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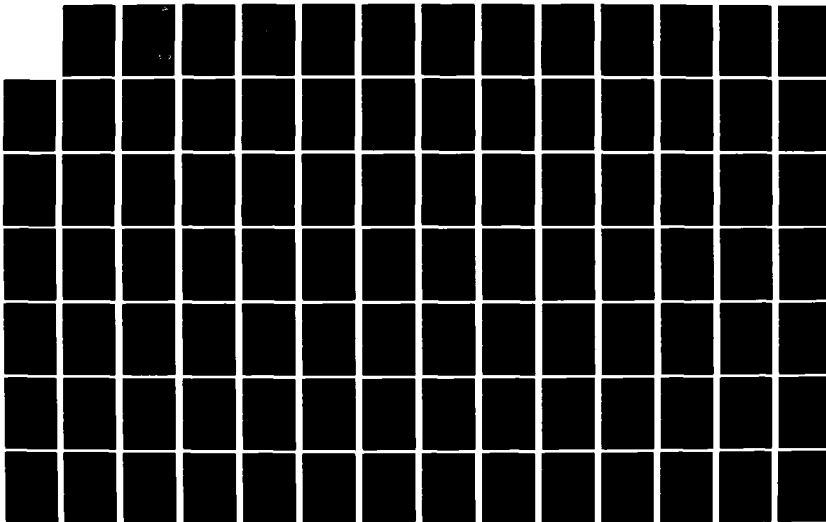
JOB LANGUAGE PERFORMANCE REQUIREMENTS FOR MOS 31M
MULTICHANNEL COMMUNICAT. (U) DEFENSE LANGUAGE INST
LACKLAND AFB TX ENGLISH LANGUAGE CENTER. 83 MAR 78

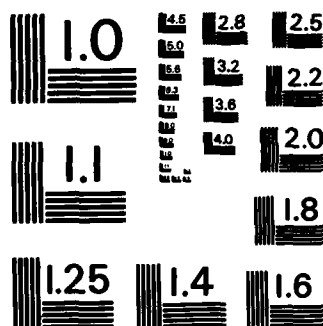
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OCT 1982

JOB LANGUAGE PERFORMANCE REQUIREMENTS
FORA31M
MOS
MULTICHANNEL COMMUNICATIONS EQUIPMENT OPERATOR

REFERENCE SOLDIER'S MANUAL DATED
3 March 1978

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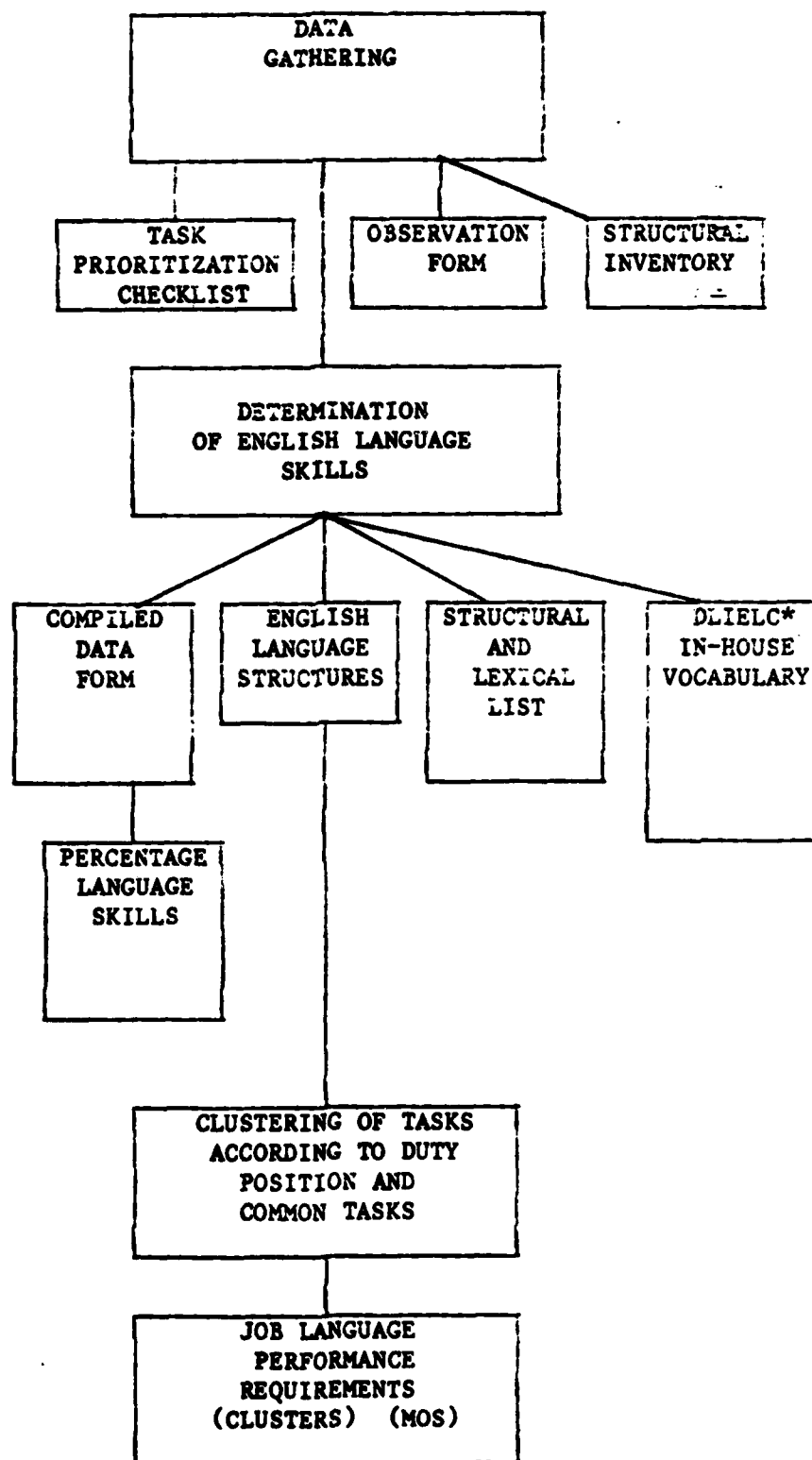


FIGURE 1

*Defense Language Institute English Language Center

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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) The Job Language Performance Requirements (JLPR) study was conducted to 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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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

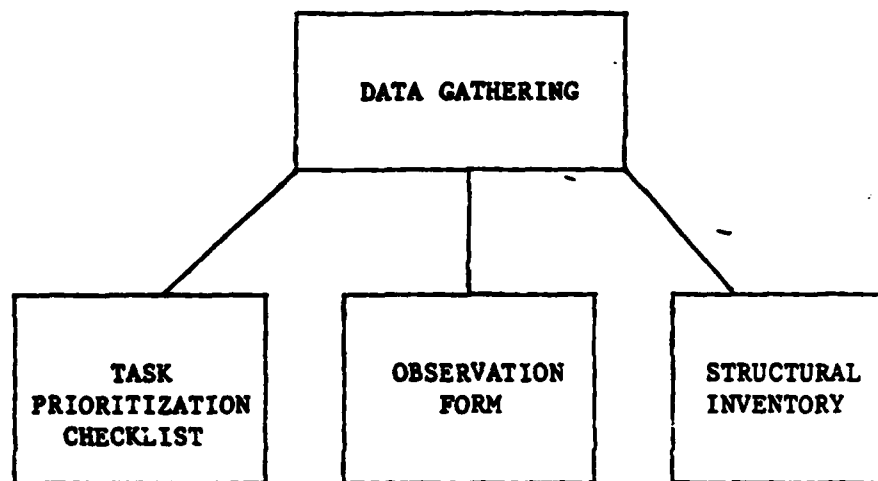


FIGURE 2

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

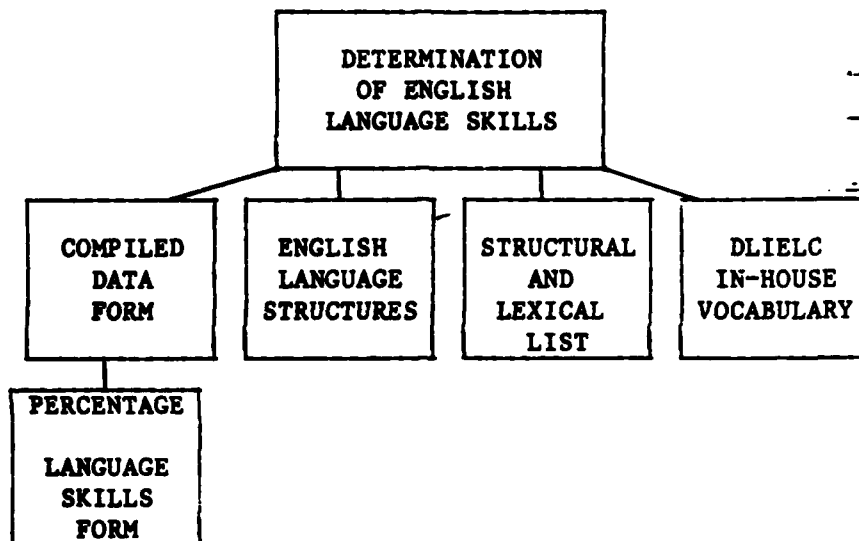


FIGURE 3

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 skill 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	49%
Speaking	36%
Reading	29%
Writing	26%

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.

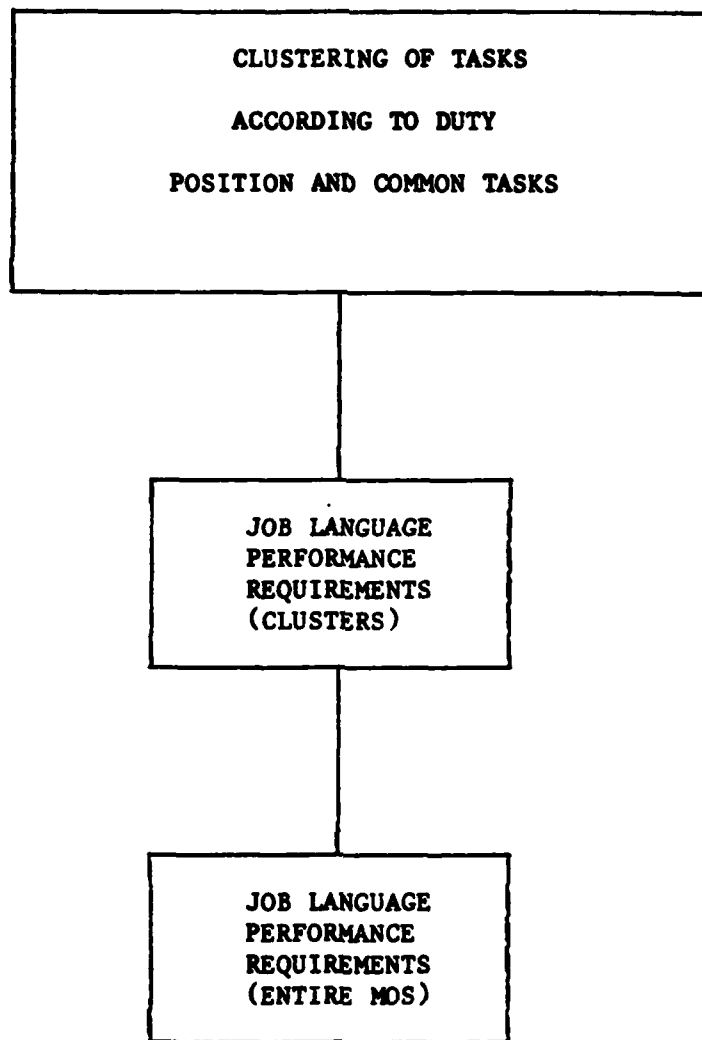


FIGURE 4

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. CAMOUFLAGE
4. SECURITY AND INTELLIGENCE
5. LAND NAVIGATION
6. M16A1 RIFLE
7. GENERATORS
8. RADIO TERMINAL SETS
9. TELEPHONE TERMINAL SETS
10. RADIO REPEATER SETS

SECTION IV

JOB LANGUAGE PERFORMANCE REQUIREMENTS

INTRODUCTION

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

SECTION IV: JOB LANGUAGE PERFORMANCE REQUIREMENTS

The format for the Job Language Performance Requirements is:

TASK:
CONDITION:
STANDARD:

A- TASK

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

SPEAKING

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

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

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

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

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

READING

Read for information/to learn.

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

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

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

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

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

LISTENING

Listen to oral information to learn/to report.

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

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

B. CONDITIONS

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

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

C. STANDARDS

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

SUMMARY/CONCLUSION:

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

SECTION V

JOB LANGUAGE PERFORMANCE REQUIREMENTS (CLUSTERED)

INTRODUCTION

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

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

FIRST AID

I. PERCENTAGE LANGUAGE SKILLS

Listening	54%
Speaking	43%
Reading	43%
Writing	36%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

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 & 6)
STANDARDS:	100% understanding of oral utterances
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 & 6)
STANDARDS:	100% understanding of oral communication
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 & 6)
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 & 6)
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 record and report
CONDITIONS:	Given a requirement to complete forms and make a written report
STANDARDS:	100% understandable and legible written content

III. TASK NUMBERS AND TITLES

113-39A-1001 Apply the Four Life-Saving Measures

NUCLEAR, BIOLOGICAL AND CHEMICAL OPERATIONS

I. PERCENTAGE LANGUAGE SKILLS

Listening	64%
Speaking	48%
Reading	41%
Writing	35%

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 & 6)
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 & 6)
STANDARDS: 100% understanding of oral utterances

TASK: Produce oral utterances to inform and respond
CONDITIONS: Given NBC situations requiring oral alarms
STANDARDS: 100% understandable 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 & 6)
STANDARDS: 100% understandable oral responses

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

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

III. TASK NUMBERS AND TITLES

113-39A-1004	Maintain Protective Mask and Accessories
113-39A-1005	Put on a Protective Mask
113-39A-1006	Take Cover as Protection Against NBC Hazards
113-39A-1008	Administer Antidote to a Nerve Agent Casualty

CAMOUFLAGE

I. PERCENTAGE LANGUAGE SKILLS

Listening	69%
Speaking	43%
Reading	29%
Writing	21%

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 & 6)
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 & 6)
STANDARDS:	100% understandable oral responses
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

III. TASK NUMBERS AND TITLES

113-39A-1015 Camouflage/Conceal Defensive Positions

SECURITY AND INTELLIGENCE

I. PERCENTAGE LANGUAGE SKILLS

Listening	46%
Speaking	57%
Reading	43%
Writing	46%

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 & 6)
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 & 6)
STANDARDS:	100% understandable oral responses
TASK:	Read to learn
CONDITIONS:	Given printed MOS training materials in the form of procedures, tables and warnings
STANDARDS:	100% understanding of printed content
TASK:	Write to record and report
CONDITIONS:	Given the requirement to complete forms and make written reports
STANDARDS:	100% understandable and legible written content

III. TASK NUMBERS AND TITLES

113-39A-1019 Safeguard Classified Information

LAND NAVIGATION

I. PERCENTAGE LANGUAGE SKILLS

Listening	0%
Speaking	0%
Reading	0%
Writing	0%

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 & 6)
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 & 6)
STANDARDS:	100% understandable oral responses
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

III. TASK NUMBERS AND TITLES

113-39A-2009 Navigate Using a Map

M16A1 RIFLE

I. PERCENTAGE LANGUAGE SKILLS

Listening	59%
- Speaking	36%
- Reading	36%
- Writing	30%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn and perform
CONDITIONS:	Given oral instructions or verbal commands in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
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 & 6)
STANDARDS:	100% understandable oral responses
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:	Write to record and report
CONDITIONS:	Given a requirement to complete forms and make written reports
STANDARDS:	100% understandable and legible written content

III. TASK NUMBERS AND TITLES

113-39A-1023	Load, Reduce a Stoppage, Unload and Clear an M16A1 Rifle
113-39A-1025	Engage Targets with an M16A1 Rifle

GENERATORS

I. PERCENTAGE LANGUAGE SKILLS

Listening	41%
Speaking	23%
Reading	20%
Writing	17%

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 & 6)
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 & 6)
STANDARDS:	100% understandable oral responses
TASK:	Read to learn
CONDITIONS:	Given printed MOS training materials in the form of captioned illustrations, procedures and references
STANDARDS:	100% understanding of printed content
TASK:	Write to record and report
CONDITIONS:	Given the requirement to complete forms and make written reports
STANDARDS:	100% understandable and legible written content

III. TASK NUMBERS AND TITLES

113-31M-1005	Install Generator Set, 3 KW, PU-625/G or PU-628/G
113-31M-1006	Operate Generator Set, 3 KW, PU-625/G or PU-628/G
113-31M-1008	Perform Operator's Daily Preventive Maintenance on Generator Set, 3 KW, PU-625/G or PU-628/G
113-31M-1007	Troubleshoot Generator Set, 3 KW, PU-625/G or PU-628/G
113-31M-1001	Install Generator Set, 1.5 KW, MEP-015A
113-31M-1002	Operate Generator Set, 1.5 KW, MEP-015A
113-31M-1004	Perform Operator's Daily Preventive Maintenance on Generator Set, 1.5 KW, MEP-015A
113-31M-1003	Troubleshoot Generator Set, 1.5 KW, MEP-015A
113-31M-1009	Install Generator Set, 5 KW, PU-618/M
113-31M-1010	Operate Generator Set, 5 KW, PU-618/M
113-31M-1012	Perform Operator's Daily Preventive Maintenance on Generator Set, 5 KW, PU-618M
113-31M-1011	Troubleshoot Generator Set, 5 KW, PU-618/M

113-31M-2013 Inspect Installation of Power Generator Sets
113-31M-2014 Inspect Operation of Power Generator Sets
113-31M-2016 Direct Operator's Daily Preventive Maintenance on Power
Generator Sets
113-31M-2015 Direct Troubleshooting of Power Generator Sets

RADIO TERMINAL SETS

I. PERCENTAGE LANGUAGE SKILLS

Listening	36%
- Speaking	22%
- Reading	20%
- Writing	20%

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 & 6)
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 & 6)
STANDARDS:	100% understandable oral responses
TASK:	Produce oral utterances over radiotelephone
CONDITIONS:	Given the requirement to communicate orally using the phonetic alphabet in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable oral utterances
TASK:	Read to learn
CONDITIONS:	Given printed MOS training materials in the form of diagrams, captioned illustrations, procedures and references
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

113-31M-1030	Install Radio Terminal Set, AN/TRC-145(V)
113-31M-1031	Operate Radio Terminal Set, AN/TRC-145(V)
113-31M-1033	Perform Operator's Daily Preventive Maintenance on Radio Terminal Set, AN/TRC-145(V)
113-31M-1032	Troubleshoot Radio Terminal Set, AN/TRC-145(V)
113-31M-1034	Perform Equipment Serviceability Criteria for Radio Terminal Set, AN/TRC 145(V)
113-31M-1013	Install Radio Terminal Set, AN/MRC-115(V)
113-31M-1014	Operate Radio Terminal Set, AN/MRC-115(V)

113-31M-1016	Perform Operator's Daily Preventive Maintenance on Radio Terminal Set, AN/MRC-115 (v)
113-31M-1015	Troubleshoot Radio Terminal Set, AN/MRC-115(V)
113-31M-1022	Install Radio Terminal Set, AN/MRC-127
113-31M-1023	Operate Radio Terminal Set, AN/MRC-127
113-31M-1025	Perform Operator's Daily Preventive Maintenance on Radio Terminal Set, AN/MRC-127
113-31M-1024	Troubleshoot Radio Terminal Set, AN/MRC-127
113-31M-1056	Install Radio Terminal Set, AN/TRC-117(V)
113-31M-1057	Operate Radio Terminal Set, AN/TRC-117(V)
113-31M-1059	Perform Operator's Daily Preventive Maintenance on Radio Terminal Set, AN/TRC-117(V)
113-31M-1058	Troubleshoot Radio Terminal Set, AN/TRC-117(V)
113-31M-1060	Perform Equipment Serviceability Criteria for Radio Terminal Set, AN/TRC-117(V)
113-31M-1071	Troubleshoot Radio Terminal Set, AN/MRC-69(V)
113-31M-1076	Troubleshoot Radio Terminal Set, AN/MRC-73(V)
113-31M-2005	Inspect Installation of Radio Terminal Sets
113-31M-2006	Inspect Operation of Radio Terminal Sets
113-31M-2008	Direct Operator's Daily Preventive Maintenance of Radio Terminal Sets
113-31M-2007	Direct Troubleshooting of Radio Terminal Sets

TELEPHONE TERMINAL SETS

I. PERCENTAGE LANGUAGE SKILLS

Listening	41%
Speaking	27%
Reading	20%
Writing	18%

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 & 6)
STANDARDS: 100% understanding of oral communication

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 & 6)
STANDARDS: 100% understandable 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 & 6)
STANDARDS: 100% understandable oral responses

TASK: Read to learn
CONDITIONS: Given printed MOS training materials in the form of instructions, diagrams and captioned illustrations
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

113-31M-1026	Install Terminal Set, Telephone, AN/TCC-65
113-31M-1027	Operate Terminal Set, Telephone, AN/TCC-65
113-31M-1029	Perform Operator's Daily Preventive Maintenance on Terminal Set, Telephone, AN/TCC-65
113-31M-1028	Troubleshoot Terminal Set, Telephone, AN/TCC-65
113-31M-1040	Install Terminal Set, Telephone, AN/TCC-61
113-31M-1041	Operate Terminal Set, Telephone, AN/TCC-61

113-31M-1043	Perform Operator's Daily Preventive Maintenance on Terminal Set, AN/TCC-61
113-31M-1042	Troubleshoot Terminal Set, Telephone, AN/TCC-61
113-31M-1035	Install Terminal Set, Telephone, AN/TCC-60 or AN/TCC-69
113-31M-1036	Operate Terminal Set, Telephone, AN/TCC-60 or AN/TCC-69
113-31M-1038	Perform Operator's Daily Preventive Maintenance on Terminal Set, Telephone, AN/TCC-60 or AN/TCC-69
113-31M-1037	Troubleshoot Terminal Set, Telephone, AN/TCC-60 or AN/TCC-69
113-31M-2001	Inspect Installation of Telephone Terminal Sets
113-31M-2002	Inspect Operation of Telephone Terminal Sets
113-31M-2004	Direct Operator's Daily Preventive Maintenance of Telephone Terminal Sets
113-31M-2003	Direct Troubleshooting of Telephone Terminal Sets

RADIO REPEATER SETS

I. PERCENTAGE LANGUAGE SKILLS

Listening	34%
Speaking	24%
Reading	14%
Writing	15%

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 & 6)
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 & 6)
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 & 6)
STANDARDS:	100% understandable oral utterances
TASK:	Read to learn
CONDITIONS:	Given printed MOS training materials in the form of instructions, diagrams and captioned illustrations
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

113-31M-1017	Install Repeater Set, Radio, AN/TRC-113(V)
113-31M-1018	Operate Repeater Set, Radio, AN/TRC-113(V)
113-31M-1020	Perform Operator's Daily Preventive Maintenance on Repeater Set, Radio, AN/TRC-113(V)
113-31M-1019	Troubleshoot Repeater Set, Radio, AN/TRC-113(V)
113-31M-1052	Install Repeater Set, Radio, AN/TRC-110(V)
113-31M-1053	Operate Repeater Set, Radio, AN/TRC-110(V)

113-31M-1055	Perform Operator's Daily Preventive Maintenance on Repeater Set, Radio, AN/TRC-110(V)
113-31M-1054	Troubleshoot Repeater Set, Radio, AN/TRC-110(V)
113-31M-1048	Install Repeater Set, Radio, AN/TRC-109(V)
113-31M-1049	Operate Repeater Set, Radio, AN/TRC-109(V)
113-31M-1051	Perform Operator's Daily Preventive Maintenance on Repeater Set, Radio, AN/TRC-109(V)
113-31M-1050	Troubleshoot Repeater Set, Radio, AN/TRC-109(V)
113-31M-2009	Inspect Installation of Radio Repeater Sets
113-31M-2010	Inspect Operation of Radio Repeater Sets
113-31M-2012	Direct Operator's Daily Preventive Maintenance of Radio Repeater Sets
113-31M-2011	Direct Troubleshooting of Radio Repeater Sets

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.

(PRESENTLY _____ING IN)

MOS IN WHICH YOU WERE TRAINED: _____

POSITION: _____

UNIT: _____

2 = med
3 = high

YES

NO

IS TASK
TAUGHT?

LISTENING*
SPEAKING*
READING*
WRITING*

OF:

LECTURE
SELF-PACED
DEMONSTRATION
HANDS-ON

TAUGHT

YES

NO

IS TASK
TESTED?

