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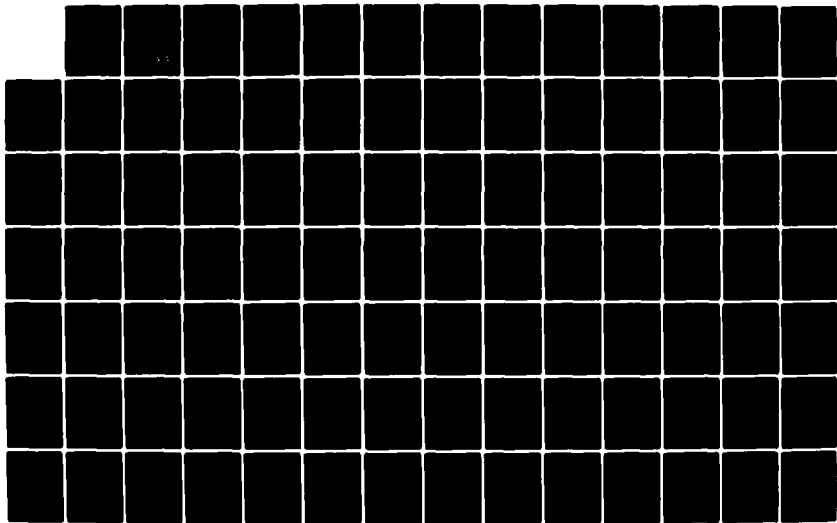
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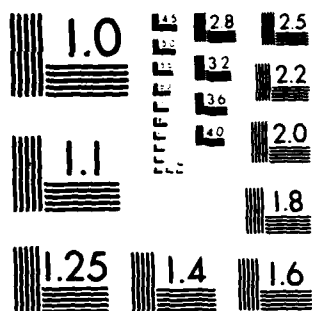
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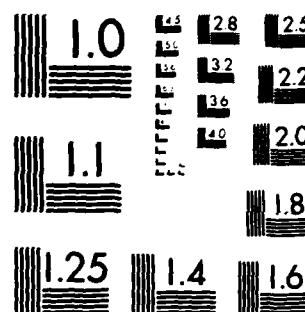
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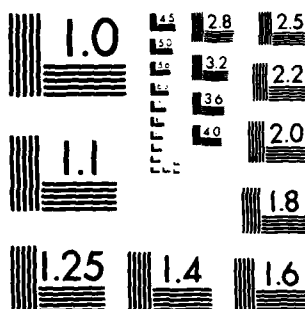




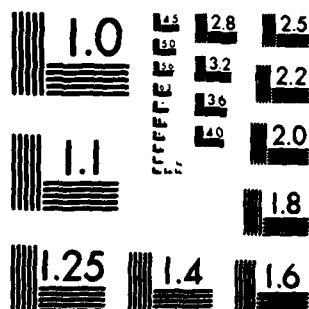
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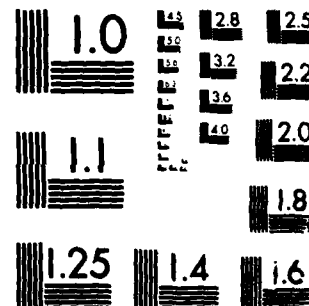
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OCT 1982

JOB LANGUAGE PERFORMANCE REQUIREMENTS

FOR 44B

MOS

METAL WORKER

REFERENCE SOLDIER'S MANUAL DATED

17 April 1979

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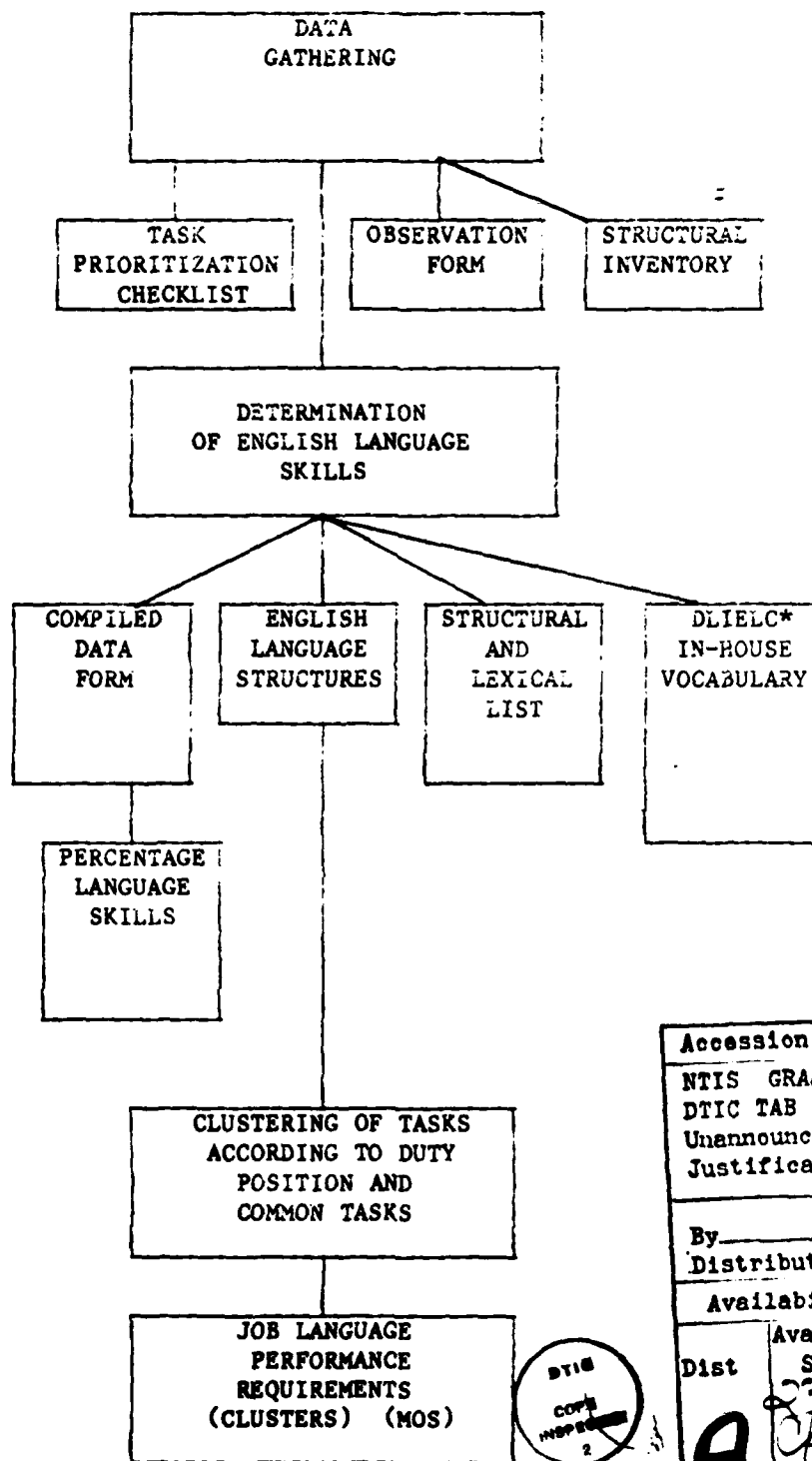
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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) The Job Language Performance Requirements (JLPR) study was conducted to deter- mine language tasks the soldier must do in studying/performing job tasks. The language 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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FIGURE 1

*Defense Language Institute English Language Center

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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

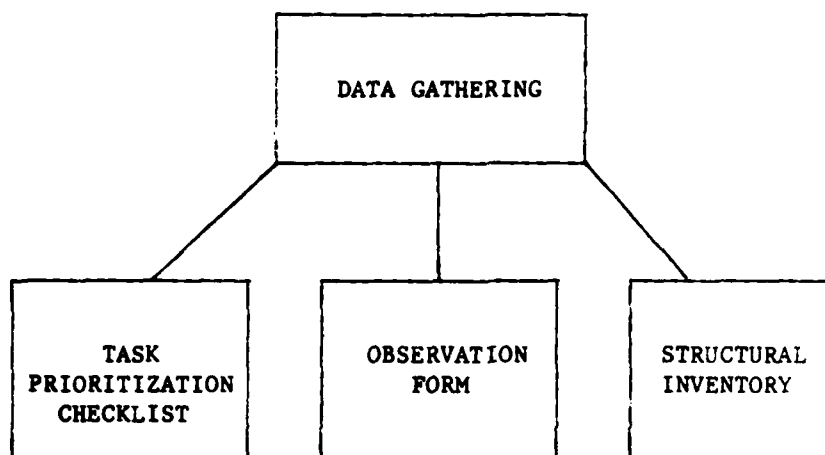


FIGURE 2

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

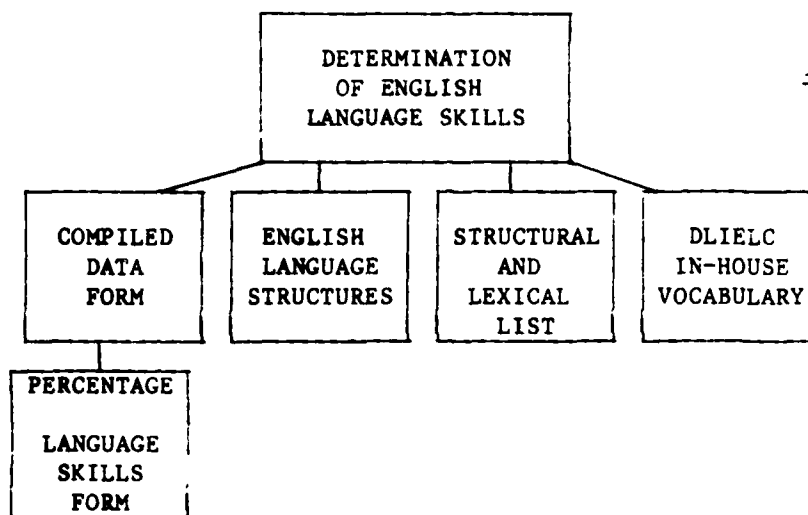


FIGURE 3

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

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

*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 63%
Speaking 43%
Reading 36%
Writing 37%

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.

