), to ensure that it is functioning properly. May inspect in-process repair work of lower graded repairer to ensure equipment is being repaired in accordance with pertinent requirements. May serve as a commodity inspector during Command Maintenance Management evaluations (COMET) or as a member of a Maintenance Assistance Instruction Team (MAIT). Instructs operator/crew in the maintenance of equipment and provides technical advice and assistance to supported units when requested.

(6) Performs electrical repairs on complex state of the art electrical and electronic systems requiring extensive training on specialized diagnostic equipment to identify problems.

(7) Assists in the maintenance of production reports and records, and makes recommendations to the supervisor. Plans, organizes, and performs technical analyses as required or assigned. Makes recommendations to the supervisor as to adjustments necessary to effectively, efficiently and economically accomplish the work and maximize production.

(8) Performs other duties as assigned.

c. SKILL AND KNOWLEDGE:

-- Extensive knowledge of the mechanical makeup, operation, and working relationships of complex interconnecting systems, assemblies, and parts for a variety of combat, tactical, commercial, special purpose vehicles and equipment.

-- Ability to diagnose, repair, overhaul, and modify interconnected complex systems on a variety of combat, tactical, commercial, special purpose vehicles and equipment.

-- Extensive knowledge of state of the art electrical, electronic, complex hydraulic, pneumatic, and other major non-mechanical systems that have a functional relationship and effect on the operation of major mechanical systems.

-- Extensive knowledge of hydraulic lifting, loading, turning, and positioning systems and their mechanical, hydraulic, pneumatic, electrical, and electronic controls.

-- Knowledge of electronics, sufficient to utilize state of the art diagnostic equipment to identify and replace defective components, such as electronic control modules, line replacement units, chips, sensors, printed circuit boards, and other standard components.

-- Ability to repair or overhaul major components such as diesel, multi-fuel or gasoline engines, turbine engines, automatic and manual transmissions, drive line assemblies, electrical and electronic systems and accessories, fuel injection systems, and emission control systems.

-- Skill to use a wide variety of test and diagnostics equipment to perform fault isolation and conduct repair of combat, tactical, commercial, special purpose vehicles and equipment. Ability to operate and understand original equipment manufacturer state of the art computerized

diagnostic equipment and embedded diagnostics. Knowledge and understanding of how measurements and tolerances impact on the mechanical, hydraulic, pneumatic, electronic, and electrical systems and the components of each system.

-- Skill and knowledge to develop or improvise methods, alter parts, and make repairs in the absence of technical guidelines (such as modifying parts to fit and mesh into systems for which the parts were not designed); improvise modifications to equipment to correct recurring malfunctions; and design modifications to meet special test requirements or other special needs.

d. **RESPONSIBILITY**: The supervisor provides general supervision and assigns work in the form of inspection reports, work orders, and verbal instructions. Exercises significant judgment and independence to determine methods and techniques required to solve complex and unusual problems, plan work sequences, diagnose difficult performance problems, and improvise replacement assembly repair and trouble-shooting techniques when standard procedures do not suffice. Exercises significant judgment to select work methods, repair parts, tools and equipment, and to accomplish assignments through to completion. Work is accomplished with little or no review during progress or upon completion.

e. **PHYSICAL EFFORT**: Work is performed in tiring or uncomfortable positions for long periods. There is frequent standing, bending, reaching, stretching, climbing, and crouching; or working on top of, under, and in tight compartments or cramped or awkward positions. Performs strenuous work while standing, lying, or sitting. Frequently lifts and carries items, unassisted, weighing up to 40 pounds; and often exerts similar effort in pushing, pulling, and positioning parts, assemblies, and equipment. Frequently lifts and moves heavier items with the assistance of other workers or with lifting devices such as jacks, hoists, and cranes. May be required to work from ladders or work platforms at varying heights.

f. **WORKING CONDITIONS**: Work is performed both inside and outside. When inside, the incumbent is frequently exposed to drafts, changing temperatures, and noise which is difficult to talk above. When outside, the incumbent is exposed to bad weather, in mud or snow, and in wet or icy areas. The incumbent is frequently exposed to irritations or discomfort from dust, heat, fumes, and hard damp floors or ground. Typically works on parts and systems, which are dirty, oily, or greasy. Frequently exposed to the possibility of cuts, burns, bruises, and sprains while repairing, positioning, and moving equipment. Often exposed to the possibility of falls while repairing, positioning, and moving equipment; and skin irritations from acid, fluids, and lubricants. Uses safety equipment such as protective ear devices, hard hats, hard-toe shoes, respirators, and protective clothing, which may be uncomfortable to wear or use and may be worn or used for long periods.

g. **OTHER SIGNIFICANT FACTS**: Incumbent may be required to prepare for and support the mission through the accomplishment of duties pertaining to military training, military readiness, force protection and other mission related assignments including, but not limited to, training of traditional Guard members, CWDE/NBC training, exercise participation (ORE/ORI/UCI/MEI/OCI/IG, etc.), mobility exercise participation, FSTA/ATSO exercise participation, SABC training, LOAC training, weapons qualification training, participation in military formations, and medical mobility processing within the guidelines of NGB/ARNG/ANG/State/TAG rules, regulations and laws.