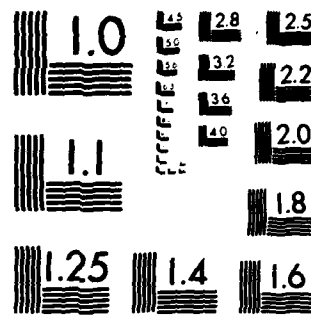
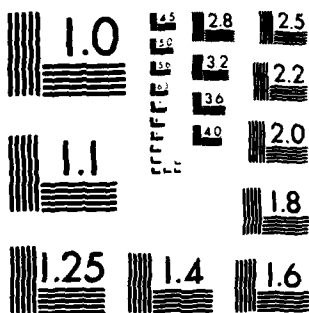


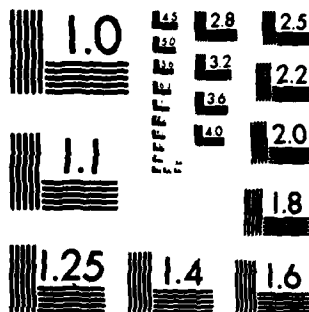
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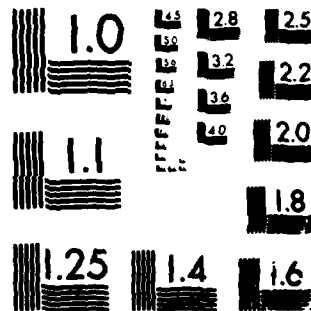
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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

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JOB LANGUAGE PERFORMANCE REQUIREMENTS
FOR 45B
MRS
SMALL ARMS REPAIRMAN

REFERENCE SOLDIER'S MANUAL DATED

14 May 1976

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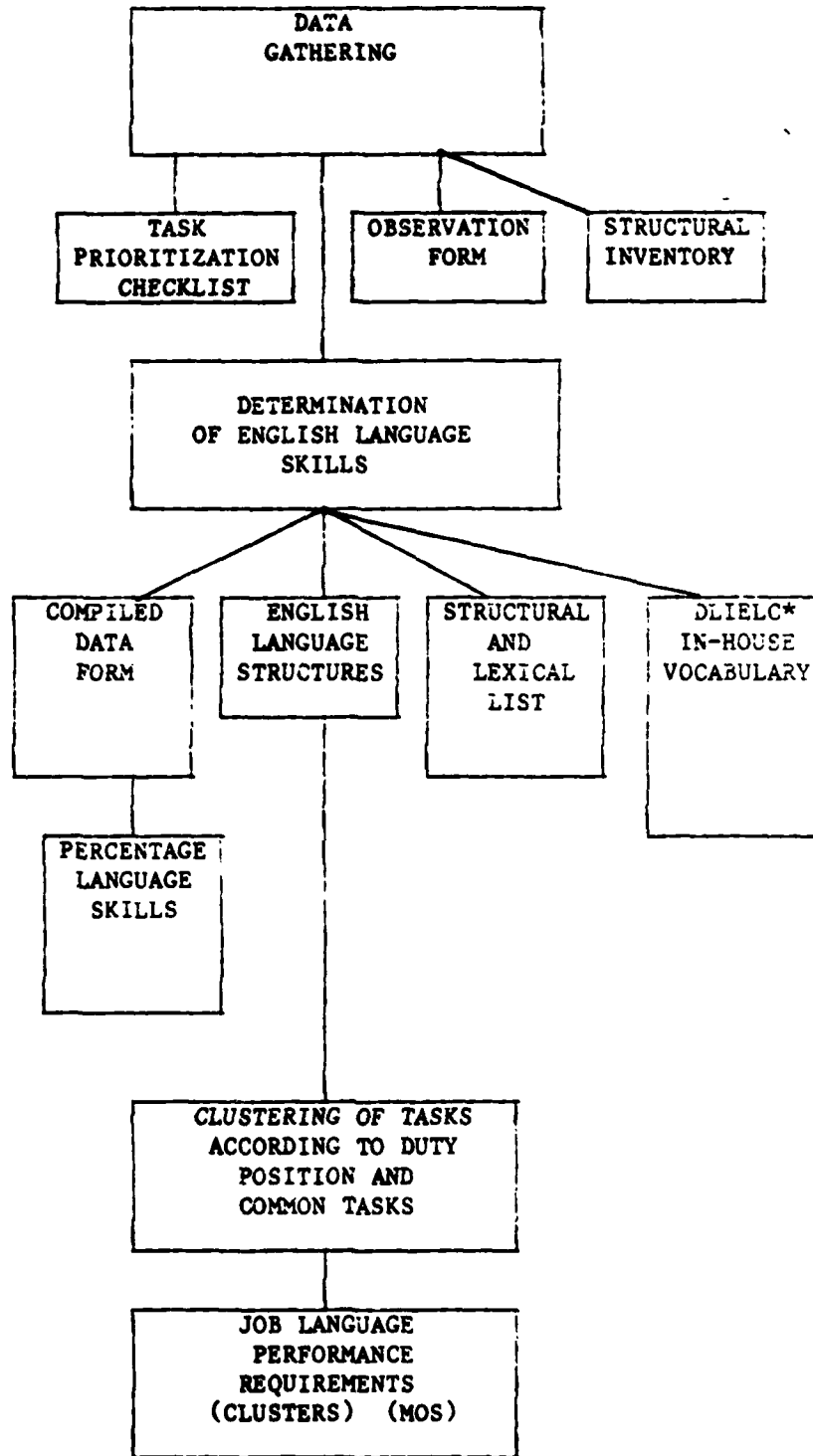


FIGURE 1

*Defense Language Institute English Language Center

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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) The Job Language Performance Requirements (JLPR) study was conducted to determine language tasks the soldier must do in studying/performing job tasks. The language skills (listening, reading, writing, speaking) required to learn each Army job task were identified, conditions studied and standards determined. The data that generated the JLPR is identified.		

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2. Task Inventory Compiled Data Form
3. Percentage Language Skills
4. Observation Forms
5. Structural/Lexical List
6. Vocabulary (DLIELC in-house)
7. Vocabulary (machine-generated)
8. English Language Structures

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PREFACE

INSTRUCTIONS FOR REVIEW OF JOB LANGUAGE PERFORMANCE REQUIREMENTS

This report is organized in six main sections. Sections I-IV discuss methods, forms and rationale for gathering, organizing and analyzing research data used to develop Job Language Performance Requirements (JLPR). Please look through these sections to get a general understanding of the background underlying the JLPR. Sections V and VI are the major substantive portions of the analysis. They are the results of the analysis and constitute the basis for development of any MOS-oriented English language materials. Section V contains the JLPR by cluster/topic, while Section VI contains the JLPR covering the entire range of clusters/topics.

The appendices, one through eight, contain all the information used to determine the Job Language Performance Requirements. Please write any suggestions or changes directly on the document or attach additional notes, if necessary.

The points covered in the six major sections are supported in greater detail in eight appendices. Below is an overview of these appendices.

Appendix one contains the Task Prioritization Checklist. It was taken to the field to collect the raw data. This form was approved for use by the Department of the Army.

Appendix two contains the Task Inventory Compiled Data Form. It was used to organize data from Unit and AIT respondents.

Appendix three defines the language skills by percentage. This form includes computations of language skills for each task cluster.

Appendix four contains the Observation Form used in the recording of types of listening and speaking skills required, as seen by observers, in the learning and performing of a task. The variety of environmental situations is also included on this form.

Appendix five contains the final list of structural and lexical items found through data gathering and organization.

Appendix six contains the DLIELC in-house vocabulary list. This is a task by task listing of the vocabulary extracted from the Soldier's Manual.

Appendix seven contains the machine-generated vocabulary for this MOS prepared by the United States Army Training and Doctrine Command (TRADOC), Fort Monroe, Virginia.

Appendix eight contains the list of structural and lexical items requisite to this MOS.

Thank you for your cooperation. It is greatly appreciated.

SECTION I

DATA GATHERING

INTRODUCTION

This section discusses the procedures and forms in the gathering of data used to determine the Job Language Performance Requirements for this MOS.

SECTION I: DATA GATHERING

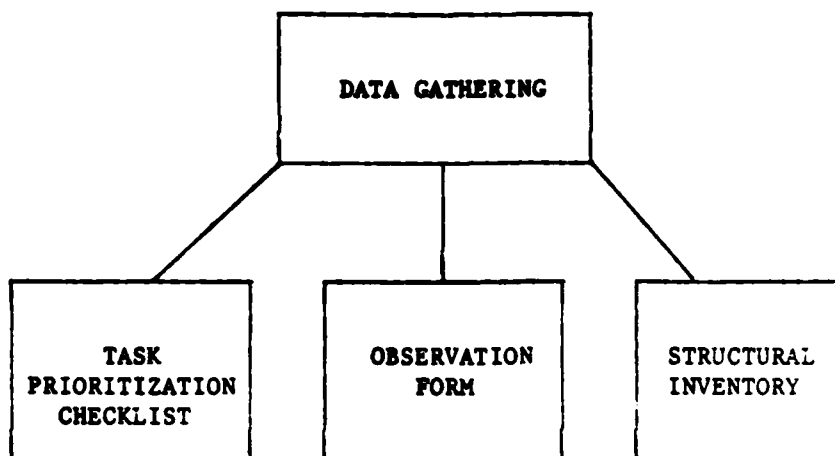


FIGURE 2

In order to establish Job Language Performance Requirements for this MOS the curriculum development specialists at the Defense Language Institute English Language Center (DLIELC) analyzed the current learning and working situations, and individual tasks. The goal was to collect data which would help identify the Job Language Performance Requirements pertinent to this MOS.

To conduct this analysis, training specialists visited the AIT School and Unit cadre. Interviews were conducted using a Task Prioritization Checklist, (Appendix 1). For each task, first-line supervisors answered the following questions:

1. Is the task taught?
2. How is the task taught?
3. Is the task tested?
4. How is the task tested?
5. How important are speaking, listening, reading and writing in learning and performing the task?
6. What are the results of poor performance in performing the task.

Additional data were gathered through use of an Observation Form and an analysis of language structures in the Soldier's Manual for this MOS.

The Observation Form (Appendix 4) was used to record actual observations of the learning situations, populations, tasks, and language.

The lexical and structural analysis was done by a panel of language specialists who first listed all structures found in the Soldier's Manual for this MOS and then all structures, standard and non-standard, noted on the Observation Forms for all vocabulary from the Soldier's Manual. All lists were then combined into an overall lexical and structural inventory.

SUMMARY/CONCLUSION:

The tools for data gathering were:

1. The Task Prioritization Checklist (Appendix 1)
2. The Task Inventory Compiled Data Form (Appendix 2)
3. The Observation Form (Appendix 4)
4. A Structural and Lexical Inventory (consisting of rough drafts of all vocabulary and structures in this MOS).

These tools were used to form the data pool from which the Job Language Requirements were determined.

SECTION II

DETERMINATION OF ENGLISH LANGUAGE SKILLS

INTRODUCTION

This section discusses the organization of the raw data into information used to determine the English language skills pertinent to this MOS.

SECTION II: DETERMINATION OF ENGLISH LANGUAGE SKILLS

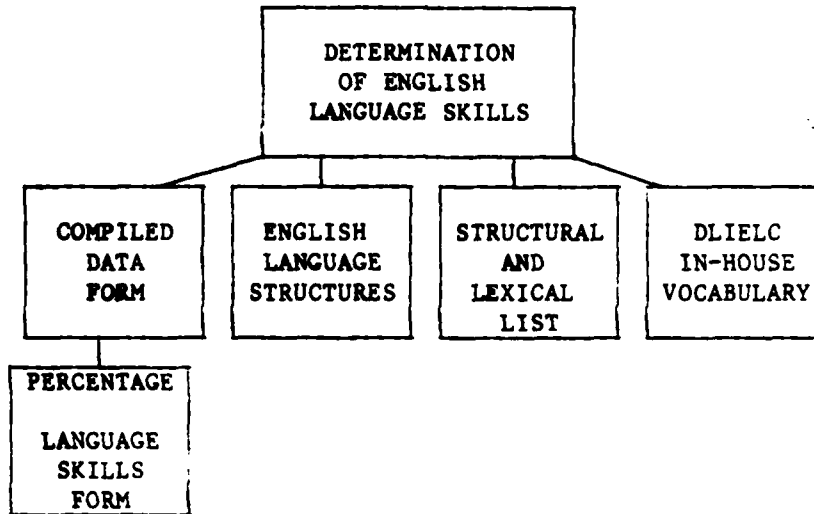


FIGURE 3

The raw data collected as described in Section II above was used to determine the English Language skills which the soldier must learn to learn and perform the task. The Compiled Data Form, Appendix 2, was used to organize the observation and analysis data. Selected information from the Task Prioritization Checklist was recorded directly on this form. Specifically three variables were used to determine the language skills involved. They were:

1. Methods of teaching.
2. Methods of testing.
3. The actual respondents' ratings of the four English language skills.

From each of the three variables the following skills were determined:

VARIABLE	ENGLISH LANGUAGE SKILLS
Methods of Teaching demonstration lecture hands on self-paced	listening, listening, writing listening reading, writing

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<p>Methods of Testing performance oral written</p>	<p>listening speaking writing, reading</p>
<p>Rating of English Language Skills listening speaking reading writing</p>	<p>*a response of 2 or 3 on a scale of 1 to 3 was tallied</p> <p>a response of 1, 2, or 3 on a scale of 1 to 5 was tallied</p>

*See A1

In order to determine the relations of the various skills in the MOS, data from the three variables were tallied on the Percentage Language Skills Form. An average was then found using the following formula:

$$TR \div TxVxR = \% \text{ of use}$$

T = total number of tasks per cluster

V = language skill variable per cluster**

R = maximum number of respondents in any task in that cluster

TR = total tally of responses per task per skill

% of use = use of the language skill in the task

Percentages found in this MOS were:

Listening	52%
Speaking	33%
Reading	34%
Writing	29%

As shown by the figures, listening is the most important skill in this MOS. However, in particular duty sections, percentages varied. Appendix 3, the Percentage Language Skills Form, shows the actual skill percentages in each duty position.

