



Date: Sept. '77

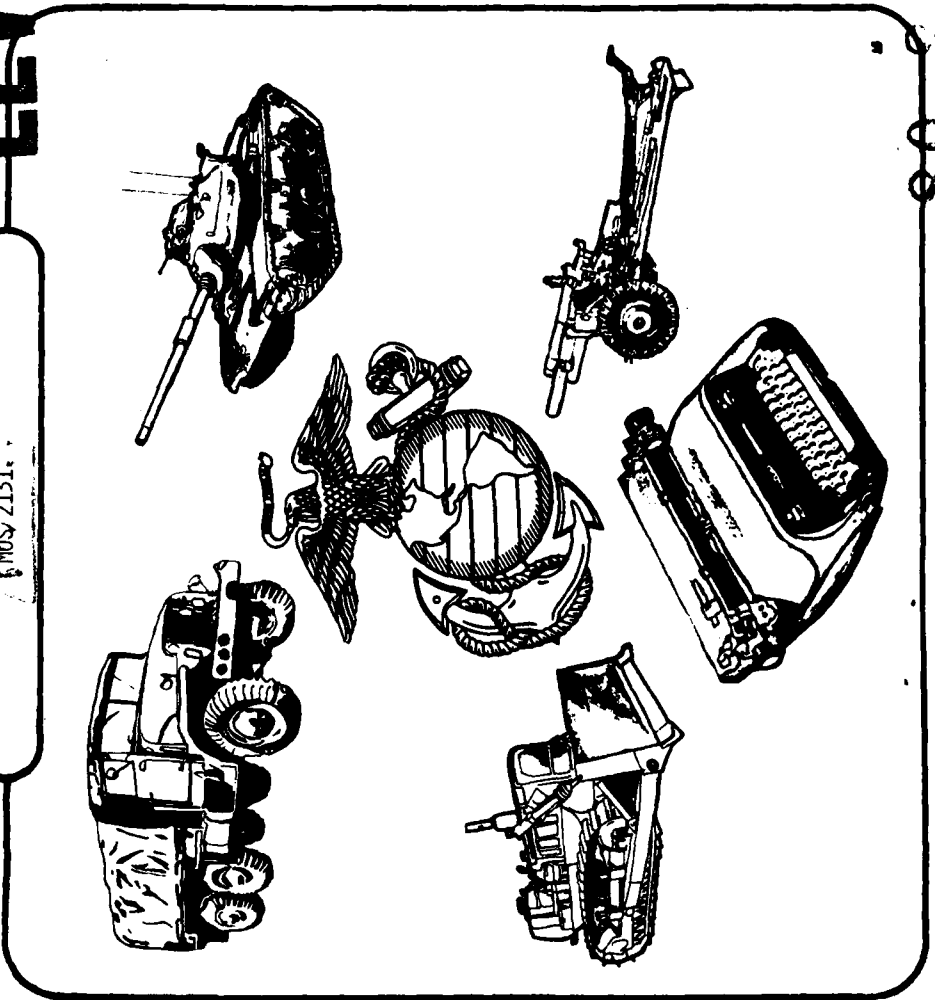
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HEADQUARTERS  
UNITED STATES MARINE CORPS

OFFICE OF MANPOWER UTILIZATION  
TASK ANALYSIS OF

LEVEL II

MOS/2131



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INTRODUCTION

YOU HAVE BEEN SELECTED TO PARTICIPATE IN A STUDY ON THE BASIS OF YOUR CURRENT JOB ASSIGNMENT. THE INFORMATION YOU FURNISH WILL BE OF GREAT VALUE TO THE MARINE CORPS IN FUTURE DECISIONS ON: (1) OCCUPATIONAL FIELD STRUCTURE, (2) TRAINING, (3) CLASSIFICATION, AND (4) ASSIGNMENT POLICY.

THIS QUESTIONNAIRE WAS CONSTRUCTED FROM ON-THE-JOB OBSERVATIONS AND INTERVIEWS WITH MARINES PERFORMING DUTIES AND TASKS SIMILAR TO THOSE YOU PERFORM. IT IS DESIGNED TO DETERMINE WHAT YOU DO IN YOUR PRESENT JOB.

THIS IS NOT A TEST. NEITHER YOU, YOUR COMMANDER, NOR YOUR UNIT WILL BE EVALUATED. IN ANY WAY, ON THE INFORMATION YOU PROVIDE. YOUR INDIVIDUAL ANSWERS WILL BE HELD IN THE STRICTEST CONFIDENCE.

THE RESULTS OF THE INFORMATION YOU PROVIDE IN THIS QUESTIONNAIRE WILL BE OF BENEFIT TO YOU AND OTHER MARINES IN YOUR OCCUPATIONAL FIELD. THEREFORE PLEASE BE AS STRAIGHTFORWARD, ACCURATE AND FRANK AS POSSIBLE. ALL ANSWERS SHOULD BE BASED ON YOUR PRESENT JOB ASSIGNMENT.

THERE ARE THREE PARTS TO THE QUESTIONNAIRE:

- PART I BACKGROUND INFORMATION
- PART II JOB SATISFACTION/DISSATISFACTION STATEMENTS
- PART III TASK STATEMENTS

THERE IS NO TIME LIMIT TO COMPLETE THIS QUESTIONNAIRE.  
PLEASE TURN THE PAGE

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( 1/ 1- 8)

1. BOOK NUMBER \_\_\_\_\_

( 1/ 9-12)

2. WHAT IS YOUR PRESENT REPORTING UNIT CODE (RUC)?

( 1/13-17)

\_\_\_\_\_

3. SOCIAL SECURITY NUMBER \_\_\_\_\_

( 1/18-26)

4. RANK

( 1/27)

1. PVT

2. PFC

3. LCPL

4. CPL

5. SGT

6. SSGT

7. GYSGT

8. MSGT

9. MGYSGT

( 1/28)

5. SEX

1. MALE

2. FEMALE

( 1/29-32)

6. PRIMARY MOS \_\_\_\_\_

( 1/33-36)

7. 1ST ADDITIONAL MOS \_\_\_\_\_

( 1/37-40)

8. BILLET/DUTY MOS \_\_\_\_\_

9. WHAT IS THE TOTAL TIME YOU HAVE IN:

( 1/41-42)

\_\_\_\_\_ (YEARS)

1. THE U.S. MARINE CORPS

( 1/43-44)

\_\_\_\_\_ (YEARS)

2. YOUR PRIMARY MOS

( 1/45-46)

\_\_\_\_\_ (MONTHS)

3. YOUR CURRENT ASSIGNMENT/BILLET

10. AT WHAT LEVEL OF COMMAND ARE YOU PRESENTLY WORKING? ( 1/47-48)

1. HQ FMFLANT/PAC
2. SEPARATE BATTALION
3. HQ MAF/MAB
4. SQUADRON
5. HQ DIVISION
6. COMPANY
7. HQ WING
8. SEPARATE COMPANY
9. HQ BRIGADE
10. DETACHMENT
11. REGIMENT
12. SUB-UNIT
13. AIRCRAFT GROUP
14. BATTALION

