POSITION DESCRIPTION

1. Agency PDCN ~~F9112000~~ D0324000

2. Reason for Submission	3. Service	4. Empl Office Location	5. Duty Station	6. OPM Cert #
Redescription X New Reestablishment Other Explanation (Show Positions Replaced) Replaces F223100, F4314000, F4132000 F4147000, F4220000, F4262000, F4288000, F4290000, F5411000,	HQ Field X			

7. Fair Labor Standards Act	8. Financial Statements Required	9. Subject to IA Action
Not Applicable	Exec Pers Financial Disclosure Employment & Financial Interests	Yes X No

10. Position Status	11. Position is	12. Sensitivity	13. Competitive Level
Competitive Excepted (32 USC 709) X SES (Gen) SES (CR)	Supervisory Managerial Neither X	Non-Sensitive Noncritical Sens Critical Sens Special Sens	14. Agency Use Dual Status

15. Classified/Graded by
a. US Office of Pers Mgt b. Dept, Agency or Establishment X c. Second Level Review d. First Level Review

Official Title of Position	Pay Plan	Occupational Code	Grade	Initials	Date
Powered Support Systems Mechanic	WG	5378	10	JT	29 Jun 90

16. Organizational Title (If different from official title)

17. Name of Employee (optional)

18. Dept/Agency/Establishment - National Guard Bureau
a. First Subdivision - State Adjutant General
b. Second Subdivision - ANG Fly Actys and mission Supt units
c. Third Subdivision -
d. Fourth Subdivision -
e. Fifth Subdivision -

19. Employee Review. *This is an accurate description of the major duties and responsibilities of my position.*
Employee Signature /Date (optional)

20. Supervisory Certification. *I certify that this is an accurate statement of the major duties and responsibilities of this position and its organizational relationships, and that the position is necessary to carry out Government functions for which I am responsible. This certification is made with the knowledge that this information is to be used for statutory purposes related to appointment and payment of public funds. False or misleading statements may constitute violations of such statutes or their implementing regulations.*

a. Typed Name and Title of Immediate Supervisor
Signature | Date

b. Typed Name and Title of Higher-Level Supervisor/Manager (optional)
Signature | Date

21. Classification/Job Grading Certification: *I certify this position has been classified/graded as required by Title 5 USC, in conformance with USOPM published standards or, if no published standards apply directly, consistently with the most applicable standards.*

Typed Name and Title of Official Taking Action
Jan Turberville

Signature
Date 29 Jun 90

22. Standards Used in Classifying/Grading Position
U.S. OPM JGS for Powered Support Systems Mechanic, WG-5378, dtd

Information For Employees. *The standards and information on their application are available in the personnel office. The classification of the position may be reviewed and corrected by the agency or OPM. Information on classification/job grading appeals is available from the personnel office.*

23. Position Review	Initials	Date	Initials	Date	Initials	Date	Initials	Date	Initials	Date
a. Employee (Opt)										
b. Supervisor										
c. Classifier										

24. Remarks:
Released from NGB-EPC, ID # CRA90-1014

25. Description of Major Duties and Responsibilities (SEE ATTACHED)

25.

a. INTRODUCTION: This position is located in the Aerospace Ground Equipment Section at ANG Flying Activities and mission support units. The primary purpose of this position is to accomplish maintenance on electronically controlled powered support equipment containing highly complex digital devices and integrated circuits.

b. DUTIES:

(1) Responsible for the accurate interpretation of numerous manufacturer drawings, specifications, operating instructions, and test procedures, to troubleshoot, calibrate, align and repair a variety of highly complex pieces of powered support equipment. This includes identifying, repairing or replacing numerous electronic (both digital and analog) components. It also includes the repair of composite materials and state of the art gas compressor turbines and electronically controlled engines. Troubleshoots, repairs, adjusts and aligns down-sized powered support equipment. Uses a variety of sophisticated testers, such as analyzers, digital meters, oscilloscopes and other measuring devices to determine repair requirements. Corrects unusual maintenance problems, by interpreting a variety of technical data such as tables, charts, formulas, color codes, wiring diagrams, and schematic symbols. Does circuit analyses, considers integrated circuit relationships, and applies electronic principles in order to fault-isolate and repair the various digital devices contained in highly complex powered support equipment.

(2) Performs inspections, preventive maintenance, servicing, repair, and adjustments on complex rotary diesel engines.

(3) Must independently determine work sequences, specifications, and special procedures to be used to fault-isolate and repair unusual problems in various pieces of powered support equipment. Conducts classes to train maintenance personnel in operations, test procedures, and troubleshooting requirements of highly complex powered support equipment.

(4) Performs intermediate-level maintenance on powered support equipment and non-powered AGE. This includes working on cryogenic equipment, engine and generator changes, removing, repairing, and overhauling of accessories, and rebuilding of units. Engine rebuilding such as removal and replacement of crankshafts, pistons, and other integral parts. Replaces, checks and adjusts valves, bearings, cams, clutches, bushings, springs, armatures, pushrods, exhaust manifolds, tubing, hose and defective wiring. Diagnoses gas turbine malfunctions, using visual and auditory senses, test equipment and applicable technical publications; makes repairs, removes, disassembles and assembles components and sub-systems.