**See A3

Organization of structural and lexical items was done by comparing a structural and lexical list extracted from the Soldier's Manual with a structural inventory list extracted from ALC (American Language Center) materials through Volume 2400, at the end of which a trainee is normally qualified for Specialized English Technical Terminology training. By comparing the lists redundancies were eliminated, leaving the final list of structural and lexical items indicated by grammatical title in Appendix 5.

SUMMARY/CONCLUSION:

Organization of the data included the recording of responses on the Task Inventory Compiled Data Form, use of the Percentage Language Skills Form, and the DLIELC in-house structural analysis list. Skills were analyzed by duty section. The actual lexical items in this MOS were grouped and listed task by task. This information was then used to determine the specific Job Language Performance Requirements.

SECTION III

CLUSTERING OF COMMON AND DUTY POSITION TASKS

INTRODUCTION

Due to the overlapping of certain elements among the various MOS, tasks were clustered in order to prevent duplication of effort for each MOS.

This section contains a listing of the clusters for this MOS.

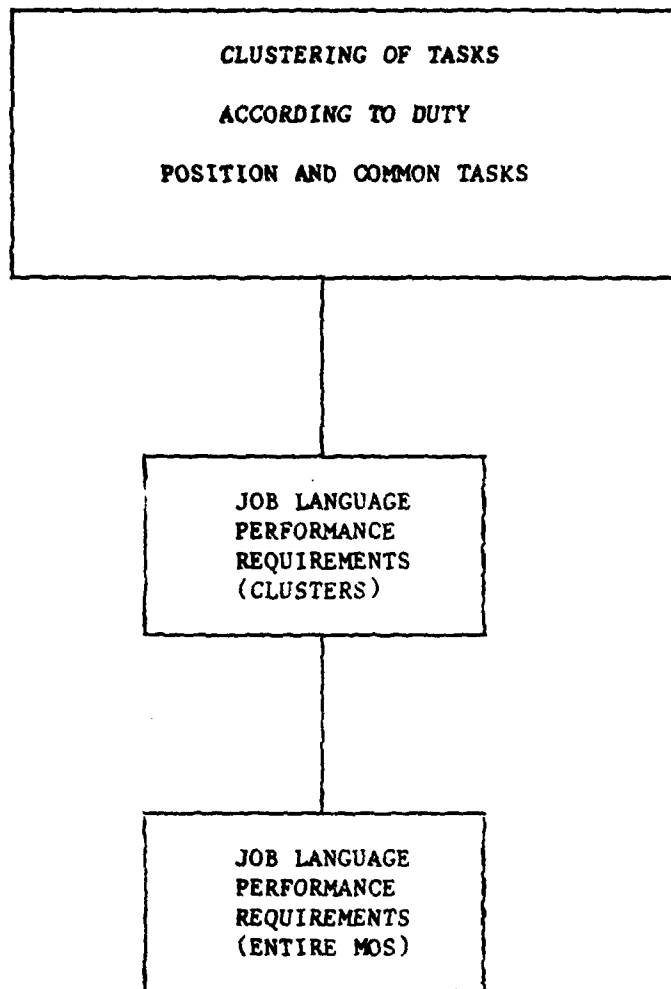


FIGURE 4

SECTION III: CLUSTERING OF COMMON AND DUTY POSITION TASKS

Clustering was done by using the common and duty position tasks in the Soldier's Manual.

The following clusters are in this MOS:

1. FIRST AID
2. NUCLEAR, BIOLOGICAL AND CHEMICAL OPERATIONS
3. INDIVIDUAL FITNESS
4. CAMOUFLAGE
5. LAND NAVIGATION
6. M16A1 RIFLE
7. LOGISTICAL MANAGEMENT
8. SUPPLY
9. MAINTENANCE
10. TEST, MEASUREMENT AND DIAGNOSTIC EQUIPMENT
11. RIFLES
12. PISTOL, REVOLVER AND SUBMACHINE GUN
13. SHOTGUN, GRENADE AND ROCKET LAUNCHERS
14. MACHINEGUNS
15. MORTARS
16. RECOILLESS RIFLES
17. GUN, AUTOMATIC, 20MM, M139

SECTION IV

JOB LANGUAGE
PERFORMANCE REQUIREMENTS

INTRODUCTION

This section discusses the format for the Job Language Performance Requirements.

SECTION IV: JOB LANGUAGE PERFORMANCE REQUIREMENTS

The format for the Job Language Performance Requirements is:

TASK:
CONDITION:
STANDARD:

A. TASK

The Job Language Performance Requirements state the language tasks the soldier must do in studying/performing specific MOS job tasks. A task addressing language would be one of reading, listening, speaking or writing. Job tasks, as seen in the Soldier's Manual, are those which pertain to the soldiers duties. To write these as language tasks required the following explanations of what the soldier would speak, read, listen and write. Below are the kinds of explanations that had to be made in this MOS.

SPEAKING

Produces oral utterances to report/inform/explain/elicit response/respond.

Analysis of this MOS indicates verbal reports entailing those activities directly related to the soldiers job tasks.

The speaking act to respond or elicit response in this MOS is an oral response to a command or visual signal.

Speaking to explain involves situations of instruction in any training situation.

Speaking to inform involves producing oral utterances to communicate necessary information.

READING

Read for information/to learn.

Printed and written materials are used throughout this MOS. The soldier is expected to read technical manuals, fields manuals, soldier's manual, written communication and audio-visual aids. Content of these materials is presented in formats and styles ranging from simple factual words or sentences to complex passages containing highly technical vocabulary, often with ellipsis. The purpose is to teach the student, so the student reads them to learn. Reading to learn involves reading names, attributes, information, procedures, explanations of how systems work, concepts, vocabulary terms, and definitions which are committed to short or long term memory for immediate or later recognition.

Basically, the soldier will use these reading materials to supplement what is stated in a lecture by integrating the information from the different texts or written communiques into his understanding of the previous lecture.

The soldier must develop the ability to understand the words in context, to read in thought units, and then select and understand the main ideas. The soldier must retain, apply, and integrate these ideas with past experience to use in his MOS.

Reading to learn, then, is a synthesis. What is read is to be retained in memory for integration in new experiences.

Reading for information, on the other hand, is quite different. The read material is to be retained only in short term memory, used for a specific purpose (i.e., look up a metric equivalent of 37 pounds) and then forgotten.

LISTENING

Listen to oral information to learn/to report.

In this MOS, lecture is a main method of instruction. The lecture is often supplemented by a demonstration. The soldier listens to the lecture to learn data pertinent to the task. Analysis of lecture presentations indicated many language variables. The soldier hears sub-standard usages, various registers of style and formality, colloquialisms, even profanity in situations ranging from a barracks to a field. The soldier must differentiate between the types of language functions. Is it expression, exchange, description, explanation, argumentation, persuasion, statement, request, or order? The oral information may be directly from the speaker and/or indirectly such as over the telephone, radio, TV, or tape. The soldier must organize and gain meaning from what is heard. Out of all these variables, the soldier must identify or infer the main ideas or major points.

Analysis of this MOS did not and could not specify all types of spontaneous language the soldier would be exposed to. The POI, though, does show the general form of the constrained oral language the soldier must listen to in order to learn the task.

B. CONDITIONS

The condition is what the soldier will be given in order to do the task. For the MOS job, the soldier is given paper, pencil, and printed materials. For language purposes, he will be given certain structural and lexical features as found through the data gathering and organizing from interviews and observations. Again, for the job that the soldier will be given, the material may be under normal working conditions, though other conditions may be added such as with or without protective gear or in darkness.

The soldier will read lists, tables, procedures, checklists or signs, and will hear scenarios, lectures, explanations, and commands. Therefore, these are listed with the Job Language Performance Requirements as possible conditions.

C. STANDARDS

The standard for our purpose is 100%. A standard for understanding or speaking cannot be tested as saying the soldier will disassemble a .45 caliber pistol in eight minutes. Because of this, 100% understandable speech or 100% legibility is used as a reference.

SUMMARY/CONCLUSION:

The Job Language Performance Requirements including tasks, conditions, and standards, were first written for each task cluster. The clusters were then combined into the Job Language Performance Requirements for the entire MOS.

SECTION V

JOB LANGUAGE PERFORMANCE REQUIREMENTS
(CLUSTERED)

INTRODUCTION

Sections I, II, III, and IV described how Job Language Performance Requirements were identified and constructed.

This section contains the Job Language Performance Requirements for each task cluster pertinent to this MOS.

FIRST AID

I. PERCENTAGE LANGUAGE SKILLS

Listening	71%
Speaking	42%
Reading	23%
Writing	29%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn
CONDITIONS:	Given oral instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understanding of oral communication
TASK:	Listen to respond
CONDITIONS:	Given a medical scenario involving simple questions about an illness in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understanding of oral utterances
TASK:	Produce oral utterances to explain
CONDITIONS:	Given a simple medical scenario requiring an oral interpretation in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understandable oral communication
TASK:	Read for information
CONDITIONS:	Given printed MOS training materials in the form of procedures, explanations and references
STANDARDS:	100% understanding of printed content
TASK:	Write to inform
CONDITIONS:	Given a requirement to write in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understandable and legible written content

III. TASK NUMBERS AND TITLES

091-63A-1070	Determine First Aid Measures to be Applied to a Casualty
091-63A-1071	Perform Artificial Respiration Using Chest Pressure-Arm Lift Method

091-63A-1072 Perform Artificial Respiration Using Mouth-to-Mouth Method
091-63A-1073 Stop the Bleeding of a Wound
091-63A-1074 Administer Shock Control Measures to a Casualty
091-63A-1075 Describe First Aid Treatment of Burns
091-63A-2076 Apply First Aid Measures for Fractures, Sprains, and Dislocations
091-63A-2077 Describe First Aid Measures for Removing Foreign Object From Eye
091-63A-2078 Describe Treatment of Environmental Injuries

NUCLEAR, BIOLOGICAL AND CHEMICAL OPERATIONS

I. PERCENTAGE LANGUAGE SKILLS

Listening	70%
Speaking	45%
Reading	27%
Writing	28%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn
CONDITIONS:	Given oral instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understanding of oral communication
TASK:	Listen to perform
CONDITIONS:	Given oral warnings or verbal commands regarding simulated NBC situations (scenarios) in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understanding of oral utterances
TASK:	Produce appropriate oral responses spontaneously or upon request
CONDITIONS:	Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understandable oral responses
TASK:	Produce oral utterances to inform and respond
CONDITIONS:	Given NBC situations requiring oral alarms
STANDARDS:	100% understandable oral utterances
TASK:	Read for information
CONDITIONS:	Given printed MOS training materials in the form of procedures, explanations and references
STANDARDS:	100% understanding of printed material
TASK:	Write to inform
CONDITIONS:	Given a requirement to write in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understandable and legible written content

III. TASK NUMBERS AND TITLES

091-63A-1001	Put on Protective Mask
091-63A-1002	Give NBC Alarms and Warnings

- 091-63A-1003 Recognize and Interpret Markers for Areas of NBC Contamination and Hazards
- 091-63A-1004 Decontaminate Your Skin Using the M58 Training Kit
- 091-63A-1005 Decontaminate Your Individual Weapon Using ABC-M13 Kit
- 091-63A-1006 Apply First Aid Measures To a Chemical Casualty
- 091-63A-1007 Inspect and Maintain M17 or M17A1 Protective Mask and Its Carrier
- 091-63A-1008 Take Defense Actions Against Effects of a Nuclear Burst and Possible Resulting Fallout
- 091-63A-2009 Identify the Three Types and Describe Effects of Nuclear Bursts
- 091-63A-2010 Describe Actions for Crossing a Radiologically Contaminated Area

INDIVIDUAL FITNESS

I. PERCENTAGE LANGUAGE SKILLS

Listening	35%
Speaking	13%
Reading	17%
Writing	19%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK: Listen to learn and perform
CONDITIONS: Given oral instructions or verbal commands in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS: 100% understanding of oral communication

III. TASK NUMBERS AND TITLES

091-63A-1100	Maintain an Appropriate Level of Physical Fitness (MALE ONLY)
091-63A-1101	Maintain an Appropriate Level of Physical Fitness (FEMALE ONLY)