11. ON THE AVERAGE, HOW MANY HOURS PER WEEK ARE YOU REQUIRED TO WORK? ( 1/49)

1. LESS THAN 10 HOURS
2. 41 TO 45 HOURS
3. 46 TO 50 HOURS
4. 51 TO 60 HOURS
5. MORE THAN 60 HOURS

12. WHAT IS THE HIGHEST LEVEL OF CIVILIAN EDUCATION YOU HAVE COMPLETED? ( 1/50 )  
(TO INCLUDE GED CREDIT)

1. LESS THAN HIGH SCHOOL GRADUATE
2. HIGH SCHOOL GRADUATE
3. 1 YEAR COLLEGE
4. 2 YEARS COLLEGE
5. 2 YEARS COLLEGE WITH ASSOCIATE DEGREE
6. 3 YEARS COLLEGE
7. 4 YEARS COLLEGE WITH DEGREE

13. HOW DID YOU RECEIVE YOUR PRIMARY MOS? (SELECT ONE OR MORE)

1. SCREENED FOR TALENT OR CIVILIAN ACQUIRED SKILL ( 1/51 )
2. ON THE JOB TRAINING (OJT) ( 1/52 )
3. COMPLETION OF SERVICE SCHOOL OR COURSE ( 1/53 )
4. RETRAINING FROM OTHER MOS ( 1/54 )
5. LATERAL MOVE UPON REENLISTMENT ( 1/55 )
6. DIRECTED RECLASSIFICATION ( 1/56 )
7. PROMOTION OR REDUCTION IN GRADE ( 1/57 )



14. WHAT TYPE OF TRAINING DID YOU RECEIVE TO PREPARE YOU FOR YOUR PRESENT JOB? (SELECT ONE OR MORE)

- 1. ON THE JOB TRAINING ( 1/58)
- 2. COMMAND OR UNIT SPONSORED SCHOOL ( 1/59)
- 3. FORMAL SERVICE SCHOOL ( 1/60)
- 4. CIVILIAN SCHOOLING ( 1/61)
- 5. CIVILIAN EXPERIENCE ( 1/62)
- 6. CORRESPONDENCE COURSE(S) ( 1/63)
- 7. HAVE NOT RECEIVED ANY TRAINING ( 1/64)

15. WHICH OF THE FOLLOWING BEST DESCRIBES THE PERCENT OF TIME YOU SPEND PER MONTH ON NON-MOS TASKS? (SUCH AS, GENERAL MILITARY TRAINING, DUTIES, INSPECTIONS, DETAILS AND CEREMONIES)

- 1. LESS THAN 5% ( 1/65)
- 2. 6% TO 10%
- 3. 11% TO 15%
- 4. 16% TO 25%
- 5. 26% TO 50%
- 6. OVER 50%

16. MY PRESENT BILLET TITLE IS BEST DESCRIBED AS: (SELECT ONLY ONE)

1/56-67)

1. BATTALION ARMORER
2. ASSISTANT ARMORER
3. INFANTRY WEAPONS REPAIRMAN
4. ARMORER
5. INFANTRY WEAPONS ARMORER
6. REPAIR CONTROL ASSISTANT
7. R&E REPAIRMAN
8. ARTILLERY WEAPONS REPAIRMAN
9. SCHEDULING NCO
10. WEAPONS TECHNICIAN
11. SECTION LEADER
12. ARTILLERY WEAPONS REPAIRMAN/DRIVER
13. TANK REPAIRMAN
14. SQUAD LEADER
15. TANK RECOVERY VEHICLE CREWMAN
16. TANK RECOVERY VEHICLE COMMANDER
17. REPAIR CONTROL CLERK
18. RECOVERY VEHICLE SECTION LEADER

19. AMTRAC REPAIRMAN
20. TRACKED VEHICLE REPAIRMAN AMPHIBIAN
21. AMPHIBIOUS TRACTOR MECHANIC
22. REPAIR TEAM LEADER
23. LVT RECOVERY VEHICLE CREWMAN
24. LVT RECOVERY VEHICLE COMMANDER
25. SECTION CHIEF/TRACKED VEHICLE TECHNICIAN
26. SELFPROPELLED ARTILLERY REPAIRMAN
27. TRACKED VEHICLE TECHNICIAN
28. SELFPROPELLED ARTILLERY MECHANIC
29. TRACKED VEHICLE REPAIR CHIEF
30. TRACKED VEHICLE MAINTENANCE CHIEF
31. ASSISTANT TRACKED VEHICLE MAINTENANCE CHIEF
32. MAINTENANCE CHIEF
33. WEAPONS UNIT NCOIC
34. ASSISTANT UNIT LEADER
35. TURRET REPAIR CHIEF
36. TURRET REPAIRMAN
37. TURRET MECHANIC

38. OPTICAL INSTRUMENT REPAIR BRANCH CHIEF
39. OPTICAL INSTRUMENT REPAIRMAN
40. OPTICAL INSTRUMENT TECHNICIAN
41. DIVISION CHIEF
42. ORDNANCE CHIEF
43. PLATOON SGT
44. SHOPS MAINTENANCE MANAGEMENT CHIEF
45. METAL WORKER
46. SHEET METAL WORKER
47. WELDER
48. METAL WORKER FOREMAN
49. REPAIR SHOP MACHINIST
50. MACHINIST, WEAPONS REPAIR
51. MACHINIST FOREMAN
52. CHIEF WEAPONS REPAIR MACHINIST
53. MACHINE SHOP CHIEF
54. BODY REPAIRMAN
55. VEHICLE PAINTER
56. OTHER (INDICATE ON LAST PAGE OF BOOKLET)

17. HOW MANY PERSONNEL DO YOU DIRECTLY SUPERVISE ON MOS RELATED DUTIES?

( 1/68 )

1. NONE
2. 1-5
3. 6-10
4. MORE THAN 10

18. IN YOUR PRESENT JOB, WHAT IS THE HIGHEST ECHELON OF MAINTENANCE YOU PERFORM?

( 1/69 )

1. 1ST ECHELON
2. 2D ECHELON
3. 2D ECHELON LIMITED 3D
4. 3D ECHELON
5. 3D ECHELON LIMITED 4TH
6. 4TH ECHELON
7. 5TH ECHELON

19. WHAT PERCENT OF YOUR TIME IS SPENT IN MAINTENANCE RELATED ADMINISTRATIVE DUTIES?

- 1. LESS THAN 10%
- 2. 11% TO 25%
- 3. 26% TO 50%
- 4. 51% TO 75%
- 5. MORE THAN 75%

20. IN YOUR OPINION, SHOULD A PRIMARY MOS BE ESTABLISHED TO IDENTIFY A MAINTENANCE ADMINISTRATIVE CLERK?

( 1/71 )

- 1. YES
- 2. NO
- 3. NO OPINION

21. WHICH OF THE FOLLOWING MOS RELATED SCHOOLS OR COURSES HAVE YOU COMPLETED? (SELECT ONE OR MORE)

- 1. MOTOR TRANSPORT SNCO LEADERSHIP COURSE, CAMP LEJEUNE ( 1/72 )
- 2. ADVANCED AUTO MECHANIC/MAINTENANCE NCO COURSE, CAMP LEJEUNE ( 1/73 )
- 3. SPECIAL MULTIFUEL ENGINE COURSE, CAMP LEJEUNE ( 1/74 )

