

24/27 Sept. 1957

MP/16 August 1957

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| DEPARTMENT OF THE ARMY JOB DESCRIPTION (Sec. 5, CPM 1 and CFR P2) | | 1. INSTALLATION OR HEADQUARTERS OFFICE Aberdeen Proving Ground, Maryland | | 2. JOB NO. 9537 | |
| 3. CITATION TO APPLICABLE STANDARD AND ITS DATE OF ISSUANCE | | | 4. TITLE Mathematician | | |
| 5. PAY CATEGORY GS | | 6. OCC. CODE 1520 | | 7. GRADE 7 | |
| 8. EVALUATION APPROVAL WFC | | Grade and title of this job have been fixed in accordance with Department of the Army official policy and grade level standards. <i>Laura Sadlowski</i> (SIGNATURE) | | 27 September 1957 (DATE) | |
| 9. JOB CONTROLS, DUTIES, AND WORKING CONDITIONS (Indicate percent of time for each duty, where pertinent) (Continue statement of duties, etc., on reverse side if necessary) | | | | | |
| JOB SUMMARY | | | | | |
| 1. RESPONSIBILITY: Performs a variety of mathematical and statistical computations and analysis in connection with the reduction, analysis, and evaluation of ballistic and surveillance test data. | | | | | |
| JOB CONTROLS | | | | | |
| 2. SUPERVISORY: Serves under the supervision of an employee of higher grade who assigns work, explains the objectives, conditions, and boundaries of the assignments, and how it fits into the larger project, indicates the general approach to be taken, and suggests pertinent prior studies or applicable methods in literature. When assignments merely involve solving equations or making computations, only the results desired are indicated. Is responsible for exploring possible methods of approach, making appropriate selections and submitting a detailed plan of work for supervisor's approval and for carrying out the approved plan. New or involved assignments may be spot checked during progress but usually only completed work is reviewed for technical accuracy, adequacy of procedures and methods used, and the nature and basis of conclusions reached. | | | | | |
| 3. REGULATORY: Ballistic Research Laboratories and laboratory policies and regulations. | | | | | |
| 4. OTHER: Guidelines include the basic principles of mathematics and statistics, standard mathematical and statistical techniques as outlined in textbooks, reports of prior work, and instructions of the supervisor. Some original thinking is involved in the detailed planning of the work and in making technical judgments and decisions in its execution. | | | | | |
| MAJOR DUTIES | | | | | |
| 5. Performs a variety of mathematical computations in connection with the reduction of ballistic data received from various activities who conducted test firings and | | | | | |
| 10. CERTIFICATION (Complete on organization file copy only) | | | | | |
| ORGANIZATION LOCATION | | | | | |
| I HEREBY CERTIFY THAT THIS STATEMENT ACCURATELY DESCRIBES THE JOB CONTROLS AND MAJOR DUTIES WHICH I FOUND TO EXIST IN THIS ORGANIZATION SEGMENT FOR THE JOB. | | | I HEREBY CERTIFY THAT THIS STATEMENT DESCRIBES THE WORK REQUIRED IN ONE POSITION OR IN EACH OF A GROUP OF POSITIONS IN THE ABOVE ORGANIZATION. | | |
| SIGNATURE OF ANALYST | | | SIGNATURE OF APPROVING SUPERVISOR <i>ADD</i> | | |
| 11. REAUDIT CERTIFICATION | | | | | DO NOT USE |
| DATE | | | | | |
| SUPERVISOR'S APPROVAL | | | | | |
| ANALYST'S APPROVAL | | | | | |

malfunction investigations. Applying a variety of standard mathematical techniques, ^{to} reduces the raw data received into a form suitable for further analysis. This involves the computation of velocities, pressures, ranges, trajectories and other ballistic data and correcting this data for such non-standard conditions as temperature, wind, density, etc.

6. Performs a variety of statistical computations in connection with the analysis and ^{to} evaluation of the ballistic data obtained in the surveillance investigations. Computes, analyzes, and evaluates such statistical parameters as mean, standard deviation, and variances. Applies various statistical tests, including analysis of variance, Student's "t" test, and Snedecor's "f" test to evaluate the effectiveness of the ammunition and to determine whether observed differences are significant or not. Performs computations in connection with the analysis of statistical experimental designs such as lattices and balanced incomplete block.
7. Prepares charts, tables, graphs, and reports summarizing results. 20
Performs other duties as assigned.

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NUCLEAR & CONVENTIONAL AMMUNITION BRANCH

Robert Eissner (Chief) Reassigned from Nuclear Weapons & Artillery Ammo. Subgroup

Nuclear Ammunition Section

James Kniss (Chief) Reassigned from Nuclear Weapons & Artillery Ammo. Subgroup
Weldon Willoughby Reassigned from Nuclear Weapons & Artillery Ammo. Subgroup
Emerson Jackson Reassigned from Nuclear Weapons & Artillery Ammo. Subgroup
Warren Wenger Reassigned from Nuclear Weapons & Artillery Ammo. Subgroup
Jerry Thomas Reassigned from Nuclear Weapons & Artillery Ammo. Subgroup
Sidney Gerard Reassigned from Nuclear Weapons & Artillery Ammo. Subgroup

Artillery Ammunition Section

James Moore (Chief) Reassigned from Nuclear Weapons & Artillery Ammo. Subgroup
Walter Mowchan Reassigned from Missile & Infantry Ammo. Subgroup
Thomas Cousin Reassigned from Nuclear Weapons & Artillery Ammo. Subgroup
Paul Nickens Reassigned from Nuclear Weapons & Artillery Ammo. Subgroup
Paul Williams Reassigned from Missile & Infantry Ammo. Subgroup
Linton Willis Reassigned from Missile & Infantry Ammo. Subgroup
Timothy McIntosh Reassigned from Office of the Chief
Von Burton Reassigned from Nuclear Weapons & Artillery Ammo. Subgroup
William Lese Reassigned from Nuclear Weapons & Artillery Ammo. Subgroup
James Ringold Reassigned from Nuclear Weapons & Artillery Ammo. Subgroup

Protechnics & Explosive Devices Section

Samuel Heifetz (Chief) Reassigned from Special Ammunition Subgroup
Cleoth Grant Reassigned from Special Ammunition Subgroup
Anne Deimel Reassigned from Special Ammunition Subgroup

CHEMISTRY BRANCH

Louis DeAngelis (Chief) Reassigned from Chemistry Subgroup

Propellants & Explosives Section

George Gardin (Chief) Reassigned from Chemistry Subgroup
Vincent Costanzi Reassigned from Chemistry Subgroup
Frank Ansalvish Reassigned from Chemistry Subgroup

Ammunition Section

Samuel Riley Reassigned from Inspection Subgroup
Lawton Taylor Reassigned from Inspection Subgroup
Ann Bobus Reassigned from Office of the Chief