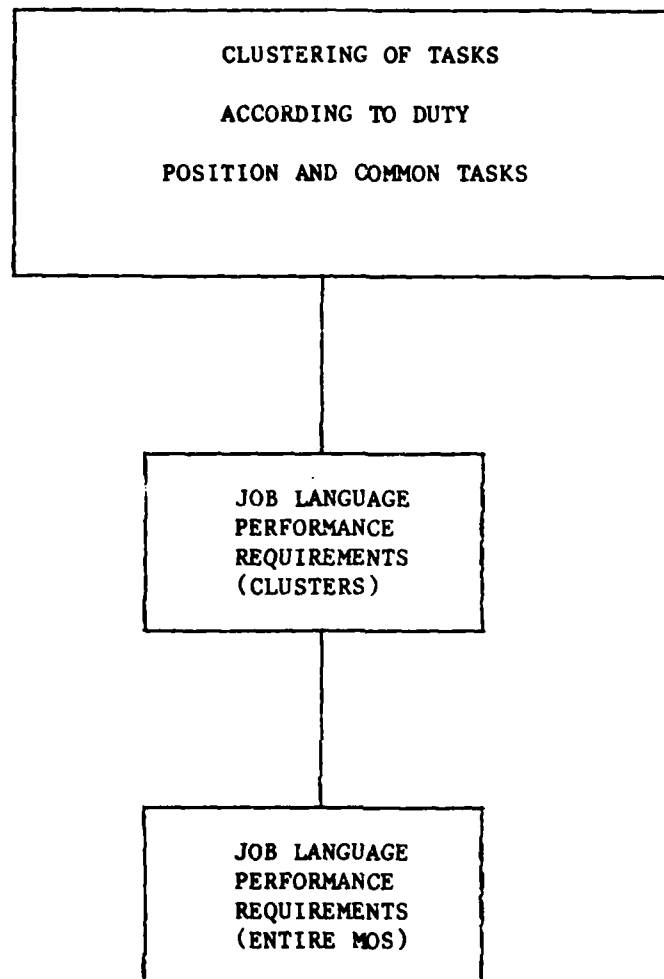


FIGURE 4

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. SECURITY AND INTELLIGENCE
6. COMMUNICATIONS
7. LAND NAVIGATION
8. M16A1 RIFLE
9. GRENADES
10. LEADERSHIP
11. TRAINING
12. LOGISTICAL MANAGEMENT
13. SUPPLY
14. MAINTENANCE
15. SHOP (BENCH) OPERATIONS
16. OXYACETYLENE WELDING/CUTTING
17. ELECTRIC ARC WELDING
18. METAL INERT GAS (MIG) WELDING
19. TUNGSTEN INERT GAS (TIG) WELDING
20. FUEL TANK REPAIR
21. GLASSWORKING
22. RADIATOR AND OIL COOLER REPAIRS
23. METAL BODY REPAIR
24. PAINTING
25. SOLDERING AND BRAZING

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 soldier's 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 soldier's 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, field 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	62%
Speaking	40%
Reading	36%
Writing	34%

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:	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 captioned illustrations, procedures, tables and explanations
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

081-831-1004	Perform Mouth-to-Mouth Resuscitation and External Cardiac Massage
081-831-1005	Stop Bleeding
081-831-1006	Identify Signs and Treat for Shock
081-831-1007	Splint a Fracture
081-831-1008	Administer Emergency Medical Care for Burns
081-831-1010	Apply First Aid for Sun or Heat Injuries
081-831-1011	Apply First Aid for Wet or Cold Injuries

NUCLEAR, BIOLOGICAL AND CHEMICAL OPERATIONS

I. PERCENTAGE LANGUAGE SKILLS

Listening	48%
Speaking	32%
Reading	25%
Writing	24%

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 to learn
CONDITIONS: Given printed MOS training materials in the form of procedures, captioned illustrations and notations defined as explanations
STANDARDS: 100% understanding of printed content

TASK: Read for information
CONDITIONS: Given printed MOS training materials in the form of procedures, captioned illustrations and notations defined as explanations
STANDARDS: 100% understanding of printed material

III. TASK NUMBERS AND TITLES

031-503-1001 Perform Operator's Maintenance on an M17 Series Protective Mask

031-503-1002 Put on and Wear a Protective Mask

031-503-1003 Store Protective Mask with Hood in Carrier

031-503-1004 Recognize and Protect Self Against a CB Hazard

031-503-1005 Recognize and Protect Self Against a Nuclear Hazard

031-503-1006 Give Visual, Vocal, and/or Sound Alarms for Chemical or Biological Attack

031-503-1007 Decontaminate Self

031-503-1008 Decontaminate Individual Equipment

031-503-1009 Satisfy Personal Needs in a Chemical Environment

031-503-1010 Exchange Filters on an M17 Series Protective Mask

031-503-1014 Identify a Chemical Agent Using ABC-MS Detector Paper

031-503-1015 Put On and Wear Protective Clothing

081-831-1009 Apply Artificial Respiration to a Chemical Agent Casualty

081-831-1012 Administer Antidote to a Nerve-Agent Casualty

031-503-2001 Read and Report Radiation Dosages

031-503-2002 Decontaminate Equipment Using ABC-M11 Decontamination Apparatus

031-503-2003 Place the Automatic Chemical Agent Alarm System into Operation

031-503-2004 Service the Automatic Chemical Agent Alarm System

031-503-2005 Perform Less Than 72 Hour Chemical Agent Shutdown Operations

031-503-2006 Perform More Than 72 Hour Chemical Agent Shutdown Operations

031-503-2007 Ignite Smoke Pots

INDIVIDUAL FITNESS

I. PERCENTAGE LANGUAGE SKILLS

Listening	42%
Speaking	40%
Reading	28%
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: 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 for information
CONDITIONS: Given printed MOS training materials in the form of procedures and explanations
STANDARDS: 100% understanding of printed content

III. TASK NUMBERS AND TITLES

071-327-0201 Maintain an Appropriate Level of Physical Fitness (Male Only)
071-321-0210 Maintain an Appropriate Level of Physical Fitness (Female Only)

CAMOUFLAGE

I. PERCENTAGE LANGUAGE SKILLS

Listening	80%
Speaking	53%
Reading	35%
Writing	44%

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:	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, captioned illustrations, explanations and procedures
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

051-191-1361	Camouflage/Conceal Self and Individual Equipment
051-191-1362	Camouflage/Conceal Equipment
051-191-1363	Camouflage/Conceal Defensive Positions
071-331-0852	Clear Fields of Fire

SECURITY AND INTELLIGENCE

I. PERCENTAGE LANGUAGE SKILLS

Listening	66%
Speaking	50%
Reading	30%
Writing	40%

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:	Listen to orally interact
CONDITIONS:	Given oral challenges, passwords and scenarios 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:	Produce spontaneous oral utterances to interact
CONDITIONS:	Given the requirement to orally respond to challenges, passwords and security situations 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 procedures and warnings
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

071-331-0801	Use Challenge and Password
121-030-1503	Safeguard Classified Information
071-331-0850	Guard Duty
071-331-0851	Enforce Noise, Light, and Litter Discipline

COMMUNICATIONS

I. PERCENTAGE LANGUAGE SKILLS

Listening	56%
Speaking	47%
Reading	33%
Writing	34%

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 utterances
TASK:	Listen to perform
CONDITIONS:	Given a brief oral message including prowords in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understanding of oral content
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 over radiotelephone
CONDITIONS:	Given the requirement to orally communicate using the phonetic alphabet 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, captioned illustrations and sample messages using prowords
STANDARDS:	100% understanding of printed content
TASK:	Write to record and report
CONDITIONS:	Given a requirement to complete communication forms and logs
STANDARDS:	100% understandable and legible written content

III. TASK NUMBERS AND TITLES

- 113-571-1001 Transmit or Receive a Radio Message
- 113-571-1002 Use Correct Radiotelephone Procedures
- 113-571-2001 Authenticate Transmissions and Encrypt/Decrypt Numbers
and Grid Zone Letters Using KAL 61 With KTC 1400
Numeral Code
- 113-571-2002 Encode and Decode Messages Using a Tactical Operations
Code KTC 600

LAND NAVIGATION

I. PERCENTAGE LANGUAGE SKILLS

Listening	70%
Speaking	40%
Reading	36%
Writing	42%

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:	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 for information
CONDITIONS:	Given printed MOS training materials in the form of marked maps, definitions, captioned illustrations, instructions and procedures
STANDARDS:	100% understanding of printed content
TASK:	Write to record
CONDITIONS:	Given a requirement to record the grid reference
STANDARDS:	100% legible written content

III. TASK NUMBERS AND TITLES

071-329-1001	Identify Terrain Features on the Map
071-329-1010	Determine an Azimuth
071-329-1002	Locate a Point on a Map
071-329-1011	Navigate Using a Compass
071-329-1006	Navigate Using a Map
071-329-1008	Measure Ground Distance
071-329-1005	Determine a Location on the Ground
071-329-1004	Determine the Elevation of a Point on the Ground Using a Map
071-329-1007	Determine Distance While Moving Between Two Points on the Ground
071-329-1012	Orient a Map to the Ground by Map-Terrain Association

M16A1 RIFLE

I. PERCENTAGE LANGUAGE SKILLS

Listening	62%
Speaking	47%
Reading	29%
Writing	35%

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
STANDARDS:	100% understandable oral responses
TASK:	Produce oral utterances to inform and respond
CONDITIONS:	Given a requirement to make 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 procedures, captioned illustrations, 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 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

- 071-311-2001 Perform Operator Maintenance on M16A1 Rifle, Magazines, and Ammunition
- 071-311-2002 Load and Unload an M16A1 Rifle Magazine
- 071-311-2003 Load, Reduce a Stoppage, Unload, and Clear an M16A1 Rifle
- 071-311-2004 Zero an M16A1 Rifle
- 071-311-2005 Engage Targets With an M16A1 Rifle
- 071-311-2006 Prepare and Use Aiming and Firing Stakes for the M16A1 Rifle

GRENADES

I. PERCENTAGE LANGUAGE SKILLS

Listening	93%
Speaking	67%
Reading	11%
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:	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:	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 warnings, procedures, definitions, captioned illustrations 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

071-325-4402 Engage Enemy Targets With Handgrenades

LEADERSHIP

I. PERCENTAGE LANGUAGE SKILLS

Listening	58%
Speaking	40%
Reading	24%
Writing	27%

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:	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 JCS training materials in the form of captioned illustrations, wall maps, 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

071-328-5301	Inspect Personnel/Equipment
071-328-5302	Supervise Maintenance on Individual and TOE Equipment
071-328-5304	Enforce Preventive Medicine Program
091-468-2001	Supervise Personnel Operating Drill Processes
091-468-2002	Supervise Personnel Operating Machine Tools and Equipment

TRAINING

I. PERCENTAGE LANGUAGE SKILLS

Listening	85%
Speaking	63%
Reading	42%
Writing	50%

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:	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 spontaneous oral utterances to interact
CONDITIONS:	Given the requirement to orally respond to challenges, problems, and security situations 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 procedures, descriptions, tables and SOPs
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

874-896-2001 Conduct a Performance-Oriented Training Session

LOGISTICAL MANAGEMENT

I. PERCENTAGE LANGUAGE SKILLS

Listening	43%
Speaking	30%
Reading	38%
Writing	39%

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:	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, descriptions, tables and SOPs
STANDARDS:	100% understanding of printed content
TASK:	Write to record and report
CONDITIONS:	Given a requirement to complete communication forms and logs
STANDARDS:	100% understandable and legible written content

III. TASK NUMBERS AND TITLES

101-530-1001	Use Department of the Army (DA) Pamphlet 310-4
101-530-1002	Prepare TAMMS Forms Used by Vehicle Operator
101-530-2001	Use Department of the Army (DA) Pamphlet 310-7
101-530-2002	Identify Types of Modification Work Orders (MWO)

