

ARMY TRAINING DEVELOPMENTS INST FORT MONROE VA
WORD CRITICALITY ANALYSIS. MOS: 16R. SKILL LEVELS 1 & 2. (U)
SEP 81 A A LONGO
MOS-16R

NL

$$\begin{array}{c} \mathbb{P}^1 \hookrightarrow \mathbb{P}^2 \\ \downarrow \\ \mathbb{A}^1 \times \mathbb{C}^2 \cong \mathbb{C}^3 \end{array}$$

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UNITED STATES ARMY TRAINING AND DOCTRINE COMMAND

FORT MONROE, VIRGINIA 23651

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Word Criticality Analysis

MOS: 16R

Skill Level 1

PREPARED BY: OPERATIONS DIV, DPFO

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1. REPORT NUMBER 16R	2. GOVT ACCESSION NO. HD A11663	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) Word Criticality Analysis MOS: 16R Skill Level: 192		5. TYPE OF REPORT & PERIOD COVERED Final
		6. PERFORMING ORG. REPORT NUMBER
7. AUTHOR(s) Dr. Alexander A. Longo		8. CONTRACT OR GRANT NUMBER(s)
9. PERFORMING ORGANIZATION NAME AND ADDRESS Training Developments Institute ATTN: ATTG-DOR Fort Monroe, VA 23651		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
11. CONTROLLING OFFICE NAME AND ADDRESS Training Developments Institute ATTN: ATTG-DOR Fort Monroe, VA 23651		12. REPORT DATE Sep 1981
		13. NUMBER OF PAGES 5
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		15. SECURITY CLASS. (of this report) Unclassified
		15a. DECLASSIFICATION/DOWNGRADING SCHEDULE
16. DISTRIBUTION STATEMENT (of this Report) Approved for Public Release; Distribution is unlimited.		
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) MOS Vocabulary Readability Comprehension of text Curriculum Development		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) 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.		

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

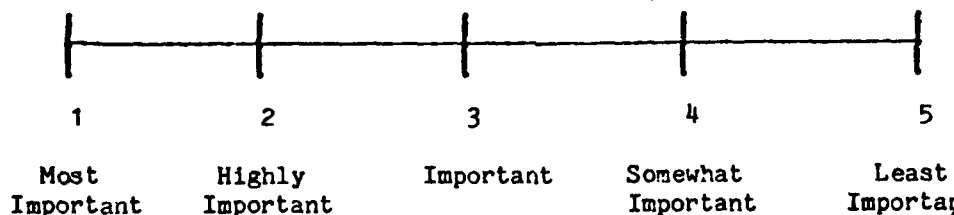
However, due to the way some Soldier Manuals are constructed, the WCA for some MOS have both Skill Levels merged into one report. Each Skill Level is subdivided into two sections.

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:



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ETIC T&B
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16R SL1

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COPY _____ of _____ COPIES

16R, SKILL 1

2 AERONAUT
1 ADJUST
7 AERIAL
1 AIM
1 AIMING
2 ALICE
7 AIRMAN
3 APPROPRIATE
2 ARMY
1 ARRANGEMENT
1 ASSISTANT
1 ASSISTANT
7 AUXILIARY
7 AVAILABLE
2 BATTLE
2 AZIMUTH
7 DEFENSE
2 RETURN
4 BLASTING
1 BLASTING
1 BLASTING
1 BLAZE
7 CAMOUFLAGE
1 CANNON
7 CAPABILITY
2 CAMPBELL
7 CENTER
2 CHANGE
2 CHANGING
7 CHECK
1 CLEAR
2 CLOCKWISE
7 CODE
2 COILING
3 COMMAND POST
3 COMMUNICATE
3 COMMUNICATION
3 COMPASS
7 COMPLETE
7 COMPONENTS
7 CONDITIONS
1 CONDUIT
1 CONDUCT
1 CORRECTIVE
2 COURTESY
2 COUNTERCLOCKWISE
2 DANCE
2 DAIRY
2 DAMAGE
1 DANGER

[illegible]