CAMOUFLAGE

I. PERCENTAGE LANGUAGE SKILLS

Listening	64%
Speaking	30%
Reading	13%
Writing	20%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn and perform
CONDITIONS:	Given oral instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understanding of oral communication
TASK:	Produce appropriate oral responses spontaneously or upon request
CONDITIONS:	Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understandable oral responses
TASK:	Write to inform
CONDITIONS:	Given a requirement to write in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understandable and legible written content

III. TASK NUMBERS AND TITLES

091-63A-1050 Camouflage Yourself and Your Weapon

LAND NAVIGATION

I. PERCENTAGE LANGUAGE SKILLS

Listening	94%
Speaking	36%
Reading	63%
Writing	55%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn and perform
CONDITIONS:	Given oral instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understanding of oral communication
TASK:	Produce appropriate oral responses spontaneously or upon request
CONDITIONS:	Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understandable oral responses
TASK:	Read to learn
CONDITIONS:	Given printed MOS training materials in the form of instructions, warnings, procedures and references
STANDARDS:	100% understanding of printed content
TASK:	Write to record
CONDITIONS:	Given a requirement to record the grid reference
STANDARDS:	100% legible written content
TASK:	Write to inform
CONDITIONS:	Given a requirement to write in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understandable and legible written content

III. TASK NUMBERS AND TITLES

091-63A-2140	Measure a Magnetic Azimuth With a Compass
091-63A-2141	Measure an Azimuth on a Map With a Protractor
091-63A-2142	Convert a Magnetic Azimuth to a Grid Azimuth
091-63A-2143	Measure Ground Distance on a Map
091-63A-2144	Locate a Point on a Map Using Military Grid Reference System

091-63A-2145 Orient a Map Using a Compass
091-63A-2146 Determine Your Location on a Map
091-63A-2147 Locate an Unknown Point by Intersection
091-63A-2148 Locate an Unknown Point by Resection
091-63A-2149 Determine Elevation and Relief on a Map
091-63A-2150 Use Map Legend Data to Identify Symbols
on a Map

M16A1 RIFLE

I. PERCENTAGE LANGUAGE SKILLS

Listening	74%
Speaking	30%
Reading	23%
Writing	23%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn and perform
CONDITIONS:	Given oral instructions or verbal commands in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understanding of oral communication
TASK:	Produce appropriate oral responses spontaneously or upon request
CONDITIONS:	Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understandable oral responses
TASK:	Read for information
CONDITIONS:	Given printed MOS training materials in the form of instructions, explanations, procedures and references
STANDARDS:	100% understanding of printed content
TASK:	Read for information
CONDITIONS:	Given printed MOS training materials in the form of a range card
STANDARDS:	100% understanding of printed content
TASK:	Write to record
CONDITIONS:	Given a requirement to complete a range card
STANDARDS:	100% understandable and legible written content

III. TASK NUMBERS AND TITLES

091-63A-1120	Maintain Individual Weapon
091-63A-1121	Perform Battlesight Zeroing of M16A1 Rifle

LOGISTICAL MANAGEMENT

I. PERCENTAGE LANGUAGE SKILLS

Listening	26%
Speaking	29%
Reading	25%
Writing	24%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK: Listen to learn and perform
CONDITIONS: Given oral instructions or verbal commands in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS: 100% understanding of oral communication

TASK: Produce oral utterances to inform
CONDITIONS: Given a requirement to produce a verbal report in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS: 100% understandable oral utterances

TASK: Read for information
CONDITIONS: Given printed MOS training materials in the form of instructions, charts, tables, pamphlets and procedures
STANDARDS: 100% understanding of printed content

TASK: Write to record and report
CONDITIONS: Given a requirement to complete DA forms and logs
STANDARDS: 100% understandable and legible written content

III. TASK NUMBERS AND TITLES

091-63A-1300	Use Department of the Army (DA) Pamphlet 310-4
091-63A-1301	Prepare TAMMS Forms Used by Vehicle Operator
091-63A-1302	Perform Equipment Serviceability Criteria (ESC)
091-63A-2303	Use DA Pam 310-7
091-63A-2304	Describe Types of Modification Work Orders (MWO)

SUPPLY

I. PERCENTAGE LANGUAGE SKILLS

Listening	44%
Speaking	31%
Reading	38%
Writing	36%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK: Listen for information
CONDITIONS: Given oral instructions to perform task specific assignments in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS: 100% understanding of oral information

TASK: Produce oral utterances to inform and respond
CONDITIONS: Given a requirement to produce a verbal report in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS: 100% understandable oral utterances

TASK: Read to learn
CONDITIONS: Given printed MOS training materials in the form of instructions, procedures and descriptions
STANDARDS: 100% understanding of printed content

TASK: Write to record and report
CONDITIONS: Given a requirement to complete DA Form 2064 and 3318
STANDARDS: 100% understandable and legible written content

III. TASK NUMBERS AND TITLES

091-63A-1340	Locate and Record National Stock Number (NSN) for a Repair Part
091-63A-2341	Complete Entries on Document Register for Supply Action (DA Form 2064) and on Record of Demands (DA Form 3318)

MAINTENANCE

I. PERCENTAGE LANGUAGE SKILLS

Listening	33%
Speaking	31%
Reading	23%
Writing	23%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK: Listen to learn and perform
CONDITIONS: Given oral instructions or verbal commands in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)

STANDARDS: 100% understanding of oral communication

TASK: Produce appropriate oral responses spontaneously or upon request

CONDITIONS: Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)

STANDARDS: 100% understandable oral responses

TASK: Read to learn

CONDITIONS: Given printed MOS training materials in the form of procedures outlined in technical and field manuals and Army regulations

STANDARDS: 100% understanding of printed content

TASK: Write to inform

CONDITIONS: Given a requirement to write in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)

STANDARDS: 100% understandable and legible written content

III. TASK NUMBERS AND TITLES

091-63A-1360	Maintain Assigned Tool Kit/Set
091-63A-1361	Maintain Individual Clothing and Equipment

TEST, MEASUREMENT AND DIAGNOSTIC EQUIPMENT

I. PERCENTAGE LANGUAGE SKILLS

Listening	61%
Speaking	42%
Reading	42%
Writing	33%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK: Listen to learn and perform
CONDITIONS: Given oral instructions or verbal commands in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)

STANDARDS: 100% understanding of oral communication

TASK: Produce appropriate oral responses spontaneously or upon request

CONDITIONS: Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)

STANDARDS: 100% understandable oral responses

TASK: Read to learn

CONDITIONS: Given printed MOS training materials in the form of warnings, procedures and references

STANDARDS: 100% understanding of printed content

TASK: Write to inform

CONDITIONS: Given a requirement to write in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)

STANDARDS: 100% understandable and legible written content

III. TASK NUMBERS AND TITLES

091-45B-1401	Determine Overall Length of Firing Pin of Cal .45 Pistol Using Micrometer
091-45B-2402	Assemble M2 Borescope Assembly for Operation
091-45B-2403	Assemble Pullover Gage Assembly for Operation

RIFLES

I. PERCENTAGE LANGUAGE SKILLS

Listening	49%
Speaking	41%
Reading	42%
Writing	30%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK: Listen to learn and perform
CONDITIONS: Given oral instructions or verbal commands in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS: 100% understanding of oral communication

TASK: Produce appropriate oral responses spontaneously or upon request
CONDITIONS: Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS: 100% understandable oral responses

TASK: Read to learn
CONDITIONS: Given printed MOS training materials in the form of warnings, procedures and references
STANDARDS: 100% understanding of printed content

TASK: Read for information
CONDITIONS: Given printed MOS training materials in the form of a range card
STANDARDS: 100% understanding of printed content

TASK: Write to record
CONDITIONS: Given a requirement to complete a range card
STANDARDS: 100% understandable and legible written content

TASK: Write to inform
CONDITIONS: Given a requirement to write in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS: 100% understandable and legible written content

III. TASK NUMBERS AND TITLES

091-45B-1451	Disassemble and Assemble Upper Receiver Group
091-45B-1452	Disassemble and Assemble Lower Receiver Group
091-45B-1453	Diagnose Malfunctions of Rifle
091-45B-1454	Perform Gage Inspection and Repair of Rifle

091-45B-1455 Disassemble and Assemble Rifle
091-45B-1456 Diagnose Malfunctions of Rifle
091-45B-1457 Perform Gage Inspection and Repair of Rifle

PISTOL, REVOLVER AND SUBMACHINEGUN

I. PERCENTAGE LANGUAGE SKILLS

-	Listening	59%
-	Speaking	43%
-	Reading	60%
-	Writing	41%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK: Listen to learn and perform
CONDITIONS: Given oral instructions or verbal commands in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS: 100% understanding of oral communication

TASK: Produce appropriate oral responses spontaneously or upon request
CONDITIONS: Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS: 100% understandable oral responses

TASK: Read to learn
CONDITIONS: Given printed MOS training materials in the form of warnings, procedures and references
STANDARDS: 100% understanding of printed content

TASK: Read for information
CONDITIONS: Given printed MOS training materials in the form of a range card
STANDARDS: 100% understanding of printed content

TASK: Write to record and report
CONDITIONS: Given a requirement to complete DA forms and logs
STANDARDS: 100% understandable and legible written content

TASK: Write to record
CONDITIONS: Given a requirement to complete a range card
STANDARDS: 100% understandable and legible written content

III. TASK NUMBERS AND TITLES

091-45B-1501	Disassemble and Assemble Pistol
091-45B-1502	Diagnose Malfunctions of Pistol
091-45B-1503	Perform Gage Inspection and Repair of Pistol

091-45B-1504 Disassemble and Assemble Revolver
091-45B-1505 Diagnose Malfunctions and Repair Revolver
091-45B-1506 Disassemble, Repair, and Assemble M3A1
Submachinegun

SHOTGUN, GRENADE AND ROCKET LAUNCHERS

I. PERCENTAGE LANGUAGE SKILLS

Listening	39%
Speaking	30%
Reading	45%
Writing	31%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn and perform
CONDITIONS:	Given oral instructions or verbal commands in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understanding of oral communication
TASK:	Produce appropriate oral responses spontaneously or upon request
CONDITIONS:	Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understandable oral responses
TASK:	Read to learn
CONDITIONS:	Given printed MOS training materials in the form of procedures, instructions, warnings and references
STANDARDS:	100% understanding of printed content
TASK:	Read for information
CONDITIONS:	Given printed MOS training materials in the form of a range card
STANDARDS:	100% understanding of printed content
TASK:	Write to record
CONDITIONS:	Given a requirement to complete a range card
STANDARDS:	100% understandable and legible written content
TASK:	Write to record and report
CONDITIONS:	Given a requirement to complete DA forms and logs
STANDARDS:	100% understandable and legible written content

III. TASK NUMBERS AND TITLES

091-45B-1551	Disassemble and Assemble Shotgun
091-45B-1552	Diagnose Malfunctions of Shotgun

091-45B-1553 Perform Gage Inspection and Repair of Shotgun
091-45B-1554 Disassemble, Repair, and Assemble Grenade Launcher
091-45B-1555 Install Grenade Launcher to M16A1 Rifle
091-45B-1556 Disassemble, Repair, and Assemble Launcher
091-45B-1557 Determine Serviceability of Contactor Latch Assembly
and Firing Mechanism Using Electrical Output Tester

MACHINEGUNS

I. PERCENTAGE LANGUAGE SKILLS

-	Listening	60%
-	Speaking	43%
	Reading	57%
	Writing	38%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK: Listen to learn and perform
CONDITIONS: Given oral instructions or verbal commands in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS: 100% understanding of oral communication

TASK: Produce appropriate oral responses spontaneously or upon request
CONDITIONS: Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS: 100% understandable oral responses

TASK: Read to learn
CONDITIONS: Given printed MOS training materials in the form of procedures, instructions, warnings and references
STANDARDS: 100% understanding of printed content

TASK: Read for information
CONDITIONS: Given printed MOS training materials in the form of a range card
STANDARDS: 100% understanding of printed content

TASK: Write to record
CONDITIONS: Given a requirement to complete a range card
STANDARDS: 100% understandable and legible written content

TASK: Write to record and report
CONDITIONS: Given a requirement to complete DA forms and logs
STANDARDS: 100% understandable and legible written content

III. TASK NUMBERS AND TITLES

091-45B-1601	Perform General Disassembly and Assembly of Machinegun	-
091-45B-1602	Perform Detailed Disassembly and Assembly of Machinegun	-

091-45B-1603 Perform Gage Inspection and Repair
of Machinegun
091-45B-1604 Disassemble, Repair and Assemble M122
Machinegun Mount
091-45B-1605 Remove and Install Major Groups and Assemblies
091-45B-1606 Disassemble and Assemble Major Groups
and Assemblies
091-45B-1607 Adjust Headspace and Timing of Machinegun
091-45B-1608 Diagnose Malfunctions of Machinegun
091-45B-1609 Perform Gage Inspection and Repair of Machinegun
091-45B-1610 Disassemble, Repair and Assemble M3 Tripod Mount
091-45B-2611 Perform General Disassembly and Assembly
of Machinegun
091-45B-2612 Perform Detailed Disassembly and Assembly
of Machinegun
091-45B-1613 Perform Gage Inspection and Repair
of Machinegun
091-45B-2614 Perform General Disassembly and Assembly
of Machinegun
091-45B-2615 Perform Detailed Disassembly and Assembly
of Machinegun
091-45B-2616 Perform Gage Inspection and Repair of
Machinegun