WRITTEN
ORAL
PERFORMANCE

PERSON

EQUIPMENT
RESULTS
DANGER

APPENDIX 2

TASK INVENTORY COMPILED DATA FORM

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

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

MOS: _____ NUMBER OF RESPONSES: _____

DATA OBTAINED FROM: _____ TRAINING SPECIALIST: _____

TASK NUMBER	AIT	CRITICALITY	METHODS OF TEACHING	METHODS OF TESTING	RATING OF ELS
	difficult?	danger to person or equipment importance	self-paced hands on demonstration lecture	written oral performance	writing
	tested?				reading
	taught?				speaking
					listening
1001					
1002					
1003					
1004					
1005					
1006					
1007					
1008					
1009					
1010					

equipment				
importance				
difficult?				
tested?				
NOS: _____ NUMBER OF RESPONSES: _____				
DATA OBTAINED FROM: _____ TRAINING SPECIALIST: _____				
writing				
reading				
speaking				
listening				
written				
oral				
performance				

[illegible]

[illegible]

TASK NUMBER	AIT	CRITICALITY	METHODS OF TEACHING	METHODS OF TESTING	RATING OF ELS	UNIT		CRITICALITY	METHODS OF TEACHING	METHODS OF TESTING	RATING OF ELS
						difficult?	tested?				
113-314-1012			self-paced	written	writing						
			hands-on	oral	reading						
			demonstration	performance	speaking						
			lecture		listening						
113-314-1011			self-paced	written	writing						
			hands-on	oral	reading						
			demonstration	performance	speaking						
			lecture		listening						
113-314-1013			self-paced	written	writing						
			hands-on	oral	reading						
			demonstration	performance	speaking						
			lecture		listening						
113-314-1014			self-paced	written	writing						
			hands-on	oral	reading						
			demonstration	performance	speaking						
			lecture		listening						

TRAINING SPECIALIST:

[illegible]

DATA OBTAINED FROM:

TRAINING SPECIALIST:[illegible]

NOS:

NUMBER OF RESPONSES:

DATA OBTAINED FROM:

TRAINING SPECIALIST:

[illegible]

[illegible]

DATA OBTAINED FROM:

TRAINING SPECIALIST:

[illegible]

DATA OBTAINED FROM: TRAINING SPECIALIST:

TASK NUMBER	AIT	CRITICALITY	METHODS OF TEACHING	METHODS OF TESTING	RATING OF ELS
	difficult?	danger to person or equipment importance	self-paced hands on demonstration lecture	written oral performance	writing reading speaking listening
113-314-1040	1	1	1	1	1
	0	1	1	1	1
	1	1	1	1	1
	0	1	1	1	1
	1	1	1	1	1
113-314-1071	1	1	1	1	1
	1	1	1	1	1
	1	1	1	1	1
	1	1	1	1	1
	1	1	1	1	1
113-314-1076	1	1	1	1	1
	1	1	1	1	1
	1	1	1	1	1
	1	1	1	1	1
	1	1	1	1	1
113-314-1081	1	1	1	1	1
	1	1	1	1	1
	1	1	1	1	1
	1	1	1	1	1
	1	1	1	1	1

TRAINING SPECIALIST:

TASK NUMBER	AIT	CRITICALITY	METHODS OF TRAINING	METHODS OF TESTING	RATING OF ELS
112-31M-2005	difficult?		self-paced	written	writing
	tested?		hands on	oral	reading
	thought?		demonstration	performance	speaking
			lecture		listening
112-31M-2006	difficult?				
	tested?				
	thought?				
113-31M-2008	difficult?				
	tested?				
	thought?				

equipment importance	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
difficult?	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
tested?	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
MOS: _____ NUMBER OF RESPONSES: _____																														
DATA OBTAINED FROM: _____ TRAINING SPECIALIST: _____																														
writing	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
reading	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
speaking	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
listening	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
written	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
oral	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
performance	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30

DATA OBTAINED FROM:

TRAINING SPECIALIST:[illegible]

MOS:

NUMBER OF RESPONSES:

DATA OBTAINED FROM:

TRAINING SPECIALIST:

[illegible]

[illegible]

[illegible]

danger to person or equipment importance			
difficult?			
tested?			
MOS: _____ NUMBER OF RESPONSES: _____			
DATA OBTAINED FROM: _____ TRAINING SPECIALIST: _____			
writing			
reading			
speaking			
listening			
written			
oral			
performance			

PAGE 18 OF		MOS: _____ NUMBER OF RESPONSES: _____	
		DATA OBTAINED FROM: _____ TRAINING SPECIALIST: _____	
RATING OF ELS	writing		
	reading		
	speaking		
	listening		
METHODS OF TESTING	written		
	oral performance		
METHODS OF TEACHING	self-paced		
	hands-on		
	demonstration		
	lecture		
CRITICALITY	danger to person or equipment		
	importance		
UNIT	difficult?		
	tested?		
		MOS: _____ NUMBER OF RESPONSES: _____	
		DATA OBTAINED FROM: _____ TRAINING SPECIALIST: _____	
RATING OF ELS	writing		
	reading		
	speaking		
	listening		
METHODS OF TESTING	written		
	oral performance		
METHODS OF TEACHING	self-paced		
	hands on		
	demonstration		
	lecture		
CRITICALITY	danger to person or equipment		
	importance		
AIT	difficult?		
	tested?		
	taught?		
TASK NUMBER			

PAGE 19 OF		MOS: _____	
		DATA OBTAINED FROM: _____ TRAINING SPECIALIST: _____	
RATING OF ELS	writing		
	reading		
	speaking		
	listening		
METHODS OF TESTING	written		
	oral		
	performance		
METHODS OF TEACHING	self-paced		
	hands-on		
	demonstration		
	lecture		
CRITICALITY	danger to		
	person or		
	equipment		
UNIT	difficult?		
	tested?		
		MOS: _____ NUMBER OF RESPONSES: _____	
		DATA OBTAINED FROM: _____ TRAINING SPECIALIST: _____	
RATING OF ELS	writing		
	reading		
	speaking		
	listening		
METHODS OF TESTING	written		
	oral		
	performance		
METHODS OF TEACHING	self-paced		
	hands on		
	demonstration		
	lecture		
CRITICALITY	danger to		
	person or		
	equipment		
AIT	difficult?		
	tested?		
	taught?		
TASK NUMBER			

[illegible]

equipment importance	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
difficult?	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
tested?	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
MOS: _____											NUMBER OF RESPONSES: _____																																																																																									
DATA OBTAINED FROM: _____											TRAINING SPECIALIST: _____																																																																																									
writing	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
reading	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
speaking	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64																																				

[illegible]

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.

56 65

66

MDS31M (CL)

31M

1

T = total number of responses to variables in the cluster

V = number of tasks in the cluster

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

	TR + (T)(V)(R) = %	- observation - lecture - discussion - self-paced - rating (scale)	- oral (test) - rating (scale)	- self-paced - written (test) - rating (scale)	- self-paced - written (test) - rating (scale)
Cluster	5 = 100%	2 = 100%	3 = 100%	4 = 100%	
Cluster 1	$1 \times 5 \times 7 = 35$ $D = 4$ $L = 4$ $W = 2$ $R = 3$ $R = 6$ 19 $30 \overline{) 19} = 54$	$1 \times 2 \times 7 = 14$ $O = 3$ $R = 3$ 6 $14 \overline{) 16} = 43$	$1 \times 3 \times 7 = 21$ $SP = 1$ $W = 3$ $R = 5$ 9 $21 \overline{) 19}$	$1 \times 4 \times 7 = 28$ $L = 4$ $SP = 1$ $W = 3$ $R = 2$ 10 $28 \overline{) 10}$	
Cluster 2	54% $4 \times 5 \times 7 = 140$ $D = 22$ $W = 11$ $R = 15$ 61 $140 \overline{) 61}$	43% $4 \times 2 \times 7 = 56$ $O = 10$ $R = 17$ 27 $56 \overline{) 27}$	41% $4 \times 3 \times 7 = 84$ $SP = 2$ $W = 11$ $R = 31$ 30 $84 \overline{) 34}$	36% $4 \times 4 \times 7 = 112$ $L = 14$ $SP = 2$ $W = 11$ $R = 11$ 39 $112 \overline{) 39}$	
Cluster 3	64% $1 \times 5 \times 7 = 35$ $D = 3$ $W = 4$ $R = 5$ 24 $35 \overline{) 24}$	48% $1 \times 2 \times 7 = 14$ $O = 3$ $R = 3$ 6 $14 \overline{) 6}$	40% $1 \times 3 \times 7 = 21$ $SP = 1$ $W = 2$ $R = 4$ 5 $21 \overline{) 5}$	31% $1 \times 4 \times 7 = 28$ $L = 4$ $SP = 1$ $W = 2$ $R = 1$ 1 $28 \overline{) 1}$	

31M

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

Task	LISTENING	READING	WRITING	ARITHMETIC
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%
112-31M -111	1x5x7=35 D=4 L=5 H=8 R=1 <u>R=6</u> 16 35/16	1x2x7=14 D=3 L=5 <u>R=5</u> 8 14/8	1x2x7=14 SP=4 W=3 R=6 <u>9</u> 14/9	1x2x7=14 L=5 SP=4 W=3 <u>R=5</u> 13 14/13
	469%	57%	43%	46%
113-31M -110	D=4 L=5 H=8 R=1 <u>R=6</u>	D=3 L=5 <u>R=5</u>	SP=4 W=3 R=6 <u>9</u>	L=5 SP=4 W=3 <u>R=5</u>
	469%	57%	43%	46%
114-31M -111	2x5x7=70 D=4 L=5 H=8 R=1 <u>R=6</u> 41 70/41	2x2x7=28 D=5 L=5 <u>R=5</u> 15 28/15	2x3x7=42 SP=4 W=3 R=8 <u>15</u> 42/15	2x4x7=56 L=5 SP=4 W=3 <u>R=5</u> 17 56/17
	54%	36%	36%	30%

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PERCENTAGE LANGUAGE SKILLS
NOS 31 M

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%
113-31M- 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017	16 x 5 x 15 = 1200 L - 56 D - 90 HO - 132 Pt - 116 Rs - 103 1200) 497	16 x 2 x 15 = 480 O - 26 R - 85 480) 111	16 x 3 x 15 = 720 SP - 13 W - 25 Rs - 109 720) 147	16 x 4 x 15 = 960 L - 56 Sp - 13 W - 25 R - 69 960) 163
	117%	239%	209%	17%
113-31M- 1020 1031 1033 1032 1034 1013 1014 1016 1015 1017 1023 1025 1024 1026 1027 1028 1029	24 x 5 x 14 = 1680 L - 95 D - 40 HO - 152 Pt - 137 Rs - 26 1680) 595	24 x 2 x 14 = 672 O - 40 R - 108 672) 140	24 x 3 x 14 = 1008 Sp - 24 W - 47 Rs - 134 1008) 205	24 x 4 x 14 = 1344 L - 25 Sp - 24 W - 47 R - 27 1344) 205
	36%	20%	10%	2%

23
TR = total number of responses to variables in the cluster
T = number of tasks in the cluster
V = variables
R = number of respondents in any task in that cluster

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MDS 311

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

Cluster	5 = 100%	2 = 100%	3 = 100%	4 = 100%
1	-demonstration -lecture -discussion -rating (scale)	-oral (test) -rating (scale)	-self-paced -written (test) -rating (scale)	-lecture -self-paced -written (test) -rating (scale)
2	D = 7 L = 5 H = 135 P = 9 496	D = 24 R = 104 128	SP = 19 W = 12 R = 115 146	L = 57 SP = 19 W = 12 R = 115 169
3	4120 L = 69 L = 57 H = 115 R = 74 455	2720 L = 32 R = 52 114 450	2090 L = 7 R = 3 74 24 720	1820 L = 59 SP = 7 W = 3 R = 53 142 960
4	3420 D = L = H = P =	2100 D = R =	1420 SP = W = R =	1520 L = SP = W = R =

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.

DOS _____

PERSON RECORDING _____

LOCATION
(UNIT/AIT) _____

SUBJECT _____ * TASK NUMBER IF KNOWN _____

Physical Environment of Instruction

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

Styles of Communication Instructor, Verbal order

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

Comments:

Media of Instruction

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

Comments:

Mode of Response

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

Comments:

Instructional Ratio

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

4/

APPENDIX 5

STRUCTURAL/LEXICAL LIST

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

STRUCTURAL ITEMS

SENTENCE PATTERNS

SIMPLE: One subject and one predicate

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

COMPOUND: Two or more sentences joined by:

1. Coordinating conjunction

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

2. Conjunctive adverb

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

3. Semicolon

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

COMPLEX: One or more dependent clauses

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

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

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

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

SENTENCE TYPES

1. INTERROGATIVE

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

2. DECLARATIVE

Classified information will not be discussed over the telephone.

3. EXCLAMATORY

HALT!

4. IMPERATIVE

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

5. ELLIPSIS:

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

6. FRAGMENT

Movement to occupy a position.
All other parts.

ADVERBIAL CLAUSES

1. PURPOSES

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

2. CONTRAST

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

3. COMPARISON

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

4. RESULT

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

5. MANNER

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

6. TIME

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

Split the bracket until fire for effect is possible.

7. PLACE

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

8. CAUSE

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

9. ADVERSATIVE

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

10. CONDITION

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

PHRASES

1. GERUND

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

2. PARTICIPIAL

Using a straightedge draw a line between the two objects.

3. INFINITIVE

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

4. PREPOSITIONAL

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

LEXICAL ITEMS

ADJECTIVALS

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

ADJECTIVES

1. WORD + ABLE

AVAILABLE

2. COMPARATIVES

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

3. SUPERLATIVES

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

PRONOUNS

1. INDEFINITE

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

2. POSSESSIVE

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

3. SUBJECTIVE

This will give you correct nomenclature.

4. OBJECTIVE

It will also give you the correct functioning.

5. REFLEXIVE

Keep yourself clear of the muzzle.

VERBS

1. VERB TENSES

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

--You will be tested.

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

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

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

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

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

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

2. TYPES

intransitive
(You) train for results.

transitive
Mask the casualty.

linking
The skin becomes inflamed.

3. VOICE

active

recognize
protect
is facing
remove
explode
sounds
points out
seen

appear
seek
secure
wear
mask
stored
do require
could affect

has
must be
wipe
rinse
put brush
empty
reassemble
reinstall

passive

given
is protected
is sprayed

are alerted
are reported
have been corrected

are authorized
be corrected

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

4. MODALS

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

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

Injury or death could result.

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

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

5. AUXILIARIES

(do, does, negative)

Do not zero in under 100 meters.

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

GERUNDS

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

INFINITIVES

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

ADVERBS +

1. SUPERLATIVE

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

2. INDEFINITE

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

3. FREQUENCY

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

4. OTHER

Assembly procedure for the grenade launcher merely reverses disassembly steps.

5. COMPARATIVE

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

VERBS AND PREPOSITIONS

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

VERBS AND ADVERB

(particles)

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

APPENDIX 6

VOCABULARY (DLIELC IN-HOUSE)

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

<u>GE</u>	<u>BT</u>	<u>Tech</u>
a	assistance	accessory bread
about		antenna
above	bolt	auxiliary log books
accomplish	briefing	
all	damp	bags
angle (45 degree)		
approximately	equipment	components
area		
as...as possible	fire extinguisher	DA Form 2404
	fire point	
basic issue	FM's	fuel gas ^G
be careful		fuel hose
bottom of	garrison	fuel line
		fuel system
check	handbreak	fuel tank
clear		
complete	leveled	generator covers
conditions	lock (v)	generators 3kw/MEP 0116
connect	log book	generator set
	LO's	grounding
damage	lower	ground lead
deep		ground rod
defects	mounted	
		installation
deficiencies	performance measure	
dig	POL-petroleum	load cable
direction	oils	log books
drive	lubricants	
	position	mounting bolt
environment		no 6 AWG
exceed	safety	
	secured	oil drain adapter
front and rear	set	
	shelter	power
hardware	support	PU-625/G
have		PU-628/G
hole	tactical	
	tailgate	reel holder
if necessary	team chief	roof bows
in	threads	
inclusive	TM's	storage racks
individual	trailer (3/4 ton)	switch box
injury		
inspect	whed blocks	tank straps
insure		tarpaulin
interior		terminal studs
items		transfer box
		transfer switch
less		
location		wire clamps
loose		
lower		

GE (con't)

must be

note

one at a time

part of
perform
personnel
perform
place
possibility
procedures
provide

quick

reduce
removal
required

see
sections
shortcoming

task
text
that
this
tools
top of

uncorrected
under
underside
use

vicinity,

weather
which
within
working

your

82

GE

above
accomplish
all
allow
apply
around
attempt

before
below
be sure
between

close
complete
conditions
continue

depending on
during

entry

first
fix
follow
for example
fully

gradually

have

if necessary
incorrect
insure

just

make

normally

only
open
operate

perform
period
place
point of
position(v)
prepare
proper
provide

BT

adjust
after operation
assistance

basic issue
briefing

caution.
cause
checks
connect
connections
corresponding with
counter clockwise

daily entry
depending

engine
equipment shelter
equipped with
exceed
extended period
external

fails
fault
field location
fixed site
frequently

immediately
inspect
installation
items
labeled
later models
log book
Lo's

machine
manual
manually
method
mounted
off/on position
operate
operation
operational procedures
optional
organizational maintenance

place
placing
power

Tech

"adjust volts"
after operation
apply power
assemblages
attain
automatically
Aux tank
air intake shutter

before operation
build up

changed over
choke
choke control lever
circuit breaker
compatible
compensate for
current
current draw
DA Form 2404
desired voltage
during operation

electrical starting

field flash switch
flange
flashing
frequency meter
fuel selector valve
fuel supply
fuel system

generator fields
generator set
governor control
governor position
grounding

idle position
"increase volts"
indication
inspect

load meter
load terminals
low capacity

manual starting
manifold channel

operating procedures
output
output selector switch
PCM shelter

GE :con't

pull
quick
refer to
require
requirements
should
similar
start
task
temperature
through
tools
turn
turning
under
until
weather
will be
within

BT

preventive maintenance
prior to
provide
restart
safety equipment
services
set
starting
steady motion
stopping
source of
system
team chief
TM;s
trailer (3/4 ton)

Tech

phase
power cable
power source
PU-625(G)
PU-628(G)
rated speed
readadjust
receptacle
reflecting
registers
run position
selector switch
set tand
starter rope
start position
starting position
starting switch
stopping procedures
summer position
unit
variable resistor
VDC
voltage
bolt meter
wrap

113-31M-1008 Perform Operator's Daily Preventive Maintenance on Generator Set, 3kw
625/G, Pu-62846 628/G

<u>GE</u>	<u>BT</u>	<u>Tech'</u>
a	cargo trailer	accessory items
accomplish	checks	air cleaner
always	conditions	
applicable	control	bording straps
	controls	brackets
bad	correct	cable reels
before	correct operation	canvas cover
	cracks	cover (v)
check for		
clean	damage	DA Form 2404
complete	deficiencies	damaged threads
conditions	dents	defective
	determine	
daily		electrical shock
damage	engine	electrocution
during	environment	engine oil level
	equipment	
if necessary		fill(v)
immediately	FM's	frame assembly
in		fuel filter
in accordance	garrison	fuel lines
inspect for	good one	fuel tank
		fuse
make certain	install	fuse holder
most	instructions	
must	instruments	gage readings
		ground
or	log books	ground stud
other	loose	
	LO's	holders 3kw
part of		
perform	normal	leg prop
proper		linkage
provide	operator	lubricating
	operator's preventive maintenance	lubricating materials
replace	outlined	mountings
require		
result	power	oil filter
shown	preventive maintenance	
		FU-625G
task	rags	FU-628G
this	record	
time limit	references	
	rips	racks
under		root bows
	safety	
weather	serviceable	service (v)
within	service	shock mounts
	severe	strainer
	short comings	straps
	start unit	tarpaulin
	tactical	tiedowns
	tears	
	TM's	

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113-31M-1007 Trouble Shoot Generator Set, 3kw
FU-625/G FU-628/G

GE

another
available

beyond

change
complete
conditions
correct

daily
during
fill...with'
follow

given

hard to
in
inform

less

make
material
must

open
or
over

perform
place
prior
provide

remove
required

see

take
task
this

under

weather
while

BT

appropriate
assistance
attain

breaks
burns

caution
chart
clockwise
complete
correct
counter clockwise
cracks

defects
defective
depending on
engine speed
established

fails to

garrison
inspection

labeled
LO's
loose terminals

maintenance
malfunction

nature of
noted

operational
organizational

personnel
problem area
proper level
pull

recognize
references
refer to
repair
report to
restrictions
running

safety equipment
scope of
serling
service (v)

Tech

adjust
audible

blocking
build up

circuit
corrective action
crankcase

DA Form 2404
defective fuse
drain oil

encounter

fails to
fluctuation
fuel supply
fuel system
fuse caps
fuse holder

generator set
generator ventilators
ground

increase volts
insufficient

load lines
load terminals
localize
loose connections
over heat
over loaded

power generator set
proper fuel
FU 625 G
FU 628 G

radio interference
rated voltage
reduce load

scope of
sectionalize
smokey
supply

trapped
tighten
trouble shoot

BT (con't)

start
team chief
tests
thorough
TM's
tools

visual(ly)

Tech-

variable resistor
variable resistor knob
voltage fluctuates
voltmeter reading

<u>GE</u>	<u>BE</u>	<u>Tech</u>
above	allow	AC power
accomplish	angle (45 degree)	antenna
all	approximately	AN/TRC-.45(v)
around	area	assemblage
conditions	as close as	binding post
	available	binding post/cables
different	bottom of	boarding ladder
during	by use of	
for use as	COMSEC	cable grip
have	connect	cable repeater
	connector	cables
insure	damaged	circuit breaker
into	deep	circuit lines
keep it	dig	circuits
	dirt	clip
located	disconnect	COMSEC
location	drive	configurations
lower		curbside wall
must be	easy	drop-insert
	access	erected
normally	extend	
one end of	facilities	field wire
other	hole	grounding
perform	horizontal position	ground red
	injury	ground strap
remain	install	installation
remove	located	intercom-phone
	locations	intercom-wires
shown	moist	interunit
task	necessary	
through	off position	loose loop
under	personal	patching facilities
	position	PCM cables
water	possibility	phone wires
weather	quick	power cable
within	reduce	power distribution
you	removal	radio cable conversation
	revert	RF cable
	system	radio terminal
	tailgate	radio terminal set
	tight	saturate
	top of	secure terminal
	units	signal entrance
	use of	sledge hammer
	vehicle (body)	strain relief eyes
		thumb screw
		video
		video patch panel

<u>GE</u>	<u>BT</u>	<u>Tech</u>
above	according to	AC circuits
all	adjust	AC power cord
appropriate	adjustments	AG gain
	aligning	align
before	apply	ANT connector
between	appropriate	AN/TRC-145 (v)
	assigned	apart
change	assistance	assemblage power (light)
check		avoid
completion	basic type	batteries
conditions	briefing	binding posts
		blowers
each	characteristics	buzzer off
	check out	
for	checks	
		cable (v)
give	deleted	cable connections
green	distant station	cable to radio
have		cable-up
	environment	call lamp
if necessary		CB-LB-CBS switch
individual	indicates	channel gain
		channel use
must	less than	correct indication
	lower left edge	
normally		disconnect
	markings	doubler
operate	maximum	driver
	meter	drop
perform	minimum	dummy lead
positions	mission operation	
provide		energize
	operate	erect
require	operator manual	
	powered	FDM plug
see	prepare	Filter connector
specified	program(v)	
system	pull out	goes out
	push in	grounded
task		
this	references	hand set
two	requirements	heaters
under	see	incoming calls
	steps	insert
weather	systems operation	inturn
		inter com receptacle
yellow	tactical	
	team chidf	loop back
	team member	loop back testing
	tests	loop test set
	TM's	
	tune for	master/slave switch
	type of operations	meter switch
		mid points
		made switch

Tech (con't)

monitor
mult
multiplexer
non secure system
Off/send switch
one at a time
order wire circuit
over load
over modulate
power
power cables
power distribution
power source
preliminary
preoperational
preset
program

quiet operation

radio terminal set
RCVR channel
RCVR signal
recable fro
receive control volume
recomment
REEL PWR
repeater operations
retuning
ring button
secure
secure operations
signal cables
signaling mode
system
systems operation

team task
terminal checkout
terminal lineup
test align meter
test cables
test tone
TIM IN/TIM out
transmitter

voltage checks

2W 4W switch

XMTR connector
XMTR PUPL
XMTR tune

113-31M-1033

Perform Operator's Daily Preventive maintenance
on Radio terminal set AN/TRC-145 (y)

<u>GE</u>	<u>BT</u>	<u>Tech</u>
accomplish	activity	AC volts
all		air filter
appropriate	broken down	AN/TR
around	brushes	apply power
articles	checks	assemblies
as soon as	ceiling	binding
as specified	cleanliness	blower covers
available	clearly	buzzers
	cloth	bypass/blackout switch
by following	complete	
	conditions	cable connectors
check	connections	cable ensulation
clean	corrections	cable power
cleanliness	covers	ceiling lights
conditions	cracks	circuit breaker
correct	cuts	compressed air
		connections
daily	deficiencies	cords
door	designated	
	document	DA Form 2404
if necessary		dials
inspect	exterior	
	external	entrance box
main group		exhaust
make sure	floors	
must		field telephone set
	garrison setting	free from
open	holes	fuses
perform	in accordance with	grounding
proper	instructions	
provide	interior	harnessess
put		installation
		knobs
record	leaks	
	loose	lamps
see	loose ground	lead connections
signs of		lint free
	make entries	
take		meter select
task	obstructed	
time limit	open seams	obstructed
together with	operation	operable
under	operator	operational checks
weather	outlined	order wire circuit
with		
within	preventive maintenance	plugs
		power cable
	refer to	power distribution
	report	power indicator
		prescribed
	seams	punctures
	services	
	short comings	racks
	steps	radio terminal set

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BT. con't

submit

tactical
team chief

tighten

TM's

tools

unused
walls

Tech

rating
receptacles
replace

safety equipment

shelter

signal cable

solution

storage compartment

switches

tighten

vent cover

wipe off
wires

<u>GE</u>	<u>BT</u>	<u>Tech</u>
all	activity	assemblages
below	authorize	bad cables
	1 AW	built-in alarms
clearly	categories	built-in meters
conditions	chart	
daily	check (v)	component
depending	checks	"corrective measures"
determine	corrective measure	
		isolate
each	defects	
	deficiencies	localize
function	document	loopback checks
given	faulty	measures
	found	meters
however	functions	
		precautionary
in	indications	prescribe
in order to	items	
		radio terminal set
must	known	replacements
normally	nature of	sectionalize
	note (v)	selector switches
or	observe	subcomponent
perform	obtained	submit
	operator	substitute
refer to		symptoms
repairs	preventive maintenance	
	procedure	troubleshoot
safety		
	record	
task	repair	
trouble	repairable	
	replace	
under	report	
using	required	
	responsibility	
vary		
	services	
weather	shown	
which	submit	
while	symbol	
work		
	take	
	team chief	
	time limit	
	TM's	
	tools	
	troubles	

AD-A121 069

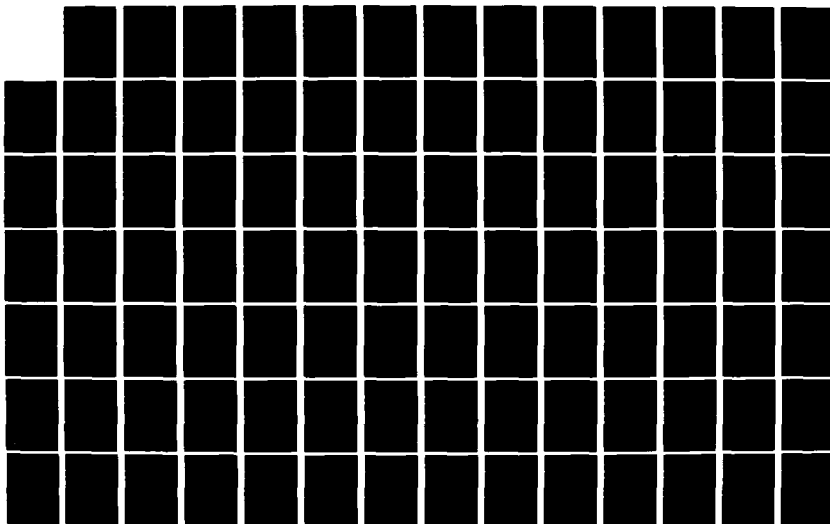
JOB LANGUAGE PERFORMANCE REQUIREMENTS FOR MOS 31H
MULTICHANNEL COMMUNICAT. (U) DEFENSE LANGUAGE INST
LACKLAND AFB TX ENGLISH LANGUAGE CENTER. 83 MAR 78

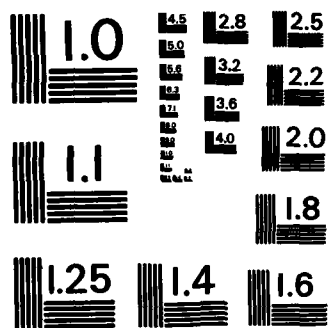
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UNCLASSIFIED

F/G 5/9

NL





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

113-31M-1034 Perform Equipment Serviceability Criteria for Radio Terminal Set AN/TRC-145(v)

