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ARMY TRAINING DEVELOPMENTS INST FORT MONROE VA  
WORD CRITICALITY ANALYSIS. MOS: 74F. SKILL LEVELS 1 & 2.(U)  
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MOS-74F

F/G 5/9

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JOB NO / PROJECT NO

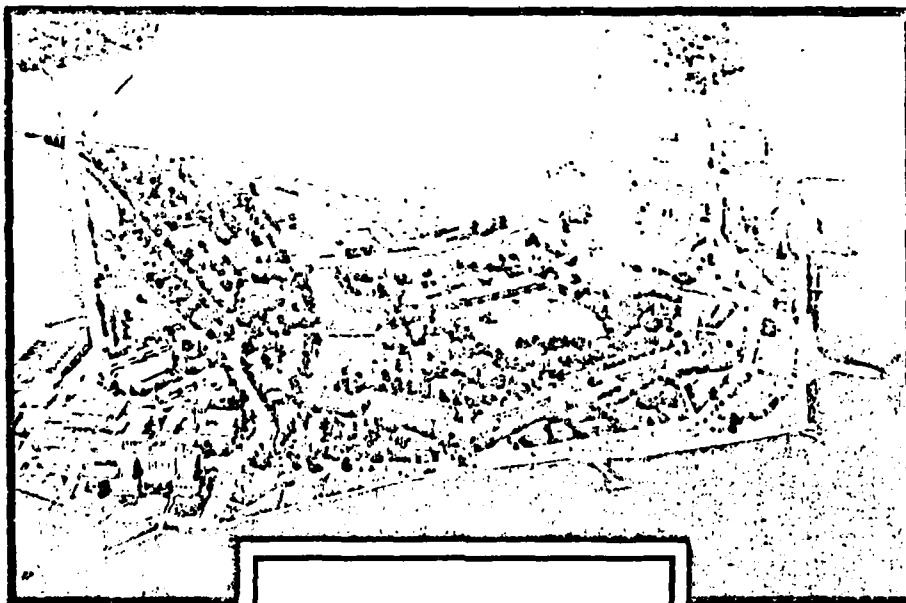
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UNITED STATES ARMY TRAINING AND DOCTRINE COMMAND

FORT MONROE, VIRGINIA 23651

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Word Criticality Analysis  
MOS: 74F  
Skill Levels 1 & 2

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PREPARED BY: OPERATIONS DIV, DPFO

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|---|--|---|
| 1. REPORT NUMBER<br><b>74F</b>  | 2. GOVT ACCESSION NO.<br><b>AD A116524</b> | 3. RECIPIENT'S CATALOG NUMBER                                   |
| 4. TITLE (and Subtitle)<br><b>Word Criticality Analysis</b><br><b>MOS: 74F</b><br><b>Skill Level: 1/2</b>   |  | 5. TYPE OF REPORT & PERIOD COVERED<br><b>Final</b>              |
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| 9. PERFORMING ORGANIZATION NAME AND ADDRESS<br><b>Training Developments Institute</b><br><b>ATTN: ATTG-DOR</b><br><b>Fort Monroe, VA 23651</b>  |  | 10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS     |
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| 17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)  |  |   |
| 18. SUPPLEMENTARY NOTES   |  |   |
| 19. KEY WORDS (Continue on reverse side if necessary and identify by block number)<br><b>MOS Vocabulary</b><br><b>Readability</b><br><b>Comprehension of text</b><br><b>Curriculum Development</b>  |  |   |
| 20. ABSTRACT (Continue on reverse side if necessary and identify by block number)<br><b>This report contains terms selected as having some degree of criticality in the training/performance of tasks contained in the respective MOS Soldier's Manual (SM). These critical words were selected by subject matter/job experts knowledgeable in their MOS. The vocabulary set used as the basis for critical word analysis was the Word Frequency Report based on the SM for the same MOS.</b> |  |   |

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## Contents and General Information

1. The Word Criticality Analysis (WCA) reports were reproduced exactly as generated via computer printout. The prime users of this document were fully cognizant of its contents and required no special instructions for interpretation. However, for the sake of other readers, the following brief description of contents is provided.