SUPPLY

I. PERCENTAGE LANGUAGE SKILLS

Listening	38%
Speaking	25%
Reading	40%
Writing	40%

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:	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, descriptions, tables and SOPs
STANDARDS:	100% understanding of printed content
TASK:	Write to record and report
CONDITIONS:	Given a requirement to complete communication forms and logs
STANDARDS:	100% understandable and legible written content

III. TASK NUMBERS AND TITLES

101-530-1003	Locate and Record National Stock Number(s) (NSN) for Repair Parts
101-530-2003	Complete Entries on Document Register for Supply Actions (DA Form 2064) and on Record of Demands-- Title Insert (DA Form 3318)

MAINTENANCE

I. PERCENTAGE LANGUAGE SKILLS

Listening	52%
Speaking	40%
Reading	50%
Writing	43%

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:	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 TPS training materials in the form of procedures, descriptions, tables and SOPs
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

091-501-1020	Maintain Assigned Tool Kit/Set
091-501-1021	Maintain Individual Clothing and Equipment

SHOP (BENCH) OPERATIONS

I. PERCENTAGE LANGUAGE SKILLS

Listening	50%
Speaking	32%
Reading	31%
Writing	27%

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:	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 M&S training materials in the form of procedures, descriptions, tables and SOPs
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

091-468-1001	Prepare Shop Drawings/Sketches
091-468-1002	Perform Layout of Workpiece
091-468-1003	Identify Ferrous and Non-Ferrous Metals
091-468-1004	Sharpen Drill Bits
091-468-1005	Drill with Drill Presses
091-468-1006	Cut and Square Metal Bar Stock
091-468-1007	Perform Hand Drilling Operations
091-468-1008	Perform Hand Tapping Operations
091-468-1009	Perform Hand Die Threading Operations
091-468-1010	Perform Hand Grinding Operations
091-468-1011	Perform Metal Shearing Operations
091-468-1012	Perform Reaming Operations
091-468-1013	Rivet Metal Work
091-468-2020	Manufacture Special Metalworking Tools
091-468-2021	Maintain Bench Stock Supplies

OXYACETYLENE WELDING/CUTTING

I. PERCENTAGE LANGUAGE SKILLS

Listening	54%
Speaking	33%
Reading	35%
Writing	34%

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:	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 OES training materials in the form of captioned illustrations, cuttings, procedures and references
STANDARDS:	100% understanding of printed content
TASK:	Write to inform
CONDITIONS:	Given any subject 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

091-468-1030	Set Up Oxyacetylene Welding Equipment
091-468-1031	Weld Ferrous Metal in the Flat Position
091-468-1032	Weld Ferrous Metal in the Horizontal Position
091-468-1033	Weld Ferrous Metal in the Vertical Position
091-468-1034	Forehand Weld Ferrous Metal in the Overhead Position
091-468-1035	Weld Pipe with Oxyacetylene Equipment
091-468-1036	Perform Multilayer Welding
091-468-1037	Weld Non-Ferrous Metal in the Flat Position
091-468-1038	Weld Non-Ferrous Metal in the Horizontal Position
091-468-1039	Weld Non-Ferrous Metal in the Vertical Position
091-468-1040	Braze Dissimilar Metals in the Flat and Horizontal Position

091-468-1041 Cut Steel with Oxyacetylene Torch
091-468-1042 Cut Rivets with Oxyacetylene Torch
091-468-1043 Perform Annealing Operation with Oxyacetylene Equipment
091-468-1044 Perform Flame Hardening and Tempering Operation
091-468-2040 Perform Case Hardening on Low Carbon Steel
091-468-2041 Repair/Replace Components of Oxyacetylene Welding and
Cutting Equipment

ELECTRIC ARC WELDING

I. PERCENTAGE LANGUAGE SKILLS

Listening	65%
Speaking	41%
Reading	44%
Writing	41%

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:	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 text in the form of captions and illustrations, procedures and references
STANDARDS:	100% understanding of printed content
TASK:	Write to inform
CONDITIONS:	Given an assignment 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

091-468-1060	Set Up Arc Welding Equipment
091-468-1061	Perform Surface Buildup
091-468-1062	Weld Ferrous Metals in the Flat Position
091-468-1063	Weld Ferrous Metals in the Horizontal Position
091-468-1064	Weld Ferrous Metals in the Vertical Position
091-468-1065	Weld Ferrous Metals in the Overhead Position
091-468-1066	Weld Non-Ferrous Metals in the Flat Position
091-468-1067	Weld Non-Ferrous Metals in the Horizontal Position
091-468-1068	Arc Weld on Face Welded Armor Plate

METAL INERT GAS (MIG) WELDING

I. PERCENTAGE LANGUAGE SKILLS

Listening	61%
Speaking	40%
Reading	44%
Writing	40%

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:	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, descriptions, tables and S.O.s
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

091-468-1080	Set Up Arc and MIG Welding Equipment
091-468-1081	MIG Weld Aluminum in the Flat Position
091-468-1082	MIG Weld Aluminum in the Horizontal Position
091-468-1083	MIG Weld Aluminum in the Vertical Position
091-468-1084	MIG Weld Aluminum in the Overhead Position
091-468-1085	MIG Weld on Magnesium

TUNGSTEN INERT GAS (TIG) WELDING

I. PERCENTAGE LANGUAGE SKILLS

Listening	63%
Speaking	40%
Reading	38%
Writing	37%

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:	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 TOS training materials in the form of captioned illustrations, wordings, 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

091-468-1100	Set Up TIG Welding Equipment
091-468-1101	Perform Flat Position Welding with TIG Welding Equipment
091-468-1102	Perform Horizontal Position Welding with TIG Welding Equipment
091-468-1103	Perform Vertical Position Welding with TIG Welding Equipment
091-468-1104	Perform Overhead Position Welding with TIG Welding Equipment
091-468-1105	TIG Weld on Aluminum
091-468-1106	TIG Weld on Sheet Metal
091-468-1107	TIG Weld on Magnesium
091-468-2060	TIG Weld on Titanium

FUEL TANK REPAIR

I. PERCENTAGE LANGUAGE SKILLS

Listening	72%
Speaking	46%
Reading	40%
Writing	39%

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:	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 JCS training materials in the form of procedures, descriptions, tables and GDS's
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

091-468-1120	Remove and Install Fuel Tanks
091-468-1121	Clean Fuel Tanks
091-468-1122	Test Fuel Tanks
091-468-1123	Repair Terneplate Fuel Tanks
091-468-1124	Repair Fiberglass Fuel Tanks
091-468-1125	Repair Aluminum Fuel Cells

GLASSWORKING

I. PERCENTAGE LANGUAGE SKILLS

Listening	69%
Speaking	47%
Reading	42%
Writing	42%

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:	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 MPS training materials in the form of procedures, descriptions, tables and SOPs
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

091-468-1140	Remove and Install Glass Frames and Weatherstripping
091-468-1141	Perform Glass Cutting Operation
091-468-1142	Remove and Install Door Glass

RADIATOR AND OIL COOLER REPAIRS

I. PERCENTAGE LANGUAGE SKILLS

Listening	57%
Speaking	31%
Reading	29%
Writing	32%

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:	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 training materials in the form of procedures, descriptions, tables and SOPs
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

091-468-1160	Clean Radiator
091-468-1161	Test Radiator
091-468-1162	Repair Copper/Brass Radiator
091-468-1163	Repair Aluminum Radiator
091-468-1164	Repair Cast Iron Radiator
091-468-1165	Clean and Test Oil Cooler
091-468-1166	Repair Oil Cooler

METAL BODY REPAIR

I. PERCENTAGE LANGUAGE SKILLS

Listening	65%
Speaking	38%
Reading	44%
Writing	40%

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:	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, descriptions, tables and SOPs
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

091-468-1180	Remove Vehicle Body Components
091-468-1181	Install Vehicle Body Components
091-468-1182	Perform Frame Repair Operations
091-468-1183	Repair Flotation Barriers
091-468-1184	Perform Roughing and Alining Operations
091-468-1185	Perform Shrinking Operations
091-468-1186	Perform Finishing Operations
091-468-1187	Prepare and Apply Body Fillers

PAINTING

I. PERCENTAGE LANGUAGE SKILLS

Listening	80%
Speaking	50%
Reading	56%
Writing	50%

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:	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 US training materials in the form of procedures, descriptions, tables and SOPs
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

091-468-1200	Mix Paints
091-468-1201	Prepare Surface for Painting
091-468-1202	Set Up Spray Painting Equipment

SOLDERING AND BRAZING

I. PERCENTAGE LANGUAGE SKILLS

Listening	84%
Speaking	59%
Reading	44%
Writing	47%

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 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 to learn
CONDITIONS:	Given printed US training materials in the form of procedures, descriptions, tables and charts
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

091-468-1210	Perform Silver Soldering
091-468-1211	Solder with Electric Iron
091-468-1212	Solder Ferrous Metals
091-468-1213	Solder Non-Ferrous Metals

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) _____
 MOS IN WHICH YOU WERE TRAINED: _____
 POSITION: _____
 UNIT: _____

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

YES

NO

IS TASK
 TAUGHT?

LISTENING*
 SPEAKING*
 READING*
 WRITING*

IMPORTANCE
 OF:

LECTURE
 SELF-PACED
 DEMONSTRATION
 HANDS-ON

HOW
 TAUGHT

YES

NO

IS TASK
 TESTED?

WRITTEN
 ORAL

HOW
 TESTED?

PERFORMANCE
 PERSON

PERFORMANCE
 RESULTS IN

PERSON
 EQUIPMENT

PERFORMANCE
 RESULTS IN
 DANGER TO
 EQUIPMENT

5

APPENDIX 2

TASK INVENTORY COMPILED DATA FORM

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

MOS 4413 NUMBER OF RESPONDENTS 6
 DATA OBTAINED FROM Germany Korea TRAINING SPECIALIST

[illegible]

MOS 44B, NUMBER OF RESPONDENTS 1
DATA OBTAINED FROM ABERDEEN TRAINING SPECIALIST

TASK NUMBER	AIT	CRITICALITY	METHODS OF TEACHING	METHODS OF TESTING	RATING OF ELS
		importance	lecture	performance	listening
	tested?	equipment	demonstration	oral	speaking
	difficulty?	danger to person or	hands-on	written	reading
	taught?		self-paced		writing
081-831-1004	0				
081-831-1005	0				
081-831-1006	0				
081-831-1007	0				
081-831-1008	0				
081-831-1010	0				
081-831-1011	0				
031-503-1001	0				
031-503-1002	0				

5/25/10 1410

28/2-

TRAINING SPECIALIST

TASK NUMBER	AIT	CRITICALITY	METHODS OF TEACHING	METHODS OF TESTING	RATING OF ELEMENTS
	difficulty?	danger to person or equipment	self-paced hands-on demonstration lecture	written oral performance	writing reading speaking listening
	tested?	importance			
	taught?				
081-703-1014					
081-703-1015					
081-703-1019					
081-703-1012					
081-703-2001					
081-703-2002					
081-703-2003					
081-703-2004					

287.