PAGE NO 3 TYPE RECORD BYTES

2 DEFICIENCIES
2 DEFLINK
2 DISCRIMINATE
2 DISEL
2 DISTINGUISH
2 DISTRIBUTION
4 CRUEL
1 DRUM
3 DUMMY
1 DURING
1 ELECTRICAL
2 ELEVATE
4 ELIMINATION
2 EMPLACE
2 EQUIPMENT
2 EXHAUST
2 EXHIBIT
3 EXTENSIBLE
2 FALL
3 FAILURE
3 FAULTY
2 FEET
2 FIRES
3 FLAME
2 FM
4 FEMING
2 FERN
2 FERMS
2 FREEDOM
2 FREQUENCY
2 FROM
1 FUNDS
2 FUNCTION
3 GERM
4 GIRL
1 GUARD
2 HATCH
2 HAZARD
2 HAZARDS
2 HORIZONTAL
2 IDENTIFY
2 OVER JUMP
3 IDENTIFY
2 IN
2 INDICATIONS
2 INDICATORS
2 IMPERFECT
2 INFERS
4 INFORMED
2 INSPECT

[illegible]

SEQUENTIAL DATA MANAGER

3 INSTALL
2 INSTALLATION
2 INSURE
4 INTERCOMMUNICATION
2 INTERFERES
4 IP
2 IS
3 JAW
3 JAWING
1 KIT
4 KACH
2 KNOWLEDGES
2 LENS
2 LESS
1 LEVEL
2 LEVER
1 LIMITATION
2 LINK
2 LU
3 LUTATION
3 LOCK
2 LUBRICANTS
2 LUBRICATION
2 LUC
1 LUNATIC
1 MAINTENANCE
2 MANUAL
2 MANUALLY
2 MAY
1 MACHINER
1 MACHINISTS
3 MAKING
2 MECHANICALLY
2 METER
3 MIFENS
3 MILES
2 MIMICRY
2 MILUTE
2 MIN
3 MODES
1 MOUNT
2 MOUNTING
1 MOUNTANT
2 MUFFLE
1 MUG
1 MUG
2 NECESSARY
1 NONOPERATIONAL
2 NORMAL
2 NORMALLY
2 NOTHING

PAGE 40 4 TYPE RECORD BYTES

[illegible]

SEQUENTIAL DATA MANAGER

- 3 OF
- 7 CA
- 1 OPERATIONAL
- 1 OPERATORS
- 1 OPTICAL
- 2 OR
- 2 ORGANIZATIONAL
- 2 OUT
- 2 OUTPOSTS
- 2 OUTRIGGER
- 1 EQUIPPED
- 2 PERSONNEL
- 1 PH
- 2 POINT
- 2 POSITION
- 2 POSITIONING
- 2 POWER
- 2 PRECAUTIONS
- 2 PRECISE
- 1 PREVENTIVE
- 2 PREVIEW
- 2 PROCEDURES
- 1 PROPER
- 3 PROTECTIVE
- 1 PROMOTES
- 2 PURPOSE
- 1 RAIL
- 1 RADIATING
- 1 RADIATION
- 2 RANGE
- 2 RANGE
- 2 RECOMMENDED
- 2 RECOGNIZE
- 2 RECORDED
- 2 REFLECTED
- 3 REPRESENTATIONS
- 2 REQUIRED
- 2 REFICLE
- 2 REVERSE
- 2 ROTATE
- 1 ROLING
- 1 ROTE
- 1 SAFETY
- 2 SCRAPE
- 3 SEALED
- 1 SECONDS
- 2 SECTION
- 2 SECURE
- 2 SECURITY
- 1 SELF-PROPELLED
- 2 SENIOR

[illegible]

PAGE NO	6 TYPE	RECORD BYTES
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3 SEQUENCE	TRN	80
2 SERVICES	TRN	80
1 SIGHT	TRN	80
2 SITE	TRN	80
2 SKILL	TRN	80
3 SKILLS	TRN	80
2 SLACK	TRN	80
1 SP	TRN	80
1 SQUAD	TRN	80
2 STOW	TRN	80
3 STOWAGE	TRN	80
2 SUPERVISION	TRN	80
1 SWITCH	TRN	80
1 SWITCHES	TRN	80
2 SYSTEM'S	TRN	80
1 TABLE	TRN	80
2 TACTICAL	TRN	80
1 TARGET	TRN	80
2 TASK	TRN	80
2 TASKS	TRN	80
4 TELESCOPE	TRN	80
2 TENSION	TRN	80
2 TERNAIN	TRN	80
2 THREATLE	TRN	80
1 THUL	TRN	80
1 THOQUE	TRN	80
2 TOWER	TRN	80
2 TOWING	TRN	80
2 TRACK	TRN	80
2 TRACKING	TRN	80
2 TRANSMIT	TRN	80
2 TRANVERSING	TRN	80
3 TRAVERSE	TRN	80
1 THROUBLESHOOTING	TRN	80
2 TUNE	TRN	80
2 TYPES	TRN	80
1 UP	TRN	80
1 USE	TRN	80
1 USING	TRN	80
2 VEHICLE	TRN	80
3 VELOCITY	TRN	80
2 VERTICAL	TRN	80
1 VULCAN	TRN	80
4 WATER TIGHT	TRN	80
1 WAVEGUIDE	TRN	80
2 WEAPON	TRN	80
2 WEATHER	TRN	80
2 WIRING	TRN	80
2 WITH	TRN	80
1 WRENCH	TRN	80