MORTARS

I. PERCENTAGE LANGUAGE SKILLS

Listening	59%
Speaking	43%
Reading	55%
Writing	40%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn and perform
CONDITIONS:	Given oral instructions or verbal commands in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understanding of oral communication
TASK:	Produce appropriate oral responses spontaneously or upon request
CONDITIONS:	Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understandable oral responses
TASK:	Read to learn
CONDITIONS:	Given printed MOS training materials in the form of procedures, instructions, warnings and references
STANDARDS:	100% understanding of printed content
TASK:	Write to record and report
CONDITIONS:	Given a requirement to complete DA forms and logs
STANDARDS:	100% understandable and legible written content

III. TASK NUMBERS AND TITLES

091-45B-2651	Disassemble, Repair, and Assemble Cannon and Baseplate
091-45B-2652	Disassemble, Repair, and Assemble Traversing Mechanism and Shock Absorber Assembly
091-45B-2653	Disassemble, Repair, and Assemble Bipod and Elevating Mechanism Assembly
091-45B-2654	Determine Serviceability of Cannon Using Pullover Cage
091-45B-2655	Inspect Cannon Tube Using M2 Borescope
091-45B-2656	Remove and Install Shock Absorbers From, or To Cannon Assembly

091-45B-2657 Disassemble, Repair, and Assemble Standard Assembly
091-45B-2658 Disassemble, Repair, and Assemble Baseplate Assembly
091-45B-2659 Determine Serviceability of Cannon Using Pullover Gage
091-45B-2660 Inspect Cannon Tube Using M2 Borescope

RECOILLESS RIFLES

I. PERCENTAGE LANGUAGE SKILLS

Listening	24%
Speaking	15%
Reading	12%
Writing	8%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK: Listen for information
CONDITIONS: Given oral instructions to perform task specific assignments in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS: 100% understanding of oral information

TASK: Produce appropriate oral responses spontaneously or upon request
CONDITIONS: Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS: 100% understandable oral responses

TASK: Read for information
CONDITIONS: Given printed MOS training materials in the form of procedures, instructions, warnings and references
STANDARDS: 100% understanding of printed content

TASK: Write to record
CONDITIONS: Given a requirement to complete DA forms
STANDARDS: 100% understandable and legible written content

III. TASK NUMBERS AND TITLES

091-45B-2701	Disassemble and Assemble Rifle
091-45B-2702	Perform Gage Inspection and Repair of Rifle
091-45B-2703	Remove and Install M8C Spotting Gun
091-45B-2704	Disassemble, Repair, and Assemble MSC Spotting Gun
091-45B-2705	Remove, Disassemble, Repair, Assemble, and Install Breechblock and Hinge Assembly
091-45B-2706	Remove and Install Hinge Block, Trigger Housing Group Vent Assembly, and Firing Cable Group

091-45B-2707 Disassemble, Repair, and Assemble M79 Recoilless
Rifle Mount
091-45E-2708 Inspect M206 Recoilless Rifle Cannon M2 Borescope

GUN, AUTOMATIC, 20MM, M139

I. PERCENTAGE LANGUAGE SKILLS

Listening 27%
Speaking 17%
Reading 11%
Writing 8%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK: Listen to learn and perform
CONDITIONS: Given oral instructions or verbal commands in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS: 100% understanding of oral communication

TASK: Produce appropriate oral responses spontaneously or upon request
CONDITIONS: Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS: 100% understandable oral responses

TASK: Read for information
CONDITIONS: Given printed MOS training materials in the form of instructions, procedures, warnings and references
STANDARDS: 100% understanding of printed content

TASK: Write to record and report
CONDITIONS: Given the requirement to complete DA forms
STANDARDS: 100% understandable and legible written content

III. TASK NUMBERS AND TITLES

091-45B-2751 Disassemble and Assemble Automatic Gun
091-45B-2752 Disassemble, Repair, and Assemble Automatic Gun Feeder and Recoil Adapter
091-45B-2753 Perform Gage Inspection and Repair of Automatic Gun

SECTION VI

JOB LANGUAGE PERFORMANCE
REQUIREMENTS
(Entire MOS)

INTRODUCTION

This section contains language tasks for each generic skill for this MOS. Listed below each task are the types of receptive or productive language activity involved.

LISTENING

- TASK:** Understand oral language intended to inform or instruct.
- CONDITIONS:** Given explanations, procedures, rules, instructions or definitions in simple to complex lexicon and syntax, formal or informal registers, casual or colloquial speech, military jargon, slang or dialectical speech in any training situation. (Appendices 4, 5 & 6)
- STANDARDS:** 100% understanding and assimilation of presented oral language task.

The following are specific conditions found in this language task:

Warnings
Described situations
Directions
Lectures
Commands, Orders
Sound tracks (films, tapes)
Standard/Non-standard English
Instructions
SQT questions

- TASK:** Understand spontaneous oral language or language via a technical medium - such as a radio telephone - intended to inform and elicit responses.
- CONDITIONS:** Given scenarios, questions, commands or requests in simple to complex lexicon and syntax, formal or informal registers, casual or colloquial speech, military jargon, slang or dialectical speech in any training situation. (Appendices 4, 5, & 6)
- STANDARDS:** 100% understanding and assimilation of oral language in order to apply and respond.

The following are specific conditions found in this language task:

Shouting
Radio communications
Coded messages
Spellings
Conversation
Requests

SPEAKING

TASK: Formulate and produce appropriate oral responses spontaneously.

CONDITIONS: Given any verbal stimulus in the form of questions, scenarios, instructions, or cues in any training situation.
(Appendices 5 & 6)

STANDARDS: 100% understandable oral response using correct lexicon and syntax for the training situation.

The following are specific conditions found in the language task:

Explanations
Statements
Repetitions
Counting
Corrections
Assignments
Notifications
Oral reports
Answers
Clarifications
Information

TASK: Produce oral utterances to interact and communicate spontaneously or via a technical medium such as radio telephone.

CONDITIONS: Given a communicative situation (Appendices 4, 5, & 6 Soldier's Manual) in any training situation.

STANDARDS: 100% understandable communication using correct lexicon and syntax for the communication act.

The following are specific conditions found in this language task:

Requesting information
Requesting permission
Transmitting messages
Call signs
Vocal signals
Shout warnings
Radio communications
Target locations
Directions (N,S,E,W)
Directions, general
Requests for fire
Report on the results of fire
Challenges/Passwords
Training sessions
Interaction

READING

TASK: Read MOS training in the form of printed prose or graphic representations in order to learn processes, concepts, vocabulary, definitions and identifications, to calculate problems, intercept codes and complete forms.

CONDITIONS: Given technical, non-technical, lexical and structural features in simple to complex printed form in any training situation. (Appendices 4, 5 & 6)

STANDARDS: 100% understanding of printed content.

The following are specific conditions found in this language task:
Captions with illustrations.

Lists	Extracts
Procedures	Columns
Information	Indices
Definitions	Charts
Outlines	Methods
Signs	Technical Vocabulary
Markers	Standard Operating Procedures
References	Cartoons
Rules	Problems
Maps	Manuals
Flags	Graphic Training Aids
Military Documents	
I.D. Papers	
Regulations	

TASK: Identify, understand, and interpret written utterances pertinent to MOS training in technical or non-technical language.

CONDITIONS: Given technical, non-technical, lexical and structural features in simple to complex written form in any training situation. (Appendices 4, 5 & 6)

STANDARDS: 100% understanding of written content.

The following are specific conditions found in this language task:

Lists
Information
Descriptions
Radiation readings off dosimeter
Coordinate scales
Callsigns-suffices
Three-letter codes
Examples
Calculations
Markings
Radio communications
Range cards
Notes
Messages

WRITING

- TASK:** Upon instruction, write in conventional orthography, letter, numbers, words or sentences appropriate to the training situation.
- CONDITIONS:** Given standardized forms, paper or answer sheets and the instructions to list, answer, describe or recall.
- STANDARDS:** 100% syntactical and lexical correctness and legibility of writing which is also appropriate in style and usage to training situations. (Appendix 4)

The following are specific conditions found in this language task:

Ratings
Signatures
Range cards
Data symbols
Answers
Descriptions
Notes
Reports

- TASK:** Write, in conventional orthography, letters, or specialized code, numbers, words or sentences in order to transmit or record information.
- CONDITIONS:** Given standardized forms or paper and oral communication.
- STANDARDS:** 100% syntactical and lexical correctness of writing which can be read by another speaker of English.

The following are specific conditions found in this language task:

Technical forms
Codes
Grid coordinates
Decoded messages
Encoded messages
Logbooks
Plottings
Figures
Reports
Tags
Range cards
Applicable DA forms

APPENDICES

1. Task Prioritization Checklist
2. Task Inventory Compiled Data Forms
3. Percentage Language Skills
4. Observation Form
5. Structural/Lexical list
6. Vocabulary (DLIELC in-house)
7. Vocabulary (machine-generated)
8. English Language Structures

APPENDIX 1

TASK PRIORITIZATION CHECKLIST

This Checklist was approved by the
Department of the Army in 1980.

YOUR CURRENT MOS: _____
 (PRESENTLY WORKING IN) _____
 POS IN WHICH YOU WERE TRAINED: _____
 POSITION: _____
 UNIT: _____

*RATING: 1=low
 2= med
 3= high

YES	NO	ASK TAUGHT?	TYPE OF TAUGHT	IS TASK TESTED?	TESTED? PERSON	PERFORMANCE	PERFORMANCE DANGER EQUIPMENT
			LISTENING*				
			SPEAKING*				
			READING*				
			WRITING*				
			LECTURE				
			SELF-PACED				
			DEMONSTRATION				
			HANDS-ON				
				IS TASK TESTED?			
				WRITTEN			
				ORAL			
				PERFORMANCE			
				PERSON			
				EQUIPMENT			

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APPENDIX 2

TASK INVENTORY COMPILED DATA FORM

This form was used to record data from
the Task Prioritization Checklist.

MOS 413 NUMBER OF RESPONDENTS _____
 DATA OBTAINED FROM _____ TRAINING SPECIALIST _____

RATING OF ELS	writing	[Handwritten marks]																			
	reading	[Handwritten marks]																			
	speaking	[Handwritten marks]																			
	listening	[Handwritten marks]																			
METHODS OF TESTING	written	[Handwritten marks]																			
	oral	[Handwritten marks]																			
	performance	[Handwritten marks]																			
METHODS OF TEACHING	self-paced	[Handwritten marks]																			
	hands-on	[Handwritten marks]																			
	demonstration	[Handwritten marks]																			
	lecture	[Handwritten marks]																			
CRITICALITY	danger to person or equipment	[Handwritten marks]																			
	importance	[Handwritten marks]																			
	UNIT	difficult?	[Handwritten marks]																		
	tested?	[Handwritten marks]																			

MOS _____ NUMBER OF RESPONDENTS _____
 DATA OBTAINED FROM _____ TRAINING SPECIALIST _____

RATING OF ELS	writing	[Handwritten marks]																			
	reading	[Handwritten marks]																			
	speaking	[Handwritten marks]																			
	listening	[Handwritten marks]																			
METHODS OF TESTING	written	[Handwritten marks]																			
	oral	[Handwritten marks]																			
	performance	[Handwritten marks]																			
METHODS OF TEACHING	self-paced	[Handwritten marks]																			
	hands-on	[Handwritten marks]																			
	demonstration	[Handwritten marks]																			
	lecture	[Handwritten marks]																			
CRITICALITY	danger to person or equipment	[Handwritten marks]																			
	importance	[Handwritten marks]																			
	AIT	difficulty?	[Handwritten marks]																		
tested?		[Handwritten marks]																			
taught?		[Handwritten marks]																			
TASK NUMBER		091-63A-1001	091-63A-1003	091-63A-1004	091-63A-1005	091-63A-1006	091-63A-1007	091-63A-1008	091-63A-2009	091-63A-2010	091-63A-1100										

NBC

JOB #

MOS 453 NUMBER OF RESPONDENTS _____
 DATA OBTAINED FROM _____ TRAINING SPECIALIST _____

RATING OF ELS	writing	reading	speaking	listening
METHODS OF TESTING	written			
	oral			
	performance			
METHODS OF TEACHING	self-paced			
	hands-on			
	demonstration			
	lecture			
CRITICALITY	danger to person or equipment			
	importance			
	difficult?			
UNIT	tested?			