(5) Troubleshoots, repairs, overhauls, modifies and operates aerospace ground equipment such as AC and DC power generators, various types of internal combustion engines, air compressors, blowers, hydraulic test stands, cabin leakage testers, portable diesel engine driven generators, emergency lighting units, de-icers, heaters, load banks, hydrostatic testers, cryogenic carts, decontamination units, thermal bath, vacuum pumps, flow meters, lavatory service trailers, air conditioners and various pieces of non-powered AGE. Performs required TCTOs and other modifications on powered support equipment. Performs corrosion control duties such as inspection, cleaning, stripping, sanding, priming and painting of AGE. Performs inspections, calibration and repair on test and shop equipment.

(6) Performs maintenance data collection, and prepares other required forms. Maintains Technical Orders, Technical Order Files, commercial technical publications and other directives pertinent to the section. Submits Technical Order Improvement Reports, Material Deficiency Reports and suggestions when required. Ensures that all waste products are properly disposed of and the effective waste minimization processes are used.

(7) Prepares for and participates in various types of readiness evaluation such as ORI, IG and UE inspections, mobility, and command support exercises. May be required to perform such additional duties as 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 cope with natural disasters or civil emergencies.

(8) Participates and assists in conducting the necessary safety program for the Aerospace Ground Equipment activity.

(9) Performs other duties as assigned.

c. SKILL AND KNOWLEDGE:

Requires a thorough knowledge of the mechanical and electrical makeup and operation of powered and non-powered support systems including their major components.

d. RESPONSIBILITY:

Works under the general supervision of a higher graded Powered Support Systems Mechanic or the Powered Support Systems Mechanic Supervisor who provides general instructions, standard procedures, priorities and policies. Work is reviewed for efficient and economical accomplishment within priorities and controls received.

e. PHYSICAL EFFORTS:

Physical effort involves stooping, bending, stretching, standing, climbing, and working in tiring and uncomfortable positions. Requires moderate to strenuous physical exertion including pushing and shoving of wheeled AGE. Lifts heavy equipment and components weighing up to 90 pounds.

f. WORKING CONDITIONS:

Works indoors and outdoors, in inclement weather, on icy, wet and slippery ramps, aircraft surfaces and work stands, and in temperature and humidity extremes. Subject to the dangers from toxic fumes, oil, heat, fluids, shock, high noise level, possible cuts, abrasions and burns, extremely low temperature cryogenic liquids and extremely high air pressures.

POSITION DESCRIPTION ADDENDUM

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. These tasks have no impact on the classification of this position and should NOT be addressed in any technician's performance standards.

EVALUATION STATEMENT

A. Title, Occupational Series and Grade: Powered Support Systems Mechanic, WG-5378-10
B. References:

1. U.S. OPM JGS for Powered Support Systems Mechanic, WG-5378, dtd Sep 74.
2. U.S. OPM JGS for Electrical Equipment Repairer, WG-2854, dtd Aug 74.

C. Background Information: This position description is being developed in order to update the duties being performed.
D. Occupational Series, Title and Grade Determination:

1. Series: The purpose of this position is to accomplish maintenance on electronically controlled powered support equipment containing highly complex digital devices and integrated circuits. The WG-5378 standard involves making a variety of repairs to powered and non-powered ground and similar support equipment used for aircraft ground servicing and general utilities which include standby and emergency power generating systems. The WG-2854 standard involves troubleshooting, repair, modification and general maintenance of electrical equipment such as AC and DC motors, generators, etc. Since this position was established to repair and maintain powered and non-powered ground equipment the best series for this position is WG-5378.
2. Title: Based on the standard the appropriate title for this position is Powered Support Systems Mechanic.
3. Grade: This position involves a mix of duties in the WG-5378 and WG-2854 series. In comparing the duties with the standards it was determined that both met the same grade level. However, since the primary purpose of the position falls within the WG-5378 series it is used for the grading of the position. There are two factors considered significant for grading purposes. They are: Skill and Knowledge and Responsibility.

(a) Skill and Knowledge:

This position involves troubleshooting, repairing, overhauling and modifying powered and non-powered aerospace ground equipment such as AC and DC power generators, air compressors, cryogenic equipment, hydraulic test stands, etc. The incumbent performs circuit analyses and applies electronic principles to troubleshoot and repair various digital devices contained in complex powered support equipment and interprets tables, color codes, wiring diagrams and schematics. This type work meets the WG-10 level of the standard.

(b) Responsibility:

Receives general information about assignments from work orders or verbally from a higher graded Powered Support Systems Mechanic or the Powered Support Systems Mechanic Supervisor. Work is subject to spot check upon completion for acceptability and adherence to instructions and established standards. This meets the WG-10 level of the standard.

E. Conclusion: This position is properly classified as a Powered Support Systems Mechanic, WG-5378-10.

Name of Classifier: Jan Turberville Center: NGB-EPC Date: 29 Jun 90