4. FUEL AND ELECTRICAL SYSTEMS REPAIR COURSE, ABERDEEN, MD. ( 1/75)
5. BASIC AUTO MECHANIC COURSE, CAMP LEJEUNE ( 1/76)
6. ARTILLERY TRACK VEHICLE MAINTENANCE SCHOOL, FORT SILL, OKLA. ( 1/77)
7. TRACKED VEHICLE REPAIRMAN, AMPHIBIAN VEHICLE COURSE, CAMP PENDLETON ( 1/78)
8. TRACKED VEHICLE REPAIRMAN COURSE, SELF-PROPELLED ARTILLERY COURSE, ABERDEEN, MD. ( 1/79)
9. TRACKED VEHICLE REPAIRMAN, TANK COURSE, ABERDEEN, MD. ( 2/ 1)
10. ENGINEER EQUIPMENT CHIEF COURSE, CAMP LEJEUNE ( 2/ 2)
11. ENGINEER EQUIPMENT MAINTENANCE COURSE, FORT BELVOIR, VA. ( 2/ 3)
12. ENGINEER EQUIPMENT MECHANIC SCHOOL, CAMP LEJEUNE ( 2/ 4)
13. JOURNEYMAN ENGINEER EQUIPMENT MECHANIC COURSE, CAMP LEJEUNE ( 2/ 5)
14. SMALL ARMS REPAIR COURSE, ABERDEEN, MD. ( 2/ 6)
15. ARTILLERY REPAIR SCHOOL, ABERDEEN, MD. ( 2/ 7)
16. TURRET REPAIRMAN SCHOOL, ABERDEEN, MD. ( 2/ 8)
17. FIRE CONTROL INSTRUMENT REPAIR COURSE, ABERDEEN, MD. ( 2/ 9)
18. OFFICE MACHINE REPAIR SCHOOL, FORT LEE, VA. ( 2/10)
19. BASIC METAL WORKERS COURSE, CAMP LEJEUNE ( 2/11)
20. JOURNEYMAN METAL WORKERS COURSE, CAMP LEJEUNE ( 2/12)
21. MACHINERY REPAIRMAN COURSE, CLASS A. N.T.C., SAN DIEGO, CA. ( 2/13)

22. MACHINIST COURSE, ABERDEEN, MD. ( 2/14)
23. METAL BODY REPAIR COURSE, ABERDEEN, MD. ( 2/15)
24. MAINTENANCE MANAGEMENT COURSE, ALBANY, GA. ( 2/16)
25. AUTOMOTIVE ENGINE MAINTENANCE AND REPAIR COURSE (MCI) ( 2/17)
26. AUTOMOTIVE POWER TRAINS COURSE (MCI) ( 2/18)
27. FUNDAMENTALS OF DIESEL ENGINES COURSE (MCI) ( 2/19)
28. GM SERIES 71 DIESEL ENGINES COURSE (MCI) ( 2/20)
29. BASIC ENGINEER EQUIPMENT MECHANIC COURSE (MCI) ( 2/21)
30. METALWORKING AND WELDING OPERATIONS COURSE (MCI) ( 2/22)
31. ENGINEER EQUIPMENT MECHANIC COURSE (MCI) ( 2/23)
32. REPAIR AND MAINTENANCE OF CREW-SERVED WEAPONS COURSE (MCI) ( 2/24)
33. ARMORY PROCEDURES COURSE (MCI) ( 2/25)
34. INSPECTION AND REPAIR OF SHOULDER WEAPONS COURSE (MCI) ( 2/26)
35. OTHER (INDICATE ON LAST PAGE OF BOOKLET) ( 2/27)



PART II SPECIAL INSTRUCTIONS

1. PART II CONTAINS SOME STATEMENTS ABOUT YOUR PRESENT JOB. THE STATEMENTS MAY OR MAY NOT BE COMPLETELY TRUE STATEMENTS ABOUT YOUR PRESENT JOB.
2. SHOW HOW MUCH EACH STATEMENT TELLS THE TRUTH ABOUT YOUR PRESENT JOB, BY CIRCLING ONE OF THE NUMBERS, FROM 1 TO 7, THAT APPEAR AT THE RIGHT OF EACH STATEMENT.

FOR EXAMPLE: IF YOU THINK A STATEMENT IS COMPLETELY FALSE, YOU SHOULD CIRCLE THE 1. ON THE OTHER HAND, IF YOU THINK A STATEMENT IS COMPLETELY TRUE, YOU SHOULD CIRCLE THE 7. THE NUMBERS BETWEEN 1 AND 7 HAVE BEEN GIVEN MEANINGS THAT ARE SHOWN AT THE TOP OF THE PAGE.

3. BE SURE TO ANSWER EVERY STATEMENT.

TURN TO THE NEXT PAGE AND BEGIN PART II

DO YOU AGREE  
 1 ABSOLUTELY DISAGREE  
 2 DISAGREE  
 3 TEND TO DISAGREE  
 4 DO NOT KNOW  
 5 TEND TO AGREE  
 6 AGREE  
 7 ABSOLUTELY AGREE

PLEASE INDICATE THE EXTENT TO WHICH YOU  
 AGREE OR DISAGREE WITH THE FOLLOWING  
 STATEMENTS ABOUT YOUR PRESENT JOB

1 I AM PAID ENOUGH FOR THE WORK I DO.	1	2	3	4	5	6	7	2/28
2 MY SUPERVISOR HELPS ME WHEN I NEED IT.	1	2	3	4	5	6	7	2/29
3 I THINK I WILL GET A FAIR CHANCE AT PROMOTION.	1	2	3	4	5	6	7	2/30
4 I AM TREATED WITH RESPECT.	1	2	3	4	5	6	7	2/31
5 MY SUPERVISOR LETS ME KNOW HOW I AM DOING.	1	2	3	4	5	6	7	2/32
6 I LIKE MY WORKING HOURS.	1	2	3	4	5	6	7	2/33
7 I GET THE CHANCE TO PROVE MYSELF.	1	2	3	4	5	6	7	2/34
8 I LIKE THE OTHER MARINES WHERE I WORK.	1	2	3	4	5	6	7	2/35
9 MY JOB IS IMPORTANT.	1	2	3	4	5	6	7	2/36
10 THE RULES AND REGULATIONS ARE FAIR.	1	2	3	4	5	6	7	2/37
11 I AM GIVEN ENOUGH RESPONSIBILITY AND INDEPENDENCE.	1	2	3	4	5	6	7	2/38
12 MY JOB LETS ME HAVE AN ENJOYABLE OFF-DUTY LIFE.	1	2	3	4	5	6	7	2/39
13 I AM PROUD OF MY JOB.	1	2	3	4	5	6	7	2/40
14 I LIKE THE TYPE OF WORK I DO.	1	2	3	4	5	6	7	2/41

15 I AM TREATED FAIRLY.	1	2	3	4	5	6	7	2/42
16 MY JOB GIVES ME A WAY TO IMPROVE MYSELF.	1	2	3	4	5	6	7	2/43
17 MY JOB MAKES GOOD USE OF MY ABILITY.	1	2	3	4	5	6	7	2/44
18 I AM KEPT WELL-INFORMED.	1	2	3	4	5	6	7	2/45
19 MY SUPERVISOR TRUSTS ME TO DO MY JOB WELL.	1	2	3	4	5	6	7	2/46
20 I CAN DEPEND ON THE OTHER MARINES WHERE I WORK.	1	2	3	4	5	6	7	2/47
21 MY SUPERVISOR IS GOOD AT HIS JOB.	1	2	3	4	5	6	7	2/48
22 MY FAMILY IS PLEASED THAT I AM A MARINE.	1	2	3	4	5	6	7	2/49
23 OVERALL, I HAVE BEEN SATISFIED WITH MY PRESENT JOB.	1	2	3	4	5	6	7	2/50
24 OVERALL, I HAVE BEEN SATISFIED WITH THE MARINE CORPS.	1	2	3	4	5	6	7	2/51

