

**POSITION DESCRIPTION** (Please Read Instructions on the Back)

1. Agency Position No.

R9560WID

2. Reason for Submission <input type="checkbox"/> Redescription <input checked="" type="checkbox"/> New <input type="checkbox"/> Reestablishment <input type="checkbox"/> Other <i>(Show any positions replaced)</i>		3. Service <input type="checkbox"/> Hdqtrs. <input checked="" type="checkbox"/> Field		4. Employing Office Location		5. Duty Station		6. OPM Certification No.	
7. Fair Labor Standards Act, N/A <input type="checkbox"/> Exempt <input type="checkbox"/> Nonexempt				8. Financial Statements Required <input type="checkbox"/> Executive Personnel Financial Disclosure <input type="checkbox"/> Employment and Financial Interests		9. Subject to IA Action <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
10. Position Status <input type="checkbox"/> Competitive <input checked="" type="checkbox"/> Excepted (Specify in Remarks) <input type="checkbox"/> SES (Gen.) <input type="checkbox"/> SES (CR)				11. Position Is: <input type="checkbox"/> Supervisory <input type="checkbox"/> Managerial <input checked="" type="checkbox"/> Neither		12. Sensitivity <input type="checkbox"/> 1-Non-Sensitive <input type="checkbox"/> 3-Critical Sensitive <input type="checkbox"/> 2-Noncritical Sensitive <input type="checkbox"/> 4-Special Sensitive		13. Competitive Level Code	
14. Agency Use <b>ENLISTED</b>									

15. Classified/Graded by	Official Title of Position	Pay Plan	Occupational Code	Grade	Initials	Date
a. U.S. Office of Personnel Management						
b. Department, Agency or Establishment	Maintenance Mechanic	WG	4749	10	dep	26 Dec 90
c. Second Level Review						
d. First Level Review						
e. Recommended by Supervisor or Initiating Office						

16. Organizational Title of Position (if different from official title)

17. Name of Employee (if vacant, specify)

18. Department, Agency, or Establishment National Guard Bureau	c. Third Subdivision Range Division
a. First Subdivision State Adjutant General	d. Fourth Subdivision
b. Second Subdivision ARNG Major Training Area	e. Fifth Subdivision

Employee Review—This is an accurate description of the major duties and responsibilities of my position.

Signature of Employee (optional)

**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 relating to appointment and payment of public funds, and that false or misleading statements may constitute violations of such statutes or their implementing regulations.

a. Typed Name and Title of Immediate Supervisor

b. Typed Name and Title of Higher-Level Supervisor or Manager (optional)

Signature	Date	Signature	Date
	1/2/91		

21. Classification/Job Grading Certification. I certify that this position has been classified/graded as required by Title 5, U.S. Code, in conformance with standards published by the U.S. Office of Personnel Management or, if no published standards apply directly, consistently with the most applicable published standards.

22. Position Classification Standards Used in Classifying/Grading Position  
JGS for Maintenance Mechanic, WG-4749, May 74.

Typed Name and Title of Official Taking Action  
DAVID E. PATE  
Position Classification Specialist

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 the U.S. Office of Personnel Management. Information on classification/job grading appeals, and complaints on exemption from FLSA, is available from the personnel office or the U.S. Office of Personnel Management.

Signature: Date: 26 Dec 90

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

Remarks

25. Description of Major Duties and Responsibilities (See Attached)

25.

a. INTRODUCTION:

This position is located in the Multi Purpose Range Complex Division, Directorate of Plans, Training and Mobilization of an Army National Guard Major Training Area. Position is established for the purpose of the incumbent to perform as a member of a maintenance team operating and maintaining a Remote and Moving Target System within the Multi Purpose Range Complex. Incumbent will perform duties of a mixed nature that involves the Electronics, Electrician and Pneudraulic Systems Mechanic Series. No particular series has been determined as being predominant. Performs preventive maintenance and repairs.

b. DUTIES AND RESPONSIBILITIES:

(1) Performs organizational, direct, general support level field/shop maintenance on the Target Holding Mechanism Tank Gunnery (THMTG), Armor Moving Target Carrier (AMTC), Infantry Remote Target System (IRETS), Infantry Moving Target Carrier System (IMTS), M31A1 and M30, smoke and hostile fire simulators. Test, charge and install 12/24 volt batteries. Provides technical advice and assistance to lower graded employees in the performance of assigned duties.

(2) Inspects, tests, service, adjust, align, calibrate, install, repair, replace, recondition, troubleshoot, field test and/or shop test target mechanisms and hit sensor devices. Uses shop bench test mock-up to test hydraulic and electrical/electronic meters, oscilloscope, logic probe, and pressure gages. Replaces/repairs defective hardware and parts such as: relays, switches, assemblies, cables, target elevating mechanisms, hydraulic cylinders, piping, valves, pumps, junction boxes, solenoids, electric motors, rectifiers, diodes, transformers, rheostat, transistors, resistors, capacitors, thermal panels and other components.

