

AD-A116 633 ARMY TRAINING DEVELOPMENTS INST FORT MONROE VA
WORD CRITICALITY ANALYSIS. MOS: 31J. SKILL LEVELS 1 & 2. (U)
SEP 81 A A LONGO
UNCLASSIFIED MOS-31J

F/G 5/9

NL

1-1

1

END
NO
RETRY

DTIC FILE COPY

AD A116633

HEADQUARTERS

DATA CONTROL NUMBER



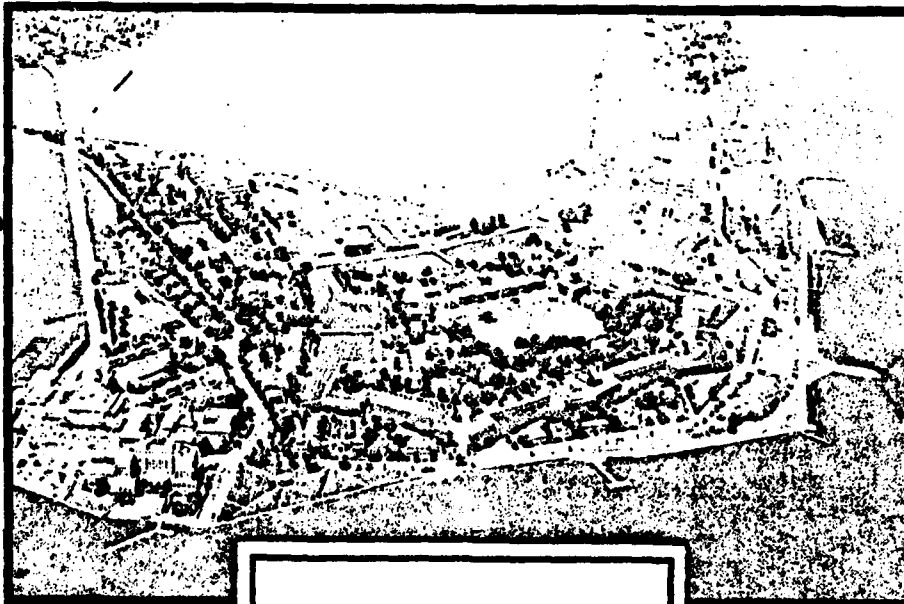
100 NO / PROTECT NO

UNITED STATES ARMY TRAINING AND DOCTRINE COMMAND

FORT MONROE, VIRGINIA 23651

DISTRIBUTION STATEMENT A
Approved for public release;
Distribution Unlimited

Copy available to DTIC does not
permit fully legible reproduction



Word Criticality Analysis

MOS: 31J

Skill Levels 1 & 2

DTIC
EXCISE

JUL 8 1982

H

D

82 07 06 197

PREPARED BY: OPERATIONS DIV, DPFO

ATDP FORM
Oct 66 109-1

Feb 66 edition may be used
until exhausted.

COPY ____ OF ____ COPIES

DISCLAIMER NOTICE

**THIS DOCUMENT IS BEST QUALITY
PRACTICABLE. THE COPY FURNISHED
TO DTIC CONTAINED A SIGNIFICANT
NUMBER OF PAGES WHICH DO NOT
REPRODUCE LEGIBLY.**

UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER 313	2. GOVT ACCESSION NO. AD-A116633	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) Word Criticality Analysis MOS: 313 Skill Level: V2		5. TYPE OF REPORT & PERIOD COVERED Final
7. AUTHOR(s) Dr. Alexander A. Longo		6. PERFORMING ORG. REPORT NUMBER
9. PERFORMING ORGANIZATION NAME AND ADDRESS Training Developments Institute ATTN: ATTG-DOR Fort Monroe, VA 23651		8. CONTRACT OR GRANT NUMBER(s)
11. CONTROLLING OFFICE NAME AND ADDRESS Training Developments Institute ATTN: ATTG-DOR Fort Monroe, VA 23651		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		12. REPORT DATE Sep 1981
		13. NUMBER OF PAGES 15
		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

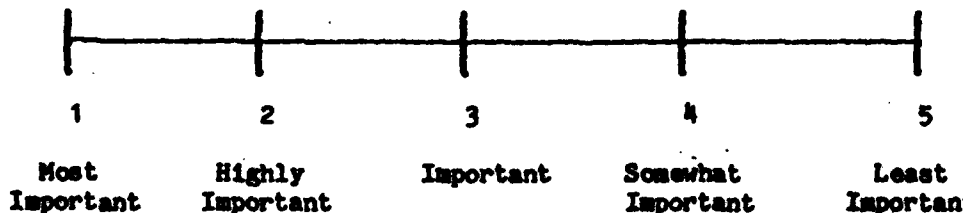
However, due to the way some Soldier Manuals are constructed, the WCA for some MOS have both Skill Levels merged into one report. Each Skill Level is subdivided into two sections.