PART III SPECIAL INSTRUCTIONS

1. AS YOU READ EACH TASK IN THIS SECTION, PAGES 18 THROUGH 65 , PLACE A CHECKMARK IN THE COLUMN HEADED "CHECK IF DONE" FOR EACH TASK THAT YOU PERFORM IN YOUR PRESENT JOB. THE TASKS ARE NOT IN ANY PATTERN AND SIMILAR TASKS MAY SHOW UP SEVERAL PAGES APART. DO NOT CHECK THE TASKS THAT SEEM CLOSE TO THOSE YOU PERFORM BUT WAIT FOR THOSE THAT TELL EXACTLY WHAT YOU DO. IF YOU CHECK A TASK THAT IS CLOSE TO WHAT YOU DO AND THEN FIND THE EXACT TASK LATER, ERASE THE ONE PREVIOUSLY CHECKED. ACCURACY COUNTS.
2. DO NOT COMPLETE THE TIME SPENT PERFORMING COLUMN AT THIS TIME. THE REASON WE ASK YOU TO CHECK ONE COLUMN AT A TIME IS THAT IT PROVIDES MORE ACCURATE AND VALID INFORMATION.
3. IF A TASK THAT YOU PERFORM IS NOT LISTED ANYWHERE, WRITE IT ON PAGE NUMBER 69 .
4. REMEMBER, AT THIS TIME YOU ARE TO COMPLETE ONLY THE COLUMN HEADED "CHECK IF DONE" FOR PAGES 18 THROUGH 65 , NOW TURN TO PAGE 18 AND BEGIN.





TIME SPENT

I11 VERY LITTLE  
 I12 BELOW AVERAGE  
 I13 SLIGHTLY BELOW AVG  
 I14 AVERAGE  
 I15 SLIGHTLY ABOVE AVG  
 I16 ABOVE AVERAGE  
 I17 VERY MUCH

30	RECORD MAINTENANCE PERFORMED AND REPAIR PARTS USED ON TACTICAL EQUIPMENT REPAIR ORDER (ERO)	I11	2	3	4	5	6	7	3/2
31	REVIEW ERC FOR CORRECTNESS AND COMPLETENESS	I11	2	3	4	5	6	7	3/3
32	MONITOR ERO FOR PROGRESSION THROUGH MAINTENANCE/SUPPLY PROCESS	I11	2	3	4	5	6	7	3/4
33	CLOSE OUT ERO	I11	2	3	4	5	6	7	3/5
34	PREPARE ERO SHOPPING LIST	I11	2	3	4	5	6	7	3/6
35	MONITOR PREVENTIVE MAINTENANCE PROGRAM	I11	2	3	4	5	6	7	3/7
36	MONITOR MODIFICATION PROGRAMS	I11	2	3	4	5	6	7	3/8
37	MONITOR CALIBRATION PROGRAMS	I11	2	3	4	5	6	7	3/9
38	MONITOR CORRECTIVE MAINTENANCE PROGRAM	I11	2	3	4	5	6	7	3/10
39	MONITOR OPERATIONAL READINESS FLOAT PROGRAM	I11	2	3	4	5	6	7	3/11
40	VERIFY COMPLETION OF EROs AND ACCOMPANYING RECORDS FOR EQUIPMENT BEING INDUCED INTO REPAIR ACTIVITY	I11	2	3	4	5	6	7	3/12
41	PROCESS EQUIPMENT TO FLOAT, EVACUATION AND WASHOUT IN LIEU OF REPAIR	I11	2	3	4	5	6	7	4/13
42	PREPARE FORMS NECESSARY FOR EVACUATION, FLOAT AND WASHOUT IN LIEU OF REPAIR	I11	2	3	4	5	6	7	3/14
43	VERIFY ENTRIES IN SHIP RECORDS UPON COMPLETION OF MAINTENANCE	I11	2	3	4	5	6	7	3/15





TIME SPENT  
 I11 VERY LITTLE  
 I12 BELOW AVERAGE  
 I13 SLIGHTLY BELOW AVG  
 I14 AVERAGE  
 I15 SLIGHTLY ABOVE AVG  
 I16 ABOVE AVERAGE  
 I17 VERY MUCH

62	SCREEN REPAIR PARTS REQUISITIONS FOR ACCURACY	I11	2	3	4	5	6	7	3/34
63	PREPARE REQUISITIONS FOR REPAIR PARTS	I11	2	3	4	5	6	7	3/35
64	PREPARE REQUISITIONS FOR SHOP EQUIPMENT AND SPECIAL TOOLS	I11	2	3	4	5	6	7	3/36
65	INITIATE FOLLOW UP ACTION ON REPAIR PARTS REQUISITIONS	I11	2	3	4	5	6	7	3/37
66	CONTROL ISSUES FROM PARTS LAVETTES	I11	2	3	4	5	6	7	3/38
67	CONTROL ISSUE OF REPAIR PARTS	I11	2	3	4	5	6	7	3/39
68	STOCK PREEXPENDED BINS	I11	2	3	4	5	6	7	3/40
69	COMPLETE CONSOLIDATED MEMO RECEIPT (CMR) TO ACCOUNT FOR INVENTORY OF SHOP EQUIPMENT	I11	2	3	4	5	6	7	3/41
70	ESTABLISH PROCEDURES FOR CONTROL OF TOOLS AND TEST EQUIPMENT	I11	2	3	4	5	6	7	3/42
71	PREPARE FORMS NECESSARY FOR DISPOSAL OF EXCESS AND UNSERVICEABLE SHOP EQUIPMENT	I11	2	3	4	5	6	7	3/43
72	ASSIST IN PREPARATION OF SOP FOR MAINTENANCE MANAGEMENT	I11	2	3	4	5	6	7	3/44
73	PREPARE SOP FOR MAINTENANCE MANAGEMENT	I11	2	3	4	5	6	7	3/45
74	ADVISE IN PREPARATION OF SOP FOR MAINTENANCE MANAGEMENT	I11	2	3	4	5	6	7	3/46
75	MONITOR THE PREPARATION OF SOP FOR MAINTENANCE MANAGEMENT	I11	2	3	4	5	6	7	3/47









44	REPAIR	ELEVATING ARCS	1	2	3	4	5	6	7	4/19
45	REPLACE	ELEVATING ARCS	1	2	3	4	5	6	7	4/20
46	OVERHAUL	ELEVATING ARCS	1	2	3	4	5	6	7	4/21
47	INSPECT	FIRING MECHANISM ASSEMBLY FOR SERVICEABILITY	1	2	3	4	5	6	7	4/22
48	REPAIR	FIRING MECHANISM ASSEMBLY	1	2	3	4	5	6	7	4/23
49	REPLACE	FIRING MECHANISM ASSEMBLY	1	2	3	4	5	6	7	4/24
50	OVERHAUL	FIRING MECHANISM ASSEMBLY	1	2	3	4	5	6	7	4/25
51	INSPECT	TRaversING MECHANISM FOR SERVICEABILITY	1	2	3	4	5	6	7	4/26
52	SERVICE	TRaversING MECHANISM ASSEMBLY	1	2	3	4	5	6	7	4/27
53	REPAIR	TRaversING MECHANISM ASSEMBLY	1	2	3	4	5	6	7	4/28
54	REPLACE	TRaversING MECHANISM ASSEMBLY	1	2	3	4	5	6	7	4/29
55	INSPECT	TRAIL HINGE PIN ASSEMBLY FOR SERVICEABILITY	1	2	3	4	5	6	7	4/30
56	SERVICE	TRAIL HINGE PIN ASSEMBLY	1	2	3	4	5	6	7	4/31
57	REPAIR	TRAIL HINGE PIN ASSEMBLY	1	2	3	4	5	6	7	4/32
58	REPLACE	TRAIL HINGE PIN ASSEMBLY	1	2	3	4	5	6	7	4/33
59	OVERHAUL	TRAIL HINGE PIN ASSEMBLY	1	2	3	4	5	6	7	4/34
60	INSPECT	TRAIL AND SPADE ASSEMBLY FOR SERVICEABILITY	1	2	3	4	5	6	7	4/35
61	SERVICE	TRAIL AND SPADE ASSEMBLY	1	2	3	4	5	6	7	4/36