MCS WORD LIST BY PAGE

16R, SKILL 1

DATE 80204 1456 PAGE

1

1	AMMUNITION	1.7
1	ASU	1.3
1	CLEAN	1.1
1	ELECTRICALLY	1.1
1	ENERGY	1.1
1	FEED	1.1
1	LOAD	1.1
1	LOADED	1.2
1	ACT	1.1
1	PERFORM	1.2
1	PROCEDURE	1.1
1	PROCEEDERS	1.3
1	RE	1.1
1	RE	1.1
1	TV	1.1
2	ALL	1.1
2	CHANGING	1.2
2	HANDLING	1.1
2	KICK	1.3
2	WIND	1.1
2	CORNER	1.1
2	PHOTOGRAPH	206.1
2	PARTIALLY	1.2
2	PRIME	1.1
2	PRIME	1.1
2	ROUNDS	1.1
2	STANDARDS	1.1
2	SYSTEM	1.1
2	ACCORDING	1.1
2	DETONATED	1.1
2	RELOADING	1.2
2	UNIT	1.1
4	AND	1.1
4	FE	1.3
4	BY	1.1
4	CAN	1.2
4	FOR	1.1
4	FROM	1.2
4	REPT	1.1
4	SUPPLY	1.1
4	THAT	2.3
4	TO	1.3
4	WHEN	1.2
4	WILL	1.1
5	1	1.3
5	THE	1.4