<u>GE</u>	<u>BT</u>	<u>Tech</u>
accomplish	actual	air vent cover
all	additional	AN/TRC-145G
before	applied	appendix
by following	appropriate	assemblage
		audible
conditions	be sure	black out operation
	by following	blowers
each		bypass blackout
enter	checks	
following	determine	cable
		cable terminals
lowest	evaluated	channels
		check out
must	garrison setting	color rating
		component
perform	include	communicator check
proper	inspect	criteria (ESC)
provide with	item	
should		DA Form 2404
		DA PAM-30-7
task	listed	
	listing	distribution box
under	major group	equipment serviceability
	minimum of	ESC check
weather		evaluate
when	open	exhaust blower
within	operable	
		field wire
	particular	
	performed	heaters
	pertinent	
	preventive maintenance	indicators
	prior to	inspection
		inter communication
	rating	
	reccorded	lights
	reel of	listed
	referances	
	safety equipment	maintain
	selecting	modification work
	sepaeration	
	services	operation
	system	orders (MWO)
		overall
	tactical	
	team chief	portinent
	time limit	power distribution
	TM's	proper ringing
	tools	
	turns	radio sets
		radio terminals
	where	radio terminal set
		receiver

Tech

sine tone
step by step
telephone sets
transmitter

URGENT MWO's
vent wovers

WD-1TT

END OF
TRANSMISSION

95

113-31M-1026 Install Terminal Set, Telephone, AN/TCC-65

GE

accomplish
all
any
as indicated

behind
by use of

complete
conditions
connected

if necessary
include
install

maybe

perform
properly

several
some

task
under
use

weather

BT

allow

basic issue

cautions
chance
complete
containing
correspond to

equipment
extend
exterior wall
external

fixed location
fixed site

given
hold
horizontal

individual
introduction of
items

located

non-secure

obtain
off position
on the face of
aprt
performance measures
permit
positioned
provide

referenced
remain
represent
request

safety
secure
serial
number
shelter
similar to

team chief
TM's
tolls

Tech

adapter
AN/TCC-65
assemblages
associated with

binding post pairs
boarding ladder
braid lug
briefing

cable assembly
cable (26 pair)
circuit breaker
circuit lines
communications
COMSEC
configuration
copperwire (No. 14 AWG)
curbside

desired channel
disconnect

easy access

generator set
grip
grounding
guys

incorporate
inter-com phone
interconnect
installed
inter unit cables

local
low capacity

observe

patch panel
power cable
power distribution
procedures

rack system
receptacle
reconnect

screwing
shelter
strain relief eye
submitted
system application
system patching

96

Tech con't

tailgate

telephone

terminal set

twist

typical

utilization

video cables

113-3IM 1027
Operate Terminal set, Telephone
AN/TCC-65

GE

all
although
as determined by
as high as
before going

completed
conditions
determined by
distance of

front

if necessary
incorrect

low

make

nearest
next

observe
obtain
one at a time

perform
property

sure

task

under

vary

weather
within

yellow

BT

accomplish
actual length
adjust
application
as determined by
assistance
authorized

basic type

checkout
checks
complete
current

directed

electrocution
exhaust

field location
fixed site
goes out

head set
holding
in accordance with
incorrect
injury

non-secure

on the meter
operate
operation

perform
place
position ($\frac{1}{2}$ mile)
power supply
properly

reading
reasonably
references

set

team chidf
team task
TM's
tone
turn up

Tech

AC circuits
adjustments
AN/TCC-65
attended point

band
black out
blower cover
blowers
briefing
buzzer

cable length
cable link
cable power
cable terminal
CEOI item
checks
cold-start
configurations
corresponds to

electrocution
energize

florescent

generator
ground system

hair line
headset
installed

lights
loopback conditions

main power
mid range

order wire
over load

patch panel
PCM signal
power cables
preliminary
preoperational
preset
pressing
push button

telephone
terminal line-up

Tech con't

recable
recheck
ring
rough adjustment

signal cable
silence(v)
TD-204
TD-660
telephone
terminal line-up
terminal set
transmission

voltage checks
voltages

113-31M-1029 Perform Operator's Daily Preventive Maintenance on terminal Set,
~~113-31M-1029 Perform~~
 Telephone, AN/TCC-65

<u>GE</u>	<u>BT</u>	<u>Tech</u>
accomplish	appropriate	AC volts meter
conditions	as outlined in	air filters
daily	broken down	AN/TCC-65
follow	brushes	blowers
perform	ceiling	BYPASS/BLACKOUT
proper	cleaning solutions	components
provide	components	compressed air
same	correct	DA Form 2404
task	document	deficiencies
	exhaust	designated
	exterior	dials
		field telephone
under	floor	fuses
use		heaters
weather	garrison setting	
while	indications	in lieu of
within	instructions	inter-communication set
	interior	
	lint free cloth	knobs
	main groups	meter selector
	maintenance activity	operational check
	operational checks	order wire circuit
	operator	power distribution
	prescribed	power indicator
	preventive maintenance	racks
	record	sequence numbers
	safety equipment	short comings
	shelter	switches
	time limit	telephone
	TM's	terminal set
	tools	
	walls	
	wipe off	

700

113-31M-1028-Trouble shoot terminal set, telephone, AN/TCC-65

<u>GE</u>	<u>BT</u>	<u>Tech</u>
all	appropriate	AN/TCC-65
as required	authorizes	Assemblages
conditions	check	built-in alarms
depending on	checks	built-in meters
each	clearly	chart
	crew	corrective measures
given	discovered	
	document	DA form 2402
in order to		defective cables
	faulty	defects
normally	function	
note		isolate
perform	garrison setting	
provide	good ones	locate
		loopback check
responsibility	indications	
	involved	maintenance functions
take	known	major component
task	law	meters
		prescribes
under	nature of	
		reparable items
vary	operator	
		sectionalize
weather	preventive maintenance	selector switches
		sub-component
use	refer to	substitute
using	repair	suspected
	repairs	symptoms
	replace	
	replacements	telephone
	report	terminal set
		troubles
	safety equipment	trouble shoot
	schmit	trouble shooting activity
	services	
	specific	
	tactical	
	team chief	
	time factor	
	time limit	
	TM's	
	tools	
	troubles	
	trouble shooting	

GE

accomplish
all
as shown

below

conditions

during

if necessary
individual part

perform
properly
provide

remain

several
similar to
task

under

weather
within

BT

allow
appropriate
as directed
as directed by
assistance

boarding ladder
briefing

complete
connect
correspond with

easy access
equipment
exterior

field location
fixed site

horizontal position

installation
insure that

located on

measures

performance
positioned

represent

safety equipment
secure

team chief
TM's
tools
typical

utilization

vehicle tailgate

Tech

antenna
antenna cable
AN/TRC-113(v)

basic issue
binding posts

conversion
correspond with
curbside wall

erected

fieldwire WD-1
generator set
grounding

installed
inter unit cables
low capacity

patch cables
power cables
power entrance box

radio
radio-to-caboe
radio repeater (12-channel)
roadside wall
shelter assemblages
system requirments

video cable

113-31M-1018

Operate Repeater Set, Radio
REPEATER

AN/TRC-113 (V)

GE

act as
adjust
all
although
applied
appropriate

before

change
conditions
conduct

for

if necessary
individual
insure
in which

light

make use
normally

perform
primarily

requirements

task
under

weather

BT

additional
assistance

basic issue
briefing

caution
characteristics
check out
checks
connect

employed

given

install
installation

minimum

one at a time
operate

performance measures
power cord
power source
prepare
preset
procedures

receiver

set
so as not to
such as
system
systems line up

tactical environment
team chief
team member
team task
tests

Tech

AC circuits
aligned
alignment
AN/GRC-103 (v)
antenna erected
AN/TRC-113 (v)
assemblage

back-to-back
batteries
binding post
blowers

cable link
channel (2)
connected
control volume
conversion
conversion system

drop
dummy load

energize
grounded

heater

incoming calls
intercom receptacle

loopback testing
LS-147

mid point
multiplexers
noise measurements

order wire o/w
overload
POM signals
positioned
power
power (115 volts)
power glow lamp
preoperational

radio repeater set
retuning
ringing equipment
signal cables
systems lineup

TA-312/PT
TD-204/U

103

Tech con't

TD-754/G

telephone terminal

terminal applications

terminal lineup

test cables

voltage checks

113-31M-1020

Perform Operator's Daily Preventive Maintenance on Repeater Set, Radio
AN/TRC-113 (v)

<u>GE</u>	<u>BT</u>	<u>Tech</u>
all	broken down	accessories
clean	brushes	air filters
conditions	clearly	AN/GRC-103 (v)
differences	compressed air	AN/TRC-113 (v)
equipment	correct	bypass/blackout
must	differences	CV/1548/G
perform	garrison setting	DA Form 2404
provide	interior	deficiencies
same	lint free cloth	dials
take	main groups	distribution panel
task	maintenance activity	exhaust blowers
under	operational checks	fuses
weather	operator	indicator
within	outlined	knubs
	precautionary	lay out
	preventive maintenance	LS/147C/FI
	record	major components
	safety equipment	radio
	shelter exterior	repeater set
	tactical	short comings
	time limit	signal entrance boxes
	TM's	switches
	tools	TA/312/PT
		TD-204/U
		TD-754/G
		volts (AC)

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113-31M-1019
 Troubleshoot Repeater Set, Radio
 AN/TRC-113 (v)

GE

accomplish
 all
 appropriate
 authorize

below

clearly
 conditions

depending on
 discover
 during

given

however

in order to
 involved

nature of
 normally

perform
 provided

require

take
 task

under

vary

weather

BT

categories
 chart
 check
 checks

defects
 deficiencies
 determine
 document

faulty
 functions

garrison setting
 good ones

indications

known

law

maintenance

nature of

observe
 operator

preventive
 procedure

refer to
 repair
 repairable
 replace
 responsibility
 report

safety equipment
 services
 specific
 submit
 symbol

tactical
 team chief
 time factor
 TM's
 tools
 troubles

use

Tech

AN/TRC-113 (v)
 assemblages

built-in-alarms
 built-in-meters

corrective

DA Form 2402
 defective cables
 document

isolate

locate
 loopback checks

meters

radio
 repeater set

sectionalize
 selector switches
 sub-component
 substitute
 symptoms

troubles
 trouble shoot

186

GE

accomplish
 all
 around
 as close to-as possible

 before
 between

 clear
 complete
 conditions
 connect

 direction
 dirt

 exceed

 firm

 gas
 give

 hour

 is greater than

 keep

 minimum

 oil

 part of
 perform

 reduce
 remove

 task

 under
 until

 water
 weather

BT

affected
 allow
 angle (45 degree)
 area
 auxiliary

 basic issue
 bolt
 bottom of

 chief
 clearing
 CLOSET *
 corrected

 debris
 deep
 degrees
 deficiencies
 dig
 dirt
 drive

 end
 external

 FM's
 fire
 firm
 free of

 garrison environment
 gas
 ground

 hole

 individual
 injury
 install
 insure
 items

 level
 log books
 LO's
 lugs

 make note
 minimize
 moist

 obstructions

TECH

circuit breakers
 convenience outlets

 DA Form 2404
 deficiencies
 drainage

 fuel source

 generator set
 grounding (strap)
 ground rod
 ground terminal

 interconnection
 irregularities

 lead (black)
 lead (green)
 lead (white)
 load switch
 load terminals

 MEP-015A (1.5KW)

 overflow

 pallet assembly
 PCM terminal
 positioning
 power
 power cable
 power connections

 run-off

 saturate
 sitting
 sledge hammer
 stoned position
 switch box

 VAC (120)
 voltage change
 voltage drop

GE

BT

TECH

oil
operator
over heating

part
personnel

quick

recorded
references
relatively
removal
report
reported
rocks

safety equipment
select
selected site
set
short comings
size
sufficiently

tactical
thumbscrew
tight
tilt
TM's
top of
tripping
truck ($\frac{1}{4}$ ton)

uncorrected

working

GE

after
all

complete
conditions

frequently

if necessary
immediately
include
in use

normally

operation

perform
period of

should
similar
somewhat

task
through
time limit

under

weather

BT

adjust
assistance

basic issue
bottom
briefing

cautions
change over
checks
continue
external

field location
filled
fixed
follow

insure
item

LO's
log book
lower than
operate

placing
point of
position
prepare
preventive maintenance
power

refer to

safety equipment
services

team chief
TM's
turning

unit

Tech

after
appropriate
assemblage
auxillary

before-operation

carburator control
choke lever
circuit
correspond to
control knob

daily noted entry
DA form 2404
during-operation
engine starting
extended

fault noted entry
figure
fuel line
fuel pump
fuel valve

generator set
grounding

load connections
multi channel

oil level
on-set tank
out put voltage

pallet assembly
procedures

starting
switchbox

VAC (170)

113-31M-1004

Perform Operator's Daily Preventive Maintenance on Generator set, 1.5kw
MEP-015A

GE

adequate
appropriate
as soon as
as specified by

both

complete
completion
conditions

dirt
discovered
during

entire

fill

if necessary
immediately

most
must

perform
provide

remove

see
stop
such as
twsk
together with

under
unit

water
weather
weekly
within

BT

area
auxiliary
available

bends
broken

chipped paint
cleanliness
clean rags
correct
corrective action
correct operation
cracks

damage
deficiencies
dirt
document

engine
entries
environment

frequency
FM's

garrison

inspect

law
log books
loose
LO's
lubrication

materials
missing
moisture

normal
noted

obvious
oil leaks
oily deposits

parts
preventive maintenance

Tech

air cleaner

ceased
controls

DA Form 2404

fan cover
frame
fuel filter
fuel strainer
fuel supply
fuel tanks

instruments

lines
louvers
lubricating
MEP-015A (1.5kw)
mountings

oil level

power generator set

BT (con't)

readings
record
references
report

safety equipment
secure
service
serviceable
short comings
soft cloth
submit
supervisor
surrounding

tactical
time limit
tm's
tools
unit

voltmeter

113-31M-1003 Trouble Shoot Generator Set, 1.5KW MEP-015A

<u>GE</u>	<u>BT</u>	<u>TECH</u>
accomplish	action	air leak
change	allow	attained
clean	auxiliary	
conditions		circuit breaker
	be sure	
daily	beyond	DA Form 2404
determine		
	careful	expansion
given	cause of	
	caution	fuel filter
higher	check	fuel hose
	complete	fuel level
	correct	fuel tank
large	corrective measures	
listed		instruction plate
located	defects	
longer	depending on	load lines
		load switch
most	fails	localize
	fill	
only		malfunction
	garrison setting	MEP-015A 1.5KW
perform	ground	MEP-025A
place		
position	initially	output voltage
problem		
provide	labeled	power generator set
	level	
table (chart)	loose	radio interference
task	LO's	
tightened		sectionalize
top	nature of	selector valve
turn	normal	
	noted	total load
under		trouble shooting
use	observe	
	operator	variable resistor
weather		visual inspection
	preventive maintenance	voltmeter
	recognize	
	record	
	reduce	
	references	
	refer to	
	repair	
	replace	
	report	
	requires	
	safety equipment	
	safety precautions	
	scope	
	securely	
	service	
	submit	

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GE

BT

TECH

table
tactical
team chief
tighten
TM's
tools

visually

113-31M-1013
Install Radio Terminal Set
AN/ MRC-115 (v)

GE

accomplish
all

complete
conditions

end

include
individual

near
part of
performed
position

required

select
similar to

task

under
use

weather

BT

as directed
as directed by
assistance

between
briefing

cable
caution
connect
connections

fixed location
fixed site

grip

installation

location

non-secure

perform
performance measures
permit
positions
provide

referenced
safety equipment
shown

tarpaulin
team chief
TM's
tools
trailer

Tech

adapter
AN/MRC-115 (v)
antenna
antenna cables

cables/binding post
cable grip
channel 6/12

erected

generator set
grounding procedures
ground termance

inter unit cables

loose loop
low capacity
PCM terminal
power cables

radio receiver
radio repeater
radio terminal set
reinstalled
RF receptacle

shelter assemblage
signal cables

113-31M-1014 Operate Radio Terminal Set, AN/MRC-115 (v)

<u>GE</u>	<u>BT</u>	<u>Tech</u>
after	additional	AC circuits
all	adjustments	aligned (-ment)
amounts of	appropriate	AN/GRC-103(v)
	assistance	AN/MRC-115(v)
basic type	available	AN/MRC-127
		antenna
change	briefing	assemblage
completed		
conditions	cable	batteries
	caution	binding posts
different	checks	
		channel 6/12
going	if required	CU-1548/G
	install	CU-1548A/G
however	internal	
		dummy load
if necessary	major	
	make use of	energize
manual	mission	erected
minimum		
	non secure system	grounded
need		
	operate	lighting
perform		loop back
prepare	placement	loopback testing
	program	
require		multiplexer
	radio	
see	reference	positioned
steps		power cable
	tactical environment	power source
task	team chief	
	team member	preoperational
under	tests	
	TM's	radio terminal set
weather		repeater operations
		returning
		signal cable
		systems lineup
		TA-312/PT
		TD-660/G
		TD-660A/G
		terminal check out
		terminal lineup
		test cables
		VAC (115)

115

113-31M 1016 Perform Operator's Preventive Maintenance on Radio terminal set
AN/MRC-115 (v)

GE

accomplish
all
around

check
clearly
completed
conditions
correct
covered

discover
during

if necessary
in order to
in way of

keep

make certain
manner

normally

operable
operate
provided
remove

see
task

under
unused
upon

weather
weekly

BT

an authorized
apply
appropriate
area
as outlined in
as specified by
brushes

checks
clean
components
compressed air
correct
corrective action

daily
damage
deficiencies
designated
during

exterior
external
indicates
inter connecting
interior
internal
lint free cloth
loose

make sure

open seams
operator

positions
preventive maintenance
prior to

receptacle
record
refer to
replacing
report

safety equipment
secure
secureness
services
short comings
site
state of
submit

take
tarpaulin

Tech

air filters
AN/MRC-115 (v)
assemblage

binding
binding post
buzzers

cable connection
compressed air
connectors
cover

DA Form 2404
dials
distribution panel

entrance box

field telephone set
field wire
fuses

grounding

indication lamps
installed

kinks
knobs

lamps
lead connections
loose ground

meter indications

order wire circuit
pair cable
plugs
power cables
proper rating

radio terminal set
racks
receptacles
selector
sequence
shelter
signal cables
storage compartments
strain
switches

16

BT con't

team chief
tighten
time limit
together with
ton's
tools

while
wipe off

113-31M-1015 Trouble shoot Radio Terminal Set, AN/MRC-115 (v)

<u>GE</u>	<u>BT</u>	<u>TECH</u>
accomplish	authorize	alarms
all	IAW	AN/MRC-115 (v)
		assemblage
before	categories	
	chart	built-in meters
conditions	check (v)	-
	checks (n)	defective cables
daily	clearly	
depending on	column	isolate
	component	
found	corrective measures	localize
		loopback checks
given	defects	
good ones	deficiencies	radio terminal set
	determine	
however	document	sectionalize
		selector switches
in order to	faulty	sub-component
	function	symptoms
major		
must	garrison setting	
nature of	known	
note		
	noted	
provide		
	observe	
should		
	preventive maintenance	
taken		
task	record	
	refer to	
under	repair	
using	repairable	
	replace	
vary	report	
weather	safety equipment	
while	services	
within	specific	
work	symbol	
	submit	
	substitute	
	suspected	
	tactical	
	team chief	
	time factor	
	time limit	
	TM's	
	tools	
	troubles	
	trouble shoot	
	-	
	use	

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<u>GE</u>	<u>BT</u>	<u>Tech</u>
accomplish	as directed	antenna
all	as directed by	assemblages
	assistance	
below		cable (26 pair)
between	briefing	cable grip
		cables/binding post
complete	cable	channel (6-12)
conditions	caution	connector
equipment	field location	equipment rack
	fixed site	erected
follow		
	grip	generator set
if necessary		grounding
include	install	ground terminal
individual	installation	
	issued	installed
location		interunit cables
	non-secure	
hear		loose loop
	operation	low capacity
part of		
perform	performance measures	PCM repeater
properly	permit	PCM terminal
	position	power cables
require		procedures
	safety equipment	
select	secure	radio repeater
several	set	radio terminal
similiar to	shown	radio terminal set
	switch	reinstalled
task		RF receptacle
	tarpaulin	
under	team chief	shelter
	TM's	signal cables
weather	tools	
within	top center	
	trailer	

113-31M 1023
Operate Radio Terminal Set
AN/MRC-127

GE

additional
adjustment
all
apply

basic

change
conditions

different

equipment

however

identical
individual
if necessary
if required

major
make

need
normally

one at a time
operate

perform
prepare

see
so as no to
system
type of

under

BT

aligning
amount
appropriate
assistance

briefing

caution
characteristics
checks
components

environment

installation
internal placement

law

minimum
mission

non-secure

operate

tactical
team chief
team member
terminal checkout
tests

Tech

AC circuits
aligned
AN/GRC-103 (v)
AN/MRC-127

antenna
assemblage

batteries
binding posts
blowers

cable-up
channel (6-12)
CV-1548A/6
CV-1548/6

dummy load

energize
erected

grounded

heater

lighting
loop back
loopback testing

multiplexer

overload

positions
power cables
power source
preoperations

radio terminal set
repeater operations
returning

signal cables

TA-312/PT
TD-660A/G
TD-660/G
terminal line-up
test cables

VAC (115)

113-31M-1025 Perform Operator's Daily Preventive Maintenance on Radio Terminal Set, AN/MRC-127

<u>GE-</u>	<u>BT</u>	<u>Tech</u>
accomplish	activity	AC volts
all	area	air filters
also	articles	AN/GRC-103 (v)
appropriate		AN/MRC-127
around	brushes	
as soon as		binding
as specified by	caution	binding posts
as outlined	checks	buzzers
	cleanliness	
check	compressed air	cable (26 pair)
clean	connections	connectors
clearly	correct (v)	
conditions	corrections	DA Form 2404
	corrective action	
during	cover (v)	entrance box
	covers (n)	exhaust blower
ended		
	damage	field telephone set
follow	deficiencies	field wire
following	designated	fuses
	dials	
if necessary	document	grounding system
indicates		
in order to	external	heater
inspect	exterior	
in way of		installed
	free from	interconnecting
keep		
	garrison setting	kinks
listed		
	in accordance with	lamps
manner	insure	lead connections
	interior	loose ground
	internal	
prior to		main circuit breaker
provide	kinks	meter indications
remove	knobs	meter select
see	lint free cloth	orderwire select
	loose	operable
task		
together with	make certain	plugs
	make sure	power cables
		power cables
under	noted	power distribution band
unused		proper rating
	open seams	
weather		radio terminal set
within	precautionary	receptacles
	preventive maintenance	
	prior to	shelter
	rack	signal cables
	record (v)	storage compartments
	refer to	strain
	replace	tighten
	report	
	safety equipment	

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BT con't

secure
securness
services
short comings
site
state of
strain
submit
switches

tactical
taken
tarpaulin
team chief
tears
time limit
TM's
tools

unauthorized

vehicles

weekly
wipe
wire

113-31M-1024 Trouble Shoot Radio Terminal Set, AN/MRC-127

<u>GE</u>	<u>BT</u>	<u>TECH</u>
accomplish	activity	alarms
all	assemblage	AN/MRC-127
as required	authorize	assemblage
	law	
below		built-in meters
conditions	categories	
	chart	DA Form 2404
depending on	check	defective cables
during	checks	
	column	isolate
equipment	corrective measures	
however	daily	radio terminal set
	defects	repairable
in order to	determine	
	discovered	sectionalize
must		selector switch
	faulty	sub-component
nature of	found	substitute
		symptoms
perform	garrison setting	
provide	given	trouble shooting
	good ones	
refer to	indications	
	items	
take		
task	known	
under	major	
use	measures	
vary	note	
weather		
while	observe	
within		
	precautionary	
	prescribe	
	preventive maintenance	
	record	
	repair	
	replace	
	report	
	safety equipment	
	services	
	specific	
	submit	
	suspected	

BT

symbol

tactical

taken

team chief

time factor

time limit

TM's

tools

113-31M-1009 Install Generator Set, 5KW PU-618/M

<u>GE</u>	<u>BT</u>	<u>TECH</u>
accomplish	adjust	AUX fuel hose
all	air circulation	
assemble	approximately	
at all times	area	blocked
	assistance	cumbersome
box		
	basic issue	front support wheel
collect	block (v)	fuel hose
conditions	brakes	fuel transfer switch
	bridging	
direction		generator set
during	cause	grounding
	clean	ground rod
heavy	contact	ground wire lead
if necessary	copperwire	
important		installation
individual	defects	
	degrees (15)	leg props
level	dig out	leveling
		load cables
newer	electrical	load lines
	electrocution	
perform	exceed	mounted
place		
	field location	POL location
set up	fire extinguishers	power (5KW)
should	fire point	PU-618/M
	fixed site	
task	FM's	rear leg support
undet	free circulation	road wheels
until		
	hardware	splash shield
water		
weather	inadequate	terminal studs
within	install	transfer box
	installation	transfer switch
	internal	
		wire clamps
	length	wire lead
	level surface	
	level trailer	
	locate	
	log book	
	loose items	
	LO's	
	major	
	missing	
	prevent	
	roll	
	roll up	

BT
safety equipment
secure
set

tarpaulin
team chief
tilt
time
limit
TM's
tools
trailer

underneath

ventilation

wheels

113-31M-1010 Operate Generator Set 5kw
 PU-618/M

<u>GE</u>	<u>BT</u>	<u>Tech</u>
accomplish	appropriate	after-operation
adjust	approximately	air cleaner
after	assistance	allow
air		ambient temperature
all	basic issue	ammeter phase
allow	build up	
apply		baffle rod
as necessary	caution	before-operation
at the same time	colorless gas	
available	connecting	carbon monoxide
avoid	contact	circuit breaker
	correspond to	choke control
before		configuration
	devices	crank
care		current meter
change over	emergency	
check	enclosed spa	DA Form 2404
conditions	engine	depress
contain	entry	dire
continue	exercise	during-operation
correspond to		
	field location	electrocution
daily	fixed site	engage
damage	FM's	entangled
death	free circulation	exhaust gases
depending on		extended
due to	gas	
		fault noted entry
frequently	installed	field flash switch
give	insure	flange
gradually	items	fuel hose
		fuel selector valve
have	leveling	
hold	log book	generator set
	LO's	governor control
if necessary		grounded
include	manual	
immediately	momentarily	idle position
	moving parts	intake shutter
make certain		
more than	odorless	load cables
	oil	load requirements
normally	operate	local mode
	operating pressure	
observe	operational procedures	manifold
only	placed	momentarily
outside	point of	monitor
	poisonous	muffler
perform	preventive maintenance	multi channel shelter
period	property	
place	reading (6042)	oil pan
power	readjust	oil pressure
prepare	refer to	oil pressure
prevent	required	
proper		phase
provide		piped