		TIME SPENT							
		I1	I2	I3	I4	I5	I6	I7	
		VERY	LITTLE	BELOW	AVERAGE	SLIGHTLY	BELOW	AVG	
		IC	F12	IH	DI4	IC	DI5	SLIGHTLY	ABOVE
		IK	NI6	ABOVE	AVERAGE	VERY	MUCH		
		I1	I2	I3	I4	I5	I6	I7	
62	REPAIR TRAIL AND SPADE ASSEMBLY	I1	I2	I3	I4	I5	I6	I7	4/37
63	REPLACE TRAIL AND SPADE ASSEMBLY	I1	I2	I3	I4	I5	I6	I7	4/38
64	OVERHAUL TRAIL AND SPADE ASSEMBLY	I1	I2	I3	I4	I5	I6	I7	4/39
65	INSPECT WHEEL AND HUB ASSEMBLY FOR SERVICEABILITY	I1	I2	I3	I4	I5	I6	I7	4/40
66	SERVICE WHEEL AND HUB ASSEMBLY	I1	I2	I3	I4	I5	I6	I7	4/41
67	ADJUST WHEEL AND HUB ASSEMBLY	I1	I2	I3	I4	I5	I6	I7	4/42
68	REPAIR WHEEL AND HUB ASSEMBLY	I1	I2	I3	I4	I5	I6	I7	4/43
69	REPLACE WHEEL AND HUB ASSEMBLY	I1	I2	I3	I4	I5	I6	I7	4/44
70	INSPECT PINTLE ASSEMBLY FOR SERVICEABILITY	I1	I2	I3	I4	I5	I6	I7	4/45
71	REPAIR PINTLE ASSEMBLY	I1	I2	I3	I4	I5	I6	I7	4/46
72	REPLACE PINTLE ASSEMBLY	I1	I2	I3	I4	I5	I6	I7	4/47
73	SERVICE PINTLE ASSEMBLY	I1	I2	I3	I4	I5	I6	I7	4/48
74	OVERHAUL PINTLE ASSEMBLY	I1	I2	I3	I4	I5	I6	I7	4/49
75	INSPECT EQUALIZER SUPPORT ASSEMBLY FOR SERVICEABILITY	I1	I2	I3	I4	I5	I6	I7	4/50

76	REPLACE	EQUALIZER SUPPORT ASSEMBLY	1	1	2	3	4	5	6	7	4/51
77	INSPECT	TRAVELING LOCK ASSEMBLY FOR SERVICEABILITY	1	1	2	3	4	5	6	7	4/52
78	SERVICE	TRAVELING LOCK ASSEMBLY	1	1	2	3	4	5	6	7	4/53
79	REPAIR	TRAVELING LOCK ASSEMBLY	1	1	2	3	4	5	6	7	4/54
80	REPLACE	TRAVELING LOCK ASSEMBLY	1	1	2	3	4	5	6	7	4/55
81	OVERHAUL	TRAVELING LOCK ASSEMBLY	1	1	2	3	4	5	6	7	4/56
82	INSPECT	BRAKE OPERATING ASSEMBLY FOR SERVICEABILITY	1	1	2	3	4	5	6	7	4/57
83	SERVICE	BRAKE OPERATING ASSEMBLY	1	1	2	3	4	5	6	7	4/58
84	ADJUST	BRAKE OPERATING ASSEMBLY	1	1	2	3	4	5	6	7	4/59
85	REPAIR	BRAKE OPERATING ASSEMBLY	1	1	2	3	4	5	6	7	4/60
86	REPLACE	BRAKE OPERATING ASSEMBLY	1	1	2	3	4	5	6	7	4/61
87	INSPECT	AXLE LOCK FOR SERVICEABILITY	1	1	2	3	4	5	6	7	4/62
88	SERVICE	AXLE LOCK	1	1	2	3	4	5	6	7	4/63
89	REPAIR	AXLE LOCK	1	1	2	3	4	5	6	7	4/64
90	OVERHAUL	AXLE LOCK	1	1	2	3	4	5	6	7	4/65
91	INSPECT	SIGHT BRACKET ASSEMBLY FOR SERVICEABILITY	1	1	2	3	4	5	6	7	4/66
92	REPAIR	SIGHT BRACKET ASSEMBLY	1	1	2	3	4	5	6	7	4/67
93	REPLACE	SIGHT BRACKET ASSEMBLY	1	1	2	3	4	5	6	7	4/68



		TIME SPENT						
		1	2	3	4	5	6	7
I	I11 VERY LITTLE							
IC	F12 BELOW AVERAGE							
JH	I3 SLIGHTLY BELOW AVGI							
IE	D14 AVERAGE							
IC	O15 SLIGHTLY ABOVE AVGI							
IK	N16 ABOVE AVERAGE							
	E17 VERY MUCH							

94 OVERHAUL SIGHT BRACKET ASSEMBLY

4/69





TIME SPENT  
 I11 VERY LITTLE  
 I12 BELOW AVERAGE  
 I13 SLIGHTLY BELOW AVG  
 I14 AVERAGE  
 I15 SLIGHTLY ABOVE AVG  
 I16 ABOVE AVERAGE  
 I17 VERY MUCH

30	REPLACE TRAVERSING MECHANISM	I11	2	3	4	5	6	7	5/20
31	INSPECT EQUILIBRATOR ASSEMBLY FOR SERVICEABILITY	I11	2	3	4	5	6	7	5/21
32	SERVICE EQUILIBRATOR ASSEMBLY	I11	2	3	4	5	6	7	5/22
33	ADJUST EQUILIBRATOR ASSEMBLY	I11	2	3	4	5	6	7	5/23
34	REPAIR EQUILIBRATOR ASSEMBLY	I11	2	3	4	5	6	7	5/24
35	REPLACE EQUILIBRATOR ASSEMBLY	I11	2	3	4	5	6	7	5/25
36	INSPECT TOP CARRIAGE FOR SERVICEABILITY	I11	2	3	4	5	6	7	5/26
37	REPAIR TOP CARRIAGE	I11	2	3	4	5	6	7	5/27
38	REPLACE TOP CARRIAGE	I11	2	3	4	5	6	7	5/28
39	INSPECT BOTTOM CARRIAGE FOR SERVICEABILITY	I11	2	3	4	5	6	7	5/29
40	REPAIR BOTTOM CARRIAGE	I11	2	3	4	5	6	7	5/30
41	REPLACE BOTTOM CARRIAGE	I11	2	3	4	5	6	7	5/31
42	INSPECT FIRING JACK ASSEMBLY FOR SERVICEABILITY	I11	2	3	4	5	6	7	5/32
43	REPAIR FIRING JACK ASSEMBLY	I11	2	3	4	5	6	7	5/33