MOS _____ NUMBER OF RESPONDENTS _____
 DATA OBTAINED FROM _____ TRAINING SPECIALIST _____

RATING OF ELS	writing	reading	speaking	listening						
METHODS OF TESTING	written									
	oral									
	performance									
METHODS OF TEACHING	self-paced									
	hands-on									
	demonstration									
	lecture									
CRITICALITY	danger to person or equipment									
	importance									
	difficulty?									
AIT	tested?									
	taught?									
TASK NUMBER	091-63A-2108	091-63A-2109	091-63A-2110	091-63A-2111	091-63A-2112	091-63A-2113	091-63A-2114	091-63A-2115	091-63A-2116	091-63A

Open from 10/1/68

LAND REVISION

MOS 45B NUMBER OF RESPONDENTS _____
 DATA OBTAINED FROM _____ TRAINING SPECIALIST _____

RATING OF ELS	writing	reading	speaking	listening
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
METHODS OF TESTING	written	oral	performance	
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
METHODS OF TEACHING	self-paced	hands-on	demonstration	lecture
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
CRITICALITY	danger to person or equipment	importance		
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
UNIT	difficult?	tested?		
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		

MOS _____ NUMBER OF RESPONDENTS _____
 DATA OBTAINED FROM _____ TRAINING SPECIALIST _____

RATING OF ELS	writing	reading	speaking	listening						
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						
METHODS OF TESTING	written	oral	performance							
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							
METHODS OF TEACHING	self-paced	hands-on	demonstration	lecture						
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						
CRITICALITY	danger to person or equipment	importance								
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>								
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>								
AIT	difficulty?	tested?	taught?							
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							
TASK NUMBER	091-53A-1370	091-53A-2371	091-53A-1360	091-53A-1361	091-53B-1401	091-53B-2102	091-53B-2403	091-53B-1451	091-53B-1452	091-53B-1453

TRIP MANAGER AND PLANNING DOCUMENT
MANAGEMENT
SUPPLY
RIFLES

MOS 458 NUMBER OF RESPONDENTS _____

DATA OBTAINED FROM _____ TRAINING SPECIALIST _____

RATING OF ELS	writing															
	reading															
METHODS OF TESTING	written															
	oral															
METHODS OF TEACHING	self-paced															
	hands-on															
CRITICALITY	danger to person or															
	equipment															
IMPORTANCE	importance															
	difficult?															
UNIT	tested?															
	taught?															

MOS _____ NUMBER OF RESPONDENTS _____

DATA OBTAINED FROM _____ TRAINING SPECIALIST _____

RATING OF ELS	writing																				
	reading																				
METHODS OF TESTING	written																				
	oral																				
METHODS OF TEACHING	self-paced																				
	hands-on																				
CRITICALITY	danger to person or																				
	equipment																				
IMPORTANCE	importance																				
	difficulty?																				
AIT	tested?																				
	taught?																				
TASK NUMBER		09-98-151	09-98-152	09-98-153	09-98-154	09-98-155	09-98-156	09-98-157	09-98-158	09-98-159	09-98-160	09-98-161	09-98-162	09-98-163	09-98-164	09-98-165	09-98-166	09-98-167	09-98-168	09-98-169	09-98-170

Pistol, Revolver and Submachine Gun Rifles

MOS 45B

NUMBER OF RESPONDENTS _____

DATA OBTAINED FROM _____

TRAINING SPECIALIST _____

RATING OF ELS	writing																				
	reading																				
	speaking																				
	listening																				
METHODS OF TESTING	written																				
	oral																				
	performance																				
METHODS OF TEACHING	self-paced																				
	hands-on																				
	demonstration																				
	lecture																				
CRITICALITY	danger to person or equipment																				
	importance																				
	UNIT	difficult?																			
	tested?																				

MOS _____ NUMBER OF RESPONDENTS _____

DATA OBTAINED FROM _____

TRAINING SPECIALIST _____

RATING OF ELS	writing																				
	reading																				
	speaking																				
	listening																				
METHODS OF TESTING	written																				
	oral																				
	performance																				
METHODS OF TEACHING	self-paced																				
	hands-on																				
	demonstration																				
	lecture																				
CRITICALITY	danger to person or equipment																				
	importance																				
	AIT	difficulty?																			
tested?																					
taught?																					
TASK NUMBER		091-458-1607	091-458-1605	091-458-1606	091-458-1607	091-458-1608	091-458-1609	091-458-1610	091-458-2611	091-458-2612	091-458-2613										

MACHINE GUNS

MOS _____ NUMBER OF RESPONDENTS 453

DATA OBTAINED FROM _____ TRAINING SPECIALIST _____

RATING OF ELS	writing	reading	speaking	listening
METHODS OF TESTING	written			
	oral			
	performance			
METHODS OF TEACHING	self-paced			
	hands-on			
	demonstration			
	lecture			
CRITICALITY	danger to person or equipment			
	importance			
	UNIT	difficult?		
	tested?			

MOS _____ NUMBER OF RESPONDENTS _____

DATA OBTAINED FROM _____ TRAINING SPECIALIST _____

RATING OF ELS	writing	reading	speaking	listening
METHODS OF TESTING	written			
	oral			
	performance			
METHODS OF TEACHING	self-paced			
	hands-on			
	demonstration			
	lecture			
CRITICALITY	danger to person or equipment			
	importance			
	AIT	difficulty?		
tested?				
taught?				
TASK NUMBER	091-558-2659	091-558-2659	091-558-2660	091-558-2701
				091-558-2702
				091-558-2703
				091-558-2704
				091-558-2705
				091-558-2706
				091-558-2707

Marked

Revised 2/70

APPENDIX 3

PERCENTAGE LANGUAGE SKILLS

This appendix contains the computations for the percentages of listening, speaking, reading and writing involved in each cluster.

Some clusters have two sets of computations because some Task Prioritization Forms were received after original computations and had to be added on.

PERCENTAGE LANGUAGE SKILLS
MOS 45B

TR = total number of responses to variables in the cluster
 T = number of tasks in the cluster
 V = variables
 R = maximum number of respondents in any task in that cluster

FORMULA	LISTENING	SPEAKING	READING	WRITING
$\% = \frac{TR}{T(V)(R)}$	-demonstration -lecture -hands-on -performance (test) -rating (scale)	-oral (test) -rating (scale)	-self-paced -written (test) -rating (scale)	-lecture -self-paced -written (test) -rating (scale)
Cluster	5 = 100%	2 = 100%	3 = 100%	4 = 100%
FIRST AID 091-63A-1070 THW 091-63A-1074 091-63A-2075 THW 091-63A-2078	$9 \times 5 \times 4 = 180$ 28 25 16 27 32 <hr/> 128 $180 \overline{) 128.000}$	$9 \times 2 \times 1 = 72$ 10 <hr/> 20 30 $72 \overline{) 30.000}$	$9 \times 3 \times 4 = 108$ 2 8 <hr/> 15 25 $108 \overline{) 25.000}$	$9 \times 4 \times 4 = 144$ 25 2 8 <hr/> 7 42 $144 \overline{) 292.000}$
	71%	42%	23%	29%
NBC 091-63A-1001 THW 091-63A-1008 091-63A-2009 091-63A-2010	$10 \times 5 \times 5 = 250$ 36 34 29 34 43 <hr/> 176 $250 \overline{) 176.000}$	$10 \times 2 \times 5 = 100$ 21 <hr/> 24 45 $100 \overline{) 45.000}$	$10 \times 3 \times 5 = 150$ - - <hr/> 7 $150 \overline{) 40.000}$	$10 \times 4 \times 5 = 200$ 34 8 <hr/> 8 55 $200 \overline{) 55.000}$
	70%	45%	27%	28%
INDIVIDUAL FITNESS 091-63A-1100 091-63A-1101	$2 \times 5 \times 4 = 40$ 2 3 2 3 4 <hr/> 14 $40 \overline{) 14.000}$	$2 \times 2 \times 4 = 16$ 1 <hr/> 1 2 $16 \overline{) 2.000}$	$2 \times 5 \times 4 = 21$ 2 0 <hr/> 2 4 $21 \overline{) 4.000}$	$1 \times 1 \times 4 = 32$ 3 2 0 <hr/> 1 6 $32 \overline{) 6.000}$
	35%	13%	17%	19%
				48

PERCENTAGE LANGUAGE SKILLS
NOS 45B

TR = total number of responses to variables in the cluster
T = number of tasks in cluster
V = var. cs
R = max. number of respondents in any task in that clu.

FORMULA	LISTENING	SPEAKING	READING	WRITING
TR + (T)(V)(R) = %	-demonstration -lecture -hands-on -performance (test) -rating (scale)	-oral (test) -rating (scale)	-self-paced -written (test) -rating (scale)	-lecture -self-paced -written (test) -rating (scale)
Cluster	5 = 100%	2 = 100%	3 = 100%	4 = 100%
CAMOUFLAGE	1x5x5=25 4 2 2 4 4 <hr/> 16 25/16.000 64%	1x2x5=10 0 3 3 <hr/> 3 10/3.000 30%	1x3x5=15 0 0 2 2 <hr/> 2 15/2.000 13%	1x4x5=20 2 0 0 2 4 <hr/> 4 20/4.000 20%
LAND NAVIGATION	11x5x3=165 31 31 31 31 31 <hr/> 155 165/155.000 94%	11x2x3=66 12 12 24 <hr/> 24 66/24.000 36%	1x3x3=99 9 2 31 62 <hr/> 62 99/62.000 63%	11x4x3=132 31 19 12 11 73 <hr/> 73 132/73.000 55%
M16A1 RIFLE	2x5x5=50 5 5 7 10 10 <hr/> 37 50/37.000 74%	2x2x5=20 0 6 6 <hr/> 6 20/6.000 30%	2x3x5=30 3 0 4 7 <hr/> 7 30/7.000 23%	2x4x5=40 5 3 0 1 9 <hr/> 9 40/9.000 23%
	74%	30%	23%	23%
				69

**PERCENTAGE LANGUAGE SKILLS
NOS 45B**

TR = total number of responses to variables in the cluster
 T = number of tasks in 't' cluster
 V = variables
 R = maximum number of respondents in any task in that cluster

FORMULA	LISTENING	SPEAKING	READING	WRIT
	-demonstration -lecture -hands-on -performance (test) -rating (scale)	-oral (test) -rating (scale)	-self-paced -written (test) -rating (scale)	-lecture -self-paced -written (test) -rating (scale)
Cluster	5 = 100%	2 = 100%	3 = 100%	4 = 100%
LOGISTICAL MANAGEMENT	5x5x7=175	5x2x7=70	5x3x7=105	5x4x7=140
	9 4 9 9 <u>14</u> 45	2 <u>18</u> 20	3 8 <u>15</u> 26	4 3 8 <u>18</u> 33
091-63A-1300 THRU 091-63A-1302 091-63A-2303 091-63A-2304	<u>175</u> .257 45 45.000	<u>70</u> .286 20 20.000	<u>105</u> .248 26 26.000	<u>140</u> .236 33 33.000
	26%	29%	25%	24%
SUPPLY	2x5x8=80	2x2x8=32	2x3x8=48	2x4x8=64
	5 4 8 7 <u>11</u> 35	1 <u>9</u> 10	2 6 <u>10</u> 18	4 2 6 <u>11</u> 23
091-63A-1340 091-63A-2341	<u>80</u> .438 35 35.000	<u>32</u> .313 10 10.000	<u>48</u> .375 18 18.000	<u>64</u> .357 23 23.000
	44%	31%	38%	36%
MAINTENANCE	2x5x8=80	2x2x8=32	2x3x8=48	2x4x8=64
	3 4 6 6 7 <u>26</u>	2 <u>8</u> 10	2 1 8 <u>11</u>	4 2 1 8 <u>15</u>
091-63A-1360 091-63A-1361	<u>80</u> .325 26 26.000	<u>32</u> .313 10 10.000	<u>48</u> .229 11 11.000	<u>64</u> .23 15 15.000
	23%	31%	23%	23%
				70

PERCENTAGE LANGUAGE SKILLS
NOS 45B

TR = total number of responses to variables in the cluster
 T = number of tasks in the cluster
 V = variables
 R = maximum number of respondents in any task in that cluster.