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:



Access ☒	
NTIS ☒	
DTIC ☐	
Unannounced Justification ☐	
By _____	
Distribution/Availability Codes	
Dist	At 11 and/or Special
A	23

HEADQUARTERS
UNITED STATES ARMY TRAINING AND DOCTRINE COMMAND
FORT MONROE, VIRGINIA 23651

DATA CONTROL NUMBER
JOB NO / PROJECT NO



Word Crit- MOS-31J
Skill Level 1 and 2

KP = (A)
P = (A) B

COPY ____ OF ____ COPIES

PREPARED BY: OPERATIONS DIV, DPPD

ATDP FORM 109 (Supersedes ATDP 110, Jul 75, which is obsolete)

WCA

JAN 28 1981

JAN 28 1981

ORAD

DATE 81023 1001 PAGE 1

MO5-3LJ
SKILL LEVEL 1 MO2

[illegible]

DATE 01029 1001 PAGE 2

[illegible]

3

[illegible]

4

[illegible]

DATE 01022 1801 PAGE 6

2	LINE	102	27.1	25.1	15.1	12.1	10.1	5.1										
2	RAIN	30.2																
2	MAINTENANCE	4.2	2.1	21.4	9.2	7.1	3.1	44.1	39.18	30.32	24.1							
2	MAJON	6.2	5.1	4.1	2.1	23.5												
2	MAK	23.1	29.1	26.1	50.1	41.1	40.1	39.1	102.1									
2	MAXIMUM	30.1	9.1															
2	MECHANICAL	132.1	42.1	41.1	27.1	23.1	21.2	16.1	15.3	14.1	8.2	2.2						
2	MECHANISM	22.2	102.3	23.1														
2	MOBILE	44.1	39.2	30.2	11.1													
2	NONPRACTICAL	4.1	2.1	1.1	44.1	39.9	30.16	24.1	21.1	12.2	11.1	9.3						
2	OFF	27.1	10.1															
2	ON	20.1	19.1	6.1														
2	OLD	2.2																
2	OUTLET	4.2																
2	OUTPUT	7.2	6.1															
2	OVERHEAT	12.1																
2	PAGE	1.2	3.3	2.2	10.1	8.2	7.2	5.1	28.1	27.1	22.2	15.2	12.1	11.2				
2	PAGES	14.1																
2	PART	132.1	149.2	102.1	100.1	35.2	36.7	26.1	23.2	19.2	13.1	12.2	11.1	8.2				
2	PARIS	7.1	3.2	1.3														
2	PLUG	5.3	7.3	102.2	30.6	100.1	39.2	23.2	12.2	11.2								
2	POSITION	30.2	9.2	1.1														
2	POWER	4.1	1.1	28.1	12.1													
2	PRINT	1.1	13.1	9.1	11.1	10.4	8.3	4.5	6.1	5.3	30.3							
2	PRINTOUT	27.2																
2	PROBLEM	23.1																
2	PROPER	22.2	13.1	8.1	5.1													
2	PROTECTIVE	2.1	7.1															
2	RACK	5.1																
2	RANGEFINDER	9.1	8.1	16.1	12.2	30.1												
2	RANGEFINDERS	42.2	25.2															
2	RECEPTACLE	5.1	30.1															
2	RECAPTURE	21.2																
2	RECORD	23.1	1.1															
2	RECORDED	2.1																
2	RELAYS	20.1																
2	RELEASED	26.1																
2	REMOVED	1.1	6.1	2.1	132.1													
2	REPAIR	1.1	6.1	19.2	30.9	23.2	12.4	11.1	9.2	7.1	132.1	100.1						
2	REPLACE	102.1	30.1	8.1	7.1	4.2												
2	REPLACED	1.2	9.1															
2	REQUIRED	10.2	9.2	8.1	7.3	4.1	1.2	132.1	102.1	50.1	41.1	39.1	32.1	14.1				
2	REQUIREMENTS	21.1	16.1	30.2	22.1	13.1	12.1											
2	RIBBON	10.2																
2	RIBBON	30.2																
2	RING	27.1																
2	RPM	6.1	9.1	8.1	7.1	22.1	15.1											
2	SCHEMATIC	4.2	13.2	13.2	12.1													
2	SELECTALIZE	23.1	9.1	2.1	2.1													
2	SELECTED	10.1																