TRAINING SPECIALIST

100

Camouflage

TRAINING SPECIALIST

5/21/2014

TRAINING SPECIALIST

LAND NAVIGATION

DATA OBTAINED FROM

TRAINING SPECIALIST

NUMBER OF RESPONDENTS

DATA OBTAINED FROM

TRAINING SPECIALIST

15/11/2016

DATA OBTAINED FROM

TRAINING SPECIALIST

NUMBER OF RESPONDENTS

DATA OBTAINED FROM

TRAINING SPECIALIST

2 W 9 12
3 4 14 12 2

TRAINING SPECIALIST

5/24/82
5/24/82

NUMBER OF RESPONDENTS

DATA OBTAINED FROM

TRAINING SPECIALIST

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

MOS

NUMBER OF RESPONDENTS

DATA OBTAINED FROM

TRAINING SPECIALIST

TASK NUMBER	AIT	CRITICALITY	METHODS OF TEACHING	METHODS OF TESTING	RATING OF ELS
					writing
					reading
					speaking
					listening
					written
					oral
					performance
					self-paced
					hands-on
					demonstration
					lecture
					danger to person or equipment
					importance
					difficulty?
					tested?
					taught?
091-468-1003					
091-468-1004					
"					
091-468-1005					
091-468-1006					
091-468-1007					
091-468-1008					
091-468-1009					
091-468-1010					
091-468-1011					

540P (B-200) 2002/02/05

TRAINING SPECIALIST

החברים: 373
המזכיר: 374

TRAINING SPECIALIST

OKYAC5YLGWE WELD.O.N6/CUTTING

TRAINING SPECIALIST

421 073 24

TRAINING SPECIALIST

9510737 (914)
5000 48321 78422

NUMBER OF RESPONDENTS

DATA OBTAINED FROM

TRAINING SPECIALIST

[illegible]

MOS

NUMBER OF RESPONDENTS

DATA OBTAINED FROM

TRAINING SPECIALIST

[illegible]

$W_{22} = 1.23 \times 10^{-2} \text{ W}$
 $W_{21} = 7.6 \times 10^{-2} \text{ W}$

TUN657EN 1NEN7 6M5 (716) 4N.072M

TRAINING SPECIALIST

FUEL TAXK REPAIR

DATA OBTAINED FROM _____ TRAINING SPECIALIST

129019702 New York
COOPER ASSOCIATES

TRAINING SPECIALIST

May 16 1962

TRAINING SPECIALIST

TRAINING SPECIALIST

091-468-1213

50600905
8-2-72

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
NOS 44B

IN = 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%
FIRST AID	$7 \times 5 \times 7 = 245$ 32 27 29 22 42 <u>152</u> $245 \overline{) 152.000}$.620	$7 \times 2 \times 7 = 98$ 16 23 <u>39</u> $98 \overline{) 39.000}$.398	$7 \times 3 \times 7 = 147$ 12 15 26 <u>53</u> $147 \overline{) 53.000}$.361	$7 \times 4 \times 7 = 196$ 27 12 15 13 <u>67</u> $196 \overline{) 67.000}$.342
	62%	40%	36%	34%
NBC	$21 \times 5 \times 7 = 735$ 74 69 76 52 83 <u>354</u> $735 \overline{) 354.000}$.482	$21 \times 2 \times 7 = 294$ 37 58 <u>95</u> $294 \overline{) 95.000}$.323	$21 \times 3 \times 7 = 441$ 15 24 72 <u>111</u> $441 \overline{) 111.000}$.252	$21 \times 4 \times 7 = 588$ 69 15 24 34 <u>142</u> $588 \overline{) 142.000}$.241
	48%	32%	25%	24%
INDIVIDUAL FITNESS	$2 \times 5 \times 5 = 50$ 4 4 3 4 6 <u>21</u> $50 \overline{) 21.000}$.420	$2 \times 2 \times 5 = 20$ 3 5 <u>8</u> $20 \overline{) 8.000}$.400	$2 \times 3 \times 5 = 30$ 2 1 5 <u>8</u> $30 \overline{) 8.000}$.267	$2 \times 4 \times 5 = 40$ 4 2 1 5 <u>9</u> $40 \overline{) 9.000}$.225
071-327-0201 071-327-0210				
	42%	40%	28%	22%
		1		81

**PERCENTAGE LANGUAGE SKILLS
NOS 440**

FORMULA	LISTENING	SPEAKING	READING	WRITING
$\% = \frac{TR + (T)(V)(R)}{R}$ 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	-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 051-191-1361 THEN 051-191-1363 071-331-0852	$4 \times 5 \times 5 = 100$ 15 18 13 15 19 80 $100 \overline{) 80.000}$	$4 \times 2 \times 5 = 40$ 8 13 21 $40 \overline{) 21.000}$	$4 \times 3 \times 5 = 60$ 7 2 12 21 $60 \overline{) 21.000}$	$4 \times 4 \times 5 = 80$ 18 7 2 8 35 $80 \overline{) 35.000}$
	80%	53%	35%	44%
SECURITY AND INTELLIGENCE 071-331-0801 121-030-1503 071-331-0850 071-331-0851	$4 \times 5 \times 5 = 100$ 11 17 10 11 17 66 $100 \overline{) 66.000}$	$4 \times 2 \times 5 = 40$ 9 11 20 $40 \overline{) 20.000}$	$4 \times 3 \times 5 = 60$ 2 5 13 18 $60 \overline{) 18.000}$	$4 \times 4 \times 5 = 80$ 17 2 5 8 32 $80 \overline{) 22.500}$
	66%	50%	30%	40%
COMMUNICATIONS 113-571-1001 113-571-1002 113-571-2001 113-571-2002	$4 \times 5 \times 4 = 80$ 8 11 9 7 10 45 $80 \overline{) 45.000}$	$4 \times 2 \times 4 = 32$ 6 9 15 $32 \overline{) 15.000}$	$4 \times 3 \times 4 = 48$ 2 4 10 16 $48 \overline{) 16.000}$	$4 \times 4 \times 4 = 64$ 11 2 4 5 22 $64 \overline{) 22.000}$
	56%	47%	33%	34%
				82

PERCENTAGE LANGUAGE SKILLS
MOS 44B

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

FOR	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%
LAND NAVIGATION	$10 \times 5 \times 6 = 300$ $\begin{array}{r} 41 \\ 46 \\ 42 \\ 42 \\ 39 \\ \hline 210 \end{array}$ $300 \overline{) 210.000} \quad .700$	$10 \times 2 \times 6 = 120$ $\begin{array}{r} 21 \\ 27 \\ \hline 48 \end{array}$ $120 \overline{) 48.000} \quad .400$	$10 \times 3 \times 6 = 180$ $\begin{array}{r} 7 \\ 18 \\ \hline 40 \\ 65 \end{array}$ $180 \overline{) 65.000} \quad .361$	$10 \times 4 \times 6 = 240$ $\begin{array}{r} 46 \\ 7 \\ 18 \\ 30 \\ \hline 101 \end{array}$ $240 \overline{) 101.000} \quad .421$
	70%	40%	36%	42%
M16A1 RIFLE	$6 \times 5 \times 6 = 180$ $\begin{array}{r} 21 \\ 25 \\ 18 \\ 21 \\ 27 \\ \hline 112 \end{array}$ $180 \overline{) 112.000} \quad .622$	$6 \times 2 \times 6 = 72$ $\begin{array}{r} 16 \\ 18 \\ \hline 34 \end{array}$ $72 \overline{) 34.000} \quad .472$	$6 \times 3 \times 6 = 108$ $\begin{array}{r} 10 \\ 2 \\ 19 \\ \hline 31 \end{array}$ $108 \overline{) 31.000} \quad .287$	$6 \times 4 \times 6 = 144$ $\begin{array}{r} 25 \\ 10 \\ 2 \\ 14 \\ \hline 51 \end{array}$ $144 \overline{) 51.000} \quad .354$
071-311-2001 THRU 071-311-2006				
	62%	47%	29%	35%
GRENADES	$1 \times 5 \times 3 = 15$ $\begin{array}{r} 3 \\ 3 \\ 3 \\ 2 \\ 3 \\ \hline 14 \end{array}$ $15 \overline{) 14.000} \quad .933$	$1 \times 2 \times 3 = 6$ $\begin{array}{r} 1 \\ 3 \\ \hline 4 \end{array}$ $6 \overline{) 4.000} \quad .667$	$1 \times 3 \times 3 = 9$ $\begin{array}{r} 0 \\ 0 \\ 1 \\ \hline 1 \end{array}$ $9 \overline{) 1.000} \quad .111$	$1 \times 4 \times 3 = 12$ $\begin{array}{r} 3 \\ 6 \\ 6 \\ 1 \\ \hline 4 \end{array}$ $12 \overline{) 4.000} \quad .333$
071-325-4402				
	93%	67%	11%	33%
				47

PERCENTAGE LANGUAGE SKILLS
MOS 44B

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

FOR A	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%
LEADERSHIP 071-328-5301 071-328-5302 071-328-5304 091-468-2001 091-468-2002	5X5X5=125 15 16 14 11 16 <u>72</u> 125 $\overline{)72.000}$ $\begin{smallmatrix} .576 \end{smallmatrix}$	5X2X5=50 8 12 <u>20</u> 50 $\overline{)20.000}$ $\begin{smallmatrix} .400 \end{smallmatrix}$	5X3X5=75 1 1 16 <u>18</u> 75 $\overline{)18.000}$ $\begin{smallmatrix} .240 \end{smallmatrix}$	5X4X5=100 16 1 1 9 <u>27</u> 100 $\overline{)27.000}$ $\begin{smallmatrix} .270 \end{smallmatrix}$
	58%	40%	24%	27%
TRAINING 874-896-2001	1X5X4=20 3 4 4 3 3 <u>17</u> 20 $\overline{)17.000}$ $\begin{smallmatrix} .850 \end{smallmatrix}$	1X2X4=8 3 2 <u>5</u> 8 $\overline{)5.000}$ $\begin{smallmatrix} .625 \end{smallmatrix}$	1X3X4=12 0 2 3 <u>5</u> 12 $\overline{)5.000}$ $\begin{smallmatrix} .417 \end{smallmatrix}$	1X4X4=16 4 0 2 2 <u>8</u> 16 $\overline{)8.000}$ $\begin{smallmatrix} .500 \end{smallmatrix}$
	85%	63%	42%	50%
LOGISTICAL MANAGEMENT 101-530-1001 101-530-1002 101-530-2001 101-530-2002	4X5X5=100 7 9 9 8 10 <u>43</u> 100 $\overline{)43.000}$ $\begin{smallmatrix} .430 \end{smallmatrix}$	4X2X5=40 6 6 <u>12</u> 40 $\overline{)12.000}$ $\begin{smallmatrix} .300 \end{smallmatrix}$	4X3X5=60 6 4 13 <u>23</u> 60 $\overline{)23.000}$ $\begin{smallmatrix} .383 \end{smallmatrix}$	4X4X5=80 9 6 4 12 <u>31</u> 80 $\overline{)31.000}$ $\begin{smallmatrix} .388 \end{smallmatrix}$
	43%	30%	38%	39%
				84

