



NEW JERSEY NATIONAL GUARD

ACTIVE GUARD RESERVE (AGR)



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|------------------------|-------------|-------------------|--------------------|
| POSITION TITLE: | AFSC | OPEN DATE: | CLOSE DATE: |
|------------------------|-------------|-------------------|--------------------|

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|--|---|
| UNIT OF ACTIVITY/DUTY LOCATION: | GRADE REQUIREMENT: Min: Max: |
|--|---|

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|------------------------------|--|--|
| SELECTING SUPERVISOR: | | |
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AREAS OF CONSIDERATION

MAJOR DUTIES

INITIAL ELIGIBILITY CRITERIA

ACTIVE GUARD AND RESERVE REQUIREMENT

TECHNICIANS ENTERING AGR TOUR AND BONUS/INCENTIVES RECIPIENTS

SPECIAL ANNOUNCEMENT CRITERIA

APPLICATION PROCEDURES

INSTRUCTIONS TO COMMANDERS/SUPERVISORS: Selecting supervisor will contact qualified applicants for interviews after receipt of selection register from HRO REMOTE. After completion of interview, send selection register to HRO REMOTE. After the Human Resources Officer HRO approves the selection package, the HRO office will send a notification letter to notify all applicants of their selection/non- selection.

THE NEW JERSEY NATIONAL GUARD IS AN EQUAL OPPORTUNITY EMPLOYER

All applicants will be protected under Title VI of the Civil Rights Act of 1964. Eligible applicants will be considered without regard to race, color, religion, gender, national origin, or any other non-merit factor. Due to restrictions in assignment to certain units and AFSC some positions may have gender restrictions.

AFSC 2A691, Superintendent
 AFSC 2A671*, Craftsman
 AFSC 2A651*, Journeyman
 AFSC 2A631*, Apprentice
 AFSC 2A611*, Helper

AEROSPACE PROPULSION (Changed 17 Apr 24)

1. Specialty Summary. Inspects, maintains, modifies, tests, and repairs, turboprop and turboshaft engines, jet engines, small gas turbine engines, and engine ground support equipment (SE). Manages aerospace propulsion functions and activities. Related DOD Occupational Subgroup: 160100.

2. Duties and Responsibilities:

- 2.1. Plans, organizes, and directs aerospace propulsion maintenance activities. Interprets and implements directives and publications pertaining to maintenance functions, including environmentally safe maintenance practices. Determines resource requirements, including facilities, equipment, and supplies. Inspects and evaluates maintenance activities.
- 2.2. Advises, performs troubleshooting, performs engine health management, and determines repair procedures on aircraft engines. Diagnoses and repairs malfunctions using technical publications and Interactive Electronics Technical Manuals (IETMS). Solves maintenance problems by studying drawings, wiring and schematic diagrams, technical instructions, and analyzing operating characteristics of aircraft engines and propellers. Inspects, certifies, and approves completed maintenance actions.
- 2.3. Removes, installs, inspects, repairs, and modifies engines, engine modules and components, Disassembles and assembles engines adhering to prescribed procedures. Prepares engines for installation, storage, or transportation. Tests components using bench mockups and test equipment. Installs and removes engines on test stands, and operates, evaluates, and performs test stand functions on engines. Accomplishes operator maintenance on test stands. Inspects and maintains engine ground SE. Operates and performs operator inspections on related SE. Selects, uses, and cares for special tools, hand tools, and test equipment. Uses and disposes of hazardous waste and materials.
- 2.4. Analyzes, interprets, and recommends maintenance actions based on unscheduled engine removals and engine monitoring system data. Coordinates with the base engine manager to analyze scheduled engine removals; recommends forecast actions to the weekly or monthly maintenance schedules.