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Word Criticality Analysis

MOS: 16B

Skill Level 2

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Oct 68 109-1

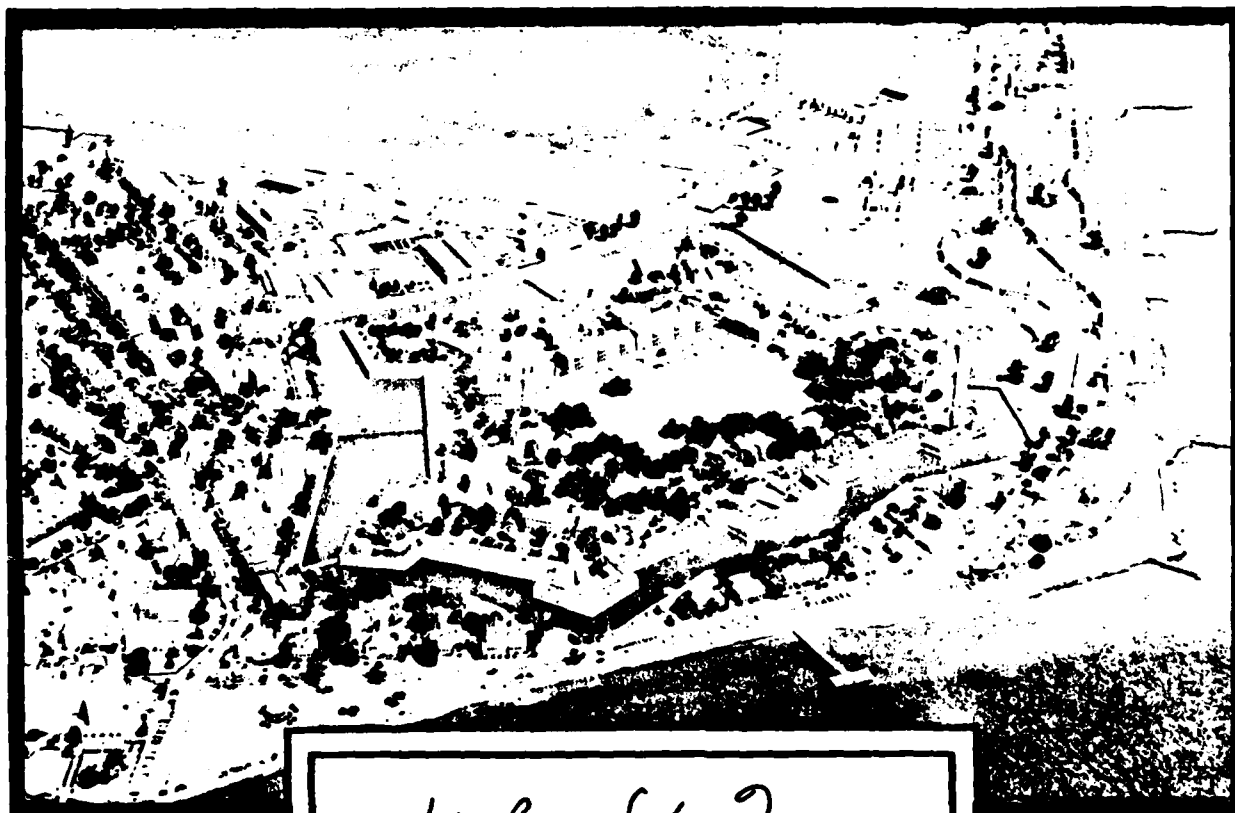
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3 HYDRAULIC
3 IDENTIFY
2 INDEX LINE
4 INDIRECT
4 INFERRED
2 INSTANT
3 INSTALLATION
4 INTERCOMMUNICATION
4 IQ
3 JAM
2 JAWING
2 LIPS
2 LITIGATION
2 LINK
3 LOCK
2 LOG
3 MAGNETIC
2 MAINTAIN
2 MANUALLY
2 MARK
3 MATHS
4 MAXIMUM
2 MECHANICALLY
3 METAL
2 MILES
2 MINUTE
2 NA
2 NEEDS
2 NEGATIVE
2 NEGOTIATE
1 NICE
1 NO
2 ORGANIZATIONAL
2 ORIENT
2 OUTSTANDERS
2 PACT
2 PATTERNS
2 PEAK
3 PREVENTIONS
2 PREVIEW
2 PRIME
2 PROTECTIVE
4 PROTECTING
3 QUADRANTS
2 QUADRANT
2 RACE
2 RAFFA
2 REGULATION
2 RETIRE
3 REVENUE

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PAGE NO 4 TYPE RECORD BYTES

TBN	80
TPI	10
TBA	80
TRN	80
TBN	80
TBA	80
TRN	80
TFA	80
TRN	80
TRN	80
TBN	80
TBN	80
TBN	80
TBN	80
TBN	80
TBA	80
TPI	80
TBA	80
TRN	80
TBN	80
TBA	80
TRN	80
TBA	80
TRN	80

TRANS READ	32C
LFEC	8C
BLKSIZE	8000

UPDATED RECCROS	362
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BLK17E	3136

MCS WORD LIST BY PAGE

1	ACQUISITION	235.1							
1	ADJUST	235.1							
1	ADJUSTMENT	22.1							
1	ASSISTANT	235.2	22.2						
1	PERFORMING	235.1							
1	WAKE	235.4							
1	CARRYING	235.2	21.1						
1	CLUB	235.1							
1	CLEANING	25.2							
1	FLARE	235.4							
1	CONTROLS	235.3	100.1						
1	CORRECT	100.1	235.4						
1	CORRECTIVE	25.1	24.1	6.1	235.1				
1	DANGER	235.2							
1	LURING	235.1							
1	ELECTRICAL	100.1							
1	FIELD	235.1							
1	FINES	235.1							
1	GLANCE	22.1	21.1	25.1					
1	GLANCE	25.1	24.1						
1	MIT	25.1	22.1						
1	LEVEL	235.3	100.1						
1	LOCATION	235.3	100.1						
1	MAINTENANCE	21.1	6.1	235.5	100.2	25.1			
1	MOUNT	235.1							
1	MOUNT	235.2							
1	MOUNT	21.1							
1	NOISE	24.1							
1	NONOPERATIONAL	235.1							
1	NOT	25.1	22.1						
1	OPERATIONAL	235.3	100.1						
1	OPERATOR'S	22.2	21.1	6.1	235.4	100.1	25.2	24.1	
1	PERFORM	235.1	100.1	25.1	24.1	22.2	21.2		
1	PERFORMED	235.1							
1	PERFORMING	235.1							
1	PM	235.1	100.1	21.1					
1	PREVENTIVE	235.8	100.1	24.1					
1	EXERCISES	235.2							
1	PROFIT	235.3	22.1						
1	RADIATOR	235.4							
1	RADIATING	100.1							
1	RADIATION	235.2	21.1						
1	ROUND	235.3							
1	SAFETY	235.1							
1	SECTIONS	235.1							
1	SLACK	22.2	24.3						
1	SP	25.1							
1	SQUAD	235.1							
1	SWITCH	235.1							
1	SWITCHES	235.3	100.2						
1	TARGET	235.1							