GE con't

pull
push
puts

quick

jam on

reaches

reads

repeat

result

safety

select

task

turning

under

unless

until

warm up

weather

while

within

BT con't

safety equipment

set

speed

starting

steady motion

supervision

team

time limit

TM's

tools

trailer

unit

Tech con't

preset controls

reduce load

relay function

remote-local

run-stop

selector switch

starter rope

transfer box

voltage output

warm up

wrap

113-31M-1012

Perform Operator's Daily Preventive Maintenance on Generator Set, 5kw PU-618/M

<u>GE</u>	<u>BT</u>	<u>Tech</u>
accomplish	accessory items	on back →
add	appropriate	
allow	as specified by	
also		
applicable	brackets	
as soon as	broken	
both	cable reels	
cells	caution	
conditions	ceased	
during	checks	
fill	cleanliness	
if necessary	clean rags	
if required	correct	
in use	corrective action	
most	cracks	
not to exceed	defective	
perform	deficiencies	
prior to	determine	
provide	dirt	
read	document	
should	entire	
such as	environment	
taken	FM's	
task	fuel	
together	garrison	
under	good ones	
weather	holders	
where	insecure	
within	inspect	
	install	
	installed	
	law	
	leaks	
	log prop	
	loose	
	Lo's	
	lubricating materials	
	missing	
	model 103-A3	
	normal	
	noted	
	observe	
	obvious	
	oil leaks	

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BT (cont)

plus side

racks
record
references
remove
replace
report
roof bows

safety equipment
sediment
serviceable
services

short comings
submit

tactical
tarpaulin
team chief
tighten
time limit
TM's
tools

unit

water
weekly
wheel cargo trailer
(1½ to 2 ton)

Tech

air cleaner filter
ammeter

battery and cables

cells
controls
correct grade
corrosion

DA Form 2404

electrical system
electrocution
element
exhaust system

fuel filter
fuel supply
fuse holder
fuses

gage readings
generator set
ground rod
ground terminal

indicator
instruments
mounting

oil filter
oil leaks
oil level grade

restriction

severe shocks
shut down

<u>GE</u>	<u>BT</u>	<u>TECH</u>
accomplish	appropriate	DA Form 2404
any		
available	checking out	encounter
	complete	
beyond	corrective action	generator set
cause of	garrison	localize
complete		
conditions	LO's	malfunctions
daily	malfunction	operational tests
depending on		
during	noted	PU-618/M
follow	observe	sectionalize
	operator	
given	organizational level	visual inspection
	outlined	
informs		
	preventive maintenance	
most	problem area	
must		
nature of	record	
normally	references	
	refer to	
perform	responsibility	
power		
prior to	safety equipment	
provide	safety precautions	
	scope of	
recognize	setting	
request	subject	
thorough	tactical	
	taken	
under	team chief	
upon	TM's	
	tools	
weather	trouble shoot	
while		

113-31M-1056 Install Radio Terminal Set
AN/TRC-117(v)

GE

above
accomplish
all
allow
along with
another
as directed
attach

be careful
becomes
before
both sides of

carry
conditions
current

damage
damaged
during

easier
end of
exceed

for use as

if necessary
individual

keep it

located
loss of
lower

must

normally

part of
perform
property

require

same
signal
small

task
through

BT

AC power
additional
a loss of
angle (45 degree)
appear
apply
approximately
as appropriate
as directed
assistance

basic issue
bends
between
briefing

caution
common
corresponding
cover

damp
deep
desired
disconnect
dotted lines

end

fixed location
fixed site
free end

ground
grounding
ground rod

heavy line
hole

if required
interfere
issued to
items

kinks

lift
located
loosen
low

make sure
moist
movement

Tech

adapter box
amperes (60)
antenna
antennas
AN/TRC-117(v)
assemblage
attach

binding post/cables

cable grip
cable support eye
channel (12 + 24)
circuit breaker
configuration
connector end
cord plug
cross threaded
current drain

entrance box
entrance door
erected

field wire

generator set
ground site
ground strap

installed
intercom jack
intercom-phone
inter unit

lean (hot), (neutral)
local communications

patch cable
PCM landline
PCM + TIM cable
phone cord
power
power cable
power distribution panel
power duct
power + signal

radio terminal set
receptacle
RF power

secure equipment
signal cables
signal circuits 132

GE (con't)

under
until

water
way
weather
while
within

BT

non-secure

open position
operation
other end

peculiar to
personnel
positioned
preliminary stage

rating
reconnect
remain
remove
result in

safety equipment
saturate
secure
secure circuits
secure equipment
security violation
select
selected
shown by
site
sledge hammer
storage compartment
supplied
supply

tolls
top of
TM

Tech

special purpose cables
strain-relief
systems line up

voltage regulator

<u>GE</u>	<u>BT</u>	<u>Tech</u>
above	add to	AC circuits
add to	adjustments	actual assigned
associated	align	AFC correction
at no time	allow	AFC meter
available	appropriate	AG control
	as appropriate	alarm ADJ
basic type	assigned	alarm ADJ control
by this time	assistance	aligning
	at this time	amp
change	1 AW	amp control
conditions	batteries	amplifier Oscillator
control	bottom half of	AN/GRC-50
	buzzer	attempting
each		
frame	cause	blackout/bypass
	check	
if necessary	clockwise	cable characteristics
indicates	connect	cable to radio
in order to	contains	channel (12)
	corresponding to	channel (24-48)
left		channel (500 & 620)
	depress	CN-514
move		cold start
must	environment	connect video
		control (5A3 CL)
normally	grounded	conversion
		converter
positioned	heard	coupling
possible	higher than	CV-1548
properly	if possible	
provide	indicate	dial
	individual	disable
right	installation	distant (terminal)
		divisions
see	lowering	drop and inser
	lower number	B/I (operations)
task	lower than	
type of		eliminate
	mission	energize
under		equipment racks
until	no more than	erated
used	non-secure system	
weather	orderwire (ow)	flourescent lights
		frequency loopback
	physically	hairline
	power	hi-band
	preliminary	
	prepare	incandescent
	preset	intercom
	proper	
	proper volume	lit
		lock on
	racks	loopback
	raising	low band
	readings	LS-147
	readjust	
		main distribution
		maintaine 1

BT con't

references
~~remains~~
~~repeat~~
rotate

satisfactory
secure
slightly
steps
supervision
supplied

tactical
team chief
TM's
turn on
type
type of line

warm up time

Tech con't

vertical up
voltage regulator
volt reg
volts

warm-up
watts (5)
wave meter chart
wave meter control

Tech con't

main tune control
main tune frequency
manual/automatic
mid position
mixer control
multimeter
multiplexer

note

order wire
OSC
out of order
output voltage meter
over voltage

PCM cables
peak meter
pear (v)
power distribution
power hum
power out control
precisely
preset
protective device
PWR OUT

rack (front)
rack (roadside)
radio link
radio terminal s.
radio XMITR
raise/lower
readjust
receiver controls
receiver (R-1331)
REC-SIG/position
regulated
repeater operations

screwdriver ADJ
serv fac
serv sel
signal cables
single-stack image
squench
system (1&2)
system alignment

TA 312
TD-202
TD-352
telephone
terminal linup
test align
test tone
transmitter controls
transmitter frequency
trunk
tune it
tune/odd/even

113-31M-1059 Perform Operator's Daily Preventive Maintenance On Radio Terminal Set
AN/TRC-117 (v)

<u>GE</u>	<u>BT</u>	<u>TECH</u>
all	activity	AC amperes
apply	appropriate	AC bolts meter
around		air filter
articles	broken down	AN/TRC-117 (v)
as soon as	brushes	assemblies
available		assigned frequencies
	ceiling	
completed	cleaning solution	binding (external)
conditions	clearness	binding (internal)
	communication	BYPASS/BLACKOUT
damage	compartments	
door	components	cable insulation
during	compressed air	ceiling lights
	cords	CN-514/GRC
ended	correct	connectors
	cracks	covers
if necessary	cute	
inspect for		DA Form 2404
	defects	distant terminal
make	deficiencies	distribution panel
must	device	
	discovered	
open	document	entrance boxes
		(antenna)
remove	external	(power)
		(signal)
signs of	facilities	(video)
	floor	exhaust blower
take		
together with	garrison setting	fuses
	slows	
under		grounding system
unused	harnesses	
use	heaters	lead connections
	holes	light (v)
weather		
where possible	indicates	neon light
while	installation	
within		order wire circuits
	lint free cloth	over voltage
	local	
	loose ground	PCM components
		plugs
	main groups	
	make sure	radio terminal set
	measures	receptacles
	noted	tune
	obstructed	vent cover
	open seams	voltage regulator
	operate	
	operational	
	operators	

GE

BT

TECH

plugs
precautionary
prescribed
preventive maintenance
proper
proper rating
put

record
release
report

safety equipment
shelter (exterior)
shelter (interior)
short comings
signs of leaks
skin punctures
state of
storage
submit

tactical
team chief
tighten
time limit
TM's
tools

unauthorized

walls
wipe off
wires

GE

accomplish
all
below
conditions
daily
depending on
each
found
given
however
in order to
involved
must
nature of
normally
perform
provide
specific
take
taken
task
troubles
under
weather
while
with in

BT

activity
appropriate
as required
authorize
categories
check
clearly
corrective measure
defects
deficiencies
designates
determine
document
faulty
functions
garrison setting
good ones
indications
items
known
law
note
noted
observe
operate
operator's
precautionary
prescribe
preventive maintenance
refer to
repair
repairable
replace
replacement
report
responsibility
safety equipment
services
shelter facilities
submit
suspected
symbol
tactical

Tech

AN/TRC-117 (v)
assemblages
built-in-alarms
built in-test meter
DA Form 2404
defective cable
isolate
localize
loopback checks
major component
meters
radio terminal set
sectionalize
selector switches
sub-component
substitute
symptoms

BT con't

team chief
time factor

TM's
tools

113-31M-1060 Perform Equipment Serviceability Criteria For Radio Terminal Set
AN/TRC-117 (v)

<u>GE</u>	<u>BT</u>	<u>TECH</u>
accomplish	actual	adapter
all		air vent cover
appropriate	checks	AN/Trc-117 (v)
		assimblage
before	evaluate	
	evaluation tests	blackout operation
cause		blowers
check	garrison setting	
conditions		cable assembly
	inspection	cable checks
each		channel (12)
enter	listed	color rating
evaluated	listing	communications check
following	note	DA Form 2404
		DA PAM 310-7
lowest	operation	
	outlined	equipment serviceability
open		exhaust blower
	particular	
perform	pertinent	field wire
prior	proper	
proper		gain adjustment
provided	record	
	reel	heaters
task	refer to	
		intercommunications
under	safety equipment	intercommunitations set
	services	
weather	step-by-step	lighting
when	stopping	
while		major groups
within	tactical	modification work orders (M
	time limit	
	TM's	overload
	tools	
		power
		presets distribution
		rack equipment
		radio frequency
		radio terminal set
		reel
		regulate
		system (1)
		system (2)
		telephone sets
		TM-11-5895-366-ESC
		transmission cable
		tune radio
		urgent

140

GE

accomplish
 all
 allow
 as directed

 below
 between
 by use of

 complete
 conditions
 connect

 hold

 if necessary
 include
 individual

 located

 manner

 observe
 obtain

 part of
 perform
 provide

 several
 similar to
 some

 task

 under

 weather
 within

BT

assistance
 associated with

 basic issue
 boarding ladder
 briefing

 cautions
 connect
 connections
 copper wire (14 AW 6)
 correspond to
 correspond with

 determined by
 disconnect
 drop

 easy access
 extend
 external

 field location
 field site
 fragile

 grip

 horizontal position

 insert
 install
 insure that
 interior
 in use
 items

 marking
 medium capacity

 non-secure

 operate
 otherwise

 permit
 positioned
 properly

 referenced task
 remain
 represent

 safety equipment

TECH

adapter
 AN/TCC-61

 binding post/cables
 braid lug

 cable assembly
 cable (CX-4245)
 cable repeater
 COMSEC
 curbside

 DA Form 2404

 entrance box (video)
 equipment circuit breaker

 fieldwire (WD-1)

 generator set
 grounding
 ground terminal
 guys

 installed
 intercon-phone cable
 interunit cables

 local communication circuit
 loose loop

 power cable
 power distribution
 power distribution panel

 roadside

 shelter assembly
 strain relief eye
 system application

 telephone circuit lines
 telephone terminal set
 twist

GE

BT

TECH

screwing
secure
shelter
shown
specified
system

video

team chief
thin
TM's
tools
typical

unless
utilization

vehicle tailgate

cc/v

AC circuits
AG control
AN/TCC-61

blackout
blowers
buzzer

cable link
cable power
cables (power)
 (signal)
call lamp
cold start
CRL control

electrocution
energize

flourescent

hairline
heaters
high voltage

jacks

loopback

main power
manned point
meter select
miles switches

order wire
OSC adjust

patch cable
PCM in
PCM out
preset
preset changes

recable

SER SEL
systems line up
systems operation

telephone terminal set
terminal lineup
test AUGN
timing in
timing out
tone
transmission (cable lin
transmission line
voltage regulation

113-31M-1043- Perform Operator's Daily Preventive Maintenance On Terminal Set,
Telephone

AN/TCC-61

GE

accomplish
all
appropriate
as follows

clean
complete
conditions

figures
follow

less

outlined in

perform
provided

same as

task
those

under

weather
within

BT

broken down
brushes

cleaning solution
compressed air
correct

deficiencies
designated

exception

front view

garrison setting

identical

lint free cloth

main groups

operational
operators

preventive maintenance

record
right hand side

safety equipment
shelter { components }
 { exterior }
 { inferior }

short comings

tactical
time limit
TM's
tools

Tech

AN/TCC-61

bridle rings

curbside

DA Form 2404

mirror image

power distribution panel
power entrance box

roadside

signal entrance panel
strips

telephone terminal set

GE

accomplish
all
as required

below

conditions

daily
depending on

each

given

in order to

making
must

normally
note

operate

perform
provided

refer to

take
task

under
use
using

vary

weather
which
while

BT

activity
appropriate
authorizes
1 AW

by using

categories
chart
check
checks
clearly
column
components
corrective measure

deficiencies
designates
determine
document

facilities
faulty
found
functions

garrison selling
goodcoones

indications
items

known

locate

major component
measures

observe
operators

precautionary
prescribe
preventive maintenance
procedure

record
repair
repairable
repairs
replace
replacements
report
responsibility

Tech

AN/TCC-61
assemblages

built-in-alarms
built-in-meters
built-in-test meters

corrective measures

DA Forms 2404
defects
defective cables

isolate

localize
loopback checks

sectionalize
selector switches
sub-component
substitute
symptoms

telephone terminal set
troubles
troubleshooting

BT con't

safety equipment
services
shelter
shown
specific
submit
suspected
symbol

tactical
team chief
test equipment
time factor
time limit
TM's
tools
troubleshoot

GE

accomplish
all
allow
any
as directed

below
between

conditions

determined
during

end

have
hold

if necessary
include
individual
items
in use

observe

part of
perform
properly
provide

required

several

task

under
utilization

weather
with
within

BT

along with
as directed
assistance

basic issue
between
boarding ladder
briefing
by use of

caution
connect
correspond to
correspond with

disconnect

easy access
equipment
external

fixed location
fixed site
fragile

horizontal position

indicates
install
interior
issued to

located

obtain
operate
otherwise

performance measures
permit
positioned

referenced task
remain
represent
required

safety equipment
screwing
secure
shelter
similar to
special purpose
specified
such a manner

Tech

adapter
AN/TCC-60
AN/TCC-69
associated with

binding post
binding post/cables
braid lug

cable (26 pair)
cable assembly
cable grip
cable repeater
circuit breaker
COMSEC equipment

desired channel
drop (12 channel)

extend

field wire

generator set
grip
ground terminal
guys

insert operations
install
installed
intercom-phone
interunit cables

local communications
loose loop

medium capacity

power cable
power distribution panel

receptacle

shelter
shelter assembly
signal entrance box
strain relief eye
system application

telephone circuit 1:
telephone circuit lines
telephone terminal set

video cables
video entrance box 14

BT con't

team chief

thin

TM's

tools

twist

unless

vehicle tailgate

<u>GE</u>	<u>BT</u>	<u>Tech</u>
about	adjustments	AC circuits
accidental	alignment	AG control
accomplish	appropriate	AN/TCC-60
adjust	as high as	AN/TCC-69
as being	assistance	
	1 AW	blowers
between	black out	
	blowers	cable link
conditions	by means of	cable power
	buzzer	cable terminal
following		cables (power)
	caution	cables (signal)
if necessary	channel (12)	call lamp
include	checks	channel (12)
	cold start	check out
now	contact with	CRL control
	covers	
only		energize
open	death :	exhaust blower
	directly	
perform		flourescent
place	electrocution	
positioned	equipment	ground system
preparations.	exhaust blowers	
properly		hairline
provided	field location	heaters
	fixed site	high voltage
set		
	green band	installed
task		internal connections
through	headset	
	heaters	jacks
under	hold	
	holding	lights
weather		loopback
which	install batteries	
within	insure that	main power
		manned point
	light (v)	meter select
	listen	miles switches
	non-secure	order wire
		OSC adjust
	operate	
		patch cable
	preliminary	PCM in
	preparation for	PCM out
	prepare it	preset changes
	present	
	prior to	recable
	provided	rough
	required	SER SEL
	result in	systems lineup
		systems operation
	setting	
	sound (v)	telephone terminal set
	system	terminal line up

BT con't

team chief
team task
time limit
TM's
tone
turning

until

Tech con't

test align
timing in
tone
transmission cable link
transmission line

voltage regulator

158

113-31M-1038

Perform Operators Daily Preventive Maintenance On
Terminal Set, telephone
AN/TCC-60 or AN/TCC-69

ALL ARE SAME AS TASK 1059

AN/TRC -117 (v)

page 2-226

151

113-31M-1037 Trouble Shoot Terminal Set Telephone AN/TCC-60 or AN/TTC-69^c

GE

accom
all
as required

below

clearly
concitions

daily
depending on
determine

found

given

however

must

nature of

performed
provide
responsibility

take
task

under

vary

weather
while
within

BT

allotted
appropriate
AW

chart
check
checks
column
components
corrective measures

deficiencies
designates
document

facilities
faulty
function

garrison setting
good ones

indicates
items

known

localize
locate

note

observe
operator

precautionary
prescribe
preventive maintenance
procedure

record
refer to
repair
repairable
replace
replacements
report

safety equipment
services
specific
submit
suspected

tactical
team chief
test equipment
time factor

Tech

AN/TCC-60
AN/TCC-69
assemblages

built in alarms
built in meters

DA Form 2404
defective cables

isolate

loopback checks

sectionalize
selector switches
sub-component
substitute
symptoms

telephone terminal set
trouble shooting

152

BT con't

time limit

TM's

tools

trouble shoot

192

THIS TASK IS SAME AS:

TASK ~~1848~~ 1856

antenna

cables { antenna)
 { connections)
 { interunit)
 { power)
 { video)

conversion system

entrance box
 (antenna)
 (video)

erected
extractor cable

OW patch
radio repeater set
radio to cable

<u>GE</u>	<u>BT</u>	<u>TECH</u>
all	adjustments	AC circuits
applied	although	AC power cord
	appropriate	aligned
completed	assistance	antenna
conditions	associated	AN/TRC-110(v)
		assemblage (power)
distance	batteries	assemblage (lighting)
	briefing	
going	buzzer	binding post wires
if necessary	case	cable repeater
in order to	checks	channel (12)
	corresponding to	checked out
less than		
lower	energize	dummy level
	equipment rack	
make		energize
make use of	grounded	equipment racks
		erected
normally	indicates	expose
perform	make	fault locator miles
provide	meter	
see	necessary to	image frequency
signals	number of	incoming calls
still		intercom receptacle
such as	observe	
switch to	only	loopback
	operate	
through		multiplexerz
	posetions	
under	preoperational	neon lights
	properly	
weather	reference	over voltage
	silence	PCM components
	switch	PCM system alignment
	systems operation	power
		power distribution panel
	tactical environment	power glow lamp
	team chief	preoperational steps
	team member	protective device
	tests	
	TM's	radio repeater set
		regulated output
	volume	
		service facility panel
		signal cables
		slide...out of
		system configurator
		systems operator

GE

BT

TECH

telephone terminal
terminal alignment
terminal applications
terminal line up
test cables
traffic channels
traffic configurations
traffic set

VAC (110)
voltage meter

113-31M-1055 Perform Operator's ^uDily Preventive Maintenance On Repeater Set,
Radio AN/TRC-110 (v)

ALL VOCABULARY SAME AS

TASK 1059
page 2-226

113-31M-1054 Troubleshoot Repeater Set, Radio AN/TRC-110 (v)

ALL VOCABULARY SAME AS

TASK 1037'
page 2-290

157

113-31M-1048 Install Repeater Set, Radio
AN/TRC-109 (v)

ALL VOCABULARY SAME AS:

TASK 1056
1040

113-31M-1049 Operate Repeater Set, Radio
AN/TRC-109 (v)

ALL VOCABULARY SAME AS:
TASK 1053
page 2-299

113-31M-1051 Perform Operator's Daily Preventive Maintenance On Repeater Set,
Radio AN/TRC-109 (v)

ALL VOCABULARY SAME AS :

TASK 1059
page ~~2226~~ 2-226

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113-31M-1050

Trouble Shoot Repeater Set, Radio AN/TRC-109 (v)

ALL VOCABULARY SAME AS:

TASK 1019 + 1054

page 2-114, 2-310

113-31M-1071

Troubleshoot Radio Terminal Set, AN/MRC-69 (v)

ALL VOCABULARY SAME AS:

TASK 1058

page 2-236

113-31M-1076 Troubleshoot Radio Terminal Set, AN/MRC-73 (v)

ALL VOCABULARY SAME AS:

TASK 1058

page 2-236

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113-31M-1071 Troubleshoot Radio Terminal Set, AN/MRC-69 (v)

ALL VOCABULARY SAME AS:
TASK 1058
page 2-236

113-31M-1076 Troubleshoot Radio Terminal Set, AN/MRC-73 (v) -

ALL VOCABULARY SAME AS:
TASK 1058
page 2-236

APPENDIX 7

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

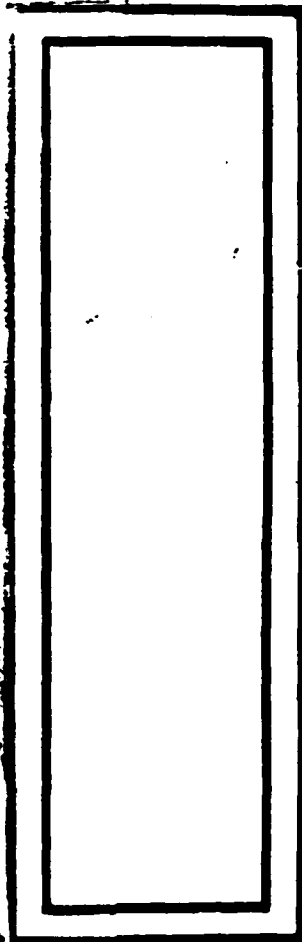
"HEADQUARTERS

UNITED STATES ARMY TRAINING AND DOCTRINE COMMAND

FORT MONROE, VIRGINIA 23651

DATA CONTROL NUMBER

Page No



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31 M

MOS WORD LIST BY PAGE

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1 A	49,7	48,4	47,2	46,3	45,4	44,15	43,11	42,1	41,3	40,10	39,3	38,3	37,2
36,3	35,14	34,13	33,10	32,10	31,2	30,5	29,2	28,4	27,12	26,23	25,12	24,3	23,4
22,6	21,7	20,6	19,7	18,3	17,4	16,2	15,1	14,11	13,5	12,16	11,26	10,46	
9,44	8,67	7,71	6,52	5,37	4,65	3,55	2,114	1,29	18,1	17,34	16,74	15,46	
16,21	16,44	16,31	15,73	15,11	14,16	14,8,5	14,7,1	14,5,4	14,4,1	14,3,3	14,2,1	14,1,1	13,7,6
13,15	12,91	12,8,7	12,5,4	12,1,5	11,2,2	11,0,2	10,9,2	10,8,2	10,7,3	10,6,1	10,5,1	10,4,1	10,3,1
10,2,8	9,9,1	9,7,6	9,6,1	9,4,4	9,2,2	9,1,3	9,0,1	8,9,1	8,8,2	8,7,1	8,6,1	8,5,1	8,4,1
7,5,1	7,2,1	6,9,3	6,7,6	6,6,3	6,5,2	6,4,14	6,3,4	6,2,5	6,1,27	6,0,11	5,9,2	5,8,1	5,7,1
5,7,4	5,6,12	5,5,3	5,4,7	5,3,8	5,2,10	5,1,6	5,0,2	4,9,1	4,8,2	4,7,1	4,6,1	4,5,1	4,4,1
3,7,13	3,7,11	3,7,7	3,6,9	3,6,5	3,6,2	3,5,12	3,5,10	3,4,4	3,4,3	3,4,2	3,4,1	3,3,3	3,3,2
3,5,10	3,5,9	3,5,3	3,5,2	3,5,1	3,4,10	3,4,9	3,4,8	3,4,7	3,4,6	3,4,5	3,4,4	3,4,3	3,4,2
3,4,4	3,4,3	3,4,2	3,4,1	3,3,11	3,3,10	3,3,9	3,3,8	3,3,7	3,3,6	3,3,5	3,3,4	3,3,3	3,3,2
2,4,4	2,4,3	2,4,2	2,4,1	2,3,11	2,3,10	2,3,9	2,3,8	2,3,7	2,3,6	2,3,5	2,3,4	2,3,3	2,3,2
2,3,1	2,3,0	2,2,11	2,2,10	2,2,9	2,2,8	2,2,7	2,2,6	2,2,5	2,2,4	2,2,3	2,2,2	2,2,1	2,1,1
2,1,1	2,1,0	2,0,11	2,0,10	2,0,9	2,0,8	2,0,7	2,0,6	2,0,5	2,0,4	2,0,3	2,0,2	2,0,1	1,9,1
1,8,1	1,7,1	1,6,1	1,5,1	1,4,1	1,3,1	1,2,1	1,1,1	1,0,1	0,9,1	0,8,1	0,7,1	0,6,1	0,5,1
0,4,1	0,3,1	0,2,1	0,1,1	0,0,1	0,0,0	0,0,0	0,0,0	0,0,0	0,0,0	0,0,0	0,0,0	0,0,0	0,0,0
1 AN/GRC-103	280,2	126,1	155,1	139,1	138,1	111,1	104,2	102,1	59,1	55,2	53,1	47,1	41,1
1 AN/G-C-50	31,1	25,1	19,1	12,1	11,3	10,2	5,2	4,2	2,4	18,1	17,3	11,7	8,4
1 AN/G-C-50	7,1	6,3	3,1	3,1	3,5,1	3,15,1	3,8,1	2,9,1	2,8,1	2,8,5	2,24,2	2,15,1	2,13,1
1 AN/G-C-50A	21,1	21,1	6,4,1	6,4,1	5,5,1	5,2,1	5,4,2	5,3,2	4,0,1				
1 AN/G-C-115	10,1	4,3	2,3,2	2,24,1	6,4,1	9,3,1	3,1,1	1,1,1	1,4,1	14,1	14,1	14,2	13,1
1 AN/MTC-127	137,3	136,1	131,1	129,1	129,1	17,1	6,1,1	1,4,1	1,5,2	1,5,1	1,5,3	1,5,1	1,4,1
1 AN/MTC-65	34,3	28,1	7,1	6,1	4,2								
1 AN/MTC-73	34,3	34,1	5,1	3,4,1	3,4,1								
1 AN/MTC-7	100,1												
1 AN/MTC-50	2,1	2,9,1	2,7,1	2,7,1	2,5,1	2,6,1	2,6,1	2,6,1	2,6,1	2,6,1	2,6,1	2,6,1	2,6,1
1 AN/MTC-60	32,1	29,1	28,1	28,1	28,1	28,1	28,1	28,1	28,1	28,1	28,1	28,1	28,1
1 AN/MTC-60/69	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1
1 AN/MTC-61	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1
1 AN/MTC-65	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1
1 AN/MTC-69	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1
1 AN/MTC-7	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1
1 AN/MTC-105	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1
1 AN/MTC-110	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1
1 AN/MTC-113	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1
1 AN/MTC-113A	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1
1 AN/MTC-117	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1