(3) Fabricates and repairs electrical power/data cables, hit sensor cable assemblies, hard-wire control power distribution/switch devices, etc. Performs routine flatwork welding repairs to metal mechanical target mounting devices. Uses oxygen-acetylent welder to heat-treat and straighten target mounting arms, cut repair splices and to join metal surfaces to repair live-fire damage.

(4) Loads and unloads explosive Hoffman devices. Loads oxygen/propane on simulators. Following standard measurements and specifications fabricates and repairs plastic, metal, wooden and cardboard targets.

(5) Operate computer keyboard console to activate target mechanisms and to perform maintenance. Operate two-way radio equipped four wheel motor vehicles up and including 2 1/2 ton trucks to transport self, materials, and others to worksites. Performs operational checks on vehicles and fills out log books and trip tickets as required. May be required to perform range maintenance duties on other ranges.

(6) Performs other duties as assigned.

c. SKILL AND KNOWLEDGE: Must have broad knowledge of electronic, electrical and pneudraulic shop and trade practices in repairing target holding mechanisms. Knowledgeable in target electromechanical, power distribution, and signal control devices. Skilled in reading electronic, electrical and pneudraulic schematics and diagrams. Skill to use soldering iron, radial arm and electrical hand saws, hand drill and general electrical and mechanical hand tools in providing repair and parts replacement. skilled in the use of tent mock-ups, multimeters, oscilloscopes, logic probes, pressure gages, ammeter, regulated power supply, and transistor tester in effecting serviceability test and repairs. Skill to use oxygen-acetylene welder for flatwork cutting and welding. Must be able to read technical manuals, schematic diagrams, and similar guides which cover operation and maintenance of target systems and testing techniques. Knowledge of the range layout and locations of target devices. Knowledge of safety practices related to electrical repair work, target devices, hostile fire and smoke simulators, Hoffman devices and range safety practices, and standing operating procedures. Knowledge of all operator, organizational, direct support, and general support maintenance manuals of remote target system and all governing directives. Knowledge of and skill to operate the computer console and related equipment in order to enter appropriate commands to operate target devices. Skill to operate a motor vehicle and a two-way radio. Must obtain a military vehicle operator's license.

d. RESPONSIBILITY: Receives work assignments from the Maintenance Mechanic Foreman or Multi Purpose Range Manager. Works in accordance with available drawings, technical orders or specifications. Acts independently in the performance of day-to-day duties. Exercises considerable judgment regarding the methods and procedures for completing assignments. Responsible for knowing and judging the impact of repairs, that is, the effect of changes and adjustments on the related integral devices of the equipment serviced. Responsible for making further test and alignment to ensure the completed repairs are aligned and functioning properly. Supervisor is available to solve unusual problems. Work is subject to spot check for timeliness, adherence to range safety, and the readiness status of target equipment and range operations.

e. PHYSICAL EFFORT: Requires frequent lifting, positioning, and carrying of target mechanisms, tools, and equipment weighing up to 105 pounds. Items weighing in excess of 105 pounds normally involve more than one person. Work requires frequent bending, stooping, walking, standing, working in cramped positions, and climbing up and down a steep flight of stairs to reach a 60 foot control tower. Requires prolonged standing on concrete floors and walking over rough and uneven terrain.

f. WORKING CONDITIONS: Works inside and outside during all types of weather conditions. Stands on concrete floors and works on ranges in rough terrain. Exposed to dangers of live fire ranges, pyrotechnics, laser frequencies, and explosives. May be exposed to sulfuric acid when handling batteries used in operating remotely controlled target devices. Is exposed to the possibility of abrasions, cuts, burns, electrical shock, falls from a 60 foot tower, and explosions. Hoffman devices contain explosive charges equivalent to 1/4 pound charge of TNT. Hearing protective devices, hard hats with face shield, and other safety equipment and devices are issued or available for use.

## EVALUATION STATEMENT

- A. Title, Series and Grade: Maintenance Mechanic, WG-4749-10.
- B. References: JGS for Maintenance Mechanic, WG-4749, May 1974.
- C. Background: This is a new position created by the addition of a Multi Purpose Range Complex. Targeting on this range is controlled by a computer using electronic, electrical and hydraulic controlled target mechanisms.
- D. Series, Title and Grade Determination:
1. Series: The duties within this position are of a mixed nature performing duties within the electronic, electrical and pneudraulic maintenance fields with no one particular area or series being predominate. Therefore, the Maintenance Mechanic, WG-4749, series has been determined to be the proper series to classify this position.
  2. Title: The correct title for positions at grade WG-09 or above in this series is Maintenance Mechanic.
  3. Grade: The electronic duties performed within this position are best described and compare favorably to the duties within the Electronic, WG-2604, series at the WG-10 level. The skill and knowledge to perform the electrical duties are best described within the Electrician, WG-2805, series at the WG-10 level. The pneudraulic duties that are to be performed are best described within the Pneudraulic Systems Mechanic, WG-8255, series at the WG-09 level. Two of the major types of duties performed are at the WG-10 level therefore, this position is classified at the WG-10 grade level.
- E. Conclusion: Based on the above evaluation, this position is classified as Maintenance Mechanic, WG-4749-10.

Classifier: David E. Pate State: Idaho Date: 26 Dec 90