PCS WORD LIST BY PAGE

1	TU	235.3	100.1	25.1	24.1	22.1	21.1	6.1
1	TOL	25.1	24.1					
1	TORQUE	235.1						
1	TOWED	25.4						
1	TROUBLESHOOTING	235.2	25.1	24.1				
1	UP	235.1						
1	VULCAN	21.1	25.4	24.3	22.4			
1	WAVEGUIDE	100.1						
1	WRINGER	235.1						
2	ABNORMAL	235.3						
2	ALL	235.3	25.1	24.1	22.1	21.1		
2	AREA	235.1	25.1	24.1	22.1			
2	AVAILABLE	25.1						
2	AWARE	100.1						
2	BEFORE	235.2						
2	BETWEEN	235.1						
2	CAPABILITY	100.1	235.1					
2	CHECK	235.2	22.1					
2	CHUCKS	235.2	100.1	22.1				
2	COMPLETE	235.3	100.1					
2	COMPONENTS	235.1						
2	CONDITIONS	24.1	22.1	21.1	25.1			
2	COUNTER	235.1						
2	DA	235.9	100.2					
2	DAILY	235.1	22.1					
2	DAMAGE	255.1						
2	DEFICIENCIES	235.3	100.1					
2	DESH	235.1						
2	DISTINGUISH	235.1						
2	EQUIPMENT	21.1	25.1	24.1	22.1			
2	EXHAUST	235.1						
2	FEE	235.1						
2	FW	21.1	25.1	24.1	22.1			
2	FROM	235.6	100.2					
2	GAS	235.2	100.1					
2	GENERATOR	205.1						
2	HOLD	255.1						
2	INJECTION	100.2						
2	LATCH	235.1						
2	HAZARD	235.1						
2	HAZARDS	100.1						
2	IN	235.2	25.2	24.1	22.2	21.1		
2	IDENTIFICATIONS	215.3	100.1					
2	INDICATORS	235.3	100.1					
2	IMPLICIT	235.1	100.2					
2	INSURE	235.2						
2	INTERFERES	235.1						
2	KNOCK	235.1	100.3					
2	KNOWLEDGES	100.1	235.3					
2	LESS	235.1						

PCS WORD LIST BY PAGE

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2	LEVER	235.1				
2	LD	235.1	100.1			
2	LUBRICANTS	235.1				
2	METERS	235.1				
2	MINUTE	235.1				
2	MOLATING	235.1				
2	MUST	235.1				
2	NECESSARY	6.1				
2	NORMAL	235.3	100.1			
2	APPROXIMATELY	22.1	21.1			
2	NOTHING	235.1				
2	OBSERVE	235.1				
2	ON	235.3	25.1	24.1	21.1	
2	OUTDOORS	24.1				
2	PERSONNEL	235.1	22.1	21.1		
2	POINT	235.4	100.1			
2	POSITION	235.1				
2	POSITIONING	235.1				
2	PURPOSE	170.1				
2	RECOGNIZE	235.3				
2	RECORDED	235.3				
2	REPORTED	130.1	235.3			
2	REQUIRED	235.1	22.1			
2	SCENE	235.2				
2	SECTION	235.1	25.1	22.1		
2	SECURE	235.1				
2	SECURITY	235.1				
2	SECTOR	25.1	22.1	21.1		
2	SERVICES	235.1	100.1			
2	STANDARDS	235.3	100.1			
2	SUPERVISION	25.1				
2	SYSTEM	21.1	235.2	100.1	25.1	24.3
2	SYSTEMS	21.1				22.2
2	TACTICAL	235.1	24.1	22.1		
2	TRANSVERSING	25.1				
2	TYPES	235.1				
2	USE	25.1	24.1	22.1	21.1	
2	WEATHER	25.1				
2	WIRING	235.1				
2	WITH	235.1				
3	ACCORDING	235.3	6.1			
3	ADMINISTRATIVE	25.1	24.1			
3	APPROPRIATE	235.3	100.1			
3	BEYOND	235.3	100.1			
3	CHAPTER	235.1				
3	CRITICAL	25.4	22.1			
3	ENCLOSED	235.1				
3	EXISTS	235.1				
3	INDIVIDUAL	235.3	100.1			