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2

1 AN/ATC-149

1 AN/ATC-149A

1 AN/ATC-24

1 ANT

1 ANTENNA

1 AT-903

1 AUDIF

1 AZIMUTH

1 PAC

1 PLIVE

1 ENAMF

1 CANLF

1 CALIGN

1 CEFI

1 CG-1040B/U

1 CG-409/U

1 CHARTER

1 CHECK

1 CIRCUT

1 CL

1 CLAMP

1 CLEAR

23503	23001	22601	22502	22402	21003	20902	19601	19503	19301	19203	191
31301	28001	4101	4003	3802	3304	3104	2603	2301	2203	1703	504
405	28002	6601	6504	6401	5901	5801	5701	5602	5503	4601	
402	2603	2203	1703	502	5503	3603	3103				
701											
1002	901										
302	205										
21001	19002	15401	14801	13701	13101	10901	10801	10201	9702	9301	8104
5802	5602	5401	5301	4501	4001	4402	4001	3502	3402	3302	2602
2504	2301	2001	1901	1801	1702	1403	1104	10014	9012	8004	705
6012	502	4010									
1104	1004	905	601	504	406	201					
2501		905	501								
2001	1501										
501	201										
36701	1101	501									
501											
32001	29001	28204	28001	27502	27002	27001	24801	24702	24602	23501	27203
27103	26001	25504	25303	25102	24501	24404	24101	23803	22903	21002	20102
20001	19003	19501	18901	17402	15802	15501	14102	13801	13501	13406	12001
10403	10301	10202	10101	9702	9201	9302	5901	5801	5703	5602	8602
8401	83010	8104	7801	7702	7502	7401	6901	6801	6601	6302	6206
6106	6001	5103	5007	4502	4602	4405	4308	4104	4002	3703	3202
3102	3002	3507	3407	3205	2801	2602	2402	2202	2006	1901	1602
1401	1202	1102	10013	5019	8013	7402	5046	4010	304	203	
34201	33001	29201	27001	26501	25201	24201	23201	21801	21001	21901	21001
19801	19001	19501	19201	19001	18801	18001	16801	16101	15401	14801	14301
13701	13101	12801	12101	12001	11501	11701	10201	9802	9701	9201	8301
6702	6701	5401	5001	4501	4001	3302	3001	2101	1501	1402	1201
1101	1004	904	806	708	604	508	308	2010	1001		
801											
20201	4601	701	7801	7701	5601	5301	5002	4904	4401	4301	4002
21501	1001	7901	2101	1702	1302	12014	1005	902	802	601	509
10101	8601	2501	28202	25502	22001	22301	21101				
3701	3501	29501	6704	6801	9601	9201	12202	12701	14104	14202	15804
6104	6701	6601	21201	21302	21501	21802	22903	23102	23203	23601	23901
16102	16001	19801	32101	34001	35001	35901	61105	6003	5703	5607	5304
25501	28202	30001	4403	4304	4101	4001	3608	3501	3303	3202	2603
5107	5006	4902	2004	1508	1502	1603	11011	1006	9018	8014	702
2402	2302	2102	2004	2004	1802	1603					
605	5016	403	3016	2045	102	19401	14201	12201	11901	11501	11101
209	26902	24102	23202	21201	19501	1806	508	401	411	3801	3501
10401	9701	9201	6902	6202	302	2401	2202	2103	1802	1701	1403
5701	5101	4203	3804	3501	3302	6002	4302				
3401	3202	2602	2501	22201	6101						
1001	902	702									
201	208	101	16103	15801	13701	14202	5601	2601	14001	12602	12501
10701	9202	9101	6003	5702	35801	35703	33001	30901	28401	25701	23101
22901	22801	22501	18801	18701							

		319.1	300.1	5.1	2.2	282.1	212.1	54.1	36.2	19.1	8.2	7.2
1 CLOCWISE	221.1 174.2	319.1	300.1	5.1	2.2	282.1	212.1	54.1	36.2	19.1	8.2	7.2
1 CN-514/GRC	298.1 321.1	2.1										
1 CODE	1.3 280.4	2.3										
1 CCID	357.1 181.1	9.1										
1 CCIOR	66.1 64.1	9.1										
1 COMMUNICATION	241.1 49.1	6.1										
1 COMMUNICATIONS	22.1 69.1	66.2										
	38.2 45.1	34.1										
	15.1 12.1	11.1										
1 COMPASS	64.1											
1 COMPONENT	288.1 239.1	194.1	161.1	141.1	67.1	64.1	62.1	61.1	46.1	45.1	44.1	31.1
	30.1 28.1	12.2	10.3	5.4	8.5	7.5	6.2	3.2	2.1			
1 CONDUCT	31.1 24.1	22.1	19.1	12.1	12.1	11.4	10.7	9.15	8.9	7.12	6.16	5.26
	4.1 3.1	2.1	59.2	44.1	41.2	37.1	36.1	75.1	73.1	62.1	56.1	33.1
	32.1 243.1	215.1	214.1	120.2	115.1	99.1	157.1	176.1	171.1	122.1	244.2	317.3
1 CONDUCTOR	318.3 282.1	272.2	271.1	255.1	183.2	11.1	10.3	9.4	7.5	6.7	5.11	4.4
1 CONTACT	24.2 255.2	198.2	134.1	86.1	35.1	30.1	25.1	22.1	10.1	7.2	6.4	5.2
	4.4 3.1	19.1	17.1	11.2	5.1							
1 CONTACTS	253.1 63.1	58.1	53.1	40.1								
	25.1 11.2	10.2	2.1	280.2	185.1	176.1	49.2	8.1				
1 CONCENTRATES	3.1											
1 CONCENTRATOR	123.1 22.1	17.1	2.1									
1 CV-1548/G	334.1 313.1	46.1	41.1	37.1	31.1	21.1	9.1	7.3	5.1	155.1	138.1	64.1
	63.1 47.1	2.3	4.1									
1 CV-1548/G	9.1 7.1	4.1	21.1	12.1	31.1	63.1	47.1	41.1	37.1	64.1	155.1	138.1
1 CV-2500/GRC	19.1 10.3	156.1	154.1	40.1	137.1	102.1	54.1	48.1				
1 CX-4245/G	66.1	56.1	61.1									
1 CX-4257	238.1 26.1											
1 CX-7275	35.1											
1 CX-7275/TCC	29.1											
1 CX-7274/TCC	46.1											
1 CX-7275	30.1 7.2											
1 D/I	40.1 210.1	32.1	35.1									
1 EA-159/GRC	216.1 10.1											
1 ECRN-E	9.1 2.1											
1 EIAL	218.1 216.2											
1 ELECTROCLITION	253.1 188.1	83.1	11.1	7.1	6.1	3.1						
1 ELEVATION	348.1 9.1	5.2	4.1									
1 ELEVATION-DEPRESSION	115.6 117.1	118.1	119.1	120.1	121.7	122.1	124.2	135.2	126.1	128.2	131.1	148.1
1 GENERATOR	167.3 168.1	170.1	173.4	174.2	180.1	187.2	192.4	195.1	194.1	250.1	249.1	280.2
	611.32 114.1	97.1	90.1	65.1	55.1	49.1	38.1	43.1	33.2	32.1	30.4	27.1
	26.2 25.1	6.1	5.4	23.2	21.3	15.5	14.5	13.1	12.5	11.7	10.3	9.7
	8.4 7.6	17.1	16.2	4.5	3.8	2.12	1.3	9.8				
1 GUY	4.6 5.6	7.16	6.1	15.1	14.4	11.10	10.1					
1 H-156	26.1 13.1	6.1										
1 H-91	52.1 48.1	86.1										
1 FAIRLINE	12.3 10.1	9.1	21.1	13.1	31.1	26.1	24.1	22.1	33.1	32.2	328.1	324.1
	307.1 303.1	282.3	255.2	254.1	222.3	68.1	52.1	60.1	50.1	49.1	44.3	43.1
1 HAMMER	8.2 6.1	3.2										

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MOS WORD LIST BY PAGE

2	AFC	21809	21702	1902	1001	802	2102	4301	3402	2602	2302	
2	ALARM	39801	21602	6102	6002	5202	2101	1701	1301	1206	1102	32401
2	ALIGN	1001	708	404	2401	2201	2101	21502	6002	5902	4901	4403
		30702	30301	28202	23501	22205	21801					
		4702	4102	3301	3203	3101	2602					
2	ALIGNMENT	602	501	305	1801	1707	1201	1102	9011	805	707	10302
		9001	6201	6005	5901	5602	3501	5404	5204	5001	4903	4403
		43011	4101	3801	3705	3604	3508	9301	3101	2603	2506	2302
		2201	2102	2009	1906	32002	29502	28201	25501	22401	22301	21102
		15601										
2	ALIGNED	37601	37402									
2	ALIGNMENT	37501	37405	30001								
2	AMP	1002	201									
2	AMPSES	401	201	23201	5401	3601	1901					
2	AMPS	18901										
2	ASSIGNED	36601	36501	23301	5702	5401	5301	5001	2302	1902	1102	1002
		902	701	602	501	401	303					
2	ASSIST	23201	1001	802	503	702						
2	ASSOCIATED	604	501	36301	1402	1106	902	702				
2	ATTACH	601										
2	ATTACHED	301										
2	AUXILIARY	1701	1201	801	301							
2	BAID	1102	301	17701	12202							
2	BASE	21601	8801	5403	5004	4503	1201	902	25401			
2	BLACICIT	36901	1403	901	801	705	504	401				
2	BLACICIT/BYPASS	23901	11101	6703	6601	5802	2502	203				
2	CABLE-TO-CABLE	3601	1901	201								
2	CABLE-TO-RADIO	25601										
2	CABLE-UP	3401	1003									
2	CAPLAC	29401										
2	CARRIER	42405	36002	35901	35807	33704	32001	1402	5001	4901	2601	2201
2	CENTER	901	502	301	37601	37403	2101	1202				
2	CENTERED	27601	35801									
2	CG-3443/U	13401										
2	CG-3444/U	902	13402	2901	1002							
2	CEDEC	1402	1102	701	501							
2	CEDEC	6401										
2	CEDEC-START	201										
2	CELLAR	30301										
2	CELUAN	801	603	507	1202	6401	6901	6202	4602	4501	2902	2801
2	CELTANED	2501	201	37301	6103	5602	4401	3504	2602			
2	CELTAN	36701	29401	28001	6401	5801	4001	3001	705	401	201	101
2	COMPLETE	18701	18702	26902	25701	25101	24002	19502	1501	1401	1102	12802
		703	601	502	402	301	201	101	8101	6902	1902	902
		12501	12101	11502	10301	9501	6101	6002	5101	4901	4801	4301
		3501	3201	3004	2602	2501	2301	2101	27901	20801	20201	28401
2	COMSEC	32901	32001	31701	30901	301	31801	30501	17501	5301	3501	
2	CONFIGURATION	3301	901	801	504	32301	32301					
		2501	701	602	32601							

2	CONNECTION	189,1	11,1	8,1	7,5	83,1	72,1	15,1	14,1	99,1	49,1	41,1
		33,1	16,1	246,2	243,1	198,1	196,1	247,2	296,1	294,1	278,1	277,1
2	COPTEL	276,1	275,1	271,1	249,1	46,1	44,4	9,3	8,1	7,2	6,6	38,1
		43,3	39,1	49,1	48,1	31,1	26,4	22,2	21,3	20,1	19,4	18,2
		35,2	34,4	33,2	32,3	17,1	123,1	218,3	216,4	184,2	182,1	181,1
		17,1	14,2	12,5	10,7	82,1	87,1	59,1	54,1	52,1	51,1	234,1
		179,2	60,3	56,2	50,4							
		32,2,1	28,2,3	25,2,2	35,2							
		38,2	22,1	21,1	280,1							
		56,1	39,1	22,1	296,1	292,1	210,1	102,2	97,3	25,3		
2	CONVERT	10,2	7,2	6,1								
2	CONVERTER	2,1	9,1	7,1	4,1	64,1	63,1	48,1	46,1	31,1		
2	CORRELATE	10,1										
2	CORRECTION	63,1	3,1									
2	COPPER	3,3	3,1									
2	COPPER	3,4	9,2	199,1	12,1							
2	COPPER	189,1										
2	COPPER	5,2	10,1	7,2								
2	COPPER	10,1										
2	COPPER	192,1	185,1	123,1	52,1	49,1	48,1	35,1	254,1	88,1		
2	COPPER	32,1	7,4	6,4	109,1	72,1	58,1	8,2	6,2			
2	COPPER	2,1	334,1	318,1								
2	COPPER	11,2										
2	COPPER	128,1	26,4	25,1	23,3	15,1	14,1	11,1	9,5	8,1	4,3	24,1
2	COPPER	9,2,1	91,2	82,1	63,2	60,1	55,1	57,5	53,1	45,1	42,1	41,1
2	COPPER	4,2,3	36,1	30,1	125,1	122,1	103,1	94,2	111,1	107,2	106,1	211,1
2	COPPER	19,1	187,1	174,1	164,2	157,2	155,1	145,2	34,1	340,1	337,1	330,2
2	COPPER	320,1	314,2	309,2	299,1	252,1	235,2	225,2	284,2	266,2	257,1	
2	COPPER	8,1	3,1	2,6	198,1	190,1	185,2	161,1	60,1	11,1	10,1	216,1
2	COPPER	3,1	1,1									
2	COPPER	3,1	7,1	5,1	350,1	252,1	15,1	11,1	50,1	33,1	16,1	
2	COPPER	2,1										
2	COPPER	44,1	19,2	14,1	12,1	8,1						
2	COPPER	2,1	19,2									
2	COPPER	19,2	8,1									
2	COPPER	4,4	201,2	75,1	54,1	53,1	35,1	25,1	10,2	8,1	5,3	
2	COPPER	365,1	50,1									
2	COPPER	319,1	298,1	156,1	154,1	137,1	102,1	40,1	4,4			
2	COPPER	25,1	34,1	26,1	61,2	56,1	44,1	35,1				
2	COPPER	14,2	61,4	60,9	59,2	56,1	44,2	43,8				
2	COPPER	14,1	178,1	177,1	6,1	2,1	50,1	34,1	188,1	179,1	134,2	
2	COPPER	2,2	16,1	11,1								
2	COPPER	48,1	10,1									
2	COPPER	1,1										
2	COPPER	354,1	348,1	2,1								
2	COPPER	181,2	180,4	2,1	182,1	185,2	184,1					
2	COPPER	9,1										
2	COPPER	9,2										
2	COPPER	48,1	6,1									
2	COPPER	27,1	2,1									
2	COPPER	218,2										

2	DAMAGE	189,1	11,1	8,1	7,5	83,1	72,1	15,1	14,1	99,1	49,1	41,1
		33,1	16,1	246,2	243,1	198,1	196,1	247,2	296,1	294,1	278,1	277,1
2	DEATH	276,1	275,1	271,1	249,1	46,1	44,4	9,3	8,1	7,2	6,6	38,1
2	DEATH	43,3	39,1	49,1	48,1	31,1	26,4	22,2	21,3	20,1	19,4	18,2
2	DEATH	35,2	34,4	33,2	32,3	17,1	123,1	218,3	216,4	184,2	182,1	181,1
2	DEATH	17,1	14,2	12,5	10,7	82,1	87,1	59,1	54,1	52,1	51,1	234,1
2	DEATH	179,2	60,3	56,2	50,4							
2	DEATH	32,2,1	28,2,3	25,2,2	35,2							
2	DEATH	38,2	22,1	21,1	280,1							
2	DEATH	56,1	39,1	22,1	296,1	292,1	210,1	102,2	97,3	25,3		
2	DEATH	10,2	7,2	6,1								
2	DEATH	2,1	9,1	7,1	4,1	64,1	63,1	48,1	46,1	31,1		
2	DEATH	10,1										
2	DEATH	63,1	3,1									
2	DEATH	3,3	3,1									
2	DEATH	3,4	9,2	199,1	12,1							
2	DEATH	189,1										
2	DEATH	5,2	10,1	7,2								
2	DEATH	10,1										
2	DEATH	192,1	185,1	123,1	52,1	49,1	48,1	35,1	254,1	88,1		
2	DEATH	32,1	7,4	6,4	109,1	72,1	58,1	8,2	6,2			
2	DEATH	2,1	334,1	318,1								
2	DEATH	11,2										
2	DEATH	128,1	26,4	25,1	23,3	15,1	14,1	11,1	9,5	8,1	4,3	24,1
2	DEATH	9,2,1	91,2	82,1	63,2	60,1	55,1	57,5	53,1	45,1	42,1	41,1
2	DEATH	4,2,3	36,1	30,1	125,1	122,1	103,1	94,2	111,1	107,2	106,1	211,1
2	DEATH	19,1	187,1	174,1	164,2	157,2	155,1	145,2	34,1	340,1	337,1	330,2
2	DEATH	320,1	314,2	309,2	299,1	252,1	235,2	225,2	284,2	266,2	257,1	
2	DEATH	8,1	3,1	2,6	198,1	190,1	185,2	161,1	60,1	11,1	10,1	216,1
2	DEATH	3,1	1,1									
2	DEATH	3,1	7,1	5,1	350,1	252,1	15,1	11,1	50,1	33,1	16,1	
2	DEATH	2,1										
2	DEATH	44,1	19,2	14,1	12,1	8,1						
2	DEATH	2,1	19,2									
2	DEATH	19,2	8,1									
2	DEATH	4,4	201,2	75,1	54,1	53,1	35,1	25,1	10,2	8,1	5,3	
2	DEATH	365,1	50,1									
2	DEATH	319,1	298,1	156,1	154,1	137,1	102,1	40,1	4,4			
2	DEATH	25,1	34,1	26,1	61,2	56,1	44,1	35,1				
2	DEATH	14,2	61,4	60,9	59,2	56,1	44,2	43,8				
2	DEATH	14,1	178,1	177,1	6,1	2,1	50,1	34,1	188,1	179,1	134,2	
2	DEATH	2,2	16,1	11,1								
2	DEATH	48,1	10,1									
2	DEATH	1,1										
2	DEATH	354,1	348,1	2,1								
2	DEATH	181,2	180,4	2,1	182,1	185,2	184,1					
2	DEATH	9,1										
2	DEATH	9,2										
2	DEATH	48,1	6,1									
2	DEATH	27,1	2,1									
2	DEATH	218,2										

		HDS WORD LIST										AGE		DATE 06/15		PAGE
2	LEVEL	31,1	32,1	33,1	34,3	35,3	40,1	43,1	44,4	46,1	47,1	52,1	53,1	56,1		
2	LIPE-CP-SICHT	30,1	60,1	61,4	62,2	62,2	64,1	129,1	174,1	217,1	222,2	354,1	376,2	611,1		
2	LOGCPACK	30,2	26,2	25,2	24,2	22,2	20,1	9,11	8,2	7,11	6,4	4,1	3,19	19,1		
2	LUBRICATE	17,1	14,1	12,3	11,3	10,4	2,5	1,10								
2	L1	15,1	41,1	40,1	45,1	61,2	24,2	33,4	32,2	37,2	36,2	46,1	28,1	279,2		
2	L2	43,1	251,2	221,1	211,1	210,1	156,1	155,1	154,1	138,1	137,1	106,1	104,1	103,2		
2	L3	107,1	63,2	299,2	320,1	315,1	35,3	30,1	44,1	83,2	81,3	11,3	10,2	9,1		
2	L4	28,2	25,2	22,1	20,3	15,3	12,1	17,2	12,2	6,2	8,3	7,11				
2	L5	8,1	6,1	8,2	8,2											
2	PAGNTTIC	1,1	174,1	174,3												
2	PAINTANCE	1,1	174,3	4,1												
2	PASTER/SLAVE	142,1	140,3	138,1	129,1	128,1	126,2	166,1	164,2	163,2	161,1	157,3	155,1	145,2		
2	PEAS	144,2	174,1	187,2	185,1	1,2	14,1	12,3	11,2	10,2	9,6	8,13	7,26	6,12		
2	PEP-C15A	5,22	4,17	3,3	2,12	44,1	43,1	42,3	41,2	40,5	38,1	36,1	31,1	30,3		
2	PEP-C16A	29,1	26,5	25,3	23,6	21,3	15,1	16,1	45,1	55,1	53,1	46,2	40,1	59,3		
2	PEP-C17	57,6	56,3	107,3	103,1	125,2	122,1	113,2	111,2	94,2	92,1	91,3	43,1	62,3		
2	PEP-C17A	61,1	82,1	66,1	65,1	64,2	611,8	424,1	343,1	343,2	189,1	188,1	249,2	288,1		
2	PEP-C18	284,3	280,7	268,1	266,2	265,1	257,2	252,1	248,1	235,2	225,3	211,1	194,1	192,1		
2	PEP-C19	191,1	309,4	303,1	299,1	341,1	340,1	310,4	348,1	337,1	336,1	334,1	310,3	304,1		
2	PEP-C20	320,1	314,2	313,1												
2	PEP-C21	44,1														
2	PEP-C22	13,1														
2	PEP-C23	117,1	115,1	128,1	125,1	122,1	121,3	611,8	114,1							
2	PEP-C24	611,8	15,1													
2	PEP-C25	280,1														
2	PEP-C26	280,1														
2	PEP-C27	126,1														
2	PEP-C28	7,3														
2	PEP-C29	14,1	13,1	2,11	44,4	43,4	41,1	33,2	32,6	31,2	26,4	24,3	22,2	21,6		
2	PEP-C30	222,8	218,2	111,1	113,2	105,2	8,23	303,1	282,3	328,1	324,2	307,1	253,1	232,2		
2	PEP-C31	58,1	54,4	51,13			156,2	142,2	63,1	62,3	60,4	42,1	50,26	49,4		
2	PRC-115	137,1	154,1													
2	PRC-127	163,1														
2	PRC-72	343,1														
2	RON-SCURE	204,1	10,1	203,1	202,1	137,1	74,1	35,12	19,1	17,1	32,2	26,1	26,8	25,2		
2	CRDERENTRE	10,3	9,1	6,1	2,3	8,3	7,13	45,2	42,2	42,1	52,1	51,2	41,2	38,2		
2	PANELS	23,2	22,2	21,2	20,1	45,3	46,1	222,3	42,1	63,1	61,7					
2	PANCNE	56,5	55,3	53,1	60,1	55,4	26,1	86,1	63,1							
2	PU-618/M	5,1	50,1	34,1	16,1	327,2	306,2	86,1								
2	PU-625/G	199,2	12,1	10,1	9,1	8,5	5,3	3,1								
2	PU-628/G	611,5	192,1	174,1	173,1	168,1	167,1	5,2	13,1	611,5						
2	R-1321	12,2	11,1	10,2	9,1	30,1	27,1	16,1	10,4	611,5						
2		9,1	27,1	26,1	16,1	13,1	12,2	11,1	10,4	611,5						
2		6,2	4,2	43,2	35,4	34,2	22,3	220,1	238,1	213,1						
2		19,2	9,1	31,1	26,4	25,2	32,2	23,2	22,1							
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MDS WORD LIST

	102,1	101,1	179,1	123,3	20,2	19,2	10,2	
3 CHART	12,1							
3 CLARITY	7,1							
3 CLASSIFICATION	307,8	366,1	368,3					
3 CLASSIFIED	7,1							
3 CLIP	3,1							
3 CO-PARTMENT	307,1							
3 CONFIDENTIAL	335,1							
3 COV	310,1							
3 COUNTESS	61,1	2,1						
3 CORRECT	140,1	130,1						
	4,1	374,4						
3 CORRECTIVE	4,1	37,1						
	4,1	103,2						
3 COVER	237,1	235,1						
	63,1	62,2						
	3,5	2,7						
3 COVER	228,1	227,1						
	36,4	36,4						
3 CRAGS	109,1	2,6						
3 CRITICAL	7,1	6,1						
3 CURRENT	14,1	9,4						
3 CAMP	3,1							
3 DATA	64,1							
3 DATE	10,1							
3 DEFECTIVE	6,2	5,7						
3 DEFECTS	32,1	11,1						
	266,1	113,1						
3 DEFICIENCIES	2,1	1,1						
	4,6	37,3						
	291,1	289,1						
	115,1	107,1						
3 DELAY	2,1							
3 DETACH	5,1							
3 DIAGRAM	246,2	48,1						
	277,1	247,1						
3 DIRECT	358,1	357,3						
	1,1	7,5						
3 DIRECT	58,1	9,9						
	14,2	12,4						
	30,2	29,2						
3 DIRTY	3,1	2,1						
3 DISSENT	18,1	5,1						
	47,1	43,1						
3 DISTRIBUTION	66,2	142,1						
	231,2	212,1						
	36,1	33,1						
3 DIVISION	6,1							
3 OCCUPANT	3,1	2,2						
	309,1	291,1						
	113,1	111,1						
3 DOUBTER	3,1	50,1						

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[illegible]

WORDS WORD LIST BY PAGE

[illegible]