DATE 01023 1001 PAGE 7

2	SELECTOR	1:2	14:1																	
2	SEND	10:1	12:2																	
2	SENT	44:1	24:1																	
2	SEQUENCE	8:1	27:1	9:1																
2	SEQUENTIAL	27:2																		
2	SERVICE	26:2																		
2	SET	44:2	8:1	11:6	9:7	39:11	39:30	28:1	24:2	21:1	18:1	12:4	4:3	2:1						
		1:2																		
2	SETS	24:1	12:2	9:3	4:1	44:1	39:8	10:13												
2	SHORT	30:2																		
2	SIGNAL/BIAS	1:1																		
2	SIMULTANEOUS	22:1	14:1																	
2	SPACE	21:1	9:1																	
2	SPECIFIC	30:6																		
2	SPEED	15:1	22:1	10:2	9:3	8:2	7:2	6:1												
2	STATION	21:2	12:1	10:1																
2	SWITCH	1:1	19:2	6:1																
2	SYMBOL	44:1	44:2	39:1	24:1	21:2	11:1	1:4												
2	TANKS	9:1	39:16	39:9	4:1															
2	TAPE	1:1	30:1	27:2	14:1															
2	TASK	1:1	11:1	9:4	4:1	2:1	39:16	24:1	21:1	12:2	44:1	39:9								
2	TECHNICAL	30:2	28:1	22:1	21:1	12:1	9:1	8:3	2:1											
2	TECHNIQUES	1:2	132:2																	
2	TELEGRAPH	1:1	8:1	39:3																
2	TELETYPE	12:2	30:2	39:3																
2	TELETYPE FILTER	1:7	23:2	22:1	7:4	9:15	8:9	6:3	5:8	4:12	3:3	2:2	21:2	20:2						
		18:1	174:1	65:1	50:1	44:1	41:1	39:26	30:37	20:11	17:1	16:2	13:2	12:4						
		11:4	10:4	26:1	25:1	24:2														
2	TELETYPEWRITERS	21:1	30:2																	
2	TEMPORARY	30:2	11:1	44:1	39:2															
2	TERMS	39:2																		
2	TERMINAL	4:1	39:6	21:1	15:1	8:1														
2	TEST	2:1	1:2	45:1	249:1	201:1	102:1	51:2	44:5	43:1	39:12	30:29	28:1	27:3						
		24:4	28:3	22:1	21:1	4:4	13:2	12:5	11:2	10:3	9:8	8:2	6:2	5:2						
		15:2	14:1	13:1	16:2															
2	TESTED	12:1	8:2																	
2	TESTING	12:2	11:1	109:1	249:1															
2	TESTS	1:2	6:1	4:1	6:2	12:1	14:1													
2	THREE-WIRE	39:1																		
2	TIME	19:4	21:6	25:2	23:19	22:7	20:2	25:3	24:4	18:2	17:4	16:8	15:8	11:4						
		14:5	13:8	12:14	10:9	29:1	28:4	27:8	9:13	40:1	201:4	249:1	209:2	45:1						
		295:1	174:1	45:2	44:3	41:2	40:3	39:7	35:1	32:1	30:43	8:31	7:18	6:22						
		5:26	4:27	3:9	2:9	1:35	102:1	100:1	68:1	51:5	50:1	44:2	155:1	149:3						
		132:7																		
2	TOGGLE	6:1																		
2	TRANSISTOR	11:1																		
2	TRANSMITTING	8:1																		
2	TROUBLE	2:1	1:1	8:2	6:1	11:4	9:4	2:1:1	5:1:2	44:1	12:2	42:1	41:1	39:4						
		30:6	28:1	24:1	23:1	21:1														
2	TROUBLES	28:1	8:1																	

DATE 810221 1001 PAGE 8

[illegible]

DATE 01023 1001 P462 9

[illegible]

DATE 01023 1001 PAGE 10

[illegible]