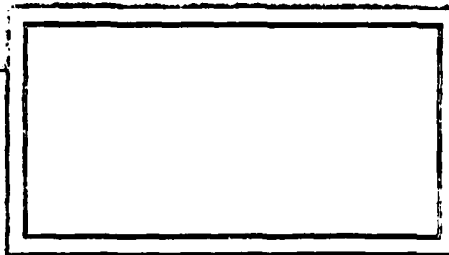
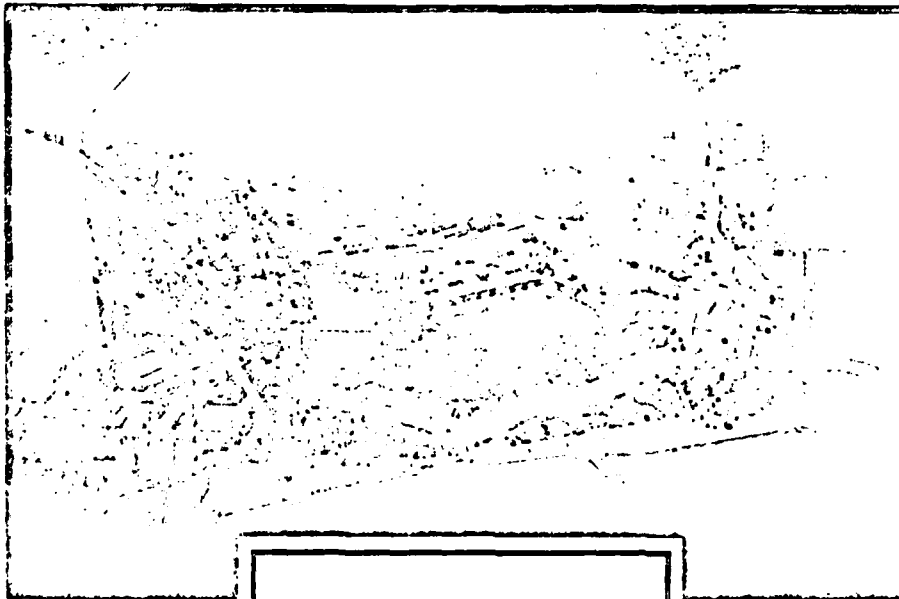
MCS WCPD LIST BY PAGE

DATE 80204 1448 PAGE 4

1	INDECS	25.1	22.1				
1	INTERVAL	235.1	21.1				
1	IS	22.2	21.1	235.2	25.2	24.1	
1	MATERIALS	25.1					
1	MORE	235.1					
1	OF	235.14100.3		25.2	24.1	21.1	
1	OPTICAL	235.1					
1	OR	1.4	100.1	25.2	24.2	22.2	
1	POTITION	235.3	100.1				
1	POTENTIAL	235.1					
1	SKILL	25.1	22.1				
1	SKILLS	235.3	100.1				
1	TASK	25.3	24.2	22.3	21.3		
1	TACKS	22.1					
1	AND	235.22100.5		25.1	24.1		
1	ANY	235.2					
1	ARE	235.1					
1	AS	25.1					
1	AT	235.2					
1	BL	235.5	100.3	25.1	24.1	22.2	21.1
1	BY	22.1	21.1				
1	CREWMEN	25.1	22.1				
1	FOR	22.2	235.5	25.1			
1	HOLD	235.1					
1	MAY	235.2	25.1	22.1	21.1		
1	PERIOD	235.1					
1	THAN	235.2					
1	THAT	235.10100.1					
1	TO	235.10100.2		6.1			
1	WHEN	235.1					
1	WILL	235.3	100.2	25.1	24.1	22.1	
1	YOU	25.1					
1	YOUR	25.1					
1	A	235.3	24.1				
1	AN	22.2	235.2	25.1			
1	FOCK	100.1	235.3				
1	II	22.1					
1	III	25.1					
1	PARTIALLY-CPERATIONAL	24.1					
1	THE	235.17100.3		25.1	24.1	22.2	21.1
1	V	235.1					

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UNITED STATES ARMY TRAINING AND DOCTRINE COMMAND
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