3 READINGS	1091	811	211	1891	341	2511	2511	1281	1201	1111	921	519
3 READJUST	2211	2111	141	81	2791	2561	2511	2391	8311	2141	3391	3341
3 RECAPLE	421	281	251	2121	671	1021	513					
3 REF	727	626	449	319	2083	114						
3 REGULATOR	7321	2122	712	511	1951	262	222	2801				
3 RELAY	172	512	341	3912	1051	2211	321	261	431	351	341	331
3 RGTATE	913	711	511	1046	512	251	321	911	611	561	531	691
3 SAFETY	5113	481	1211	1151	1121	1071	971	1731	1671	1641	1571	162
	661	1222	1251	631	1421	1451	1401	2411	1671	2351	2251	1951
	154	171	1922	1871	1801	2651	2661	3431	8401	3371	3101	3181
3 SEL	2891	2841	2801	3171	3141	3051	2921	2222	861	3021	181	461
	3261	3241	3231	3281	3051	3031	3072	261	221	212	121	71
3 SERV	916	811	311	431	401	322	301	94	2282	3241	3172	3031
	8110	324	312	262	222	213	121					
3 SET	2821	2224	602	491	422	831	821	671	662	811	101	1022
	411	401	891	882	818	941	921	651	642	632	611	603
	2541	2252	973	961	952	2182	472	446	434	411	361	3182
	2261	2251	2242	2211	2301	2301	3262	3201	2191	591	3141	3101
	3172	3151	3341	3331	3311	3411	3401	325	151	184	281	271
	3091	3361	61123	3451	3421	311	1401	1571	1551	1541	1661	1641
	269	251	241	234	226	1231	1701	1673	2111	2101	1791	1561
	1401	1381	1466	1621	1451	1411	1741	1192	1216	1701	1371	1361
	1953	1931	1923	1872	1801	1761	3051	1171	1154	214	113	1141
	1316	1221	1282	1261	1251	1241	2981	2931	2421	2521	2311	2501
	1131	1081	1031	314	303	2951	2132	314	3022	174	404	392
	2351	2415	2391	2381	2161	2151	498	573	563	553	543	532
	382	1216	164	153	1412	133	2431	2407	335	356	342	382
	522	518	5012	2822	2851	2641	2681	2661	2651	2641	2423	2901
	2561	2571	2581	2791	2701	2656	816					
	2891	1119	1016	522	713	518						
3 SHORT	511											
3 SICTORRE	311											
3 SIGMEL	912											
	2981	2861	112	102	181	171	162	443	67	87	71	3101
	381	361	57	37	27	11	269	222	321	311	301	282
	571	5611	412	402	463	4412	511	491	481	471	426	582
	2621	2511	532	811	641	622	6128	2611	3516	3414	333	2791
	1371		2291	2271	2262	2101	1951	1541	1481	1412	1311	1021
3 SITE	1451	1731	1671	412	312	212	114	141	91	151	1311	1211
	1151	971	811	691	571	531	482	401	351	322	251	232
	171	3171	2921	2791	2651	2511	2411					
3 SOUELM	2213											
3 STAKE	912	814	717	512								
3 SUB-COMPONENT	611	451	291	613	513							
3 SWITCH	121	111	613	452	282	71	31	3731	1941	1921	1871	1292
3 TART	1251	311	301	261	51							
	1282											
3 TAPMS	2801	2681	6114	3451	3361	2651	1661	491	512	311	261	49

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WDS WORD LIST BY PAGE

4 REGIT	360,1	7,2	61,1	18,1	10,2	9,1	358,1	343,1	340,1	337,1	317,1	314,1	289,1
4 BELOX	5,2	2,1	164,1	148,1	145,1	113,1	111,1	95,1	94,1	62,1			
4 BEYOND	260,1	235,1	9,1										
4 BLICK	373,1	9,1	4,3										
4 BRACKET	108,1	3,1											
4 BREMER	11,1	5,1	2,1										
	3,2	2,3	232,2	195,1	184,1	159,1	142,1	111,1	104,1	97,1	69,1	33,1	23,1
4 BRIEFING	22,1	21,2	17,1	14,1	8,2	265,1	241,1						
	219,1	294,1	269,1	241,1	195,1	167,1	154,1	148,1	137,1	131,1	121,1	102,1	97,1
4 BRUMEN	81,1	69,1	40,1	15,1	5,1								
	348,1	330,1	309,1	284,1	257,1	225,1	2,1	1,2	107,1	91,1	56,1	9,1	424,1
4 CAIL	352,1												
4 CAP'DIPLAGE	12,1	7,2	6,1	51,1	46,1	30,1	19,1	242,1	235,1	88,1	64,1	62,1	
4 CAR	305,1	3,1	366,1										
	3,7	2,1	1,2	7,2	6,2	5,1	4,1	245,1	192,1	274,1	340,1	354,1	352,2
4 CARVAS	343,1	340,1	337,1	314,1	285,1	266,1	185,1	128,1	115,1	113,1	94,1	65,2	63,2
4 CAP	5,1	44,1	33,1	30,1	20,1	16,1	15,1	11,2	9,1				
4 CAPACITY	2,2												
	294	363,1											
4 CAPBIRETOR	2,1	280,3	270,1	242,1	148,1	131,1	105,1	98,1	69,1	61,2	56,2	51,2	39,2
4 CARE	34,1	4,4	3,3	22,2	17,2	7,1	5,5						
4 CAFRYING	123,1												
4 CEAS'D	10,1												
4 CHANCE	4,3												
	2,3												
	3,1	611,4	19,1	17,1	16,1	15,9	14,1	11,1	10,1	9,2	7,1	5,16	4,11
	345,1	336,1	424,2	376,1	373,1	372,1	371,1	368,1	366,1	362,1	359,1	358,1	357,2
	90,1	65,5	280,1	268,1	265,1	210,1	166,1	154,1	137,1	124,1	115,1	112,1	102,1
	22,2		63,1	59,1	56,1	55,1	51,1	43,1	40,1	38,1	31,2	26,2	23,1
4 CHANCE-OVER	2,1												
4 CHMELCUT	10,3	7,2	55,1	54,2	38,1	21,1	83,1						
4 CLEAR	370,1	369,2	368,1	358,3	357,2	356,1	354,1	347,2	346,2	110,1	64,1	10,1	3,2
4 CLEARANCE	368,1												
4 CLEFACED	369,1												
4 CLEST	1,1	5,2	3,2	10,1	370,1	369,1	119,1	18,1					
4 CRYSTANT	14,1	1,1											
4 CMFM	48,1												
4 DEAD-MAN	4,1												
4 DESIGNATE	3,1	1,1											
4 DIFSL	611,1												
4 DIG	3,3	119,1	10,1										
4 DIMNESS	363,1												
4 DIPECTION	369,1	360,1	280,1	218,1	62,1	61,2	60,2	56,2	53,1	52,4	51,9	50,1	49,3
	44,3	43,1	38,1	35,5	34,2	33,1	32,1	26,3	25,2	24,1	15,1	12,1	9,4
	8,1	7,2	4,1	3,2									
4 DOWN	309,1	284,1	257,1	370,1	353,2	330,1	3,1	1,1	225,1	100,1	148,2	147,1	91,1
	56,1	6,1	5,1										
4 DRIVE	9,3	8,2	7,3	3,3	115,2	46,1	10,2						
4 DRY	357,2	1,1											
4 CURT-G-OPERATION	21,1	14,1	2,1										

POS WORD LIST BY PAGE

4 DUST	424,1	260,1	257,2	228,1	227,1	226,1	225,2	157,2	6,3	149,1	108,1
4 EXTENSICR	140,3	91,2	72,2	56,2	309,2	286,2	284,2	274,1	331,1	330,2	318,2
4 EXTENSAL	35,1	5,3	3,1	231,1	49,1	57,1	50,1	33,2	32,1	48,1	41,1
4 FAF	312,1	14,1									
4 FAULTY	147,1	122,1									
4 FIGURE	2,1	26,1	11,1	6,1	44,1	49,2	42,1	41,2	40,1	38,2	35,1
	6,3	2,12	10,7	5,13	7,20	14,2	12,1	11,1	46,2	53,1	48,2
	6,1	22,2	21,1	20,2	15,2	75,1	78,1	77,1	76,1	58,2	56,1
	30,1	101,1	99,2	92,1	83,2	182,1	181,1	180,2	179,1	178,1	177,1
	108,1	75,1	59,3	202,1	186,1	150,1	353,1	306,1	285,1	277,1	226,1
	170,1	135,1	120,1	105,1	123,1	297,1	296,1	294,1	288,1	286,2	278,2
	220,1	217,1	212,1	208,1	352,1	262,1	261,1	261,1	240,1	245,1	248,1
	277,1	275,1	274,1	272,5	265,1	263,1	262,1	261,1	240,1	245,1	248,1
	247,2	245,1	244,5	233,1	231,1	228,1	204,1	207,1	306,1	305,1	303,1
	351,1	349,1	348,1	347,1	335,1	332,1	331,1	328,1	327,1	326,1	324,1
	322,1	310,1	376,1	375,1	355,1	361,1					
4 FLASH	21,2	14,1									
4 FLUORESCENT	2,4										
4 PRAYED	424,1										
4 FULL	21,1	14,2									
4 GACE	611,1	189,1									
4 GEN	44,1										
4 GULD	2,1	1,1	1,1								
4 GS	45,1	35,3	29,1	5,8	22,1	10,2	6,2	189,1	366,1	41,1	36,1
4 HARD	5,5	54,2	52,2								
4 HARDWARE	358,1	280,1	7,3								
4 HEAVY	3,1	424,1									
4 HEIGHT	4,1	354,1	201,2	7,1							
4 HOLE	4,3	8,1	119,3								
4 HUSING	36,1										
4 INITIAL	3,1										
4 INSPECT	38,1	52,4	49,4	48,3	43,1	33,4	35,5	16,3	15,3	14,1	28,2
4 INSPECTION	27,2	18,5	53,1	12,2	13,1	6,3	6,1	5,1	4,1	3,2	2,16
	1,3	67,1	60,2	185,7	161,1	141,1	126,2				
	42,1	52,1	18,1	10,1	7,1	35,1	30,1	25,1	192,1	128,1	66,1
4 INSULATION	424,1										
4 INTAKE	2,2										
4 ISSUE	178,1	17,1	102,1	97,1	69,1	137,1	117,1	115,1	43,1	40,1	53,1
	35,1	318,1	317,1	292,1	266,1	241,1	173,1	167,1	154,1		
4 KIRKS	15,1	158,1	141,2								
4 LB	158,1	9,1	8,2								
4 LEAD	12,1	2,2	158,1	141,1	10,2	8,3	169,1				
4 LENGTH	4,2	61,1	11,3	6,2	5,2						
4 LEVER	168,1	18,1	123,1	7,3							
4 LIFT	20,1	5,1	347,1								
4 LIFTING	3,1										
4 LIFEIP	353,1	319,1	299,1	275,3	231,3	7,3	4,4	18,1	153,1	138,1	106,1
	210,1	126,1									

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MUS WORD LIST BY PAGE

	211,1	192,1	187,2	225,2	206,2	257,1	252,1	239,2	130,1	128,1	125,2	172,1	113,2
4 PUBLICATIONS	60,1	37,6	66,1	63,1	91,2	62,1	107,2	109,1	94,2	92,1			
4 RADIOS	55,1	38,1	21,1	11,1	6,1	4,5	3,4						
4 RAISE/IDLER	7,4	8,4											
4 PLALIG	213,1	4,4	55,1	37,1	27,1	25,1	18,1						
4 PECEPTACLE	17,1	3,2	2,1	198,1	158,1	14,1,1	12,1	9,2	6,4	5,6			
4 PECEPTION	64,1												
4 RECORDER	14,1	9,1	7,1	4,6	2,1	57,1	48,1	50,1	32,1	23,1	163,1	144,1	115,1
4 REF	4,1	367,1	188,1	11,1									
4 REFL	6,1	5,1	4,2	238,2	66,1	8,1							
4 AFFAIR	5,1,4	2,1	6,3	130,1	32,1	8,1	7,7	611,2	357,1	194,1			
4 PERUITS	3,1	37,1	38,1	9,1	21,2	55,1	54,1	45,3	44,1	42,1	32,3	91,2	25,1
4 PEQUEST	3,1	2,2	19,2	4,2	63,1	62,1	59,1						
4 REQUISITION	24,1	22,2											
4 RF	2,1	6,2	4,2	198,2	134,5	61,6	56,3	94,3	11,1	10,2	9,6	55,4	34,3
4 PIGHT	26,3	25,3											
4 RING	9,1	5,2	3,1	1,1	352,1	218,2	10,1	14,2					
4 RCD	7,1	6,1	11,4	10,1	51,1	32,1	19,2						
4 SECURE	6,1	3,1,3	119,6	10,6	7,1	185,1	177,1	105,1	249,1	608,1	207,1	266,1	195,1
	205,1	272,4	248,1	244,4	242,1	210,1	170,1	270,1	74,1	70,1	158,1	151,1	5,4
	359,1	278,1	277,1	141,1	135,1	98,1	76,1	75,3	12,1	11,1	348,1	347,1	360,1
	3,3	2,1	8,2	7,4	10,4	46,1	40,1	15,1	48,1	37,1	65,2	348,4	367,4
4 SECURITY	2,1	16,1	20,1	32,1	25,1	34,1	58,1	50,1					
	36,1	4,1	3,2	14,1	10,1	5,1							
4 SETTING	225,1	62,1	61,1	60,2	157,1	145,1	140,1	128,1	115,1	113,1	107,1	94,1	91,1
	86,1	66,1	63,1	7,2	1,1	56,1	44,2	43,1	32,1	30,1	26,1	12,1	11,1
	218,1	192,1	166,1	343,1	365,1	330,1	337,1	350,1	235,1	238,1	266,1	257,1	314,1
	309,1	289,1	284,1										
4 SHELTER	1,4	3,1	2,1,1	4,2	17,1	15,1	28,1	25,1	20,2	5,12	6,4	14,2	8,6
	7,8	157,1	148,1	140,1	131,1	111,2	110,1	107,2	231,1	229,1	317,1	315,1	314,1
	313,2	312,1	309,4	292,1	288,1	286,1	284,4	270,2	258,1	257,4	242,2	235,1	232,1
	42,1	56,3	46,1	45,1	91,3	337,1	92,2	334,2	331,1	330,4	98,2	75,1	70,1
	69,1	63,1	61,2	60,1	57,1	245,4	173,1	345,1	344,1	343,1	342,1	340,1	364,2
4 SHERCOMINGS	362,2	360,1	198,1	204,1	203,1	201,1	208,2	207,2					
	157,1	144,1	140,1	163,1	284,1	257,1	225,1	187,1	107,1	91,1	125,1	4,5	56,1
	26,1	14,1	8,1	309,1	330,1								
4 SIMULTANECUSLY	10,1												
4 SLANT	7,1	3,2											
4 SLEDFE	6,1	9,1											
4 SPANFER	14,1												
4 STACK	61,10	59,4	56,2	54,1	44,6	41,4	19,1	20,1	184,1	182,1	179,1	178,1	360,1
4 START	18,1	8,2	7,1	2,6	15,3	123,1	21,1	20,1					
	189,1												
4 STARTER	193,1	185,1	181,1	20,1									
4 STATLS	30,1	12,1	46,1	64,1	62,1	140,1	105,1	184,2	21,2	2,8			
4 STEP	358,1	349,1	348,1	367,1	346,2	140,1							
4 STRAIGHT	358,1	353,2	14,1										
4 STRAIN	351,1	243,1	161,1	158,1	141,2	14,1	7,1	5,1					
4 STRAP	119,2	3,5											

8,1

4 SUP	307,1	8,1	328,1	317,1	292,1	210,1	188,1	100,2	10,1	7,2		
4 SUPERVISION	173,1	1,4	318,1	17,1	4,2	3,1	188,1					
4 SUPPLY	177,1	127,2	87,1	5,15	424,3	611,3	280,4					
4 SUPPORT	3,1	4,1	6,1	6,3	7,3							
4 SYMBL	339,1	8,3	5,1	270,1	242,1	98,1						
4 TAILOR	10,1	70,1	46,1	34,1	38,1	36,1	49,1	32,1	21,1	254,1		
4 TALK	19,1	88,1	55,1	31,1	25,1	10,1	7,8	6,1	5,9	46,2	44,3	43,4
4 TELEPHONE	34,3	33,2	32,3	36,2	35,4	32,1	299,2	3,2	2,4	267,1	246,1	265,1
	41,1	40,3	39,3	25,1	252,1	251,1	230,2	65,2	67,1	90,2	81,1	80,2
	264,1	258,1	257,1	35,1	91,1	242,1	241,4	235,1	238,1	114,1	110,1	96,2
	66,1	64,2	63,1	47,3								
	92,1	280,6	279,1	278,1	270,1	265,4	268,2	285,1	238,1	103,1		
	119,1	3,1							238,1	284,1		
4 THIMPSCREW	5,1	16,1	50,1	34,1	27,1							
4 TIGHTENING	350,1	119,1	7,1	3,1								
4 TIGHT	63,1	61,1										
4 TOLERANCE	61,1	7,2	5,1									
4 TOOL	280,1											
4 TRIP	83,2	63,1	15,1	7,1	282,1	223,1	233,1	238,1	104,2			
4 TRANSMISSION	545	4,1	45,5	44,3	61,10	60,3	47,1	46,1	29,2	28,4	63,4	26,3
4 TRUTHFUL	12,1	11,4	8,3	7,5	6,7						62,1	26,3
4 TRIM	12,2											
4 TURN	4,1	2,1	20,1	19,3	17,1	13,1	347,1	233,1	222,1	174,1	55,1	22,2
4 TURN-OVER	12,1											
4 TYPE	210,2	218,1	280,1	9,1	8,1	134,2	137,2	102,1	81,1	40,2	12,4	10,2
4 UNLOAD	308,1	369,2	370,1									
4 UNLOCK	7,1											
4 UNSCREW	14,1	7,1										
4 UNZIP	4,1											
4 VALVE	122,2	17,1	5,1	177,1	355,1	328,2	357,2	303,2				
4 VEHICLE	17,1	3,1	98,1	70,1	46,1	270,1	242,1					
4 VENT	3,2	229,2	67,2	37,2	41,1							
4 VENTILATION	3,1											
4 VERIFICATION	9,3											
4 VISUAL	424,1	142,1	128,1	30,1	17,1	19,1	14,1	23,1	23,1	60,1	37,1	44,1
4 WEATHER	337,1	11,1	330,1	18,1	32,1	30,1	26,2	142,1	319,1	317,1	314,1	266,1
	43,1	40,2	35,2	33,1	225,1	210,1	195,1	305,1	298,1	292,1	284,1	279,1
	257,1	241,1	238,1	235,1	340,1	343,1	9,2	7,1	4,2	1,1	173,1	167,1
	269,1	53,1	52,1	56,1	340,1	140,1	137,1	141,1	128,1	125,1	121,1	81,1
	164,1	157,1	154,1	148,1	145,1	140,1	115,1	113,1	107,1	102,1	97,1	
	69,1	66,1	64,1	63,1	61,1	54,1						
	142,1	149,1	161,1	126,2	1,1							
4 WEEKLY	5,1	7,5										
4 WIPCH	4,1	15,1										
4 WIPD	14,1	9,1	7,2									
4 WRENCH	3,1											
5 ACCURATELY	163,1	144,1	130,1	64,2	62,2	60,1	46,2	44,1	30,2	29,1	26,1	11,1
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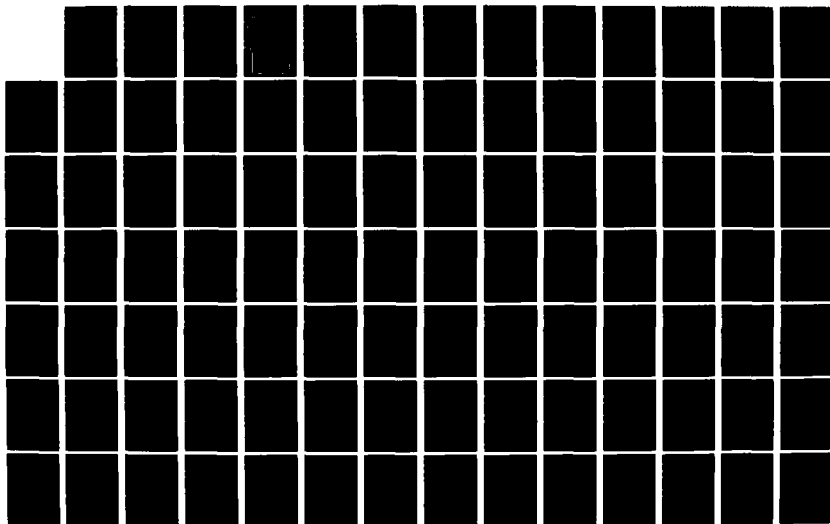
JOB LANGUAGE PERFORMANCE REQUIREMENTS FOR MOS 31M
MULTICHANNEL COMMUNICAT. (U) DEFENSE LANGUAGE INST
LACKLAND AFB TX ENGLISH LANGUAGE CENTER. 83 MAR 78

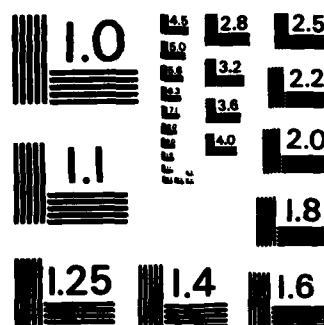
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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS - 1963 - A

DATE BRIGS & PAGE 28

AGE 1517 DROM SOM
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372.1	303.1
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523	
161.1	141.1
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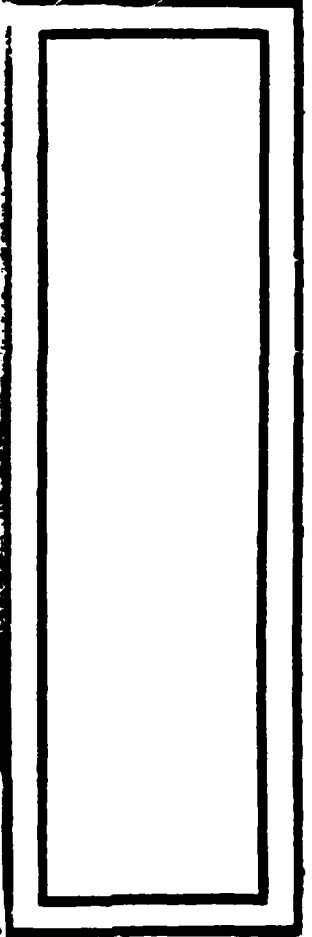
HEADQUARTERS

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UNITED STATES ARMY TRAINING AND DOCTRINE COMMAND

FORT MONROE, VIRGINIA 23651



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April 14

CONTROL CARD(S)

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1 ACCESSIBLE

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4 ACCESSORY

2 ACCIDENTAL

7 ACCOMPLISH

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1 DAMAGING

1 DAMP

2 DANKNESS

1 DATA

1 DATE

4 DAY

5 DAWLIGHT

2 DAYS

2 DE

1 DE

1 DEAD-MAN

1 DEALING

11 DEATH

1 DEBTS

15 DEC

1 DECESSION

1 DECISION

1 DECISIONS

1 DECONTAMINATE

5 DEER

1 DEER

15 DEFECTIVE

26 DEFECTS

1 DEFENSE

12 DEFENSE

6 DEFENSIVE

64 DEFICIENCIES

3 DEFICIENCY

1 DEFINED

2 DEFINITION

1 DEFINITIONS

2 DEGREE

5 DEGREES

1 DELAY

1 DEMAGULATE

3 DEMONSTRATED

4 DEMONSTRATED

1 DENOTES

1 DENYS

6 DEPARTMENT

20 DEFENDING

1 DEPICTED
DESCRIPT

14 DEPT

6 DEPRESS

3 DESCRIBED

3 DESCRIPES

2 DESCRIPTION

25 DESIGN

2 DESIGNATE

8 DESIGNATED

5 DESIGNATES

2 DESIGNATION

7 DESIGNED

1 DESIGNATED

2 DESIRE

10 DESIRED

1 DETACH

2 DETACHED

1 DETAILER

1 DETECT

2 DETECTED

1 DETERRICATION

42 DETERMINE

18 DETERMINED

1 DETERMINES

5 DETERMINING

2 DEVELOP

3 DEVELOPED

7 DEVICE

2 DEVICES

1 DI

20 DIAGRAM

5 DIAGRAMS

2 DIAT

12 DIALS

1 DICTATED

1 DIESEL

2 DIFFERENCES

1 DIFFERENT

2 DIFFICULT

5 DIG

2 DIGGING

1 DIMINISH

4 DIMENSION

1 DIM

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20 DIRECTED

1 DIRECTIVE

55 DIRECTION

3 DIRECTIONS

7 DIRECTLY

1 DIRECTS

9 DIRE

3 DIRECTLY

1 DISCHARGED

1 DISCONNECT

10 DISCONNECT

12 DISCONNECTED

1 DISCREPANCIES

1 DISCUSS

1 DISCUSSED

1 DISCUSSES

2 DISKS

12 DISTANCE

33 DISTANT

1 DISTRIBUTUTE

4 DISTRIBUTED

40 DISTRIBUTION

1 DISTURB

1 DIVISION

2 DIVISIONS

50

1 DIRECTED

1 DIRECT

10 DOCUMENT

4 DOCUMENTING

4 DOCUMENTS

27

2 DIRECTIVE

9 DIES

1 DIRECTIVE

1 DIRECT

1 DIRECT

1 DIRECT

4 DIRECT

2 DIRECTED

2 DIRECTLY

13 DIRECT

1 DIRECT

1 DIRECT

3 DRAINAGE

4 DEAN

2 DEAN

10 DEPRESSING

6 DEIVE

15 DIVEN

2 DRIVER

1 DRIVING

15 DRIP

1 DREF-INSERT

1 DROPPED

2 DROPS

3 DRY

10 DS

1 DUCT

4 DUE

1 DUG

13 DUNNY

1 DUNNY

3 DUPL

8 DUPLEXER

1 DUPRES

92 DURING

3 DURING-OPERATION

1 DUST

2 DUSTY

3 DUTIES

5 DUTY

1 DYING

119 E

1 E-S

1 E-A

1 E-M

1 EARMUFFS

1 EARNESTLY

1 EAT PLUGS

2 EARTH

4 EASIER

1 EASILY

28 EAST

1 EASTERN

5 EASY

1 EAT

1 EDCF

1 EOLE

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4	1	ELF
1	1	EFFECTIVE
1	1	EFFECT'S
1	1	EFFICIENCY
2	2	EFFICIENTLY
1	1	EFFECTS
1	1	EFFECT
5	5	EFFECTOR
1	1	EJECTED
1	1	EJECTION
1	1	EL-64
1	1	ELF
3	3	ELECTRIC
12	12	ELECTRICAL
1	1	ELECTRICALLY
7	7	ELECTROCUTION
2	2	ELECTROCHIC
1	1	ELECTROFICS
1	1	ELEMENT
4	4	ELEMENTS
3	3	ELEVATE
1	1	ELEVATED
5	5	ELEVATION
4	4	ELEVATION-DEPRESSION
12	12	ELEVATOR
1	1	ELIGIBILITY
2	2	ELIMINATE
1	1	ELIMINATED
1	1	ELIMINATION
1	1	ELSE
1	1	EMER
1	1	EMERGENCY
1	1	EMINENT
1	1	EMBODY
6	6	EMPLOYED
1	1	EMPLOYING
2	2	EMPTY
2	2	EN
1	1	ENCINATION
1	1	ENCLOSED
2	2	ENCOUNTER
1	1	ENCOURAGED
40	40	END
4	4	ENDEO

225

5	FMS
19	ENERGIZE
3	ENGAGED
5	ENGAGE
1	ENGAGED
3	ENGAGE'S
1	ENERGIZE
118	ENGINE
10	ENLISTED
4	ENOUGH
1	ENTANGLED
2	ENTR
4	ENTRIF
14	ENTRANCE
6	ENTRIES
9	ENTRY
18	ENVIRONMENT
1	ENVIRONMENTAL
5	EPMS
1	EQUAL
1	EQUIP
313	EQUIPMENT
1	EQUIPMENT/
1	EQUIPMENT/HEATER-2
1	EQUIPMENT/MATERIAL
1	EQUIPPED
1	EQUITABLE
16	ELECTED
1	ELECTING
3	ELECTION
1	EFFORT
1	EFFORTS
2	ES
1	ESC
24	ESTABLISH
18	ESTABLISHED
2	ESTABLISHING
7	ETC
1	ETHEREAL
1	ETHEREAL
6	EVALUATE
5	EVALUATED
1	EVALUATES
1	EVALUATING
15	EVALUATION