PERCENTAGE LANGUAGE SKILLS
NOS 44B

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%

SUPPLY

$$2 \times 5 \times 5 = 50$$

$$2 \times 2 \times 5 = 20$$

$$2 \times 3 \times 5 = 30$$

$$2 \times 4 \times 5 = 40$$

101-530-1003

101-530-2003

$$\begin{array}{r} 4 \\ 4 \\ 4 \\ 4 \\ 3 \\ \hline 19 \end{array} \quad \begin{array}{r} .380 \\ 50 \overline{)19.000} \end{array}$$

$$\begin{array}{r} 2 \\ 3 \\ 5 \\ \hline \end{array} \quad \begin{array}{r} .250 \\ 20 \overline{)5.000} \end{array}$$

$$\begin{array}{r} 3 \\ 3 \\ 6 \\ \hline 12 \end{array} \quad \begin{array}{r} .400 \\ 30 \overline{)12.000} \end{array}$$

$$\begin{array}{r} 4 \\ 3 \\ 3 \\ 6 \\ \hline 16 \end{array} \quad \begin{array}{r} .400 \\ 40 \overline{)16.000} \end{array}$$

38%

25%

40%

40%

MAINTENANCE

$$2 \times 5 \times 5 = 50$$

$$2 \times 2 \times 5 = 20$$

$$2 \times 3 \times 5 = 30$$

$$2 \times 4 \times 5 = 40$$

091-501-1020

091-501-1021

$$\begin{array}{r} 6 \\ 4 \\ 6 \\ 3 \\ 7 \\ \hline 26 \end{array} \quad \begin{array}{r} .520 \\ 50 \overline{)26.000} \end{array}$$

$$\begin{array}{r} 3 \\ 5 \\ 8 \\ \hline \end{array} \quad \begin{array}{r} .400 \\ 20 \overline{)8.000} \end{array}$$

$$\begin{array}{r} 5 \\ 5 \\ 7 \\ 5 \\ \hline \end{array} \quad \begin{array}{r} .500 \\ 30 \overline{)15.000} \end{array}$$

$$\begin{array}{r} 4 \\ 5 \\ 1 \\ 7 \\ \hline 17 \end{array} \quad \begin{array}{r} .425 \\ 40 \overline{)17.000} \end{array}$$

52%

40%

50%

43%

SHOP (BENCH)
OPERATIONS

$$15 \times 5 \times 6 = 450$$

$$15 \times 2 \times 6 = 180$$

$$15 \times 3 \times 6 = 270$$

$$15 \times 4 \times 6 = 360$$

091-468-1001

THRU

091-468-1013

091-468-2020

091-468-2021

$$\begin{array}{r} 47 \\ 29 \\ 58 \\ 51 \\ 41 \\ \hline 226 \end{array} \quad \begin{array}{r} .502 \\ 450 \overline{)226.000} \end{array}$$

$$\begin{array}{r} 29 \\ 29 \\ 58 \\ \hline \end{array} \quad \begin{array}{r} .322 \\ 180 \overline{)58.000} \end{array}$$

$$\begin{array}{r} 20 \\ 10 \\ 53 \\ 83 \\ \hline \end{array} \quad \begin{array}{r} .307 \\ 270 \overline{)83.000} \end{array}$$

$$\begin{array}{r} 29 \\ 20 \\ 10 \\ 39 \\ 98 \\ \hline \end{array} \quad \begin{array}{r} .272 \\ 360 \overline{)98.000} \end{array}$$

50%

32%

31%

27%

85

T = number of tasks in cluster
V = variables
R = maximum number of respondents in any task in that cluster

PERCENTAGE LANGUAGE SKILLS
NOS 44B

FORMULA

LISTENING

SPEAKING

READING

WRITING

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

-demonstration

-oral (test)

-self-paced

-lecture

-lecture

-rating (scale)

-written (test)

-self-paced

-hands-on

-rating (scale)

-written (test)

-performance
(test)

-rating (scale)

-rating
(scale)

Cluster

5 = 100%

2 = 100%

3 = 100%

4 = 100%

OXYACETYLENE

$$17 \times 5 \times 7 = 595$$

$$17 \times 2 \times 7 = 238$$

$$17 \times 3 \times 7 = 357$$

$$17 \times 4 \times 7 = 476$$

63

33

45

56

56

46

15

45

74

79

65

15

091-468-1030
THRU

61

125

44

091-468-1044

67

$$238 \overline{) 332} \quad .332$$

$$357 \overline{) 350} \quad .350$$

$$476 \overline{) 336} \quad .336$$

091-468-2040

321

091-468-2041

$$595 \overline{) 321.000} \quad .539$$

$$238 \overline{) 79.000} \quad .332$$

$$357 \overline{) 125.000} \quad .350$$

$$476 \overline{) 160.000} \quad .336$$

54%

33%

35%

34%

ELECTRIC ARC
WELDING

$$9 \times 5 \times 6 = 270$$

$$9 \times 2 \times 6 = 108$$

$$9 \times 3 \times 6 = 162$$

$$9 \times 4 \times 6 = 216$$

39

19

22

27

27

25

10

22

40

44

39

10

091-468-1060
THRU

37

71

30

091-468-1068

32

$$108 \overline{) 44.000} \quad .407$$

$$162 \overline{) 71.000} \quad .438$$

$$216 \overline{) 87.000} \quad .402$$

175

$$270 \overline{) 175.000} \quad .648$$

65%

41%

44%

41%

METAL INERT
GAS (MIG) WELD-
ING

$$6 \times 5 \times 6 = 180$$

$$6 \times 2 \times 6 = 72$$

$$6 \times 3 \times 6 = 108$$

$$6 \times 4 \times 6 = 144$$

22

11

15

17

17

15

7

15

25

29

25

7

21

47

18

57

091-468-1080
THRU

25

$$72 \overline{) 29.000} \quad .403$$

$$108 \overline{) 47.000} \quad .435$$

$$144 \overline{) 396} \quad .396$$

091-468-1085

110

$$180 \overline{) 110.000} \quad .611$$

61%

40%

44%

40%

26

PERCENTAGE LANGUAGE SKILLS
NOS 443

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
$\frac{TR + (T)(V)(R)}{TR} = \%$	-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%
TUNGSTEN INERT GAS (TIG) WELD- ING 091-468-1100 THRU 091-468-1107 091-468-2060	$9 \times 5 \times 4 = 180$ 24 21 22 23 23 <u>113</u> $180 \overline{) 113.000} \quad .628$	$9 \times 2 \times 4 = 72$ 14 15 <u>29</u> $72 \overline{) 29.000} \quad .403$	$9 \times 3 \times 4 = 108$ 8 9 24 <u>41</u> $108 \overline{) 41.000} \quad .380$	$9 \times 4 \times 4 = 144$ 21 8 9 <u>15</u> <u>53</u> $144 \overline{) 53.000} \quad .368$
	63%	40%	38%	
FUEL TANK REPAIR 091-468-1120 THRU 091-468-1125	$6 \times 5 \times 4 = 120$ 17 15 19 18 17 <u>86</u> $120 \overline{) 86.000} \quad .717$	$6 \times 2 \times 4 = 48$ 9 13 <u>22</u> $48 \overline{) 22.000} \quad .458$	$6 \times 3 \times 4 = 72$ 4 5 10 <u>19</u> $72 \overline{) 19.000} \quad .264$	$6 \times 4 \times 4 = 96$ 15 4 5 <u>12</u> <u>37</u> $96 \overline{) 37.000} \quad .385$
	72%	46%	40%	
GLASSWORKING 091-468-1140 THRU 091-468-1142	$3 \times 5 \times 5 = 75$ 11 9 12 11 9 <u>52</u> $75 \overline{) 52.000} \quad .693$	$3 \times 2 \times 5 = 30$ 6 8 <u>14</u> $30 \overline{) 14.000} \quad .467$	$3 \times 3 \times 5 = 45$ 6 2 11 <u>19</u> $45 \overline{) 19.000} \quad .422$	$3 \times 4 \times 5 = 60$ 9 6 2 <u>8</u> <u>27</u> $60 \overline{) 27.000} \quad .450$
	69%	47%	42%	
				87

PERCENTAGE LANGUAGE SKILLS

MOS 440

FORM 1A

LISTENING

SPEAKING

READING

WRITING

IR + (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%

RADIATOR AND
OIL COOLER RE-
PAIR

7X5X6 = 210

7X2X6 = 84

7X3X6 = 126

7X4X6 = 168

25
22
26
24
22
119

11
15
26

12
4
20
36

22
12
4
15
53

091-468-1160
THRU
091-468-1166

210 $\overline{) 119.000}$.567

84 $\overline{) 26.000}$.310

126 $\overline{) 36.000}$.286

168 $\overline{) 53.000}$.315

57%

31%

29%

32%

METAL BODY
REPAIR

8X5X6 = 240

8X2X6 = 96

8X3X6 = 144

8X4X6 = 192

29
24
37
29
36
155

14
22
36

23
8
33
64

24
23
8
22
77

091-468-1180
THRU
091-468-1187

240 $\overline{) 155.000}$.646

96 $\overline{) 36.000}$.375

144 $\overline{) 64.000}$.444

192 $\overline{) 77.000}$.401

65%

38%

44%

40%

PAINTING

3X5X5 = 75

3X2X5 = 30

3X3X5 = 45

3X4X5 = 60

12
10
14
12
12
60

6
9
15

8
3
14
25

10
8
3
9
30

091-468-1200
THRU
091-468-1202

75 $\overline{) 60.000}$.800

30 $\overline{) 15.000}$.500

45 $\overline{) 25.000}$.556

60 $\overline{) 30.000}$.500

80%

50%

56%

50%

98

IR = 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

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.

PERSON RECORDING _____

LOCATION
UNIT/ALT _____

DT _____ * TASK NUMBER IF KNOWN _____

cal Environment of Instruction

Classroom
Open Areas (live firefield- mark-up terrain)
Large enclosed area (bleacher sites)
(Warehouse size)
Other
ents:

Styles of Communication Instructor, Verbal orders

- 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:

ia of Instruction

Films
Video cassettes
Graphic Training Aids (diagrams, etc....)
Illustrations (requiring reading/not requiring reading)

Maps

Mock-ups

Models/Aimulate

Real equipment

Transparencies

Tape cassettes

Training Publications (required/available)

Signs/Notices

P.A. System

Normal Voice

Soldier's Manual

Chalkboard

Other

ents:

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. Other
- E. Questions

Comments:

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.