DATE 01023 1001 PAGE 11

3	MATCH	11:1	13:1																
3	MATERIALS	2:1	7:1	17:2	11:1	9:1	51:1	19:4	30:4										
3	DAY	1:2	4:3	2:4	30:53	24:3	21:3	12:8	11:2	9:7	8:1	7:1	100:1	44:3					
		37:21																	
3	MEASURE	42:1	9:1																
3	MEASURES	7:2	1:2	30:30	24:2	21:2	12:4	11:2	9:6	8:1	4:2	100:2	44:2	39:18					
3	MEASURING	30:1																	
3	MESSAGE	12:3	6:1	44:1	27:3	24:2	21:2												
3	MET	24:1	21:1	17:2	11:1	9:3	4:1	2:1	1:1	100:1	44:1	39:9	30:15						
3	HCU	5:5	4:6	2:6	1:5	100:2	50:2	44:4	42:2	41:2	39:18	30:34	28:2	27:6					
		24:4	23:6	22:5	21:2	19:2	18:2	15:6	14:2	13:1	12:15	11:7	10:8	9:10					
		8:18	7:3	6:8															
3	MODE	1:2	13:2																
3	MONTHLY	1:1																	
3	MOUNT	2:1																	
3	NEED	44:1	39:9	30:16	24:1	21:1	12:2	11:1	9:3	4:1	2:1	1:1							
3	NCH	149:1	132:1	8:1	2:4	1:1													
3	NSH	30:2	9:2																
3	NCHER	29:1																	
3	OBSERVED	40:2	21:2	1:1															
3	OBTAINED	12:1	10:1																
3	OBVIOUS	4:2	1:2	30:1	27:2	8:3													
3	OCCUR	8:1	27:1																
3	OFFICE	8:1	39:1	30:1															
3	OFFSET	70:1																	
3	UNIT	23:1	15:2																
3	USE	23:1	8:1	4:1															
3	JULY	22:1	17:1	14:2	10:2														
3	OPERATE	30:1	10:1	8:1	6:1														
3	OPERATES	8:1																	
3	OPERATING	7:1	9:1	6:1	41:1	13:1	12:1	*											
3	OPERATION	1:1	30:1	27:1	18:1	17:1	15:1	14:3	13:1	12:2	11:2	9:3	8:2	7:2					
		2:2																	
3	OPERATIONAL	1:1	3:1	2:2	100:1	39:6	30:14	12:2	8:2	6:1	5:1	4:3							
3	OPERATIONS	27:1	18:1	16:1															
3	OPTION	13:1																	
3	OPTIONS	10:1																	
3	ORGANIZATIONAL	2:1	9:4	8:1	24:1	21:1	12:2	11:1	44:1	39:6	30:12								
3	OUTSIDE	9:1																	
3	PANEL	11:1	50:1	41:1	30:1	28:2	13:1	12:1											
3	PAPER	30:1																	
3	PAK	1:3	39:9	35:1	32:2	31:1	30:40	29:1	28:3	27:7	26:2	25:9	24:3	23:13					
		27:6	21:6	19:3	18:2	17:3	16:7	15:6	14:5	13:9	12:10	11:4	10:11	9:10					
		8:27	7:17	6:18	5:17	4:26	3:9	2:8	467:1	452:1	249:1	209:1	251:4	174:1					
		152:1	149:3	132:5	102:1	100:1	69:1	51:5	50:1	44:2	43:3	42:3	41:2	40:3					
3	PARAGRAPH	12:1																	
3	PATCH	28:2	13:1	12:1	11:1	50:1	41:1												
3	PATCHING	42:1																	
3	PATTERNS	1:1																	
3	PENCIL-TYPE	10:1																	

DATE 01023 1001 PAGE 12

[illegible]