FORMULA	LISTENING	SPEAKING	READING	WRITING
TR + (T)(V)(R) = %	-demonstration -lecture -hands-on -performance (test) -rating (scale)	-oral (test) -rating (scale)	-self-paced -written (test) -rating (scale)	-lecture -self-paced -written (test) -rating (scale)
Cluster	5 = 100%	2 = 100%	3 = 100%	4 = 100%
TEST, MEASUREMENT AND DIAGNOSTIC EQUIPMENT	$3 \times 5 \times 8 = 120$ 17 7 15 15 19 $\frac{73}{120} \overline{) 73.000}$.608	$3 \times 2 \times 8 = 48$ 1 19 $\frac{20}{48} \overline{) 20.000}$.417	$3 \times 3 \times 8 = 72$ 10 3 17 $\frac{30}{72} \overline{) 30.000}$.417	$3 \times 4 \times 8 = 96$ 7 10 3 12 $\frac{32}{96} \overline{) 32.000}$.333
091-45B-1401 091-45B-2402 091-45B-2403				
	61%	42%	42%	33%
RIFLES	$7 \times 5 \times 8 = 280$ 14 4 36 43 40 $\frac{137}{280} \overline{) 137.000}$.489	$7 \times 2 \times 8 = 112$ 7 39 $\frac{46}{112} \overline{) 46.000}$.411	$7 \times 3 \times 8 = 168$ 9 1 18 $\frac{71}{168} \overline{) 71.000}$.423	$7 \times 4 \times 8 = 224$ 4 29 4 29 $\frac{66}{224} \overline{) 66.000}$.295
091-45B-1451 THRU 091-45B-1457				
	49%	41%	42%	30%
PISTOL, REVOLVER, AND SUBMACHINE GUN	$6 \times 5 \times 8 = 240$ 13 6 44 40 39 $\frac{142}{240} \overline{) 142.000}$.592	$6 \times 2 \times 8 = 96$ 6 35 $\frac{41}{96} \overline{) 41.000}$.427	$6 \times 3 \times 8 = 144$ 32 10 45 $\frac{87}{144} \overline{) 87.000}$.601	$6 \times 4 \times 8 = 192$ 6 32 10 31 $\frac{79}{192} \overline{) 79.000}$.411
091-45B-1501 THRU 091-45B-1506				
	59%	43%	61%	41%
				71

PERCENTAGE LANGUAGE SKILLS
MOS 45B

TR = total number of responses to variables in the cluster
T = number of tasks in the cluster
V = variables
R = maximum number of respondents in any task in that cluster

FORMULA	LISTENING	SPEAKING	READING	WRIT
$TR + (T)(V)(R) = \%$	-demonstration -lecture -hands-on -performance (test) -rating (scale)	-oral (test) -rating (scale)	-self-paced -written (test) -rating (scale)	-lecture -self-paced -written (test) -rating (scale)
Cluster	5 = 100%	2 = 100%	3 = 100%	4 = 100%
SMSTGUN, GRENADE AND ROCKET LAUNCHERS 091-45B-1551 THRU 091-45B-1557	$7 \times 5 \times 8 = 280$ 8 2 38 27 34 <u>109</u> $280 \overline{)109.000} \quad .389$	$7 \times 2 \times 8 = 112$ 2 32 <u>34</u> $112 \overline{)34.000} \quad .304$	$7 \times 3 \times 8 = 168$ 25 12 39 <u>76</u> $168 \overline{)76.000} \quad .452$	$7 \times 4 \times 8 = 224$ 2 25 12 31 <u>70</u> $224 \overline{)70.000} \quad .313$
	39%	30%	45%	31%
MACHINEGUNS 091-45B-1601 THRU 091-45B-1610 091-45B-2611 THRU 091-45B-2616	$16 \times 5 \times 8 = 640$ 29 15 116 105 118 <u>383</u> $640 \overline{)383.000} \quad .598$	$16 \times 2 \times 8 = 256$ 7 102 <u>109</u> $256 \overline{)109.000} \quad .426$	$16 \times 3 \times 8 = 384$ 85 16 118 <u>219</u> $384 \overline{)219.000} \quad .570$	$16 \times 4 \times 8 = 512$ 15 85 16 80 <u>196</u> $512 \overline{)196.000} \quad .382$
	60%	43%	57%	38%
MORTARS 091-45B-2651 THRU 091-45B-2660	$10 \times 5 \times 7 = 350$ 23 8 59 60 58 <u>208</u> $350 \overline{)208.000} \quad .594$	$10 \times 2 \times 7 = 140$ 2 58 <u>60</u> $140 \overline{)60.000} \quad .429$	$10 \times 3 \times 7 = 210$ 38 18 60 <u>116</u> $210 \overline{)116.000} \quad .552$	$10 \times 4 \times 7 = 280$ 8 38 18 49 <u>113</u> $280 \overline{)113.000} \quad .404$
	59%	43%	55%	40%
				72

PERCENTAGE LANGUAGE SKILLS
NOS 45B

FORMULA LISTENING SPEAKING READING WRITING

$TR + (T)(V)(R) = \%$

- demonstration
- lecture
- hands-on
- performance (test)
- rating (scale)

- oral (test)
- rating (scale)

- self-paced
- written (test)
- rating (scale)

- lecture
- self-paced
- written (test)
- rating (scale)

Cluster

5 = 100%

2 = 100%

3 = 100%

4 = 100%

RECOILLESS
RIFLES

$8 \times 5 \times 6 = 240$

$8 \times 2 \times 6 = 96$

$8 \times 3 \times 6 = 144$

$8 \times 4 \times 6 = 192$

12
4
14
14
14
58

2
12
14

3
0
14
17

4
3
0
9
16

091-45B-2701
THRU
091-45B-2708

$240 \overline{) 58.000} \dots .242$

$96 \overline{) 14.000} \dots .146$

$144 \overline{) 17.000} \dots .118$

$192 \overline{) 16.000} \dots .083$

24%

15%

12%

8%

GUN, AUTOMATIC,
20mm, M139

$3 \times 5 \times 3 = 45$

$3 \times 2 \times 3 = 18$

$3 \times 3 = 27$

$3 \times 4 \times 3 = 36$

3
0
3
3
3
12

0
3
3

0
0
3
3

0
0
0
3
3

091-45B-2751
THRU
091-45B-2753

$45 \overline{) 12.000} \dots .267$

$18 \overline{) 3.000} \dots .167$

$27 \overline{) 3.000} \dots .111$

$36 \overline{) 3.000} \dots .083$

27%

17%

11%

8%

T = total number of responses to variables in the cluster
 V = number of tasks in the cluster
 R = number of variables
 R = maximum number of respondents in any task in that cluster.

APPENDIX 4

OBSERVATION FORMS

The attached forms were taken to the actual training where observers recorded actual training situations and language used in the training. These forms were used to indicate the CONDITIONS for the Job Language Performance Requirements in this MOS.

MOS _____

PERSON RECORDING _____

LOCATION
(UNIT/AIT) _____

SUBJECT _____

* TASK NUMBER IF KNOWN _____

Physical Environment of Instruction

- A. Classroom
- B. Open Areas (live firefield- mark-up terrain)
- C. Large enclosed area (bleacher sites)
(Warehouse size)
- D. Other

Styles of Communication Instructor, Verbal orders

Comments:

- A. Formal Speech
- B. Informal Speech
- C. Regional/Ethnic
- D. Body Language
- E. Profanity
- F. Shop talk/slang
- G. Non-standard English
- I. Other

Comments:

Media of Instruction

- A. Films
- B. Video cassettes
- C. Graphic Training Aids (diagrams, etc....)
- D. Illustrations (requiring reading/not requiring reading)
- E. Maps
- F. Mock-ups
- G. Models/Imitate
- H. Visual equipment
- I. Transparencies
- J. Tape cassettes
- K. Training Publications (required/available)
- L. Signs/Notices
- M. P.A. System
- N. Normal Voice
- O. Soldier's Manual
- P. Chalkboard
- Q. Other

Comments:

Mode of Response

- A. Manipulating a piece of equipment/device
- B. Answers (spoken - written)
- C. Signals
- D. Performance
- E. Taking Notes
- F. Teamwork
- G. Other

Comments:

Instructional Ratio

- A. Instructor, one-to-one/class
- B. Peer/one-to-one
- C. Group or Committee Group (group of instructors of whom one teaches one portion of the whole)
 - Small (12 or less)
 - Large (more than 12)
- D. Questions

Comments:

75

APPENDIX 5

STRUCTURAL/LEXICAL LIST

Attached is the list of
structural and lexical items
for this MOS.
(For discussion, see Section II)

STRUCTURAL ITEMS

SENTENCE PATTERNS

SIMPLE: One subject and one predicate

1. Subject and action verb
Firer aims.
2. Subject and action verb and direct/indirect object
Many things cause burns.
3. Subject and linking verb and subjective complement
This is very important.

COMPOUND: Two or more sentences joined by:

1. Coordinating conjunction

Explain the task and ask the trainees if they understand the task, and the conditions they are expected to perform at the end of the session, the conditions under which they must operate, and the standard they must achieve.

2. Conjunctive adverb

Do not start or stop the vehicle while the radio is on or you may damage the set.

3. Semicolon

A light pressure is exerted on the driving spring when the bolt is forward; however, never attempt to cock the gun while the backplate is off and the driving spring assembly is in place.

COMPLEX: One or more dependent clauses

1. Adjectival (functions as an adjective by modifying nouns and pronouns)

At the bottom of the map you will find three different bar scales which will help you to change map distance to miles, meters, or yards.

2. Adverbial (functions as an adverb by modifying verbs, adjectives, and other adverbs) The mouth-to-nose method is performed in the same way except you blow into his nose while you pinch his lips closed with one hand.

3. Noun (functions as a noun) The person who is performing artificial respiration quickly blows into the casualty's lungs after each five compressions.

SENTENCE TYPES

1. INTERROGATIVE

(do, does, modal, wh-, tag, inverted)
But what about the other 15 meters?
Ask, "What is there?"

2. DECLARATIVE

Classified information will not be discussed over the telephone.

3. EXCLAMATORY

HALT!

4. IMPERATIVE

Issue the challenge in a soft voice and wait for the (requests, commands, second person (singular/plural, negative/affirmative), First and second person (let's)) stranger to reply with the correct password.

5. ELLIPSIS:

Split the bracket until fire for effect is possible. Most common type of ellipsis--subject deleted

6. FRAGMENT

Movement to occupy a position.
All other parts.

ADVERBIAL CLAUSES

1. PURPOSES

Training must be conducted so that at least 80% of the students can accomplish the task trained to the standards specified for the task.

2. CONTRAST

Although natural terrain features are likely not to change and make good reference points to orient a map, you may also use manmade features such as roads, bridges, etc., to orient your map.

3. COMPARISON

Place suitable material under him as well as over him if necessary.

4. RESULT

Blending is the use of camouflage materials on, over, and around an object so that it appears to be part of the background.

5. MANNER

Take deep breath and place mouth around soldier's mouth; then blow forcefully as you observe his chest.

6. TIME

When you have to go a certain distance on foot without any landmarks to guide you, you can measure distance pretty accurately by counting your paces.

Split the bracket until fire for effect is possible.

7. PLACE

Loosen clothing at neck, waist, and other places where it tends to bind.

8. CAUSE

Be careful not to depress the trigger, since this will cause the firing pin to be released.

9. ADVERSATIVE

The casualty has no fractures, but has a bleeding wound.

10. CONDITION

If it isn't, your rifle can still fire, but it could possibly explode, causing you harm.

PHRASES

1. GERUND

(upon) Hearing the correct password, give permission to pass if you have no other reasons to doubt.

2. PARTICIPIAL

Using a straightedge draw a line between the two objects.

3. INFINITIVE

To camouflage exposed skin paint the shiny areas with a dark color.

4. PREPOSITIONAL

Under certain light conditions, front sight ports can be seen, but you can't determine whether you are looking through, above, or to the side of the rear sight aperture.

LEXICAL ITEMS

ADJECTIVALS

"rifle bore cleaner"
"waste material"
"burning residue"
"semi-fixed ammunition"
"extracting/loading ammunition"
"firing hammer"
"four life-saving steps"
"chest/heart massage"
"tourniquet material"
"field material"
"field condition"
"mouth-to-mouth resuscitation"

ADJECTIVES

1. WORD + ABLE

AVAILABLE

2. COMPARATIVES

Threat main tanks are smaller than the US main battle tanks.

3. SUPERLATIVES

The most dangerous targets are those that see you, have the capability of killing you, and appear to be preparing to engage you.

PRONOUNS

1. INDEFINITE

Have someone walk the FDL (if enemy situation permits), and determine dead space (sections of FDL where individual drops below line of sight).

2. POSSESSIVE

Shake his shoulder and shout, "Are you OK.?"

3. SUBJECTIVE

This will give you correct nomenclature.

4. OBJECTIVE

It will also give you the correct functioning.

5. REFLEXIVE

Keep yourself clear of the muzzle.

VERBS

1. VERB TENSES

Make sure you clearly understand the task you are to teach.

--You will be tested.

--If they elect to take it, they must complete the test once they have begun the first event or else they will receive a NO GO for the entire test.

--If the soldier is breathing, mouth-to-mouth resuscitation is not necessary.

--When all 10 pebbles have been moved to the left pocket, you have traveled one kilometer.

--Have someone walk the FDL and determine dead space.

--Sensing is an instantaneous determination by the grenadier as to where the grenade exploded.

present progressive verb
present verb (uninflected, third
person, indicative)
past tense (regular/irregular)
present perfect
future

2. TYPES

intransitive
(You) train for results.

transitive
Mask the casualty.

linking
The skin becomes inflamed.

3. VOICE

active

recognize
protect
is facing
remove
explode
sounds
points out
seen

appear
seek
secure
wear
mask
stored
do require
could affect

has
must be
wipe
rinse
put brush
empty
reassemble
reinstall

passive

given
is protected
is sprayed

are alerted
are reported
have been corrected

are authorized
be corrected

passive+verb+ing
"task will be performed
using procedures"
modal+passive voice
"can be determined"
modal+negative+passive
"must not be eliminated"

4. MODALS

You must demonstrate, once every 6 months, that you can meet or exceed the minimum level of physical fitness required of each member of your unit in accordance with the standards contained in AR 600-9.

Personnel over the age of 40 may elect not to take the APFT. The pulse should be found in the soft area between the Adam's apple and the large muscle on the side of the neck.

Injury or death could result.

During surveillance the operator will have to adjust the range focus to get a sharp image at different ranges.

"might have to be placed"
"be"
"will be given"
"should be"
"must"
"must be"
"can"
"can be"
"may be"
"should not be"

5. AUXILIARIES

(do, does, negative)

Do not zero in under 100 meters.