44	REPLACE	FIRING JACK ASSEMBLY	1	1	2	3	4	5	6	7	5/34
45	INSPECT	AIR BRAKES FOR SERVICEABILITY	1	1	2	3	4	5	6	7	5/35
46	SERVICE	AIR BRAKES	1	1	2	3	4	5	6	7	5/36
47	ADJUST	AIR BRAKES	1	1	2	3	4	5	6	7	5/37
48	REPAIR	AIR BRAKES	1	1	2	3	4	5	6	7	5/38
49	REPLACE	AIR BRAKES	1	1	2	3	4	5	6	7	5/39
50	INSPECT	WHEEL AND HUB ASSEMBLY FOR SERVICEABILITY	1	1	2	3	4	5	6	7	5/40
51	REPAIR	WHEEL AND HUB ASSEMBLY	1	1	2	3	4	5	6	7	5/41
52	REPLACE	WHEEL AND HUB ASSEMBLY	1	1	2	3	4	5	6	7	5/42
53	INSPECT	HAND BRAKE ASSEMBLY FOR SERVICEABILITY	1	1	2	3	4	5	6	7	5/43
54	SERVICE	HAND BRAKE ASSEMBLY	1	1	2	3	4	5	6	7	5/44
55	REPLACE	HAND BRAKE ASSEMBLY	1	1	2	3	4	5	6	7	5/45
56	INSPECT	TRAVELING LOCK GROUP FOR SERVICEABILITY	1	1	2	3	4	5	6	7	5/46
57	REPAIR	TRAVELING LOCK GROUP	1	1	2	3	4	5	6	7	5/47
58	REPLACE	TRAVELING LOCK GROUP	1	1	2	3	4	5	6	7	5/48
59	INSPECT	TRAIL ASSEMBLY FOR SERVICEABILITY	1	1	2	3	4	5	6	7	5/49
60	REPAIR	TRAIL ASSEMBLY	1	1	2	3	4	5	6	7	5/50
61	REPLACE	TRAIL ASSEMBLY	1	1	2	3	4	5	6	7	5/51



TIME SPENT	
I	111 VERY LITTLE
IC	F12 BELOW AVERAGE
IH	I3 SLIGHTLY BELOW AVGI
IE	D14 AVERAGE
IC	O15 SLIGHTLY ABOVE AVGI
IK	N16 ABOVE AVERAGE
	E17 VERY MUCH

PERFORM SELF-PROPELLED (SP) MEDIUM HOWITZER MAINTENANCE DUTIES										
1	SUPERVISE PERSONNEL IN SP MEDIUM HOWITZER MAINTENANCE	I	I	2	3	4	5	6	7	5/53
2	INSTRUCT/TRAIN PERSONNEL IN SP MEDIUM HOWITZER MAINTENANCE	I	I	2	3	4	5	6	7	5/54
3	INSPECT BRECHBLOCK FOR SERVICEABILITY	I	I	2	3	4	5	6	7	5/55
4	SERVICE BRECHBLOCK	I	I	2	3	4	5	6	7	5/56
5	REPAIR BRECHBLOCK	I	I	2	3	4	5	6	7	5/57
6	REPLACE BRECHBLOCK	I	I	2	3	4	5	6	7	5/58
7	INSPECT BRECHBLOCK CARRIER ASSEMBLY FOR SERVICEABILITY	I	I	2	3	4	5	6	7	5/59
8	SERVICE BRECHBLOCK CARRIER ASSEMBLY	I	I	2	3	4	5	6	7	5/60
9	ADJUST BRECHBLOCK CARRIER ASSEMBLY	I	I	2	3	4	5	6	7	5/61
10	REPAIR BRECHBLOCK CARRIER ASSEMBLY	I	I	2	3	4	5	6	7	5/62
11	REPLACE BRECHBLOCK CARRIER ASSEMBLY	I	I	2	3	4	5	6	7	5/63

12	INSPECT	BREECHBLOCK OPERATING HANDLE FOR SERVICEABILITY	1	2	3	4	5	6	7	5/64
13	SERVICE	BREECHBLOCK OPERATING HANDLE	1	2	3	4	5	6	7	5/62
14	REPAIR	BREECHBLOCK OPERATING HANDLE	1	2	3	4	5	6	7	5/66
15	REPLACE	BREECHBLOCK OPERATING HANDLE	1	2	3	4	5	6	7	5/67
16	INSPECT	BREECH MECHANISM FOR SERVICEABILITY	1	2	3	4	5	6	7	5/68
17	SERVICE	BREECH MECHANISM	1	2	3	4	5	6	7	5/69
18	ADJUST	BREECH MECHANISM	1	2	3	4	5	6	7	5/70
19	INSPECT	BREECH RING FOR SERVICEABILITY	1	2	3	4	5	6	7	5/71
20	SERVICE	BREECH RING	1	2	3	4	5	6	7	5/72
21	REPAIR	BREECH RING	1	2	3	4	5	6	7	5/73
22	REPLACE	BREECH RING	1	2	3	4	5	6	7	5/74
23	INSPECT	BREECH RING BODY FOR SERVICEABILITY	1	2	3	4	5	6	7	5/75
24	REPAIR	BREECH RING BODY	1	2	3	4	5	6	7	5/76
25	INSPECT	HOMITZER TUBE FOR SERVICEABILITY (BUKESCOPE OR PULL-OVER GAGE)	1	2	3	4	5	6	7	5/77
26	INSPECT	CANNON ASSEMBLY FOR SERVICEABILITY	1	2	3	4	5	6	7	5/78
27	SERVICE	CANNON ASSEMBLY	1	2	3	4	5	6	7	5/79
28	REPAIR	CANNON ASSEMBLY	1	2	3	4	5	6	7	6/1
29	REPLACE	CANNON ASSEMBLY	1	2	3	4	5	6	7	6/2





44	REPLACE	OBTURATOR SPINDLE GR JUP	1	1	2	3	4	5	6	7	6/17
45	INSPECT	COUNTER-RECOIL BUFFER ASSEMBLY FOR SERVICEABILITY	1	1	2	3	4	5	6	7	6/18
46	SERVICE	COUNTER-RECOIL BUFFER ASSEMBLY	1	1	2	3	4	5	6	7	6/19
47	REPLACE	COUNTER-RECOIL BUFFER ASSEMBLY	1	1	2	3	4	5	6	7	6/20
48	INSPECT	RECOIL CYLINDER ASSEMBLY FOR SERVICEABILITY	1	1	2	3	4	5	6	7	6/21
49	SERVICE	RECOIL CYLINDER ASSEMBLY	1	1	2	3	4	5	6	7	6/22
50	REPAIR	RECOIL CYLINDER ASSEMBLY	1	1	2	3	4	5	6	7	6/23
51	REPLACE	RECOIL CYLINDER ASSEMBLY	1	1	2	3	4	5	6	7	6/24
52	INSPECT	RECUPERATOR ASSEMBLY FOR SERVICEABILITY	1	1	2	3	4	5	6	7	6/25
53	SERVICE	RECUPERATOR ASSEMBLY	1	1	2	3	4	5	6	7	6/26
54	REPLACE	RECUPERATOR ASSEMBLY	1	1	2	3	4	5	6	7	6/27
55	INSPECT	REPLENISHER ASSEMBLY FOR SERVICEABILITY	1	1	2	3	4	5	6	7	6/28
56	REPAIR	REPLENISHER ASSEMBLY	1	1	2	3	4	5	6	7	6/29
57	REPLACE	REPLENISHER ASSEMBLY	1	1	2	3	4	5	6	7	6/30
58	INSPECT	VARIABLE RECOIL GROUP FOR SERVICEABILITY	1	1	2	3	4	5	6	7	6/31
59	SERVICE	VARIABLE RECOIL GROUP	1	1	2	3	4	5	6	7	6/32
60	REPAIR	VARIABLE RECOIL GROUP	1	1	2	3	4	5	6	7	6/33
61	REPLACE	VARIABLE RECOIL GPJUP	1	1	2	3	4	5	6	7	6/34