AD-A121 125

JOB LANGUAGE PERFORMANCE REQUIREMENTS FOR MOS 44B METAL
WORKER REFERENCE..(U) DEFENSE LANGUAGE INST LACKLAND
AFB TX ENGLISH LANGUAGE CENTER.. 17 APR 79

2/2

UNCLASSIFIED

F/G 5/9

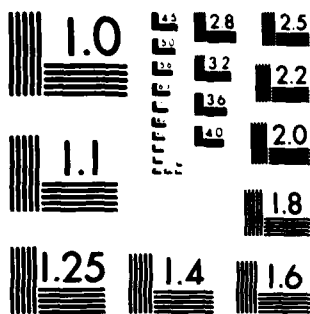
NL

END

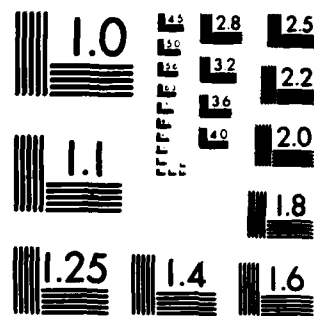
FORMED

C

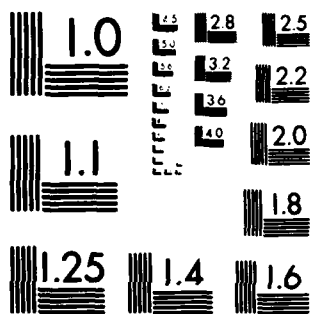
DTIC



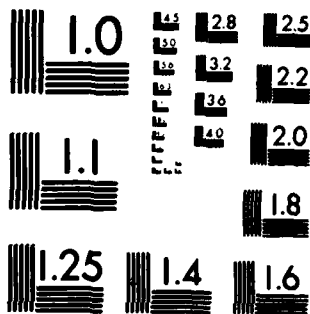
MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A



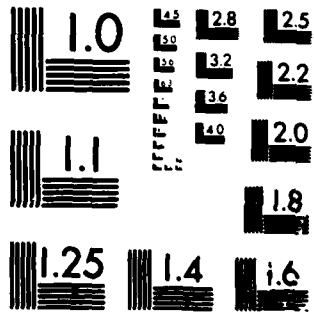
MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A



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



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



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

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.

9/2

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.

98

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 NO

UNITED STATES ARMY TRAINING AND DOCTRINE COMMAND

FORT MONROE, VIRGINIA 23651

WFA

DEC 2 1980

DLI



COPY ____ OF ____ COPIES

44B- 1/2

PREPARED BY: OPERATIONS DIV. DPFO

FORM

ATDP Oct 80 109-1

Feb 80 edition may be used
until exhausted.

103

1105-4025
Skill Level 142

COUNT1 WORD1 COUNT2 WORD2 JRD LISTING/ASCENDING SEQUENCE COUNT3 WORD3

DATE 8C326 2112 PAGE 1
COUNT4 WORD4

2 ACCT	3 ACCEPTABLE	65 ACTIVITY	1 AILE
1 ACCTIVE	1 ACID	1 ACCOMPLISHED	1 ACCLIMATE
1 ADAPT	1 ADDITION	3 ACTION	1 ACTUAL
50 ADJUST	2 ADJUSTMENTS	1 ADJUSTION	3 ADJUSTING
29 AIR	2 ALIGNING	4 AFTER	3 AGAINST
20 ALLIED	1 ALLOW	2 ALIGN	2 ALIGH
1 ALSO	1 ALTERNATING	18 ALL	18 ALL
4 AN	474 AND	11 ALONG	11 ALONG
2 ANY	1 APPEAR	2 ANCHOR	2 ANCHOR
1 APPLICABLE	4 APPLICATION	7 ANGLE	4 ANGLES
13 APPLY	5 APPROXIMATELY	6 APPEARANCE	26 APPENDIX
5 ARE	17 AREA	1 APPLIED	1 APPLIES
2 ARMED	1 ARMORHEAD	40 APPLY	49 ARC
2 ASSAULT	5 ASSEMBLE	8 AREAS	6 ARCON
11 AT	9 ATTACH	1 ASSEMBLED	4 AS
2 AUG	1 AVOID	2 ATTACHMENT	3 ASSEMBLY
3 BACK	3 BACKING	1 AXIS	8 ATTACHMENTS
3 BARRIER	1 BARS	1 BAFFLES	2 BAR
1 BATTERY	1 BARS	1 BASS	2 BASIC
2 BECH	208 BE	4 BEAN	9 BEADS
6 BECH	1 BEGIN	11 BEING	2 BELCH
1 BEVELS	1 BETWEEN	11 BEVEL	3 BEVELED
1 BLACK	2 BEYOND	3 BIT	2 BITS
2 BLOW	1 BLASTS	1 BLENISHES	2 BLACK
14 BLOW	1 BLOTTORCH	2 BLUEPRINT	2 BLUEPRINTS
19 BOTH	3 BOLTS	1 BOUNDED	3 BONDING
1 BRASS	3 BOTTOM	1 BOX	4 BRACKETS
2 BRICKS	5 BRAZE	2 BRAZED	5 BRAZING
1 BRUNZE	2 BRIGHT	1 BOTTLE	3 BROKEN
5 BUILDUP	4 BRUSH	1 BOWLES	2 BUILD
30 BY	1 BURNED	2 BIT	27 BUTT
2 CAN	19 CARBON	1 CABLE	1 CAULES
2 CARBURIZING	2 CASE	3 C-57	3 CARBURIZING
1 CAVITY	6 CENTER	3 CHANNEL	2 CATEGORIES
2 CHARACTERISTICS	3 CHECK	1 CHECKED	91 CHAP
3 CHIP	6 CLAMP	45 CLEAN	3 CHEMICAL
2 CLEANING	1 CLEANLY	1 CLEAR	7 CLEANED
2 CLEARLY	1 CLOCKWISE	1 CLEGGING	1 CLEARANCE
1 CLOTH	2 COAT	1 C-CK	1 CLOSE
2 COMMON	1 COMPASS	14 COMPLETE	1 COLUMN
4 COMPLETELY	7 COMPIMENT	8 COMPONENTS	14 COMPLETED
3 COMPRESSED	13 COMPRESSOR	65 COMPLETIONS	1 COMPOSED
6 CONNECT	1 CONNECTING	3 CONNECTION	1 CONFUSING
			6 CONNECTIONS

104

2 CONTACT	4 COUNTER	1 CONTRAIL
1 CONTINUOUS	1 CONTINUAL	2 CONTRAIL
100 CORRECT	5 CORRECTLY	2 COUNTERSTAK
1 COUNTERLASH	1 COVERAGE	2 CRACK
1 CRACKS	1 CAVOUS	1 CRESE
1 CRITICAL	1 CRYSTALLIZATION	1 CRIP
1 CURE	22 CUT	12 CUTTING
2 CYLINDER	1 DATA	6 DAMAGE
23 DAMAGED	1 D-PIC	2 DEFICIENCIES
3 DEMONSTRATE	9 DEPTH	1 DEFECTS
1 DEPOSIT	2 DETERIORATED	1 DESCRIBE
18 DESIGN	1 DIG	7 DETERMINE
1 DETERMINED	1 DIRECT	4 DIMENSION
1 DIMENSIONALLY	1 DISASSEMBLY	2 DIRECTIONS
18 DIRT	1 DISTINGUISH	2 DISCONNECT
2 DISSIMILAR	4 D-M	1 DIVIDERS
2 DOLL	1 DRAIN	2 DRAIN
1 DRAINED	1 DRESS	1 DRESS
1 DRESSED	1 DULLED	1 DRIVE
1 DRIVER	1 DULL	16 EDGES
7 EACH	5 EDGE	16 ELECTRODES
33 ELECTRIC	10 ELECTRODE	2 ENDS
1 ELONGATED	5 E-D	1 EQUAL
3 ENTIRE	65 E-VIRONMENT	1 EVEN
85 EQUIPMENT	1 EXACT	1 EXAMPLE
1 EVENLY	2 EXCESSIVE	3 EXHAUST
3 EXCEED	1 EXTENDS	2 EXTENSION
1 EXPANSION	1 FABRICATE	1 FABRICATED
2 EXT IT	64 FAILURE	1 FAULTS
5 FACE	2 FRED	16 FENDER
1 FEATURES	65 FIELD	3 FILL
16 FERROUS	3 FILING	9 FILLET
6 FILE	2 FILLERS	2 FIR
2 FILLED	3 FINISHING	5 FIVE
4 FINISH	3 FIT	17 FLAME
2 FINE	1 FLAKING	2 FLEXIBLE
1 FIXED	2 FLATHEAD	3 FLOTATION
4 FLAMES	2 FLUID	4 FLUSH
1 FLOW	2 FLUXES	53 FM
1 FLUSHING	3 FLOODING	1 FOLLOWS
4 FOAM	1 FOREHAND	1 FOREMAN
73 FOR	11 FRAME	10 FREE
9 FORM	1 FORT	19 FUEL
2 FRESHLY	2 FRIAGE	8 FUSED
2 FUMES	2 GAGE	1 GAGES
1 FUSTION	17 GLASS	2 GLASSCUTTING
6 GAS	52 GLOVES	1 GOOD
2 GLASSWORKING	16 GRASS	5 GRILLE
1 GRADED		

5 GRIND
3 GRIND ID
3 GRINDER
1 HARD
1 HARDEN
1 HARDWARE
2 HEAD
1 HEAVY
2 HIDDEN
2 HOLDER
13 HORIZONTAL
1 IDENTIFIED
1 IDENTIFY
289 IN
1 INCLUSIONS
3 INLET
2 INSIDE
1 INSTALLATION
3 INTERPRET
2 IRREGULARITY
1 ITS
1 KTI
2 LAS
1 LAYING
1 LEADER
1 LEAKPROOF
3 LESS
2 LIP
1 LOCKED
2 LUMBER
1 MAGNESIUM
10 MAKE
12 MARK
2 MASKING
2 MASHURE
2 MEDIUM
119 METAL
7 MILL
3 MIX
4 MINE
1 MUFFLE
2 RAM
4 NECK
1 NEN
64 (H-G)
1 NOTE
1 NUMBER
2 OBSERVED

8 GRINDER
0 GUN
2 HAMMER
2 HARDENING
4 HAS
2 HEAD
7 HEAT
3 HEIGHT
2 HIGH
1 HOLE
3 HOSE
7 IDENTIFY
24 INCH
3 INDICATE
3 INLET
6 INSPECT
2 INSTALLED
23 INTO
11 IS
9 JOB
1 KTI
2 KNIFE
6 LAY
7 LAYOUT
1 LEADS
12 LEAKS
1 LEVEL
2 LIPS
1 LONG
7 MACHINE
3 MAINTAIN
1 MAKING
3 MARKED
1 MATCHES
4 MEASUREMENTS
90 MEET
13 METALS
5 MINIMUM
2 MIXED
1 MOUNTED
95 MUST
1 NEAR
1 NEEDING
1 NEXT
12 NO FLUOUS
1 NOTED
1 RUBBERING
3 OBTAIN