If the round does not fall within 5 meters of target, zeroing procedures are called for.

GERUNDS

Sensing is an instantaneous determination by the grenadier as to where the grenade explodes with respect to the target.

INFINITIVES

- To fire, hold the M16A1 in the rest with your right shoulder firmly against the weapon's butt plate.

ADVERBS +

1. SUPERLATIVE

When such a line of fire exists, the primary sector will be assigned, based on it, with the FDL being the sector limit closest to the friendly troops.

2. INDEFINITE

The launcher has a heavy coat of oil on working parts, and a light coat of oil elsewhere.

3. FREQUENCY

Apply a little graphite grease to the threads of the antenna section for easy removal and to prevent the sections from seizing if they have been rarely removed.

4. OTHER

Assembly procedure for the grenade launcher merely reverses disassembly steps.

5. COMPARATIVE

The care, cleaning, lubrication and adjustment of the mount used with the gun are no less important.

VERBS AND PREPOSITIONS

Line up the key in the receptacle with the slot in the cable connector.

VERBS AND ADVERB

(particles)

Put on the protective mask within nine seconds of the chemical alarm and remain in the contaminated area for at least two minutes without making further adjustments to the mask.

APPENDIX 6

VOCABULARY (DLIELC IN-HOUSE)

The following vocabulary list was extracted from the Soldier's Manual task by task and then categorized into GENERAL, BASIC AND TECHNICAL vocabulary.

NOT APPLICABLE

REF: On 15 MAY 1981 agreement between
TRADOC and DLIELC was reached
that DLIELC In-House Vocabulary
would not be produced for this
MOS.

APPENDIX 7

Appendix 7 is the machine-generated vocabulary list. It was not useful for our purposes. It is included as a vocabulary reference.

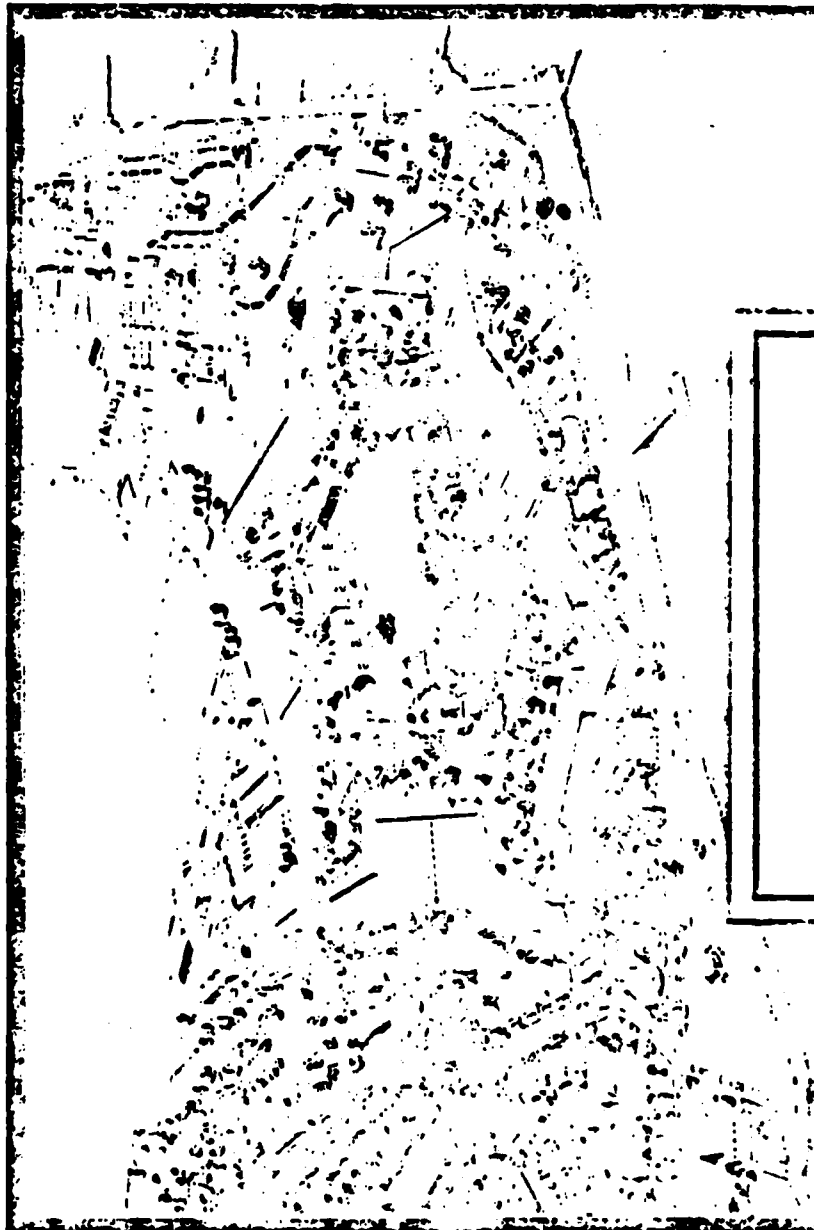
HEADQUARTERS

DATA CONTROL NUMBER

JOB NO / PROJECT

UNITED STATES ARMY TRAINING AND DOCTRINE COMMAND

FORT MONROE, VIRGINIA 23651



NOV 2 1953

45 B-1

87

PREPARED BY: OPERATIONS DIV. DPFO

COPY ___ OF ___ COPIES

COUNT	DESCRIPTION	COUNT	DESCRIPTION	COUNT	DESCRIPTION
11	ASSEMBLY	1	ASSEMBLY	1	ASSEMBLY
21	ACCUMULATOR	1	ACCUMULATOR	1	ACCUMULATOR
31	ADJUSTMENT	1	ADJUSTMENT	1	ADJUSTMENT
41	ALIGN	1	ALIGN	1	ALIGN
51	ALIGNMENT	1	ALIGNMENT	1	ALIGNMENT
61	ALLOY	1	ALLOY	1	ALLOY
71	ALUMINUM	1	ALUMINUM	1	ALUMINUM
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991	ALWAYS	1	ALWAYS	1	ALWAYS
1001	ALWAYS	1	ALWAYS	1	ALWAYS

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COUNT4 WORD4

NO5 WORD LISTING/ASCENDING SEQUENCE
COUNT3 WORD3

COUNT2 WORD2

COUNT1 WORD1

1	REMOVE	94	REMOVE	36	PAIR
2	ADJUST	24	ADJUST	1	ADJUSTED
3	CONTACT	4	CONTACT	6	RETRACTING
4	REVOLVER	19	REVOLVER	41	PISTLE
5	RING	1	RING	8	RACKET
6	POUND	1	POUND		
7	SEALTY	15	SEALTY		
8	SCREWS	3	SCREWS	5	SEAR
9	SECTION	29	SECTION	3	SECTOR
10	SEPARATE	1	SEPARATE	5	SERVICEABILITY
11	SHOULDER	1	SHOULDER	31	SHOP
12	SHOULDER	18	SHOULDER	2	SHOE
13	STAYS	1	STAYS	1	SINGLE
14	SLEEVE	2	SLEEVE	17	SLIDE
15	SPELL	52	SPELL	1	SNAP
16	SPRING	17	SPRING	2	SPRINGS
17	STAKE	1	STAKE	31	STANDARD
18	STEP	1	STEP	7	STOCK
19	STUDY	31	STUDY	7	SUPMACHINEGUN
20	SWITCH	2	SWITCH	5	SWIVEL
21	TABLE	5	TABLE	31	YACK
22	TESTER	5	TESTER	2	TESTS
23	THE	154	THE	3	THEN
24	THIMBLE	1	THIMBLE	32	TIPS
25	THUMBPIECE	3	THUMBPIECE	3	TIME
26	TILING	10	TILING	77	TM
27	TRO	2	TRO	79	TOOL
28	TRAVEL	1	TRAVEL	2	TRAVERING
29	TRIPPOD	10	TRIPPOD	4	TPUNNION
30	TWO	2	TWO	1	UNLINED
31	UNCREMED	1	UNCREMED	9	UNTIL
32	USE	18	USE	23	USING
33	UPPER		UPPER	4	USUALLY
34	WEIGHT	2	WEIGHT		
35	WEIGHTS	7	WEIGHTS	18	WEEDS
36	WINCHESTER	6	WINCHESTER	1	WEILE
37	WORKBENCH	5	WORKBENCH	24	WITH
38				2	YCKE
39				31	YOUR

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COUNTA WCRDA

105 WORD LISTING/DESCENDING FREQUENCY
COUNT1 WORD1

6	ALOCK	6	ADJECT
6	TECH	6	FEW
6	WELL	6	IMPROVISED
6	WELT	6	MIO
6	WUTPUT	6	PLICE
6	WUTPUT	6	SAFE
6	WUTPUT	6	SLING
6	WUTPUT	5	BETWEEN
5	WUTPUT	5	DISCONNECTOR
5	WUTPUT	5	GLP
5	WUTPUT	5	LUBRICATE
5	WUTPUT	5	SEAL
5	WUTPUT	5	TENDER
4	WUTPUT	4	AT
4	WUTPUT	4	BRECH
4	WUTPUT	4	DEPRESS
4	WUTPUT	4	FARELY
4	WUTPUT	4	MAR
4	WUTPUT	4	OPERATING
4	WUTPUT	4	PEERS
4	WUTPUT	4	RETURN
4	WUTPUT	4	VISUALLY
3	WUTPUT	3	ACCELERATOR
3	WUTPUT	3	ADJ
3	WUTPUT	3	ADJO
3	WUTPUT	3	CENTRIDGE
3	WUTPUT	3	ENTER
3	WUTPUT	3	FRAME
3	WUTPUT	3	INSURE
3	WUTPUT	3	MAY
3	WUTPUT	3	NOTCH
3	WUTPUT	3	PEOPLE
3	WUTPUT	3	PLATE
3	WUTPUT	3	SECONDS
3	WUTPUT	3	THUMPPIECE
2	WUTPUT	2	ABOUT
2	WUTPUT	2	ASSIST
2	WUTPUT	2	BELT
2	WUTPUT	2	CIDGE
2	WUTPUT	2	DIAMETER
2	WUTPUT	2	HEADLESS
2	WUTPUT	2	LEG
2	WUTPUT	2	MOST
2	WUTPUT	2	PAM
2	WUTPUT	2	PLACED
2	WUTPUT	2	PEARWARD
2	WUTPUT	2	SIDE
2	WUTPUT	2	STRAIGHTNESS
2	WUTPUT	2	TOR
2	WUTPUT	2	TUDE

92

2 TNO	2 IMPROVISING	2 FORMID	2 TNO
2 UP	2 WBY	2 WBY	2 WBY
2 VEK	1 ACCOMPLISH	1 ACCOMPLISH	1 ACTUATE
1 BODYPANAL	1 AFFIRE	1 AFFIRE	1 ANVIL
1 ASSIMILATED	1 PMS	1 PMS	1 BEVELED
1 BLACKS	1 PSES	1 PSES	1 BUTTON
1 CARLE	1 CORRECT	1 CORRECT	1 CAPTION
1 CERNO	1 DEFECT	1 DEFECT	1 CONNECTOR
1 CORPSE	1 CO	1 CO	1 DEPRESSED
1 DEPRESSING	1 CARLY	1 CARLY	1 CRUSLE
1 DEM	1 EXAMPLE	1 EXAMPLE	1 EDGE
1 EJECTOR	1 FINGER	1 FINGER	1 EXISTS
1 FORDWAY	1 FFER	1 FFER	1 FOLLOWER
1 FOOT-BINDING	1 GUARDS	1 GUARDS	1 FULLY
1 HATER	1 HAND-FUNCTION	1 HAND-FUNCTION	1 GUIDES
1 HIGH-ROUND	1 HOLDING	1 HOLDING	1 HPS
1 LEG	1 INSTALL	1 INSTALL	1 HOLES
1 LEGH	1 LEAD	1 LEAD	1 LEAF
1 LEGS	1 LET	1 LET	1 LIFE
1 LIGN	1 LINER	1 LINER	1 LOCKING
1 LOGS	1 MACHINE	1 MACHINE	1 MAINSPRING
1 MAXIMUM	1 MEETER	1 MEETER	1 M2HB
1 MCI	1 OCT	1 OCT	1 PEF
1 OPERATIONS	1 PAWL	1 PAWL	1 PMS
1 PIPER	1 PLACING	1 PLACING	1 PRESSURE
1 PULLING	1 RUDGE	1 RUDGE	1 REBOUND
1 RUDGE	1 RECOILING	1 RECOILING	1 RECORD
1 RELEASED	1 REM LING	1 REM LING	1 REQUIRED
1 RINGS	1 RING	1 RING	1 PRAFT
1 SCAP	1 SCALATE	1 SCALATE	1 SETTING
1 SCAPD	1 STRAITS	1 STRAITS	1 STABLE
1 SKILL	1 SWO	1 SWO	1 SCUSED
1 SQUEEZING	1 STELLITE	1 STELLITE	1 STEP
1 TILL	1 THICKNESS	1 THICKNESS	1 THIMBLE
1 TRAFF	1 TIMED	1 TIMED	1 TRAVEL
1 TRAY	1 TURN	1 TURN	1 UNLINED
1 JUDGEM	1 VEIV	1 VEIV	1 WHFN
	1 WHITE	1 WHITE	1 WIRE