TIME SPENT

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	
	VERY	LITTLE	BELOW	AVERAGE	SLIGHTLY	BELOW	AVG	AVERAGE	SLIGHTLY	ABOVE	AVG	ABOVE	VERY
	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	
62 INSPECT	LEADER/RAMMER ASSEMBLY FOR SERVICEABILITY												
63 SERVICE	RAMMER TRAY												
64 ADJUST	RAMMER TRAY												
65 REPAIR	RAMMER TRAY												
66 REPLACE	RAMMER TRAY												
67 INSPECT	CAB MOUNTED RAMMER ASSEMBLY FOR SERVICEABILITY												
68 SERVICE	CAB MOUNTED RAMMER ASSEMBLY												
69 ADJUST	CAB MOUNTED RAMMER ASSEMBLY												
70 REPAIR	CAB MOUNTED RAMMER ASSEMBLY												
71 REPLACE	CAB MOUNTED RAMMER ASSEMBLY												
72 INSPECT	WEAPON MOUNTED RAMMER ASSEMBLY FOR SERVICEABILITY												
73 SERVICE	WEAPON MOUNTED RAMMER ASSEMBLY												
74 ADJUST	WEAPON MOUNTED RAMMER ASSEMBLY												
75 REPAIR	WEAPON MOUNTED RAMMER ASSEMBLY												

76	REPLACE	WEAPON MOUNT, PAMPER ASSEMBLY	1	2	3	4	5	6	7	6/49
77	INSPECT	EQUILIBRATOR ASSEMBLY FOR SERVICEABILITY	1	2	3	4	5	6	7	6/50
78	SERVICE	EQUILIBRATOR ASSEMBLY	1	2	3	4	5	6	7	6/51
79	ADJUST	EQUILIBRATOR ASSEMBLY	1	2	3	4	5	6	7	6/52
80	INSPECT	EQUILIBRATOR CYLINDER FOR SERVICEABILITY	1	2	3	4	5	6	7	6/53
81	REPAIR	EQUILIBRATOR CYLINDER	1	2	3	4	5	6	7	6/54
82	REPLACE	EQUILIBRATOR CYLINDER	1	2	3	4	5	6	7	6/55
83	INSPECT	EQUILIBRATOR HAND PUMP FOR SERVICEABILITY	1	2	3	4	5	6	7	6/56
84	REPAIR	EQUILIBRATOR HAND PUMP	1	2	3	4	5	6	7	6/57
85	REPLACE	EQUILIBRATOR HAND PUMP	1	2	3	4	5	6	7	6/58

		TIME SPENT								
		1	2	3	4	5	6	7		
		111	112	113	114	115	116	117		
		VERY	BELOW	SLIGHTLY	AVERAGE	SLIGHTLY	ABOVE	VERY		
		LITTLE	AVERAGE	BELOW	AVG	ABOVE	MUCH			
PERFORM HEAVY SP GUN/HOWITZER MAINTENANCE DUTIES										
1	SUPERVISE PERSONNEL IN HEAVY SP GUN/HOWITZER MAINTENANCE	1	1	2	3	4	5	6	7	6/59
2	INSTRUCT/TRAIN PERSONNEL IN HEAVY SP GUN/HOWITZER MAINTENANCE	1	2	3	4	5	6	7		6/60
3	INSPECT GUN TUBES FOR SERVICEABILITY	1	2	3	4	5	6	7		6/61
4	SERVICE GUN TUBES	1	2	3	4	5	6	7		6/62
5	REPLACE GUN TUBES	1	2	3	4	5	6	7		6/63
6	INSPECT CANNON ASSEMBLY FOR SERVICEABILITY	1	2	3	4	5	6	7		6/64
7	REPLACE CANNON ASSEMBLIES	1	2	3	4	5	6	7		6/65
8	INSPECT BREECHBLOCK FOR SERVICEABILITY	1	2	3	4	5	6	7		6/66
9	SERVICE BREECHBLOCK	1	2	3	4	5	6	7		6/67
10	REPAIR BREECHBLOCK	1	2	3	4	5	6	7		6/68
11	REPLACE BREECHBLOCK	1	2	3	4	5	6	7		6/69

12	INSPECT	HOUSING AND BLOCK ASSEMBLY FOR SERVICEABILITY	1	1	2	3	4	5	6	7	6/70
13	SERVICE	HOUSING AND BLOCK ASSEMBLY	1	1	2	3	4	5	6	7	6/71
14	REPAIR	HOUSING AND BLOCK ASSEMBLY	1	1	2	3	4	5	6	7	6/72
15	REPLACE	HOUSING AND BLOCK ASSEMBLY	1	1	2	3	4	5	6	7	6/73
16	INSPECT	OBTURATOR SPINDLE GROUP FOR SERVICEABILITY	1	1	2	3	4	5	6	7	6/74
17	SERVICE	OBTURATOR SPINDLE GROUP	1	1	2	3	4	5	6	7	6/75
18	REPAIR	OBTURATOR SPINDLE GROUP	1	1	2	3	4	5	6	7	6/76
19	REPLACE	OBTURATOR SPINDLE GROUP	1	1	2	3	4	5	6	7	6/77
20	INSPECT	CARRIER COUNTER-BALANCE ASSEMBLY FOR SERVICEABILITY	1	1	2	3	4	5	6	7	6/78
21	SERVICE	CARRIER COUNTER-BALANCE ASSEMBLY	1	1	2	3	4	5	6	7	6/79
22	ADJUST	CARRIER COUNTER-BALANCE ASSEMBLY	1	1	2	3	4	5	6	7	7/1
23	REPAIR	CARRIER COUNTER-BALANCE ASSEMBLY	1	1	2	3	4	5	6	7	7/2
24	REPLACE	CARRIER COUNTER-BALANCE ASSEMBLY	1	1	2	3	4	5	6	7	7/3
25	INSPECT	FIRING MECHANISM M35 FOR SERVICEABILITY	1	1	2	3	4	5	6	7	7/4
26	SERVICE	FIRING MECHANISM M35	1	1	2	3	4	5	6	7	7/5
27	REPAIR	FIRING MECHANISM M35	1	1	2	3	4	5	6	7	7/6
28	REPLACE	FIRING MECHANISM M35	1	1	2	3	4	5	6	7	7/7
29	INSPECT	GUN SAFETY TRAVELING LOCK FOR SERVICEABILITY	1	1	2	3	4	5	6	7	7/8