3 GRINDING
1 HANDSAW
1 HARDNESS
3 HAVE
3 HEAT
1 WELD
1 HIGHER
9 HILES
2 IF
2 I-GES
1 INDICATING
2 I-P
3 I SECTION
5 I-SURE
6 I-DI
3 ISOLATING
42 J-IT
1 KREP
1 K-RUS
2 LAYER
1 LEAD
2 LEAK
2 LEAVING
2 LIVE
8 LOCATE
2 LOOSE
2 LOGISTIS
1 MAINTAINING
1 MANUAL
2 MARKS
3 MATERIAL
116 MEASURES
1 MELTS
12 BIG
2 PLATES
1 PIFICATION
1 PULPING
1 NEAT
1 NEGATIVE
1 PICCOL
2 P-SAL
1 P-TIS
25 UCT

1 GRIT
2 HANDSAW
50 HANDTOOLS
2 HARDEN
1 HE
1 HEATING
14 HELMET
2 HIGHEST
3 HOOD
1 IDENTIFICATION
15 IGNITE
2 IMMEDIATELY
3 INCLUDED
1 INDOCE
1 INSERT
19 INSTALL
1 IRREGULARITIES
1 ITEM
1 JACKET
3 JOINTS
1 KINDLING
3 LAP
1 LAYERS
1 LEAKFREE
10 LENGTH
18 LINES
3 LOCATED
19 LOW
1 MADE
68 MAINTENANCE
5 MAR
2 MASK
7 MAXIMUM
2 MEDIA
1 MEMBERS
1 MIGHT
1 MISSING
1 MOISTURE
2 MOVEMENT
67 NECESSARY
6 NEUTRAL
18 NT
12 NT
37 QOV
2 OBJECT
131 OF

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3	OFF
2	ONE
9	OPERATIONS
1	UPPERED
3	OTHER
1	OUTLINES
2	OVERHEATING
1	OVERSPRAY
11	VALUES
1	PAGE
1	PANEL
1	PARALLEL
5	PASTE
3	PENCIL
120	PREPARED
2	PIECE
1	PIPES
1	PLACED
74	PLATES
8	PUNIT
1	PORTION
1	POUR
9	PREHEAT
8	PRESSURE
2	PREVIOUSLY
1	PRIMERS
2	PROCESSES
1	PROVIDED
1	QUALIFIED
22	RADIATOR
64	RATING
7	REDUCING
2	REGULATIONS
1	RELEASE
6	REMOVED
4	REPAIRS
9	REPLACEMENT
2	RESIDUE
1	REST MEN
2	REST
1	REUSTAT
1	ROLLED
2	ROUGHING

14 OIL
2 UPLATE
93 DR
1 ORDERS
12 OUT
1 OUTSIDE
1 OVERLAPPED
1 OVERSTRETCH
3 OXIDIZING
12 PAINT
2 PAP
8 PART
4 PATCH
3 PENETRATION
1 PERPENDICULAR
2 PIPLES
1 PITS
1 PLAIN
4 PLUG
1 PUNTS
64 POSITION
1 POWER
21 PREPARE
14 PRESSURES
7 PRIOR
1 PRODUCE
2 QUALIFYING
1 RAISE
1 RATTIN
1 RECORD
1 REFER
1 REPEAT
2 REMAINING
9 REMOVING
1 REPEAT
1 REPRESENTING
1 RESIDUES
1 RESTRAINING
2 RESTYLED
1 RIDGES
1 ROUGH
2 RUINO
1 RUHS
1 SACS
3 SANDING
11 SECTIONS

3 ULD
1 ULY
5 UOPERATION
1 UOAGE
1 UORIGINAL
2 UTEIT
1 UOVERFLOW
3 UOVERLAPPING
1 UOVATION
3 UOACETYLENE
4 UATED
4 UAPER
13 UARTS
24 UATCHING
1 UPERSONEL
3 UPI-HOLES
3 UPLASTIC
1 UPLUGS
3 UPLURALITY
8 UPOSITIONS
1 URACTICE
1 UREPAIRED
2 UREVENT
2 URMIC
2 UATCHURES
1 UPECH
4 UPEIGH
1 UPEAGE
2 UPEACTION
2 UPEACROLED
3 UPEAFERENCE
1 UPEAFIRMEMENT
2 UPEAFIRMAL
9 UPEAFIR
5 UPEAFIRESTED
1 UPEAFEST
4 UPEAFULT
1 UPEAFITH
8 UPEAFID
10 UPEAFIDED
1 UPEAFIDED
7 UPEAFIST
2 UPEAFIT
4 UPEAFORPER
1 UPEAFORSEN
2 UPEAFORSE

110 ON
3 ONTC
1 OPERATIONAL
2 ORDER
54 OS
4 OUTLET
11 OVERHEAD
2 OVERLAY
1 OXIDE
1 PACKING
4 PAINTING
114 PARA
1 PASS
4 PATTERN
180 PERFORMANCE
1 PICKUP
5 PIPE
8 PLACE
16 PLATE
1 PLUGGING
3 POLYURETHANE
1 POSTHEAT
3 PRECAUTIONS
4 PRESS
1 PREVIOUS
1 PRIMER
2 PROCESS
6 PROPER
~~2 PUNCHING~~
2 QUENCHING
2 RATE
3 READY
3 RFD
2 REGULATOR
2 RELATION
47 REMOVE
5 REPAIRED
2 REPLACED
4 REQUIRED
1 RESPIRATOR
3 RETAINING
1 REVERSE
16 RODS
2 ROUGH
2 RUL
~~1 SANDED~~
1 SEALERS
3 SECURED

32 SELECT	2 SELECTION	2 SERIES	1 SEPARATE
1 SEPARATED	47 SEQUENCE	4 SETTING	2 SERVICE
1 SERVICED	83 SET	2 SHARPEN	11 SETTINGS
1 SHAPE	2 SHURCUMINGS	4 SHRINKING	72 SHOP
3 SHORT	4 SINGLE	3 SLAG	23 SHOW
2 SPARK	3 SMALL	19 SOLDER	3 SIDE
8 SILVER	3 SOLUTIONS	4 SPARK	1 SITUATIONS
13 SIZE	2 SPEED	6 SPRAY	7 SLIGHTLY
2 SIFT	1 SPECIMEN	4 START	1 SNAP
1 SOLUTION	2 SPUT	1 STENCIL	8 SOLDERING
1 SPACED	149 STANDARDS	1 STOPPED	1 SPACE
1 SPECIMEN	1 STRAIN	1 STRAP	1 SPECIAL
2 SPUT	66 TASK	1 TEMPER	2 SPOGE
1 SURROUNDING	8 TEE	2 TERMINATING	11 STANDARD
2 TAB	6 TESTS	13 THAN	21 STEEL
1 TAKING	2 THEIR	2 THICKNESS	36 STOCK
66 TASK	12 THIS	1 TIGHT	1 STRAIGHT
8 TEE	1 TIGHTEN	1 TITANIUM	1 STRAIN
2 TERMINATING	1 TIGHTEN	1 TITANIUM	1 STRONG
13 TESTS	1 TIGHTEN	1 TITANIUM	1 SUFFICIENT
2 THEIR	1 TIGHTEN	1 TITANIUM	2 SURFACES
2 THICKNESS	1 TIGHTEN	1 TITANIUM	1 SYSTEM
12 THIS	1 TIGHTEN	1 TITANIUM	2 TAKEN
1 TIGHT	1 TIGHTEN	1 TITANIUM	6 TAPE
7 TIP	1 TIGHTEN	1 TITANIUM	1 TECHNIQUES
6 TIE	1 TIGHTEN	1 TITANIUM	1 TEMPERING
24 TIRCH	1 TIGHTEN	1 TITANIUM	2 TESTING
20 TRADES	1 TIGHTEN	1 TITANIUM	276 THE
4 TRIM	1 TIGHTEN	1 TITANIUM	4 THICK
2 TWO	1 TIGHTEN	1 TITANIUM	1 THINNESS
4 UNDERCUT	1 TIGHTEN	1 TITANIUM	5 THREE
2 UNDERCUT	1 TIGHTEN	1 TITANIUM	38 THRL
1 UPWARD	1 TIGHTEN	1 TITANIUM	2 TIMING
1 USUALLY	1 TIGHTEN	1 TITANIUM	272 TO
36 VEHICLE	1 TIGHTEN	1 TITANIUM	4 TOP
1 VIEWS	1 TIGHTEN	1 TITANIUM	1 TRACES
3 VISIBLE	1 TIGHTEN	1 TITANIUM	1 TRIANGLE
2 WAS	1 TIGHTEN	1 TITANIUM	1 TURNED
1 WAY	1 TIGHTEN	1 TITANIUM	1 UNDERCOATING
14 WELDED	1 TIGHTEN	1 TITANIUM	2 UNDERWATER
	1 TIGHTEN	1 TITANIUM	3 UPPER
	1 TIGHTEN	1 TITANIUM	9 USING
	1 TIGHTEN	1 TITANIUM	3 VISE
	1 TIGHTEN	1 TITANIUM	3 VOLTAGE
	1 TIGHTEN	1 TITANIUM	2 WAX
	1 TIGHTEN	1 TITANIUM	107 WELD
	1 TIGHTEN	1 TITANIUM	36 WILDS

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DATE 80326 2113 PAGE 6
COUNT4 WORK4