2. The WCA reports for most MOS are divided as follows:

- o Skill Level I
- o Skill Level II

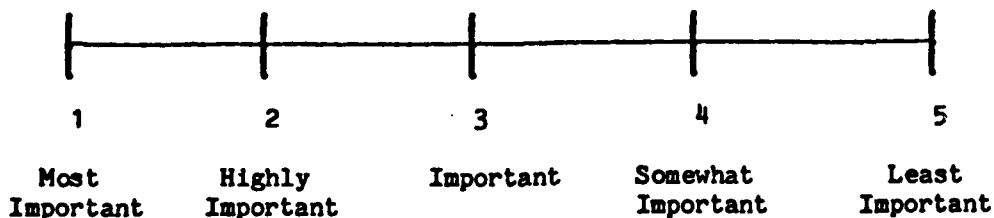
However, due to the way some Soldier Manuals are constructed, the WCA for some MOS have both Skill Levels merged into one report. Each Skill Level is subdivided into two sections.

a. Introductory - these MOS critical words, identified by the code "TRN", represent terms unmatched on the master tape for that MOS. (Reasons for this include: words volunteered as critical; keypunching errors; updating master tapes per changes in SM, etc). NOTE: The number to the left of each critical word is its criticality index defined below.

b. Main - these MOS critical words are ranked alphabetically within a criticality index (defined below) that also is ranked from 1-5. The numbers to the right of the critical words represent the SM page on which that term appeared and its frequency of appearance. Example "222,4" is interpreted as: "4 times on page 222". NOTE: Due to computer programming/sort difficulties, the accuracy of correct page referencing is only approximately 80% for most reports. Improvements in programming and coding increased this accuracy to 95% in those reports completed last (i.e., dated Jan-Mar 82).

### 3. Word Criticality Index:

The following 5 point rating scale was used by a team of up to 3 subject matter experts from Army MOS proponent schools to rate each word selected as having some importance for training/performing a critical task:



|             |                                     |
|-------------|-------------------------------------|
| ession For  |                                     |
| IS GRA&I    | <input checked="" type="checkbox"/> |
| IC TAB      | <input type="checkbox"/>            |
| announced   | <input type="checkbox"/>            |
| stification |                                     |



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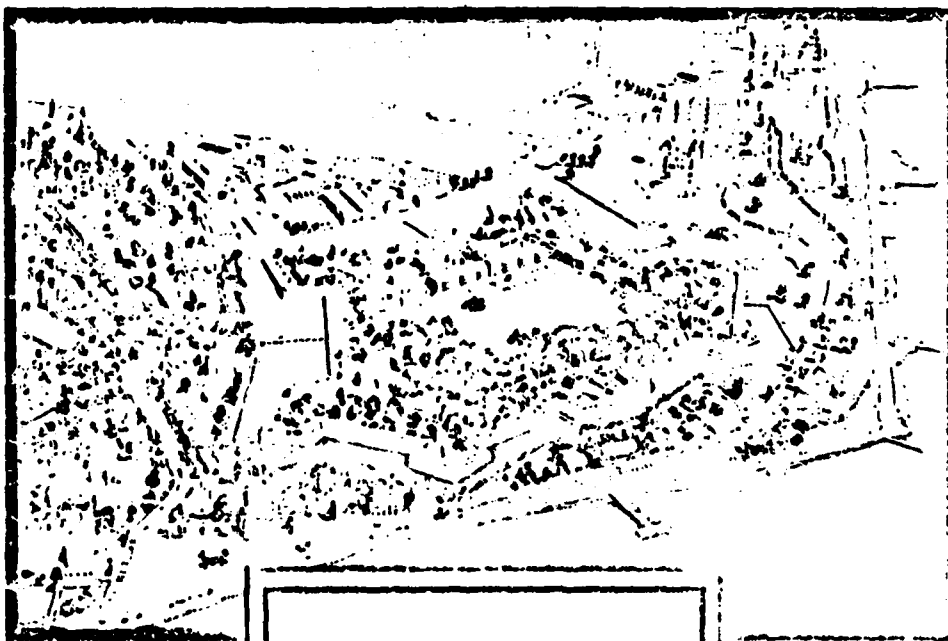
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FORT MONROE, VIRGINIA 23651

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MOS-74F  
Skill Level 1 & 2

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P = (C)