2 EVEN
1 EVENT
1 EVENTUAL
1 EVERY
1 EXACTLY

1 EXAMINATION
2 EXAMPLE
3 EXAMPLES
9 EXCEED

1 EXCEEDING
2 EXCEPT
4 EXCEPTION
1 EXCESS
1 EXCESSIVELY

3 EXCHANGE
1 EXCLUDING
3 EXPLICIT
1 EXHAUST
22 EXHAUST

2 EXISTING
1 EXPECT
4 EXPECTED
2 EXPERTS
1 EXPEND

2 EXPENDED
2 EXPERIENCE
1 EXPERT
1 EXPERTS
1 EXPLAIN

5 EXPLOSION
5 EXPOSE
2 EXPOSED
5 EXTEND
8 EXTENDED

76 EXTENSION
1 EXTENT
46 EXTENSOR
76 EXTENSIVE
50 EXTINGUISHED

3 EXTINGUISHER
4 EXTINGUISHES
1 EXTINGUISHING
1 EXTER
5 EXTRACTED

4 EXTRACTOR
1 EXTRACTS
2 EXTREMELY
8 EYE
EYE-LENS

1 CYCLET
1 CYCLES
1 CY-4
3 ES
3 E6

2 E7
1 E4
1 E8-9
77 F
26 FAC

7 FACE
5 FACEPIECE
1 FAGER
2 FACILITY
25 FACILITIES

9 FACILITY
4 FACING
12 FACTOP
7 FACTORS
2 FAIL

2 FALS
6 FAILURE
3 FALL
1 FALLOUT
1 FALSE

1 FAN
1 FAN
1 FATIGUE
13 FAULTY
1 FAULTS

16 FAULTY
2 F3A
5 FEATURE
3 FEATURES
4 FER

9 FEO
1 FEEL
21 FEET
1 FEMININE
1 FENCE

75 FIELD
1 FIELDS
3 FIELDS
1 FIELDS

3 FIFTY
20 FIG
20 FIGURE
11 FIGURES
2 FILL

1 FILLED
1 FILM
13 FILTER
1 FILTER/CONNECTOR
2 FILTERS

5 FIND
1 FINGER
5 FINE
1 FINGER
1 FINGERS

2 FLOUPE
46 FIRE
1 FIRE-FIGHT
1 FIRED
1 FIRED

1 FICE
7 FIRING
6 FIRM
26 FIRST
5 FIRST-AID

2 FIT
6 FIVE
2 FIVE
2 FLANGE
3 FLASH

1 SLASHING
7 FLAY
6 FLICE
10 FLOW
1 FLUWING

1 FLFE
1 FLIMS
4 FLUORESCENT
1 FLUSHED
240 FV

9

FREQUENTLY

1 FREQUENTLY

106 FROG

30 FROG

2 FROZEN

10 FSN

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45 FUEL

5 FULL

1 FURLEST

14 FULLY

25 FUNCTION

1 FUNCTIONAL

13 FUNCTIONIS

1 FUNDAMENTALS

2 FURNISHED

4 FURTHER

4 FURF

16 FURFE

2 FUTURE

1 FUZZY

24 FV

44 G

5 GAGE

2 GAIN

1042 GARRISON

7 GAS

2 GASES

52 GASOLINE

1 GASOLINEAMP

1 GEN

1 GENDEPS

29 GENERAL

1 GENERALLY

1 GENERATED

146 GENERATOR

24 GENERATORS

1 GENERATOR

1 GEORGAMIC

1 GEORGIA

4 GEM

1 GETTING

8 GIVE

27 GIVEN

2 GIVES

4 SLOW

1 SLOW

2 GY

1 GOAL

1 GOALS

3 GOLF

3 GOING

2 GOLF

30 GOLF

1 GOLF

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GUYS

1	11-154
2	4-91
3	120
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1 WFLPTT
1 JELPING

1 WFR

19 WERE

3 WETZ

1 WY-SAYO

1 WIDEN

9 WICH

11 WIGMP

1 WIGHER-ECHELON

7 WY

1 WINGE

22 WIS

1 WIS/

12 WIS/ICE

1 WIT

1 WJC

19 WILD

5 WLOFF

6 WOLDERS

3 WOLDING

12 WOLE

5 WOLFS

4 WOOD

7 WOODZONAL

2 WORN

7 WOSE

1 WOSSES

1 WOT

4 WOUR

19 WOURS

1 HOUSING

10 WNU

19 WNWEVER

3 W?

2 WUM

30 WZ

1 W?

1 WAGAM

28 WAK

1 WCE

2 IDENTICAL

15 IDENTIFIED

3 IDENTIFIES

11 IDENTIFY

2

101F

2 IL

305 IF

32 IF

33 IF

1 III-1

5 III-2

4 III-3

1 III-4

24 IL

1 IL-1

2 IL-2

3 IL-3

2 ILLUSTRATED

10 IMAGE

2 IMAGINARY

3 IMMEDIATE

12 IMPROVATELY

1 IMPROMENT

1 IMPACT

9 IMPACTANT

1 IMPROPER

1 IMPROVE

2 IMPROVEMENT

2 IMPROVING

1 IMPRO

12 IN-1

12 IN-2

1 IN-3

1 IN-4

1 INCANDESCENT

11 INCLUDES

36 INCLUDE

1 INCLUDED

7 INCLUDES

17 INCLUDING

4 INCLUDING

1 INCORPORATE

5 INCORRECT

3 INCREASE

1 INCREASED

1 INCREASES

4 INDEY

6 INDICATE

4 INDICATED

235

41	INDICATES
2	INDICATING
26	INDICATIONS
37	INDICATOR
5	INDICATORS
1	INDISTINCT
28	INDIVIDUAL
2	INDIVIDUALS
2	INFANT
2	INFORM
18	INFORMATION
2	INFORMED
2	INFORMS
1	INHERENT
1	INITIAL
1	INITIALLY
1	INITIATIVE
1	INJECT
2	INJECTION
5	INJECTOR
1	INJECTORS
5	INJURY
2	INLET
1	INNER
20	INPUT
1	INS-URE
1	INS-URE
18	INSECT
1	INSECTED
6	INSIDE
91	INSPECT
2	INSPECTED
2	INSPECTING
15	INSPECTION
99	INSTALL
57	INSTALLATION
1	INSTALLATIONS
16	INSTALLED
1	INSTALLING
1	INSTANCES
4	INSTRUMENT
1	INSTRUCTION
49	INSTRUCTIONS
1	INSTRUCTOR

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104 IN-USE

1 INSURES

1 INSURING

1 INTACT

2 INTAKE

1 INTENDED

1 INTER-COMMUNICATION

12 INTEREST

8 INTERCOM-PHONE

4 INTERCOMUNICATION

2 INTERCOMUNICATIONS

1 INTERCONNECT

2 INTERCONNECTING

1 INTERCONNECTION

2 INTEREST

1 INTEREST

2 INTERFERENCE

44 INTERIOR

5 INTERLEAVED

20 INTERNAL

1 INTERPRETATION

47 INTERAUNT

1 INTERVALS

50 INTO

1 INTRODUCED

2 INFORMATION

2 INVESTIGATION

1 INVOLVED

3 INVOLVES

1 IRREGULAR

16 IRREGULARITIES

43 IS

1 IS-DE

70 ISOLATE

1 ISOLATED

8 ISOLATING

24 ISSUED

10 ISSUED

25 IT

1 IT-WAS

22 ITEM

1 ITEMIZE

56 ITEMS

28 ITS

6 IV

2 IV-1

2 IV-2

1 IV-3

2 IV-4

1 IV-5

12 J

1 J-AV

1 J-1017/J

2 JACK

2 JACKS

1 JAMING

63 JAN

12 JON

1 JONS

1 JOINT

1 JP

1 JUDGMENT

23 JUL

25 JUN

2 JUST

1 JUL

12 K

14 KESP

2 K

3 KEPT

2 KEY

1 KEYFO

2 KG-27

2 KG-27LE

1 KG-27IN

1 KG27

5 KINGC

15 K

1 KIEF

1 KNFEI

6 KNGB

12 KNPC

2 KNOW

2 KNOWLEDGE

1 KNOWLEDGE

17 KNOWN

10A-2247/SEC

340 KU

14 L

1-3
LA-2475/EL

3 LAMP
3 LAMPED
3 LAMP

5 LAMP
16 LAMP
6 LAMP
3 LAMP
2 LAMP

1 LARGE
1 LARGE-SCALE
1 LAST
1 LATED
22 LAUNCHER

22 LAU
1 LAY
3 LAYOUT
5 LW
26 LEAD

1 LEAPERS
1 LEAPSHIP
2 LEAP
0 LEAPS
1 LEAP

2 LEAPY
2 LEAPED
6 LEAPS
2 LEAVE
1 LEAVES

0 LEFT
6 LEG
5 LEGS
10 LENGTH
52 LEGS

10 LESSON
20 LESSONS
1 LET'S
1 LET
7 LETTER

27 LEVEL
2 LEVELD
2 LEVELING
2 LEVELIC
1 LEVEL2

7 LEVFF
LEVERAGE
2 LIPPAPIES
3 L'NEADY
1 LICENSE

3 LIFS
1 LIU
1 LIFE
7 LIFE-SAVING
3 LIIT

1 LIFTING
35 LIGH
13 LIGHTING
2 LIGHTLY
24 LIGHTS

4 LINE
41 LKLY
1 LIMITED
25 LINE

1 LINE-OF-SIGHT
2 LINEAR
20 LINES
46 LINTUP
25 LINK

15 LINKAGE
2 LINT-FRSE
14 LIST
24 LISTED

6 LISTEN
1 LISTENING
4 LISTING
12 LIST-C
1 LI

1 LITIFF
1 LITULE
1 LIVE
2 LU
LN-TALLATICH

12 LG
15 LOGS
50 LOGS
1 LOADED
1 LOADING

9

100A1
100/L122
1 LOCKED
4 LOCKING
5 LOCATE

20 LOCATED
40 LOCATING
1 LOCATIONS
3 LOCATOR
5 LOCK

1 LOCKED
3 LOCKING
7 LOCKPIN
16 LOG
1 LOGICAL

14 LOGS
7 LOGS
1 LOCK
1 LOCKING
1 LOCK

26 LOGS
26 LOCK
2 LOCKPIN
26 LOCK
2 LOOSELEAF

2 NO. 1 LOCKER
1 LOCK
1 LOCK
5 LOGS
1 LOCKER

20 LOW
1 LOW-DENSITY
21 LOW
1 LOCKER
2 LOCKER

3 LOWEST
23 LS-147
3 LS-147/F1
5 LS-147/F1
2 LS-147/F1

1 LS-147/F1
3 LS-147/F1
1 LOCKER
2 LOCKERS
2 LOCKER

3 LUBRICATING
2 LUBRICATION

6 LUG
1 LUGS
2 LYING

2 L0
1 L001

4 L1
7 L2
2 L3

1 L4
1 L5
1 L60F
1 L7
9 M

1 M-201-91
1 MACHINE
1 MACHINEGUN
32 MSH
11 MAGAZINE

4 MAGAZINES
1 MAGNETIC
1 MAG
23 MAIN
1 MAINTENANCE

4 MAINTAIN
2 MAINTAINED
3 MAINTAINING
1 MAINTAINS
301 MAINTENANCE

26 MAJOR
125 MAVE
2 MAVER
20 MAKING
1 MALE

27 MALFUNCTION
5 MALFUNCTIONS
1 MAINTENANCE
5 MARI
32 MARRIAGE

1 MANAGER
1 MANEUVERING
1 MANIPUL
1 MANIPULATING
2 MANIP

9

MANFQUIN

MANFQUIN

MANFQUIN

109 MANFQUIN

6 MANFQUIN/AUTOMATIC

1 MANFQUIN

10 MANFQUIN

1 MANUFACTURERS

1 MANFQUIN

25 MANFQUIN

14 MANFQUIN

1 MANFQUIN

2 MANFQUIN

6 MANFQUIN

3 MANFQUIN

1 MANFQUIN

2 MANFQUIN

2 MANFQUINSHIP

1 MANFQUINSHIP

1 MANFQUINSHIP

1 MANFQUIN

1 MANFQUIN

33 MANFQUIN

3 MANFQUIN

1 MANFQUIN

2 MANFQUIN

10 MANFQUIN

23 MANFQUIN

20 MANFQUIN

1 MANFQUIN/CLAVE

4 MANFQUIN

1 MANFQUIN

1 MANFQUIN

50 MANFQUIN

4 MANFQUIN

1 MANFQUIN

2 MANFQUIN

10 MANFQUIN

100 MANFQUIN

1 MANFQUIN

1 MANFQUIN

3 MANFQUIN

1 MANFQUIN

8 MANFQUIN

1 MANFQUIN

243

18 MEASURE
1 MEASURED
9 TENSIFEMENTS
199 MEASURES
1 MEDICAL

21 MEDIUM
2 MIST
1 MIST
11 MIST
56 MISTERS

1 MEMOV
1 MENTING
1 MENTIONED
17 MOP-016A
2 MOP-016A

1 MOP-016A'S
1 MOP-017
9 MOP-017A
1 MOP-018
1 MOP-105A

1 MOP-018A
1 MEASURE
1 MET
1 METAL
130 METE

16 METERS
1 METHOD
5 METHODS
1 METHOD
1 MIZ

1 MIO
4 MIOLE
4 MIOHENT
1 MIOHENTION
2 MIOH

1 MIOHARY
2 MIOHARY
10 MILE
1 MILEAGE
16 MILES

56 MILITARY
3 MINIMIZE
13 MINIMUM
2 MINUTE
77 MINUTES

ALLOCATION

7 1000000

10 1000000

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2 MOVEMENT
3 MOVING

4 MCH

5 MFC-315

6 MFC-127

7 MFC-73

8 MFC-11

9 MFC-11C

10 MFC

11 WHEELER

12 MOLT

13 MULTI-CHANNEL

14 MULTICHANNEL

15 MULTIMATE

16 MULTIMETER

17 MULTIPLE

18 MULTIPLEX

19 MULTIPLEXER

20 MULTIPLEXERS

21 MULTIPLEXING

22 MUSCLE

23 MUST

24 MUST

25 MUSTLE

26 MUSTS

27 MTC

28 M1/2

29 M1/3

30 M1/6

31 M1/7

32 M1/8

33 M1/9

34 M1/10

35 M1/11

36 M1/12

37 M1/13

38 M1/14

39 M1/15

40 M1/16

41 M1/17

42 M1/18

43 M1/19

44 M1/20

45 M1/21

46 M1/22

47 M1/23

48 M1/24

49 M1/25

50 M1/26

51 M1/27

52 M1/28

53 M1/29

54 M1/30

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NEED
NEED-TO-KNOW

8 NEEDS

1 NEEDLE

9 NEEDS

4 NEON

4 NERVE

4 NERVE-AGENT

2 NETWORKS

4 NEUTRAL

1 NEVER

4 NEW

12 HEAT

4 NIGHT

1 NIENT

40 NO

15 NOISE

1 NON-AFTERAL

1 NON-PA

20 NON-SECURE

4 NONACTIVATION

5 NONSECURE

20 NON-4

21. NORMAL

57 NORMALLY

4 NO

4 NOSE

2 NOSECUP

157 NO

241 NO-F

2 NOTE

29 NOTEN

9 NOTISS

6 NOT-IFV

4 NOT-IFV

23 NOV

29 NOW

24 NUCLEAR

46 NUNNERS

7 NUNNERS

1 NUIE

11 0

2 O/C

2 O/W

3 OJECT

2 OJECTIVE

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2 SUBJECTS

1 INVESTIGATION

17 INTERVIEW

5 INTERVIEWED

1 OBSERVERS

1 OBSERVER

1 OBSERVING

4 OBSERVED

1 INSTRUCTIONS

8 OBTAIN

5 OBTAINED

2 OBTAINING

2 OBTAINING

6 OCCASIONAL

5 OCCURS

31 OCT

1 OFFERLESS

907 OF

45 OFF

1 OFF-RUN

1 OFF-SEND

1 OFF-RUN

3 OFF-SEND

3 OFFERED

1 OFFICE

2 OFFICERS

1 OFFICIAL

1 OFFER

20 OIL

1 OILS

1 OILY

5 CL

1 OILY

772 ON

2 ON-SET

1 ON/OFF

11 ONCE

14 ONCE

14 ONCE

12 ONLY

1 ONO

32 OPER

2 OPERATE

4 OPERATION

4 OPERABLE

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15	OPERATE
16	OPERATING
17	OPERATING
40	OPERATING
132	OPERATION
43	OPERATIONAL
47	OPERATIONAL
09	OPERATOR
07	OPERATOR/CRWM
1	OPERATORS
133	OPERATORS
2	OPERATIONS
1	OPERATIONALITIES
1	OPERATED
0	OPER
1	OPER/READ/ZERO
2	OPER/TEST
2	OPER/TEST
1	OPER-TOTAL
475	OP
1	OPAN/TPC-12A
1	OP-AGE
03	OP-AGE
02	OP-AGE
3	OP-AGE
132	OP-AGE
1	OP-AGE-VIDEO
1	OP-AGE/CIRCUITS
3	OP-AGE
5	OP-AGE
40	OP-AGE
1	OP-AGE
1	OP-AGE
11	OP-AGE
4	OP-AGE
9	OP-AGE
2	OP-AGE
1	OP-AGE
132	OP-AGE
42	OP-AGE
04	OP-AGE
2	OP-AGE

2	QUIP
2	QUIP
1	OUTLET
1	OUTLETS
2	OUTLINE
36	OUTLINE
18	OUTLINE
1	OUTSPTS
1	OUTSIDE
23	OVER
1	OVERALL
1	OVERCHECK
1	OVERCLOCK
1	OVERHEAT
1	OVERHEATING
1	OVERHEATING
1	OVERLOAD
1	OVERMODULATE
1	OVERVOLTAGE
22	OW
2	OWN
9	P
1	PACK
1	PACKAGING
1	PAD
17	PAGE
1	PAGES
2	PAGE
1	PAINT
3	PATD
4	PATDS
4	PATLEY
1	PATM
1	PATMS
5	PAM
2	PAMPHLET
1	PAN
1	PANCI
5	PANELS
1	PANF16P2
1	PAPER
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PARAPET

37 DATE
6 PARTICULAR
1 PARTICULARLY
23 DATE

1 PASS
6 PASSAGE
51 PASSING
2 PATCH
2 PATCHED

1 PATCHIN
21 PATCHING
9 PATCH
1 PATCHS
2 PATIENT

2 PATROLLING
1 PATTER
2 PAV
2 PER
23 PER

1 PCM-IN
1 PCM-TO-PCM
1 PCM-VISEN
1 PCM-VISEN-1
22 PERK

2 PER
2 PERCENT
1 PERFECT
1 PERFECTLY
199 PERFORM
247 PERFORMANCE

4 PERCENT
1 PERFECT
1 PERFECTLY
199 PERFORM
247 PERFORMANCE
172 PERFORMED
62 PERFORMING
8 PERFORMS
1 PERFECTED
4 PERFECT

1 PERIODICALLY
1 PERIODS
1 PERMIT
2 PERMITS
4 PERSON

PERSONAL

13 PERSONNEL

1 PERMANENT

4 PERMANENT

1 PETROLEUM

22 PHASE

14 PHASE

1 PHOTOGRAPH

12 PHYSICAL

2 PHYSICALLY

5 PICKS

6 PICTURE

1 PIN

1 PINPOINTING

1 PINS

1 PIONEER

1 PIPED

105 PLACE

7 PLACED

5 PLACEMENT

21 PLACING

1 PLAN

1 PLANNED

1 PLANNING

3 PLATE

6 PLATFORM

1 PLATOON

1 PLOT

3 PLUG

3 PLUGE

1 PLUS

1 PUCKET

2 PUCKETS

37 PUNIT

1 POINTED

2 POINTING

21 POINTS

1 POLICING

1 POLICINGUS

14 POL

2 POLARIZATION

1 POLARIZING

1 POLICE

1 POLICY

4 PUNCH

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9

POSITION/MS

POSITION

20 POSITIVE

21 POSITIVE

22 POSITIVE

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24 POSITIVE

33 POSITIVE

4 POSITIVE

15 POSITIVE

2 POTENTIAL

26 POTENTIAL

1 POWERED

1 POWERED

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4 PRACTICE

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1 PERFECTED

14 REFERENCE

14 REFERENCE

1 PRESENTS

22 PRESENT

5 PRESENTS

3 PRESENT

2 PRESENTING

15 PRESSURE

1 PRESSURES

1 PREVENTING

9 PREVENT

1 PREVENTING

112 PREVENTIVE

2 PREVIOUS

2 PREVIOUSLY

1 PRICE

2 PROBABLY

43 PROBABLY

1 PRINCIPLES

1 PRINTED

1 PRINTING

16 PRICE

1 PROBABLY

1 PROBABLY

2 PROBLEM

1 PROBLEMS

1 PROBE

44 PRODUCE

33 PRODUCTIONS

2 PROCEED

2 PROCEED

1 PRODUCE

1 PROFESSIONAL

1 FREQUENCY

2 EFFICIENT

1 PROCEED

2 PROCEED

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1 PROMOTED

1 PROMOTIVE

1 PROMOTION

2 PROMOTED

1 PROMOTED

9

1. PUBLICATIONS

2. PAPER

3. PRESLEY

4. PROPOSED

5. PROTECT

6. PROTECTED

7. PROTECTION

8. PROTECTIVE

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253

9	PMF
1	POSITION
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3	OPERATORS
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1	OFFICIAL
12	QUALIFICATION
2	QUALIFICATIONS
2	QUALIFIED
1	QUALITIES
4	QUALIFY
1	QUESTIONS
1	QUESTIONS
4	QUICK
1	QUIET
1	QUICK
1	0
1	2-1329
49	2-1321
2	2-1321.5
2	BACK
14	BACKS
1	BACKS
249	RADIO
12	RADIO-ID-CABLE
1	RADIO-ID-RADIO
2	RADIO-ID-CABLE
1	RADIOCABLE
5	RADIOLOGICAL
2	RADIOS
4	RADIOS
2	RADIO
1	RADIO
4	RAGE
1	RAILROADS
8	RAISE
5	RAISE/LOWER
4	RAISING
9	RANGE
2	RANGES
2	RANGES
1	RADIOLY
2	RATED

256

9

11. LATING

12. LATION

13. LATE

14. LATE

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257

1 PROGNOSIS
2 RECORDINGS
3 RECORDINGS
4 RECORDS

5 RECORDS
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35 RECORDS
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37 RECORDS
38 RECORDS
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41 RECORDS
42 RECORDS
43 RECORDS
44 RECORDS

258

9

REMAIN
REMAINING
1 REMAINING
2 REMAINING
REMAINING-LOCAL

4 REMAIN
5 REMAIN
6 REMAIN
7 REMAINING
8 REMAIN

1 REMAINING
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3 REMAINING
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175 REPEATERS
3 REPEATERS
4 REPEATERS
1 REPEATERS
2 REPEATERS

7 REPLACING
1 REPLACING
2 REPLACING
3 REPLACING
4 REPLACING

2 REPAIRS
4 REPAIRS
5 REPAIRS
6 REPAIRS
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141 REPAIRS
6 REPAIRS
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1 ROTATE
2 ROTATION

3 RUN
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2 SEATED
2 SEATS

1 SEC
13 SECOND
13 SECONDS

2 SECT
139 SECTION
16 SECTIONALIZE
4 SECTIONALIZING
2 SECTIONS

2 SECTOR
52 SECURE
4 SECURED
1 SECURELY
2 SECURENESS

27 SECURITY
1 SEDIMENT
272 SFF
2 SFFK
1 SEEKING

3 SEEN
52 SEL
64 SELECT
5 SELECTED
4 SELECTING

2 No. 49 SELECTOR
1 SELF
1 SELF-STUDY
1 SEMI
2 SEMIREFINEMENT

7 SEND
5 SENDING
4 SENTRY
1 SENSE
46 SENT

14 SEP
1 SEPARATE
5 SEPARATED
2 SEPARATELY
1 SEPARATES

2 SEPARATION
21 SEQUENCE
3 SET
50 SEQUENCE
1 SERIAL

262

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263

1 SHOVELS

34 SHOVEL

4 SHOCKS

1 SHUT

2 SHUTTER

13 SIDE

1 SINCRODIE

17 SIG

7 SIG-1

2 SIG-2

2 SIG-201

27 SIGHT

3 SIGHTS

2 SIGN

224 SIGNAL

1 SIGNALING

12 SIGNALS

1 SIGNIFICANT

4 SIGNS

3 SILENCE

16 SIMILAR

1 SIMPLE

2 SIMULATED

1 SIMULTANEOUSLY

2 SING

12 SINGLE

1 SINGLE-STACK

62 SITE

2 SITES

26 SITUATION

1 SITUATIONS

1 SIX

3 SIZE

17 SIZE

20 SKILL

3 SKILLED

3 SKILLS

2 SKIN

2 SLACK

1 SLANT

1 SLANTED

17 SLAVE

23 SLEDGE

4 SLIDE

1 SLIDING

2 SLIGHTLY

SLIP

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CLIPPING

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SL1

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26

16 SPECIFIC

10 SPECIFIED

1 SPIN

5 SPEED

1 SPINE

3 SPLASH

1 SPLINT

1 SPLINTS

1 SPLITS

1 SPRAY

1 SPREAD

19 SOT

1 SOT-2

1 SOT-3

1 SOTS

1 SQUADS

3 SQUENCH

1 SSG

1 STABLE

19 STACK

1 STAGE

15 STAGE

7 STAGES

31 STANDARD

19 STANDARDS

2 STANDING

1 STANDARDS

1 STAP

2 STAP-SIDP

4 STAPED

4 STAPED

12 STAPING

5 STAPIC

5 STAPIS

1 STATED

2 STATEMENT

9 STATION

5 STATIONS

5 STILIUS

2 STEADY

72 STEP

13 STEP-AY-STEP

14 STEP

5 STILL

9

1 STAY
2 STAY
3 STAY

4 STOP
5 STOP
6 STOP
7 STOP

17 STOPPING
18 STOPPING
19 STOPPING
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22 STOPPING

4 STRAIGHT
5 STRAIGHT
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7 STRAP
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9 STRAP
10 STRAP
11 STRAP
12 STRAP

1 STRUCTURE
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12 STUDYING
13 STUDYING
14 STUDYING
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16 STUDYING
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1 SUB
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12 SUBSTITUTE
13 SUBSTITUTE
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2 SUFFICIENTLY
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1 SUPERFICIAL