MS WORD LISTING/ASCENDING SEQUENCE
COUNT3 WORK3

COUNT1 WORK1

2 WALL
1 WHERE
273 JILL
1 WIPED
1 WITHIN
9 WORKPIECE

3 WERE
3 WHICH
1 WINDINGS
1 WIPING
6 WORK
1 WORKREST

1 MET
2 SIDE
2 WINDSHIELD
10 WIFE
1 WORKSHEET
73 YOU

11 WHEN
3 WIDTH
2 WIPE
78 WITH
19 WORKING
68 YOUR

109

20002 WORDS
COUNTING/DESCENDING PHONIC
CUMULATIVE

CONTRACT NUMBER

474 AND
273 WILL
100 PERMANENCE

0734 121
5341.5434 017

209 IN NI 602
212 TU
179 WELDING

116 ON
116 CURRECY

202 1151
260 1151
149 STANBACH

276 THE
~~October~~
131.04

9 OPERATIONS	9 PREHEAT	9 REMOVING	9 REPLACEMENT
9 SCALE	9 USING	9 COMPONENTS	9 WORKPIECE
8 APPEAS	8 ATTACHMENTS	8 G H	8 FILE
8 FUSED	8 GRINDER	8 PAINT	8 LOCATE
8 PART	8 PLACE	8 SILVER	8 POSITIONS
8 PRESSURE	8 ROD	8 V-105	8 SOLDERING
8 TEE	8 THICKNESS	7 DLETPAINE	7 ANGLE
7 CLEANED	7 COMPONENT	7 LAYOUT	7 EACH
7 HEAT	7 IDENTIFY	7 PAINT	7 MACHINE
7 MAXIMUM	7 MILL	7 SLIGHTLY	7 REDUCING
7 RUST	7 SHOULD	6 AGON	7 TIP
6 APPEARANCE	6 ARE	6 CORRECT	6 BENCH
6 CENTER	6 CLAMP	6 GAS	6 CONNECTIONS
6 DAMAGE	6 ESTABLISH	6 NEUTRAL	6 INSPECT
6 IRON	6 LAY	6 SPRAY	6 PROPER
6 REMOVED	6 TAPE	6 TIE	6 STRING
6 SUPPLY	5 ASSEMBLE	5 BASIC	6 WORK
5 APPROXIMATELY	5 BUILDUP	5 CORRECTLY	5 BRAZE
5 GRATING	5 FIVE	5 GRILLE	5 EDGE
5 END	5 MAR	5 MINIMUM	5 GRIND
5 INSURE	5 PASTE	5 PIPE	5 OPENING
5 OPERATION	5 REPLACE	5 SLAG	5 STENCIL
5 REPAIRED	5 STENCILS	5 TURF	5 TIN
5 STENCILS	4 AN	4 GELS	5 APPLICATION
4 AFTER	4 COMPLETELY	4 HEAD	4 BRACKETS
4 AS	4 DIMENSION	4 LANTOUR	4 COVER
4 BRUSH	4 FLAYES	4 PLUSH	4 DOWN
4 FINISH	4 GRADING	4 MIS	4 FOAM
4 GRADING	4 OUTLET	4 PAINTED	4 MEASUREMENTS
4 HECK	4 PATCH	4 PATTERN	4 PAINTING
4 PAPER	4 QUENCH	4 REPAIRS	4 PLUG
4 PRESS	4 SETTING	4 SPRINKLING	4 REQUIRED
4 SANDPAPER	4 SPARK	4 S WARE	4 SINGLE
4 SOLVENT	4 TESTS	4 THICK	4 START
4 TEMPERATURE	4 UNDERCUT	4 UTILL	4 TYP
4 TRIM	4 UTILITY	3 ADJOINING	4 USED
4 UTILITY	3 ACCEPTABLE	3 BACKLOG	4 WEATHERSTRIPPING
3 ACCEPTABLE	3 ACTION	3 BOLTS	4 AGAINST
3 ASSEMBLY	3 RACK	3 CHECK	3 BARRIER
3 REVELED	3 RIT	3 CONNECTION	3 BONDING
3 BOTTOM	3 BROKEN	3 E TIRE	3 CARRONIZING
3 CAST	3 CHANPIEL	3 FILL	3 CHEMICAL
3 CHIP	3 COMPRESSED	3 FLOWING	3 CROWN
3 DEMONSTRATE	3 DISASSEMBLE	3 HAV	3 EXCEED
3 EXHAUST	3 FILING	3 HAV	3 FINISHING
3 FIT	3 FLOTATION	3 HAV	3 GRINDING
3 GRU ID	3 HAMMER	3 HAV	3 HEATED
3 HEIGH	3 HODD	3 HAV	3 INCLUDED
3 INDICATE	3 INLRT	3 HAV	3 INSPECTION

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3 INTERPRET	3 ISOLATING	3 JOINTS	3 LAP
3 LESS	3 LOCATED	3 MAINTAIN	3 MARKED
3 MATERIAL	3 MIX	3 MOUNTAIN	3 OFF
3 UNDO	3 INTO	3 OTHER	3 OVERLAPPING
3 DRILLING	3 PENCIL	3 PENETRATIONS	3 PINHOLES
3 PLASTIC	3 POLYURETHANE	3 PRECAUTIONS	3 READY
3 REFERENCE	3 REVERSE	3 SOUNDING	3 SECURED
3 SHIELDING	3 SHORT	3 SIDE	3 SMALL
3 SOLDERED	3 SOLUTIONS	3 STRETCHED	3 SUPPORTS
3 THOROUGHLY	3 TYPES	3 UPPER	~~3 SURFACES~~
3 VISE	3 VISIBLE	3 VOLTAGE	~~3 SURFACES~~
3 WERE	3 WHICH	3 WIDTH	2 ACCEPT
2 ADJUSTMENTS	~~2 ALIGNMENT~~	~~2 ADJUST~~	2 ALIGN
2 ALIGNING	2 ASSAULT	2 ATTACHMENT	2 ANY
2 APHORED	2 BAR	2 BEEN	2 AUG
2 BITS	2 BLUCK	2 BLOW	2 BEYOND
2 BLUEPRINTS	2 BRAZED	2 BRICKS	2 BLUEPRINT
2 BUILD	2 BUT	2 CAJ	2 BRIGHT
2 CARBURIZING	2 CASE	2 CATEGORIES	~~2 CHARACTERISTICS~~
2 CLEANING	2 CLEARLY	2 CHAT	2 CHAMPION
2 CONTACT	2 COOL	2 CHARTER	2 CORRECTIVE
2 COUNTERSINK	2 CRACK	2 CLATERS	2 CYLINDER
~~2 DETERIORATED~~	2 DASHES	2 DEFICIENCIES	2 DESIGNS
2 DILLY	2 DIRECTIONS	2 DISCONNECT	2 DISSIMILAR
~~2 DIV~~	2 DOOR	2 DRAIN	2 DRY
2 FEED	2 ELECTRICAL	2 E CYCLOPEDIA	2 ENDS
2 FIR	2 EXCESSIVE	2 EXTENSION	2 EXTENT
~~2 FINE~~	2 FILES	2 FILLED	2 FILLERS
2 FINE	2 FIRE	2 FLATHEAD	2 FLEXIBLE
2 GLASSCUTTING	2 FURNACE	2 FLUXES	2 FRESHLY
2 HAMMERING	2 GLASSWORKING	~~2 HARDENING~~	2 GAGE
2 HIDDEN	2 HARDEN	2 HIGHEST	2 HACKSAW
2 IF	2 HIGH	2 LINES	2 HEAD
2 INSIDE	2 IMMEDIATELY	~~2 LAYER~~	2 HOLDER
2 KNIFE	2 INSTALLED	2 LIP	2 IMP
2 LEAVING	2 LAS	2 LIP	2 IRREGULARITY
2 LOOSE	2 LINE	2 MACHINISTS	2 LEAK
2 MASK	2 LOWER	2 MEASURE	2 LIPS
2 MEDIUM	2 MASKING	2 MINUTES	2 MARKS
~~2 OBSERVED~~	2 MIN	2 MOUNTAIN	2 MEDIA
2 OUTFIT	2 ONE	2 OPERATE	2 MOVEMENT
2 PATCHING	2 OVERHEATING	2 OVERLAY	2 OBJECT
2 PREVENT	2 PIECE	2 PIPES	2 ORDER
2 PRECISE	2 PREVIOUSLY	~~2 PRESSURES~~	2 PAP
2 QUALIFYING	2 PROCESS	2 PRESSURES	~~2 PRIVE~~
~~2 QUALIFYING~~	2 QUALIFYING	2 PRESSURES	2 PRIVE
	2 RECORDED	2 PRESSURES	2 REACTION
		2 PRESSURES	2 REGULATOR

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1 GRIND	1 GRADED	1 GAIT	1 HANDSAW
1 HARD	1 HARDWARE	1 HANDEPIER	1 HARDNESS
1 HEAVY	1 HELD	1 HE	1 HEATING
1 IDENTIFICATION	1 IDENTIFIED	1 HIGHER	1 HOLE
1 INDICATING	1 INDUCE	1 IDENTIFIER	1 INCLUSIONS
1 IRREGULARITIES	1 ITEM	1 INSERT	1 INSTALLATION
1 JACKET	1 KINDLING	1 ITS	
1 KEEPER	1 LAYING	1 KIT	1 KNOPS
1 LAYERS	1 LEADS	1 LEAD	1 LEAKPROOF
1 LEADER	1 LOCKED	1 LEAK	1 MADE
1 LEVEL	1 MAINTAINING	1 MAKING	1 MANUAL
1 MAGNESIUM	1 MELTS	1 MARKERS	1 MIGHT
1 MATCHES	1 MODIFICATION	1 MATTER	1 MOUNTED
1 MISSING	1 MUFFLE	1 NEGATIVE	1 NEAR
1 MOUNTING	1 NEEDING	1 NIT	1 NEW
1 MEAT	1 NICKLE	1 NUMBERING	1 NOTED
1 NEXT	1 NUMBER	1 OUTLINE	1 ORDERED
1 NOTES	1 OPERATIONAL	1 OUTLINES	1 OUTSIDE
1 ONLY	1 ORIGINAL	1 OVERSPRAY	1 OVERSTRETCH
1 ORDERS	1 OVERLAPPED	1 PACKING	1 PAGE
1 OVERFLOW	1 OXIDE	1 PRESS	1 PERPENDICULAR
1 OXIDATION	1 PARALLEL	1 PIPES	1 PITS
1 PANEL	1 PICKUP	1 PLUGS	1 PLUNGING
1 PENICILLIN	1 PLAIN	1 POSTHEAT	1 POUR
1 PLACED	1 PORTION	1 PREPARED	1 PREVIOUS
1 PLANTS	1 PRACTICE	1 PRODUCE	1 PROVIDED
1 POWER	1 PRIMERS	1 RAISE	1 RANGE
1 PRIMER	1 QUALIFIED	1 REPEAT	1 REPRESENTING
1 PUNCH	1 RECORD	1 REPEAT	1 RESPIRATOR
1 RATIO	1 RELEASE	1 REPEAT	1 RESISTANCE
1 REINFORCEMENT	1 RESIDUES	1 RETAILING	1 RETIN
1 REQUESTED	1 RESTRAINING	1 RIGID	1 ROOM
1 RESTORED	1 RIDGES	1 ROLLED	1 SACS
1 RHEOSTAT	1 RUN	1 ROLLS	1 SEALS
1 ROUNDED	1 SCRIBER	1 SEALERS	1 SEPARATE
1 SANDED	1 SERVICED	1 SHAPE	1 SHRUNK
1 SITUATIONS	1 SLIDING	1 SHARP	1 SOAP
1 SOLUTION	1 SPACE	1 SHARP	1 SPATTER
1 SPECIAL	1 SPECIMEN	1 SHARP	1 STENCILING
1 STOPPED	1 STURE	1 SHAPES	1 STENCIL
1 STRAIN	1 STRAP	1 SHAPES	1 STREAN
1 STRONG	1 SURMERGE	1 SHAPES	1 SUFFICIENT
1 SURF JUMPING	1 SWEAT	1 SHAPES	1 SYSTEM
1 TABLE	1 TAKING	1 SHAPES	1 TECHNICAL
1 TECHNIQUES	1 TEMPER	1 SHAPES	1 THINER
1 THICKENS	1 THROUGH	1 SHAPES	1 THINER
1 THICK	1 TIGHTEN	1 SHAPES	1 THINER
1 THIN	1 TOTAL	1 SHAPES	1 THINER

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1 UNDERCOATING
1 USUALLY
1 VISUAL
1 WAY
1 WINDINGS

1 TURNED
1 UPWARD
1 WATERPROOF
1 WHERE
1 WITHIN

1 TURN
1 UNDERSPRAY
1 VIEWS
1 WET
1 WIPING
1 WORKSHEET

1 TUBING
1 UNDERPINE
1 VERTICALLY
1 WEATHERSTRIP
1 WIPEU
1 WORKNEST

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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

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