DATE 01023 1001 PAGE 13

3	STIMULATING	22.2	19.6	20.4	9.2	8.1											
3	STIMULUS	11.2	12.2														
3	STILL	1.1	4.2	3.1	30.2	3.5											
3	SMILE	1.1															
3	SNEAK	1.1															
3	SOLDER	4.1	39.9														
3	SOLDERING	1.1	4.1	30.1	12.2	30.4	6.1	9.1	7.1	132.1							
3	SOP	1.1	4.3	2.3	21.3	12.6	11.3	9.9	100.1	44.3	39.23	30.41	24.3				
3	SOURCE	4.2	10.1	5.1	30.2												
3	SPECIAL	4.1	30.2	12.2	11.1	9.3	39.2										
3	SPECIFIED	6.1	1.1	39.3													
3	STAGES	8.1															
3	STANDARDS	2.2	1.2	4.2	11.2	9.6	24.2	21.2	12.4	100.2	44.2	39.18	30.30				
3	STARTING	1.1	4.1														
3	STATEMENT	6.1															
3	STEP	12.2	21.1														
3	STEPS	7.1	4.1	23.2	15.2	11.1	8.2										
3	STOP	23.1															
3	SUBASSEMBLIES	7.2															
3	SUBPARAGRAPHS	22.2															
3	SUITABLE	5.1															
3	SUBBANK	35.2															
3	SUPERVISOR	4.1	2.1	44.1	39.9	30.17	24.1	21.1	12.2	11.1	9.3						
3	SUPPLIES	11.1															
3	SUPPLY	13.3															
3	SUPPORT	9.3	2.1	51.1	39.18	30.26	21.1										
3	SUSPECTED	2.1	44.1	39.4	30.3	12.2	24.1	10.1	9.2	11.1							
3	SWITCHES	10.1	8.2	5.1													
3	SYMPTOMS	2.1	1.7	39.2	30.5	23.2	12.2	11.2	9.3	6.1							
3	SYSTEM	4.1	8.3	9.1	30.15	37.9											
3	SYSTEMS	30.1															
3	TAB	1.1	7.1	6.2	5.1	30.1											
3	TABLE	1.1															
3	TABLES	30.16															
3	TACTICAL	1.1	11.1	9.3	4.1	2.1	21.1	12.2	44.1	39.9	30.16	24.1					
3	TAKE	30.1															
3	THROUGH	10.1	44.1	39.9	2.1	1.1	12.2	11.1	9.3	4.1	21.1	24.1	30.14				
3	TIME	1.11	24.2	28.14	27.1	12.3	10.6	17.6	23.8	22.2	21.3	20.1	11.7	9.3			
3		10.2	8.10	7.3	6.4	2.7	4.8	3.1	5.0	85.2	97.2	33.1	32.8	31.1			
3		452.1	293.1	201.1	180.1	175.1	150.2	149.1	133.3	114.1	132.2	124.1	33.1	40.1			
3		39.5	38.9	35.1	44.1	43.2	32.1	30.32	29.5								
3	TIME	39.2															
3	TOOL	39.1	4.1	30.3	11.1												
3	TOOLS	1.1	4.1	2.1	12.4	11.1	9.5	21.1	24.1	23.2	100.1	44.1	39.9	30.14			
3	TOTAL	39.2															
3	TRANSMISSION	27.2															
3	TUNING	22.1	15.1	9.1	8.1												
3	TYPE	39.1	30.1														
3	TYPING	30.2															
3	UNIT	40.5	10.1														

DATE 01023 1961 PAGE 14

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
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
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
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
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
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															

MNS WORK LIST BY PAGE

DATE 81023 1801 PAGE 15

4	SITUATION	21.1	39.9	30.15	24.1	2.1	1.1	12.2	11.1	9.3	4.1	44.1	
4	UNDOER	1.1	9.3	4.1	2.1	44.1	24.1	39.9	30.16	21.1	15.1	12.2	11.1
4	UNITS	12.1	10.1										
4	UTILIZING	6.1											
4	W/C	12.2	39.12	30.14	21.1	9.2	4.3						
4	W/RK	9.1											
5	FGC-159	39.1											
5	MOTOR	20.2	28.2	27.1	22.1	15.1	10.1	9.1	8.2	7.1	6.1		
5	NHC	44.1	39.9	30.16	24.1	21.1	2.1	1.1	12.2	11.1	9.3	4.1	
5	ON	5.1	4.2	3.1	1.3	100.1	40.2	30.3	28.1	27.1	23.2	21.3	19.1 17.1
5	ON-LEE	9.1	7.1	6.1									
5	RANGE	19.2											
5	READY	12.2											
		44.1	30.1	39.7	12.2	24.1	21.1	2.1	11.1	9.3	4.1		

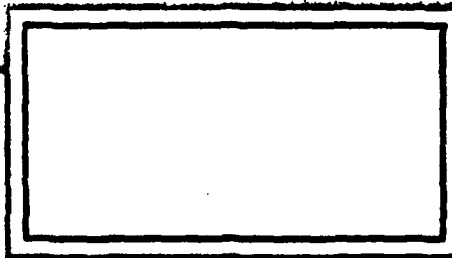
HEADQUARTERS

DATA CONTROL NUMBER

JOB NO / PROJECT NO

UNITED STATES ARMY TRAINING AND DOCTRINE COMMAND

FORT MONROE, VIRGINIA 23651



PREPARED BY: OPERATIONS DIV, DPFO

FORM
ATOP Oct 66 109-1 Feb 66 edition may be used until exhausted.

COPY ____ OF ____ COPIES

END

DATE
FILMED

8 82

DTIC