HEADQUARTERS

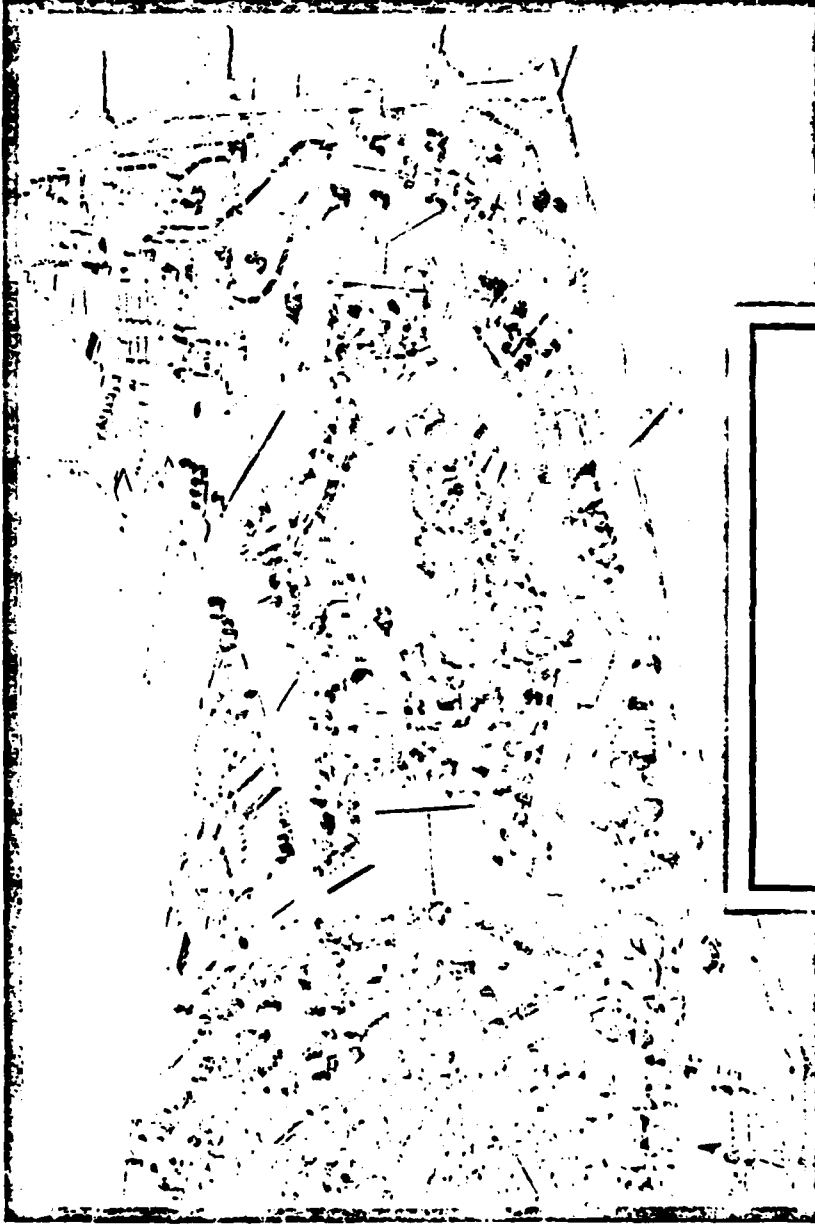
DATA CONTROL NUMBER

JOB NO / PROJECT 1

UNITED STATES ARMY TRAINING AND DOCTRINE COMMAND

FORT MONROE, VIRGINIA 23651

NOV 25 1960



45 B-2

94.

PREPARED BY: OPERATIONS DIV, DPFO

COPY ____ OF ____ CO

FORM 100

AD-A121 124

JOB LANGUAGE PERFORMANCE REQUIREMENTS FOR MOS 45B SMALL
ARMS REPAIRMAN RE. (U) DEFENSE LANGUAGE INST LACKLAND
AFB TX ENGLISH LANGUAGE CENTER.. 14 MAY 76

2/2

UNCLASSIFIED

F/G 5/9

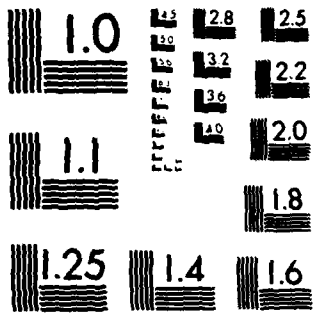
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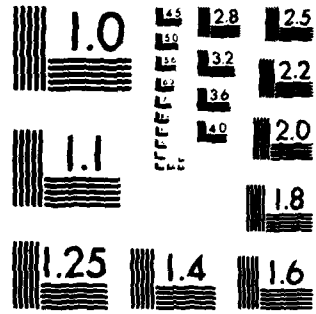
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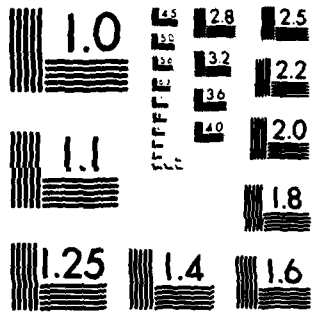
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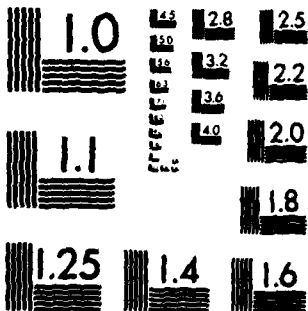
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NATIONAL BUREAU OF STANDARDS-1963-A



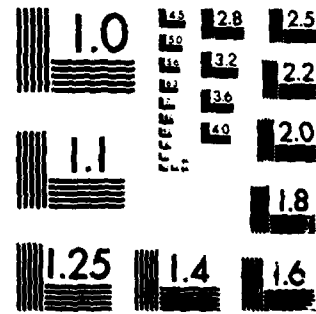
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NATIONAL BUREAU OF STANDARDS-1963-A



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

11/10/67 Skill Level 2

DATE 90325 / PAGE 1
COUNT 4 WORDS

WORD LISTING/WORDING SEQUENCE
COUNT 3 WORDS

COUNT 2 WORDS

4	ADJUST	10	REPAIR	19	WELDING
2	ALIGN	11	REPAIR	20	WELDING
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17	ALIGN	22	REPAIR	22	WELDING
2	ALIGN	23	REPAIR	23	WELDING
6	ALIGN	24	REPAIR	24	WELDING
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1	ALIGN	100	REPAIR	100	WELDING

55

COUNT4 NCR04

109 WILL
24 WORK
79 YOU
29 YOUR

WORD LISTING/ASCENDING SEQUENCE
COUNT3 WORD3

2 NIP
1 WITHIN
6 YUK

COUNT2 WORD2

1 NICE
2 MOTHER
1 MURDER

COUNT1 WORD1

109
24
79
29

98

COUNTA WORDS	WORDS	LISTING/DESCENDING	FREQUENCY	COUNTA WORDS
123	PERFORM		27	ASSIMILY
97	PERFORMANCE		27	BY
79	YTH		76	MANTENANCE
64	BE		56	MEASURES
56	CM		54	FURN
54	CR		47	FACE
47	PERFORM		41	CONJON
41	CAGE		34	KY
34	PUR		33	FIELD
31	MACHINEGUN		31	EMPLOY
30	EVOLUTION		30	COMPONENTS
29	ABILITY		29	CONDITIONS
29	DISASSEMBLE		29	FORMS
29	PROGRAM/REFERENCE		29	PERFORMED
29	SHOP		29	SEC
29	TESTED		27	STUDY
27	COUP		27	COMPLETE
25	FS		26	NOV
24	USING		24	REQUEST
23	BOL		23	ACCOMPLISHED
22	POSCOPE		23	GS
21	COVER		22	TRAVERSING
20	ORDER		21	SEC
19	AUTOMATIC		20	REVERSE
19	MATERIALS		19	INSPECT
18	FOR		18	CLEAN
18	WEAPON		18	SLIDE
17	A2		17	FEEDER
16	HINGE		16	PLUG
16	SCC		16	RECURSIVE
15	FLARE		14	LEVER
14	OPERATION		14	EMER
13	PCRAMS		12	SLIDE
12	BASE		12	DIST
12	EXTENSION		11	CAP
11	INSPECTION		11	TRIGGER
11	TAC		10	LOCK
10	NADP2		9	SLASH
9	CPL		9	CLUTCH
9	MEASUREMENT		9	CLUTCH
9	SPINDLE		8	WACKET
8	CABLE		8	GUIDE
8	ROCKET		8	POSITIONED
7	DEPRESS		8	MACHINERY
7	P2001		7	WHS
7	SEC		7	FEEDING

COUNT4 WORDS

- 1 UNPL
- 1 VISUALLY
- 1 WITHOUT
- 1 WRENCH

405 WORD LISTING/DESCENDING FREQUENCY

COUNT3 WORDS

- 1 UNSPECIFIED
- ~~1~~
- 1 WHEEL

COUNT2 WORDS

- 1 TRUCK
- ~~1~~
- 1 WISCONS

COUNT1 WORDS

- 1 TELEPH
- 1 VIBR
- ~~1~~

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APPENDIX 8

ENGLISH LANGUAGE STRUCTURES AND LEXICON

The following list is included as an addition to the structural and lexical list. These structures and lexical items are very basic.
(See Section II for discussion.)

LIST OF LEXICAL AND STRUCTURAL ITEMS FOR ENGLISH LANGUAGE STRUCTURES

Sentences:

- | | |
|------------------|-------------------------|
| A. Declarative | statement |
| B. Interrogative | question |
| | 1. wh- questions |
| | 2. tag questions |
| | 3. yes/no questions |
| C. Imperative | command, polite request |
| D. Exclamatory | exclamation |

Sentence Complexity:

- | | |
|---------------------|---|
| A. Simple | one full subject and predicate |
| B. Compound | two or more independent clauses joined by: |
| | 1. punctuation |
| | 2. punctuation and conjunctive adverb |
| | 3. coordinate conjunction |
| C. Complex | one or more dependent clauses and an independent clause |
| D. Compound-Complex | two or more independent clauses and one or more dependent clauses |

Verbs:

- | | |
|----------------------------|---|
| A. Concord | subject-verb agreement |
| B. Transitive | takes an object |
| C. Intransitive | doesn't take an object |
| D. Copula | to be |
| E. Linking | connectors |
| F. Auxiliaries of tense | will, do, did |
| G. Auxiliaries of modality | should, ought to, must to, have to, have got to, able to, can, may, might, could, would |
| H. Tense | present, past |
| I. Aspect | perfect, progressive |

Verbal Forms:

- | | |
|-----------------------|---------------|
| A. Present Participle | active voice |
| B. Past Participle | passive voice |

Voice:

- | | |
|------------|----------------------------|
| A. Active | subject does action |
| B. Passive | subject does not do action |
| | 1. agent expressed |
| | 2. agent not expressed |

Nouns:

- | | |
|---------------|-----------|
| A. Singular | man, pen |
| B. Plural | men, pens |
| C. Count | chairs |
| D. Mass | flour |
| E. Possessive | soldier's |
| F. Collective | fish |

Adjectives:

- | | |
|-----------------------------|---------------------------|
| A. Predicative | The tank is green. |
| B. Attributive | The green tank is moving. |
| C. Degrees of comparison | |
| 1. regular | big, bigger |
| 2. irregular | worse, worst |
| D. Ordinal/Cardinal Numbers | first, one |

Adverbs:

- | | |
|-------------------|-------------------------|
| A. Time/Frequency | immediately, today, ago |
| B. Place/Position | here, there, everywhere |
| C. Manner | maybe, possibly |
| D. Negative | no, never |
| E. Comparison of | nearest, harder |
| F. Degree | thoroughly, completely |

Articles:

- | | |
|---------------|-----------|
| A. Definite | a, the |
| B. Indefinite | any, some |

Pronouns:

- | | |
|------------------|---------------------|
| A. Personal | you |
| B. Demonstrative | that |
| C. Indefinite | anybody, both, each |
| D. Reflexive | himself, yourself |
| E. Cases of | I, me, my, mine |
| F. Relative | who, whom, whose |
| G. Interrogative | who, which, what |

Conjunctions:

- | | |
|-----------------------|------------------------------|
| A. Coordinating | and, but, or, nor |
| B. Subordinating | because, if, as, that, after |
| C. Correlative | either, or |
| D. Conjunctive adverb | therefore, furthermore |

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Prepositions:

A. Simple

- | | |
|----------------------------------|------------|
| 1. place | on, in |
| 2. time | in, at, on |
| 3. direction/motion | to |
| 4. manner/agent/
instrument | by, with |
| 5. measurement/
number amount | of |

B. Compound:

according to, because of, by means

Vocabulary:

words from 1100 through 2400 -
Elementary and Intermediate Phase of General
English materials

Special Expressions/Idioms

"knock it off" "can it, buddy"

Verb Combinations

two word verbs

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