3. Specialty Qualifications:

- 3.1. Knowledge. Knowledge is mandatory of: mechanical, hydro mechanical, electrical, and hydraulics principles applying to jet and turboprop engines, and oil analysis principles; wear metal criteria and guidelines; concepts and application of maintenance directives; using and interpreting diagrams and technical publications; and the proper handling, use, and disposal of hazardous waste and materials.
- 3.2. Education. For entry into this specialty, completion of high school with courses in general science, mechanics, or mathematics is desirable.
- 3.3. Training. For award of AFSC 2A631C/D/E or H, completion of a basic, suffix specific, aerospace propulsion maintenance course is mandatory.
- 3.4. Experience. The following experience is mandatory for award of the AFSC indicated:
 - 3.4.1. 2A651C. Qualification in and possession of AFSC 2A631C. Also, experience in functions such as installing, maintaining, isolating malfunctions, or repairing aircraft turbine engines.
 - 3.4.2. 2A651F. Qualification in and possession of AFSC 2A631D or 2A631E. Also, experience in functions such as installing, maintaining, or repairing aircraft turbine engines.
 - 3.4.3. 2A651H. Qualification in and possession of AFSC 2A631H. Also, experience in functions such as installing, maintaining, isolating malfunctions, or repairing aircraft turbine engines.
 - 3.4.4. 2A671C. Qualification in and passion of AFSC 2A651C. Also, experience performing or supervising repair functions involving installation, repair, testing, or modification of engines.
 - 3.4.5. 2A671F. Qualification in and possession of AFSC 2A651F. Also, experience performing or supervising functions involving installation, repair, testing, or modification of engines.
 - 3.4.6. 2A671H. Qualification in and possession of AFSC 2A651H. Also, experience performing or supervising functions involving installation, repair, analyzing and isolating malfunctions, testing, or modification of engines.
 - 3.4.7. 2A691. Qualification in and possession of AFSC 2A671F. Also, experience managing or directing repair activities for aerospace aircraft engines, and associated maintenance functions.
- 3.5. Other. The following are mandatory as indicated:
 - 3.5.1. For entry into this specialty:
 - 3.5.1.1. Normal color vision as defined in AFI 48-123, *Medical Examinations and Standards*.
 - 3.5.1.2. See attachment 4 for additional entry requirements.
 - 3.5.2. For award and retention of these AFSCs:
 - 3.5.2.1. Must maintain local network access IAW AFI 17-130, *Cybersecurity Program Management* and AFMAN 17-1301, *Computer Security*.

3.5.2.2. Specialty requires routine access to Tier 3 (T3) information, systems, or similar classified environment.

3.5.2.3. Completion of a current T3 Investigation required IAW DoDM 5200.02, AFMAN 16-1405, *Air Force Personnel Security Program*, is mandatory

NOTE: Award of the entry level without a completed T3 Investigation is authorized provided an interim Secret security clearance has been granted according to DoDM 5200.02, AFMAN 16 -1405.

4. ***Specialty Shredouts:**

| <i>Suffix</i> | <i>Portion of AFS to Which Related</i> |
|---------------|---|
| C | TF33, CF6, F103, F108, F117, TFE-731, TF39, PW 2040, F138 Jet Engines (Airlift, Special Mission, and B-52 aircraft) |
| D | F100, F119, F135 Jet Engines (F-15, F16, F-22 aircraft) |
| E | F101, F110, F118, TF34 Jet Engines (A-10, B-1, B-2, F-16, U-2 aircraft) |
| F | F100, F101, F110, F118, F119, F135, TF34 Jet Engines (A-10, B-1, B-2, F-15, F-16, F-22, F-35, U-2 aircraft) |
| H | Turboprop and Turboshift Propulsion (helicopter, propeller, tiltrotor aircraft) |

NOTE: Shredout C is applicable at the 1-, 3-, 5-, and 7- skill levels only.
 Shredout D is applicable at the 1- and 3-skill levels only.
 Shredout E is applicable at the 1- and 3-skill levels only.
 Shredout F is applicable at the 5- and 7- skill level only.
 Shredout H is applicable at the 1- 3-, 5-, and 7-skill levels only.