1 SUPERINTENDENT

2 SUPERVISING

9 SUPERVISION

10 SUPERVISOR

1 SUPERVISORS

1 SUPERVISOR

9 SUPPLEMENT

9 SUPPLY

33 SUPPLY

1 SUPPORTING

20 SUPPORT

4 SUPPORT

2 SUPPORTING

12 SUPPORTED

1 SUPPORTED

2 SW

1 SWEATING

303 SWITCH

7 SWITCHBOX

93 SWITCHES

1 SWITCH

1 SWITCH

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268

A TAVIGATE

43 T.V.F.

20 TANKH

3 TAKES

1 TAKING

11 TALK

11 TALK/OFF/SIG

20 TANKS

1 TAUGHTEN

14 TANK

3 TANKS

2 TRO

7 TARGET

2 TAPG--C

11 TAPPAULIN

1 TAPPULINS

515 TASK

1 TASK-RAISED

41 TACKS

1 TASC-02

4 TAVIT

3 T312/ET

4 TR

1 TC

1 TD-702

31 TD-202

31 TD-202/11

6 TD-202/11

69 TD-204

52 TD-204/11

3 TD-206/11S

1 TD-206/754.15

2 TD-206.15

4 TD-206

2 TD-206/13

5 TD-206/11

2 TD-206.15

1 TD-202/ET

27 TD-202

23 TD-202/11

1 TD-202/11S

6 TD-202.15

5 TD-202/11

23 TD-202

16 TD-202/11

632

TEST

2 TEST/CO2

3 TEST/CO2

6 TEST/CO2

26 TESTING

1 TESTING

21 TESTS

18 TEXT

1 TEXTS

67 TE

1 TFC

1 TFC-4210

1 TFC-4227

2 TH

29 THAN

340 THAT

3.246 THE

1 THE-DIFFERENCED

2 THE-F

10 THE-10

20 THEM

1 THEMSELVES

25 THEN

27 THERE

2 THEREFORE

4 19 THESE

10 THEY

1 THICK

1 THIGH

2 THIN

4 THIN

232 THIS

1 THIE

2 THROUGH

26 THOSE

1 THREE-DEED

2 THREE-DEEDS

2 THREE

1 THREE-MAN

1 THREE-PIG

76 THE-CURM

3 THE-CURMOUT

7 THE-CURM

14 THE-CURM

271

1	THUMMS
2	THUMMSCEA
5	TIE-DOWNS
4	TIGHT
11	TIGHTEN
1	TIGHTENING
3	TIGHTNESS
4	TILT
4	TIN
75	TINE
1	TIMED
3	TIMES
54	TIMING
1	TIMINGIN
1	TIMINGCUT
1	TIPN
2	TIPS
1	TIPED
1	TITHE
11	TITLE
334	T4
96	TMS
3	TMR-750
1,535	TN
1	TO-AUX
1	TO-TANK
8	TOGETHER
4	TOLD
2	TOLERANCE
54	TONE
1	TONE-OFF
1	TONE/OFF
4	TOP
4	TPOOL
92	TORTLS
11	TOP
2	TOPGRAPHIC
4	TOPS
1	TORN
2	TOTAL
2	TOUNCH
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1	TOUTINGIFT
4	TOUTINGIFT
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2 TWIST

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3 TWO-WAY

20 TYPE

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6 TYPICAL

1 TYPE

3

1 UG-1274

2 UG-1275

1 UG-1275/U *

1 UG1274

4 UNATTACHED

4 UNQUALIFIED

1 UNCOMPLETED

3 UNCONSCIOUS

1 UNCONTROLLED

5 UNCORRECTED

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92 UNDER

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145	USE
44	UPPER
2	USCS
64	USING
4	USUALLY
4	UTILIZATION
6	UTILIZING
272	V
1	V-1
1	V-2
2	V-3
1	V-4
40	VAC
10	VALVE
6	VEGETABLE
13	VILLY
6	VOC
5	VEGETATION
4	VE
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2	VEHIC
1	VENTILATION
1	VENT
1	VERIFICATION
10	VERIFIED
2	VEGETATES
2	VERIFY
1	VEFICION
2	VERTICAL
1	VERTICALLY
2	VI
4	VI-1
2	VI-2
5	VI-3
4	VI-4
1	VI-5
6	VICINITY
132	VIDEO

275

72 VIEW

1 VIEWS

2 VII

3 VII-1

4 VII-2

5 VII-3

6 VII-4

7 VIII

8 VIOLATION

9 VISIBILITY

10 VISOR

11 VISION

12 VISUAL

13 VV4

14 VOICE

15 VOICEMITTER-OUTLET

16 VOLT

17 VOLTAGE

18 VOLTAGES

19 VOLTMETER

20 VOLTS

21 VOLUME

22 VV417

23 VV-1648

24 VOLTS

25 VV

26 VV

27 VV

28 VV

29 VV

30 VV

31 VV

32 VV

33 VV

34 VV

35 VV

36 VV

37 VV

38 VV

39 VV

40 VV

41 VV

42 VV

43 VV

44 VV

45 VV

46 VV

47 VV

48 VV

49 VV

50 VV

WITTS
INVENTED

4 AV
5 WYS
3 WC

17 WD-1
2 WD-TALL
3 WF
1 WEAK
7 WEAPON

1 WEAPON'S
2 WEAP
3 WEARING
AT WEATHER
4 WEEK

6 WEEKLY
2 WEIGHT
7 WFL
1 WELL-TRAINED
1 WELL-TRAINED

5 WOLF
31 WEST
2 WFF
11 WHAT
1 WILLISDEVER

2 W-S
5 WHEEL
5 WHEELS
75 WIKI
1 WIRELESS
15 WIRE

1 WIRELESS
49 WICH
17 WILE
1 WILP
6 WILIE

9 WIC
1 WUY
1 WI
1 WIDE
1 WIDE

632 WILL
2 WILLING
6 WICH
2 WIND
3 WINDS

1 WINTER

47 WIFE

20 WIFE

2 WIFE

397 WITH

350 WITHIN

15 WITHOUT

1 WITHSTAND

1 WILL

1 WONDERING

2 WOOD

30 WORK

1 WORKERS

10 WORKING

3 WORKSHEET

1 WORK

12 WORLD

21 WOUND

1 WOUNDED

1 WOUNDS

2 WEAP

2 WEAVING

4 WEATHER

4 WEATHERS

2 WEAVING

6 WEATHER

1 WEATHER

2 WEATHER

1 X

18 XMTF

2 YEAR

15 YELLOW

1 YES

1 YES

405 YOU

1 YOUARE

1 YOUNGER

259 YOUR

3 YOURSELF

4 ZEPHED

[illegible]

279

WORD FREQUENCY DISTRIBUTION
FREQUENCY/WORD

FREQUENCY/WORD

FREQUENCY/WORD

904 THE	1,065 AND	1,559 TO	1,426 A
905 IN	903 DE	172 CH	737 FOR
906 SET	522 TERMINAL	515 R	515 TASK
489 IS	474 OF	465 RADIO	432 WILL
483 WE	413 CABLE	405 YOU	403 WAPA
504 TO	380 PERFORM	375 V	347 ALL
449 EFF	340 THAT	317 WITH	312 EQUIPMENT
306 FLUX	304 SYSTEM	292 SWITCH	292 THIS
296 AS	277 ARE	265 CHECK	291 C
260 BY	259 YOUR	273 SEE	261 NOTE
234 SIGNAL	232 CHECKS	220 BY	237 PC4
200 STAFF	205 IF	212 TEAM	211 POSITION
185 2	187 CABLES	194 IMPURE	189 WEAPONS
162 OPERATION	163 VIDEO	185 CONDITIONS	186 GENERATOR
175 OPERATE	175 REPEATER	180 METER	177 BY
142 MUST	157 CONNECT	173 ALIGNMENT	173 PERFORMED
147 PERFORMANCE	146 ANTENNA	157 HOT	149 SHELTER
141 EQUIPMENT	139 SECTION	146 USE	144 CHANGES
123 PROCEDURES	123 TROUBLESHOOTING	137 LEVEL	138 HAVE
122 TAKE	120 DEFECT	125 TELEPHONE	123 COMPONENTS
123 TAKE	120 OPERATOR'S	122 CONNECTIONS	121 CONTROL
110 21	110 E	118 ENGINE	112 PREVENTIVE
112 TRAINING	111 CAUTION	110 FIG	110 WITHIN
108 DA	108 MANUAL	107 CHIEF	107 DAILY
104 224	105 CHANGE	105 PLACE	104 ENOW
102 INNOVATION	102 OPERAIRE	100 MAY	98 OPERATOR
952 IN 2	95 REFERENCES	94 HAS	94 REFER
91 LOBBACK	92 SETS	91 INSPECT	91 IT
91 PROPER	89 STANDARDS	89 AC	89 GROUND
89 TROUBLE	87 ADJUST	86 BEEN	85 THIS
85 SERVICES	84 ENTRANCE	84 TACTICAL	81 WEST
83 SERVICES	83 TOWLS	82 DURING	9 TO-207
81 WEATHER	80 BOX	80 COMPLETE	79 CIRCUIT
79 CORRECTIVE	79 OUT	76 SAFETY	78 ACCOMPLISH
77 F	77 MINUTES	76 THROUGH	75 FIELD
73 TIME	73 EACH	73 WHEN	73 CHANNEL
72 PROBABLY	72 STEP	72 VOLTAGE	71 T
70 SKILL	69 CONNECTED	69 MATERIAL	59 OFF
69 TO-204	67 ALPHA	67 BETWEEN	67 INSTALLATION
67 IF	66 A1/ACC-50	66 SYMPTOMS	56 USER
65 110	65 LOCATION	65 NECESSARY	65 UNTIL
64 210	64 OUT	64 SELECT	64 USING
64 210	64 PRIMARY	63 SYSTEMS	62 TROUBLE
62 JAN	62 TASKS	60 AN/TRC-117	60 CHART
62 PERFORMANCE	60 MODEL	59 AN/TRC-145	59 BRACV
60 FOLLOWING	59 SECURE	55 TWO	58 APHY
59 COVER	57 AREA	57 TEC	57 WHILE
58 AUTHORITY	56 ITEMS	56 LOAD	56 MILITARY
56 COMMUNICATIONS	55 AN/TRC-112	55 DIRECTION	54 MEMBERS
54 PROVIDED			

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WORD FREQUENCY DISTRIBUTION

FREQUENCY/WORD

FREQUENCY/WORD

26	SITUATION	26	TA-32/PT	26	TESTING	26	THOSE
25	AFTER	25	AT-903	25	BELUM	25	CARRIER
25	DESIGN	25	FACILITIES	25	FUNCTION	25	H
25	DAYD	25	JUN	25	LINE	25	MAP
25	RIFLE	25	THEY	24	AM/ACC-145A	24	APPENDIX
24	APPROXIMATELY	24	COLUMN	24	ESTABLISH	24	EXTERNAL
24	FV	24	GENERATORS	24	IL	24	ISSUE
24	LISTED	24	LOOSE	24	REQUEST	24	SO
24	SOLDIERS	24	SUBCOURSE	23	ALLOCATION	23	AN/ACC-115
23	JUN	23	LS-147	23	MAIN	23	NON-SECURE
23	OFFER	23	PARTS	23	POSITIONS	23	POSSIBLE
23	SOLDIER	22	SUMMIT	23	TD-352AU	23	TD-640
23	TD-754/G	22	ADAPTER	22	ADJUSTED	22	ADJUSTMENT
22	AN/ACC-60	22	EXHAUST	22	OUTDOOR	22	HIS
22	III	22	ITEM	22	LAM	22	MODELS
22	ON	22	PEAK	22	PHASE	22	REPLACE
22	SHORTCIRCUITS	22	START	22	VOLTS	22	CASUALTY
22	CV-62A/G	21	INTERSECTION	21	KG-27	21	LOWER
22	WORTH	21	NORMAL	21	PATCHING	21	PRINTS
22	POSITIONING	21	RECEIVABLE	21	TD-312	21	WOUND
20	CLEAR	20	CLOTH	20	COVERS	20	DEPENDENT
20	DIAGRAM	20	HEATERS	20	INPUT	20	INTERNAL
20	LINE	20	WORKING	20	MASTER	20	NOW
20	OIL	20	RECEIVED	20	SURE	20	TESTS
20	TYPE	20	WIPES	19	ALARM	19	ASSEMBLIES
19	CONFESSED	19	CRITICAL	19	CURRENT	19	DAMAGE
19	CONGRATULATE	19	FOUND	19	IDENTIFIED	19	LEVELS
19	AT-201	19	PARAGRAPHIC	19	POSTS	19	REQUIRE
19	SC	19	THESE	19	VERIFIED	18	AN/ACC-60
19	AT-201	19	DOYES	18	BRIEFING	18	CASUALTIES
19	CG-1855	19	DETERMINED	18	DISCONNECT	18	DOWN
18	INVOLVEMENT	18	ESTABLISHED	18	INNOVATION	18	INFORMATION
18	THREE	18	INSTRUCTIONS	18	MEASURE	18	OSC
18	CUTOUT	18	PERSONNEL	18	PROSECUTIONARY	18	PRELIMINARY
18	PROTECTIVE	18	RECORDED	18	PROSECUTABILITY	18	SERVICE
18	TYPE	18	TYPE	17	ABLE	17	ARMY
17	ALUMS	17	AM/ACC-127	17	ARCHIVES	17	ANTENNAS
17	APPLY	17	DAYD	17	RECAPS	17	CENTER
17	CHECKED	17	CONVERSION	17	INCLUDING	17	INTERCOM
17	KNOWN	17	WCP-015A	17	OPERATOR/CPW	17	PAGE
17	COLLAGEMENTS	17	RESTORE	17	SIG	17	SKID
17	CLAVE	17	SOME	17	STOPPING	17	TUBULAR
17	AD-2	17	BASE	16	CLEARLY	16	CV-514/GPC
16	COMBINED	16	COMMON	16	COPYAINS	16	CPL
16	EX-7872	16	DEC	16	DRIVE	16	DROP
16	EFFECTED	16	EVALUATION	16	FAULTY	16	FUSES
16	IRREGULARITIES	16	LAMP	16	LOCALIZE	16	LOG
16	LC-147C/RE	16	M-6A	16	PREPARE	16	PRESERVE
16	PRICE	16	PU-62A/G	16	REC	16	REPORTED
16	RESULTS	16	SECTIONALIZE	16	SIMILAR	16	SPECIFIC

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FREQUENCY/WORD

FREQUENCY/WORD

FREQUENCY/WORD

14	YOUNG	14	70-600/G	16	70-764	16	TURN
15	ADDITIONAL	15	ATTACHED	15	BECKEN	15	REFUSERS
15	CO-1040	15	DEFECTIVE	15	DRIVEN	15	GRIP
15	HEAT	15	INSPECTION	15	KIT	15	LINT
15	LOCK	15	LOCATE	15	LOCK	15	NATURE
15	MAJOR	15	PARADISE	15	PRESSURE	15	PU-65/G
15	RELAY	15	POUNDS	15	SCENE	15	SHOCK
15	STAKE	15	70-600/G	15	TOWARD	15	WHERE
15	WITCH	15	YELLOW	14	ALLOW	14	APPLIED
14	WACK	14	BOTTOM	14	CHEMICAL	14	COMPRESSED
14	CONTROLS	14	DEPC	14	ELEVATOR	14	FER
14	FULLY	14	KEEP	14	L	14	LEAD
14	LOSS	14	LOSS	14	WAR	14	MILES
14	WON	14	MICLAR	14	CHIEF	14	PHONE
14	POL	14	PRESENT	14	PUBLICATIONS	14	PULSE
14	BACK	14	PCV	14	READING	14	REAR
14	SEP	14	SOIL	14	STOP	14	TANK
14	THU	14	TRANSFER	13	ABILITY	13	APPLICATION
13	REF	13	BLACKOUT	13	CALL	13	CL
13	CONTOUR	13	CV-1500/G	13	DISTANCE	13	QUINCY
13	ELECTRICAL	13	FAULT	13	FILTER	13	FM'S
13	FUNCTIONS	13	GIYS	13	HEAD	13	WENE
13	IDLE	13	IN-1	13	JOB	13	K
13	LIGHTING	13	LISTS	13	MINIMUM	13	NEXT
13	OPERATED	13	PIT	13	RATING	13	RECEPTACLES
13	RELEASE	13	ESPRESSO	13	FEEL	13	THIC
13	PI	13	ROTATE	13	SECOND	13	SECURNS
13	STAR	13	SUB-COMPONENT	13	TIME	13	UNUSED
13	UPON	13	V/PY	13	WATER	13	SFC
13	ALCO	12	AW	12	ANCHOR	12	ARMOUR
12	MULTIPLES	12	BLEEDING	12	BLIND	12	MUTTER
12	CAUSE	12	CERTAIN	12	CHUCK	12	CLASSIFIED
12	CLEARING	12	CLEARNESS	12	CONFIGURATION	12	CONNECTED
12	COMPLETELY	12	CORRESPONDING	12	DEFENSE	12	CIPLS
12	DISCOVERED	12	FACTOR	12	FILTER	12	FOUR
12	COVERING	12	GROUPS	12	HE	12	HIGHNESS
12	WILD	12	II	12	IMMEDIATELY	12	IN-2
12	INVOLVED	12	J	12	KINGS	12	MOOF
12	MULTIPLIER	12	PHYSICAL	12	PU-6174	12	PULL
12	QUALIFICATION	12	PHOTOGRAPH-CABLE	12	REPEATABLE	12	SHEET
12	STAMPS	12	SINGLE	12	SUBSTITUTE	12	SUSPECTED
12	WOUND	12	WACKUP	12	CARTER	12	CATERPILLAR
11	CUTTING	11	CV-2500/GFC	11	CK-2-130	11	DEATH
11	EMERGENCY	11	FIGURES	11	GUIDANCE	11	HANDRAKE
11	HAVING	11	HIGHER	11	IDENTIFY	11	IMPRES
11	METALLING	11	MAGAZINE	11	MEMBER	11	MEY
11	DECKING	11	PRICE	11	ORIGIN	11	PLACING
11	PROCESSES	11	PROSCRE	11	PROGRAM	11	REMAIN
11	POUNDS	11	SNURRER	11	SYMBOL	11	TALK
11	PLK/FF/G	11	TARPAULIN	11	TIGHTEN	11	TITLE

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11 TRANSMISSION	11 WALL	11 WALT	10 AN-657
10 AGAINST	10 AND/OR	10 ANGLE	10 AWAY
10 BATTERIES	10 BEING	10 BIOLOGICAL	10 CEILING
10 CG-7A	10 CLOSE	10 CONNECTORS	10 CONVERTER
10 CRATERIA	10 CURBIDE	10 DESIGNED	10 DRESSING
10 DE	10 CULTISTED	10 EXTINGUISHED	10 FLOW
10 FREQUENCIES	10 FSN	10 GS	10 HEATER
10 HIGHER	10 HON	10 IMAGE	10 LENGTH
10 LEECH	10 MANUALS	10 MESSAGE	10 MAXIMUM
10 MILE	10 MOW'S	10 MOW	10 QUALITY
10 RECEIVING	10 PROUSINE	10 SERVICEABILITY	10 SPECIFIED
10 STEP-IV-STEP	10 STRAPS	10 SUPERVISOR	10 THEIR
10 TONY	10 THEY	10 VALVE	10 WORKING
5 ACCIDENTS	5 ACCORDANCE	5 ADD	9 AIR-COOLED
9 AM/600-60A	9 AN/MFC-126	9 AN/MFC127	9 APPLICABLE
9 BOOKS	9 REPEATING	9 DESIGNATED	9 DETERMINING
9 DIRT	9 DOES	9 ENTRY	9 ERECTION
9 EXCHG	9 FACILITY	9 GOING	9 ILL-2
9 IMPROVEMENT	9 INJURY	9 KEY	9 KNOW
9 LEAKS	9 LEFT	9 M	9 MEASUREMENTS
9 M-20-6A	9 MFP-0-7A	9 MODIFICATION	9 NOTES
9 DL	9 DPP	9 ORIENTED	9 P
5 POWERS	9 PERFORMS	9 POLARIZATION	9 PREVENT
9 PURPOSE	9 PHR	9 Q	9 PACK
9 RANGER	9 RESPONSIBLE	9 RIGHT	9 SECTIONS
9 SOLIDERS	9 SOURCE	9 STORAGE	9 STRAIN
9 SUPERVISORY	9 SUPPLIED	9 SUPPLY	9 SYMPTOM
9 UNARMED	9 TUNING	9 VEHICLE	9 VENT
9 VELUC	9 WUC	9 AG	8 AIMING
9 ALONG	8 ALONG	8 AN/44C-69	8 AN/TCC-AD/69
9 ASSIST	8 AZIMUTH	8 CAREFUL	8 CAUTIONS
9 C-1	8 C-514	8 CODE	8 COMMANDER
9 COMBATANTS	8 COMSEC	8 CONDITION	8 CORC
9 CX-4245	8 DEMODULATED	8 DUPLICATION	9 DUTIES
9 EXTENDED	8 EXTRACTOR	8 EYE	9 FEED
9 GIVE	9 GP-2	8 GRANE	8 GROUP
9 HALF	9 HANDS	8 HIGH	8 HP
9 INTERCOM-PHONE	8 ISOLATING	8 ISSUED	8 JUST
9 PK-1006/GRC-103	8 NEEDED	8 NEEDS	8 OBTAIN
9 PAPER	8 PATH	8 PERFECT	8 PERMIT
9 POCOM	8 PRECAUTIONS	8 PROBLEM	8 RAYSE
9 RECON	8 RECOGNIZF	8 REDUCE	8 REEL
9 RECOVER	8 REPORTS	8 REQUISIES	9 ROPE
8 SUP	8 SERIAL	8 SIGN	8 STATION
8 TOGETHER	8 TURNING	8 US	8 VERICAL
8 VOLTAGES	8 WAVEFORM	7 +10	7 +11
7 ACCIDENTS	7 AID	7 ALIGNMENT	7 ARRANGEMENT
7 ACCIDENTS	7 ATTACK	7 AUT	7 CANNON
7 CG-5444/U	7 CH	7 CHARACTERISTICS	7 CHARTS
7 CLOSED-CHEST	7 COMMUNICATION	7 CORRECTIONS	7 CRACKS

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WORD FREQUENCY DISTRIBUTION

FREQUENCY/WORD

FREQUENCY/WORD

3	WACKO	3	MAVIS	2	MINIMIZE	2	MENTALLY
3	WAZZLE	3	MULTI	2	MUZZLE	2	NEARBY
3	WAZZLE	3	OBJECTS	3	OFF-FUN	3	OFF/SEND
3	WAZZLE	3	ORGANIC	3	OUTSIDE	3	OVERHEAD
3	WAZZLE	3	PARAFET	2	PATROLLING	3	PER
3	WAZZLE	3	PLUG	3	POINTING	3	POSSIBILITY
3	WAZZLE	3	PREPARED	3	PRECOINED	3	PRESS
3	WAZZLE	3	PROGRESS	3	PROVIDES	3	QU-625
3	WAZZLE	3	QUESTIONS	3	QUALIFIED	3	QUESTIONS
3	WAZZLE	3	READY	3	RECOMMENDED	3	RECORDS
3	WAZZLE	3	REG	3	REGULATION	3	RELATED
3	WAZZLE	3	REPORTING	3	REQUESTED	3	RESERVED
3	WAZZLE	3	RESUSCITATION	3	RESTINING	3	RINGING
3	WAZZLE	3	ROLL	3	ROOF	3	ROUGH
3	WAZZLE	3	SATURATE	3	SCHOOL	3	SCREENING
3	WAZZLE	3	SEEN	3	SEE	3	SIGHTS
3	WAZZLE	3	SIZE	3	SKILLED	3	SKILLS
3	WAZZLE	3	SLOWLY	3	SL4	3	SN
3	WAZZLE	3	SOUND	3	SP/4	3	SPLASH
3	WAZZLE	3	SUI	3	SW	3	SYNCHRONIZATION
3	WAZZLE	3	TAG	3	TANKS	3	TA215/PT
3	WAZZLE	3	TN-2061C	3	TN-7541S	3	TELL
3	WAZZLE	3	TEFAIR	3	THEFT	3	THESEFOPE
3	WAZZLE	3	THROUGHOUT	3	TIGHTNESS	3	THIR-750
3	WAZZLE	3	TOTAL	2	TRAIL	3	TWENTY-SIX
3	WAZZLE	3	U	3	UNCONSCIOUS	3	UNDERSTAND
3	WAZZLE	3	VERIFICATION	3	VI	3	VII
3	WAZZLE	3	WARM-UP	3	WAVING	3	WE
3	WAZZLE	3	WORKSHEET	2	YOURSELF	3	WWR
3	WAZZLE	3	WZAS	2	A-R	2	A-1
3	WAZZLE	2	WZ-577/GPC	2	ACCIDENTAL	2	ADJUSTING
3	WAZZLE	2	ACT	2	ADEQUATE	2	AGENCY
3	WAZZLE	2	AERIAL	2	AGENCY	2	ALMOST
3	WAZZLE	2	AIR-DRY	2	AIT	2	AN/TDC-145*
3	WAZZLE	2	AMPLIFIED	2	AN/GPC-501S	2	ARM
3	WAZZLE	2	APPEARS	2	APPLIES	2	ATTACHED
3	WAZZLE	2	ASSEMBLED	2	ASSOCIATION	2	AUTOMATICALLY
3	WAZZLE	2	ATTENTION	2	ATTITUDE	2	BAGS
3	WAZZLE	2	H-A	2	BAO	2	BANDER
3	WAZZLE	2	BLK	2	BEHNS	2	BRACKETS
3	WAZZLE	2	BLK	2	BLOCKED	2	BRACKETS
3	WAZZLE	2	BLK	2	BLK	2	BRACKETS
3	WAZZLE	2	BUTTON	2	BYPASS	2	CABLES/BINDING
3	WAZZLE	2	CANVASS	2	CARGO	2	CARTRIDGE
3	WAZZLE	2	CATCHED	2	CG-10409/U	2	CHAMPER
3	WAZZLE	2	CHIN	2	CLEARED	2	CLEARING
3	WAZZLE	2	COMBATANT	2	COMMENTS	2	COMPLETION
3	WAZZLE	2	COMPLY	2	COMMIT	2	CONFIRM
3	WAZZLE	2	CONSTANT	2	CONSTANTLY	2	CONTAINER
3	WAZZLE	2	CONTAMINATING	2	CONTENTS	2	CONVENIENCE

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[illegible]

AD-A121 069

JOB LANGUAGE PERFORMANCE REQUIREMENTS FOR NOS 31A
MULTICHANNEL COMMUNICAT. (U) DEFENSE LANGUAGE INST
LACKLAND AFB TX ENGLISH LANGUAGE CENTER. 03 MAR 78
F/G 5/9

474

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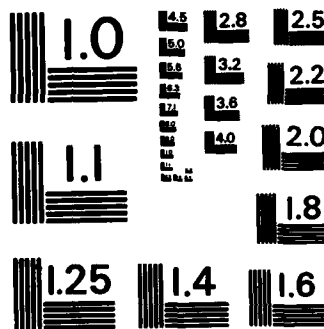
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END

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DTM



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

DATE 80094 1231 P

FREQUENCY/WORD

WORD FREQUENCY DIS

FREQUENCY/WORD

FREQUENCY/WORD

1	WINTER	1	WITHSTAND	1	WILL
1	WICKLES	1	WORN	1	WOUNDED
1	WITING	1	WOPING	1	X
1	YHCU	1	YOUNGE	1	YOUNGER

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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
2. time
3. direction/motion
4. manner/agent/
instrument
5. measurement/
number amount

on, in
in, at, on
to

by, with

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