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SEQUENTIAL DATA MANAGER

PAGE NO 3 TYPE RECHND BYTES

| PROGRAM NAME               | TYPE | RECHND BYTES |
|----------------------------|------|--------------|
| 2 LIMIT CHECK              | TRA  | 80           |
| 1 LINK                     | TRA  | 80           |
| 2 LOGICAL RECORD           | TRA  | 80           |
| 1 MACHINE RECHITABLE IMAGE | TRA  | 80           |
| 1 PATH STORAGE             | TRA  | 80           |
| 1 MATRIX                   | TRA  | 80           |
| 1 NORMAL FLOW              | TRA  | 80           |
| 1 OFF-LINE                 | TRA  | 80           |
| 1 ON-LINE                  | TRA  | 80           |
| 1 PHYSICAL RECORD          | TRA  | 80           |
| 1 PRECESSING FUNCTIONS     | TRA  | 80           |
| 1 PRODUCTION               | TRA  | 80           |
| 1 PROGRAMMING SOP          | TRA  | 80           |
| 1 QUEUE                    | TRA  | 80           |
| 2 RIGHT JUSTIFY            | TRA  | 80           |
| 1 ROUTINES                 | TRA  | 80           |
| 1 SATURATION               | TRA  | 80           |
| 1 SECTIR                   | TRA  | 80           |
| 2 SORT                     | TRA  | 80           |
| 2 STATEMENT                | TRA  | 80           |
| 1 STORED EXTERNAL          | TRA  | 80           |
| 1 STORED INTERNAL          | TRA  | 80           |
| 2 SYMBOLIC CODE            | TRA  | 80           |
| 1 SYSTEMS ANALYSIS PACKAGE | TRA  | 80           |
| 1 TAPE LABEL               | TRA  | 80           |
| 1 TASK                     | TRA  | 80           |
| 2 TERMINAL SYMBOL          | TRA  | 80           |
| 1 TERMINATE                | TRA  | 80           |
| 1 TEST OUTPUT              | TRA  | 80           |
| 1 TEST RUN                 | TRA  | 80           |
| 1 TRACK                    | TRA  | 80           |
| 1 TRANSFORM                | TRA  | 80           |
| 1 UTILITY PROGRAM          | TRA  | 80           |

MASTER READ 234  
 LRECL 32  
 BLKSIZE 3136

TRANS READ 169  
 LRECL 80  
 BLKSIZE 8.00

UPDATED RECORDS 144  
 LRECL 32  
 BLKSIZE 3136

SYNCSORT (V-110) - HALF COPYRIGHT WHITLOW COMPUTER SYSTEMS, INC. 1979 REL 2.3EN DATE=61/005 TIME=72.06.08  
PVT REL 21.8 CPU MODEL 65  
06-00100

DIRT FIELDS=(1,25,C,M,A)  
NR13AB DCR PAMP MISSING ON SORTIN DD  
NR13AB CORE AVAIL 0114688,REQ MAX USED 0114688  
NR131B SECONDARY EXTENTS OBTAINED 000  
NR133B B = 62  
NR133B MMAX = 752681  
NR163B TRACKS=PRIM=000700,SEC=00000,REL=00000.  
NR137B G = 1500  
NR177I TOP-MAXIMUM SORT PERFORMED  
NR145C END SORT PH  
NR146I FILESIZE 34328 BYTES  
NR154I HCU IN 1047 QLT 104  
NR169I TPF'S APPLIED 1234  
NR152I END SYNCSORT UPT= M, THEMO1P7,STEPS

MOS WORD LIST BY PAGE

rest of ref = 6 Jan 81  
DATE 8105 2200 PAGE

MOS-7HF  
SKILL LEVEL  
1+2

|   |               |      |      |
|---|---------------|------|------|
| 1 | ASSIGN        | 3,1  |      |
| 1 | BATCH         | 1,1  | 3,1  |
| 1 | BRANCH        | 3,1  |      |
| 1 | CODE          | 3,1  |      |
| 1 | COMPUTER      | 3,2  | 1,1  |
| 1 | CONSOLE       | 3,1  | 1,2  |
| 1 | CORE          | 3,1  |      |
| 1 | DUMP          | 3,1  |      |
| 1 | ENVIRONMENT   | 1,1  |      |
| 1 | FILE          | 3,2  | 1,2  |
| 1 | I/O           | 3,2  | 1,1  |
| 1 | JCL           | 1,3  |      |
| 1 | JOB           | 3,2  | 1,2  |
| 1 | KEY           | 3,1  |      |
| 1 | LDG           | 3,1  |      |
| 1 | MAP           | 3,1  |      |
| 1 | MEDIA         | 3,1  |      |
| 1 | MEMORY        | 3,1  |      |
| 1 | MERGE         | 3,1  |      |
| 1 | MODULE        | 1,1  |      |
| 1 | OBJECT        | 3,1  |      |
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| 1 | PROGRAM       | 1,4  | 3,17 |
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| 1 | SELECT        | 3,1  |      |
| 1 | SOFTWARE      | 3,6  |      |
| 1 | STEP          | 3,15 |      |
| 1 | STORAGE       | 3,4  |      |
| 1 | SUBROUTINES   | 1,1  |      |
| 1 | SUPERVISOR    | 3,1  |      |
| 1 | SYNTAX        | 3,6  | 1,1  |
| 1 | TABLE         | 3,1  |      |
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| 2 | DATA          | 3,10 | 1,2  |
| 2 | DOCUMENTATION | 3,3  |      |
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| 2 | FLOWCHART     | 3,8  |      |
| 2 | HIERARCHY     | 3,1  | 1,1  |
| 2 | INCLUDE       | 3,1  |      |
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| 2 | LIST          | 3,1  |      |
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| 2 | MANUAL        | 3,13 | 1,3  |
| 2 | NOTE          | 1,1  |      |

## MDS WORD LIST BY PAGE

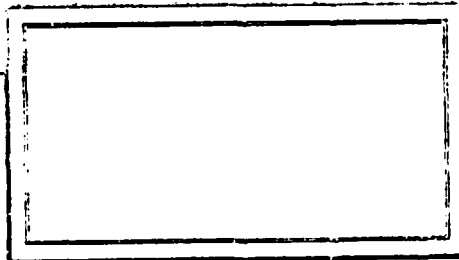
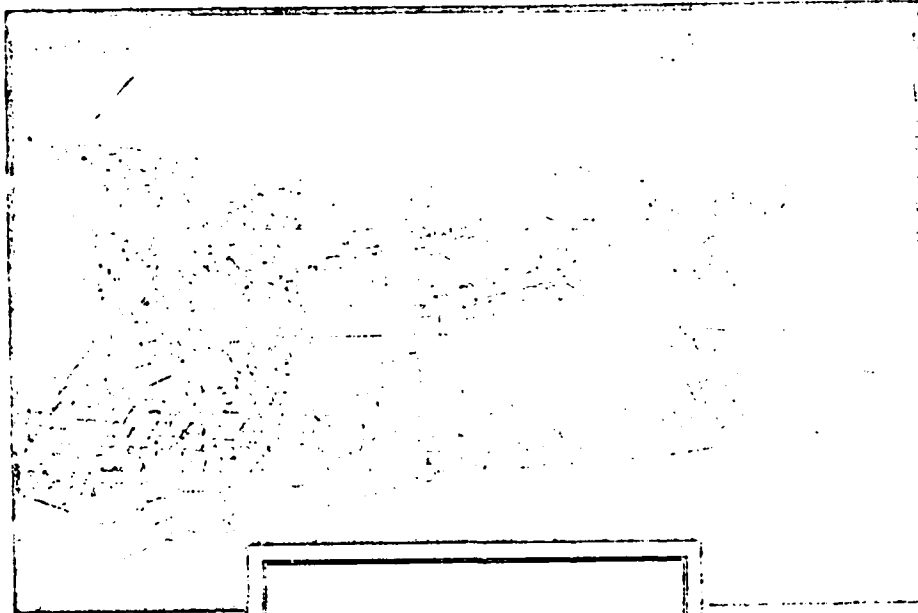
DATE 810C5 2206 PAGE

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|   |                    |     |     |
|---|--------------------|-----|-----|
| 2 | OPERATIONS         | 5.1 |     |
| 2 | OUTPUT             | 1.1 | 5.2 |
| 2 | PERIPHERAL         | 5.1 |     |
| 2 | PRINTER            | 1.1 |     |
| 2 | RETURN             | 5.2 |     |
| 2 | RUN                | 5.3 |     |
| 2 | SOURCE             | 1.1 | 5.2 |
| 2 | SPACING            | 1.1 |     |
| 2 | SPECIFICATIONS     | 5.3 | 1.2 |
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| 2 | SYSTEM             | 5.5 |     |
| 2 | TERMINAL           | 5.1 |     |
| 3 | ANALYSIS           | 5.2 |     |
| 3 | COMPL              | 1.1 |     |
| 3 | CONFIGURATION      | 5.1 |     |
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| 3 | IMPLEMENT          | 5.1 |     |
| 3 | INTERFFRE          | 5.1 |     |
| 3 | LOGIC              | 5.5 |     |
| 3 | MAJOR              | 1.1 |     |
| 3 | PRODUCT            | 5.1 |     |
| 3 | TEMPLATE           | 5.1 |     |
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| 4 | INTERRELATIONSHIPS | 5.1 |     |
| 4 | NARRATIVE          | 5.8 |     |
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| 4 | VENDOR             | 1.3 |     |
| 4 | VERSION            | 1.2 |     |
| 5 | LANGUAGE           | 5.2 | 1.1 |

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