		TIME SPENT						
		I	II	III	IV	V	VI	VII
		1	2	3	4	5	6	7
		IC	FI	2	BELOW	AVERAGE		
		IH	3	SLIGHTLY	BELOW	AVG		
		IE	4	AVERAGE				
		IC	5	SLIGHTLY	ABOVE	AVG		
		IK	6	ABOVE	AVERAGE			
		EL	7	VERY	MUCH			
30	ADJUST GUN BARREL TRAVELING LOCK	1	1	1	1	1	1	1
31	REPAIR GUN BARREL TRAVELING LOCK	1	1	1	1	1	1	1
32	REPLACE GUN BARREL TRAVELING LOCK	1	1	1	1	1	1	1
33	INSPECT EQUILIBRATOR AND ADJUSTING COMPONENTS FOR SERVICEABILITY	1	1	1	1	1	1	1
34	TEST EQUILIBRATOR AND ADJUSTING COMPONENTS	1	1	1	1	1	1	1
35	SERVICE EQUILIBRATOR AND ADJUSTING COMPONENTS	1	1	1	1	1	1	1
36	ADJUST EQUILIBRATOR AND ADJUSTING COMPONENTS	1	1	1	1	1	1	1
37	REPLACE EQUILIBRATOR AND ADJUSTING COMPONENTS	1	1	1	1	1	1	1
38	REBUILD EQUILIBRATOR AND ADJUSTING COMPONENTS	1	1	1	1	1	1	1
39	INSPECT MOUNT ASSEMBLY M158 FOR SERVICEABILITY	1	1	1	1	1	1	1
40	TEST MOUNT ASSEMBLY M158	1	1	1	1	1	1	1
41	SERVICE MOUNT ASSEMBLY M158	1	1	1	1	1	1	1
42	ADJUST MOUNT ASSEMBLY M158	1	1	1	1	1	1	1
43	REPAIR MOUNT ASSEMBLY M158	1	1	1	1	1	1	1

44	REPLACE MOUNT ASSEMBLY M158	1	1	2	3	4	5	6	7	7/23
45	OVERHAUL MOUNT ASSEMBLY M158	1	1	2	3	4	5	6	7	7/24
46	REBUILD MOUNT ASSEMBLY M158	1	1	2	3	4	5	6	7	7/25
47	INSPECT RECUPERATOR AND COUNTER-RECOIL CYLINDER ASSEMBLY FOR SERVICEABILITY	1	1	2	3	4	5	6	7	7/26
48	REPAIR RECUPERATOR AND COUNTER-RECOIL CYLINDER ASSEMBLY	1	1	2	3	4	5	6	7	7/27
49	REPLACE RECUPERATOR AND COUNTER-RECOIL CYLINDER ASSEMBLY	1	1	2	3	4	5	6	7	7/28
50	OVERHAUL RECUPERATOR AND COUNTER-RECOIL CYLINDER ASSEMBLY	1	1	2	3	4	5	6	7	7/29
51	REBUILD RECUPERATOR AND COUNTER-RECOIL CYLINDER ASSEMBLY	1	1	2	3	4	5	6	7	7/30
52	INSPECT COUNTER-RECOIL STUFFING BOX ASSEMBLY FOR SERVICEABILITY	1	1	2	3	4	5	6	7	7/31
53	SERVICE COUNTER-RECOIL STUFFING BOX ASSEMBLY	1	1	2	3	4	5	6	7	7/32
54	REPAIR COUNTER-RECOIL STUFFING BOX ASSEMBLY	1	1	2	3	4	5	6	7	7/33
55	OVERHAUL COUNTER-RECOIL STUFFING BOX ASSEMBLY	1	1	2	3	4	5	6	7	7/34
56	REBUILD COUNTER-RECOIL STUFFING BOX ASSEMBLY	1	1	2	3	4	5	6	7	7/35
57	REPLACE COUNTER-RECOIL STUFFING BOX ASSEMBLY	1	1	2	3	4	5	6	7	7/36
58	INSPECT HYDRAULIC RECOIL CYLINDER ASSEMBLY FOR SERVICEABILITY	1	1	2	3	4	5	6	7	7/37
59	SERVICE HYDRAULIC RECOIL CYLINDER ASSEMBLY	1	1	2	3	4	5	6	7	7/38
60	REPAIR HYDRAULIC RECOIL CYLINDER ASSEMBLY	1	1	2	3	4	5	6	7	7/39
61	REPLACE HYDRAULIC RECOIL CYLINDER ASSEMBLY	1	1	2	3	4	5	6	7	7/40





76	REPAIR	HYDRAULIC SYSTEM	1	1	2	3	4	5	6	7	7/55
77	REPLACE	HYDRAULIC SYSTEM	1	1	2	3	4	5	6	7	7/56
78	INSPECT	RETRACTING VALVE ASSEMBLY FOR SERVICEABILITY	1	1	2	3	4	5	6	7	7/57
79	REPAIR	RETRACTING VALVE ASSEMBLY	1	1	2	3	4	5	6	7	7/58
80	REPLACE	RETRACTING VALVE ASSEMBLY	1	1	2	3	4	5	6	7	7/59
81	INSPECT	VARIABLE RECOIL ASSEMBLY FOR SERVICEABILITY	1	1	2	3	4	5	6	7	7/60
82	SERVICE	VARIABLE RECOIL ASSEMBLY	1	1	2	3	4	5	6	7	7/61
83	REPAIR	VARIABLE RECOIL ASSEMBLY	1	1	2	3	4	5	6	7	7/62
84	REPLACE	VARIABLE RECOIL ASSEMBLY	1	1	2	3	4	5	6	7	7/63
85	OVERHAUL	VARIABLE RECOIL ASSEMBLY	1	1	2	3	4	5	6	7	7/64
86	REBUILD	VARIABLE RECOIL ASSEMBLY	1	1	2	3	4	5	6	7	7/65
87	INSPECT	COUNTER-RECOIL FRONT HEAD ASSEMBLY FOR SERVICEABILITY	1	1	2	3	4	5	6	7	7/66
88	SERVICE	COUNTER-RECOIL FRONT HEAD ASSEMBLY	1	1	2	3	4	5	6	7	7/67
89	REPAIR	COUNTER-RECOIL FRONT HEAD ASSEMBLY	1	1	2	3	4	5	6	7	7/68
90	REPLACE	COUNTER-RECOIL FRONT HEAD ASSEMBLY	1	1	2	3	4	5	6	7	7/69
91	OVERHAUL	COUNTER-RECOIL FRONT HEAD ASSEMBLY	1	1	2	3	4	5	6	7	7/70
92	REBUILD	COUNTER-RECOIL FRONT HEAD ASSEMBLY	1	1	2	3	4	5	6	7	7/71
93	INSPECT	REPLENISHER ASSEMBLY FOR SERVICEABILITY	1	1	2	3	4	5	6	7	7/72





		TIME SPENT							
		I11	2	3	4	5	6	7	
		VERY LITTLE							
		F12							
		BELOW AVERAGE							
		H13							
		SLIGHTLY BELOW AVG							
		O14							
		AVERAGE							
		O15							
		SLIGHTLY ABOVE AVG							
		N16							
		ABOVE AVERAGE							
		E17							
		VERY MUCH							
126	INSPECT	PROJECTILE LIFTING TRAY FOR SERVICEABILITY							8/26
127	SERVICE	PROJECTILE LIFTING TRAY							
128	ADJUST	PROJECTILE LIFTING TRAY							8/27
129	ALIGN	PROJECTILE LIFTING TRAY							
130	REPAIR	PROJECTILE LIFTING TRAY							8/28
131	REPLACE	PROJECTILE LIFTING TRAY							
132	INSPECT	ELECTRICAL SYSTEM FOR SERVICEABILITY							8/31
133	TROUBLESHOOT	ELECTRICAL SYSTEM							
134	REPAIR	ELECTRICAL SYSTEM							8/32
135	INSPECT	RECOIL SPADE ASSEMBLY FOR SERVICEABILITY							
136	REPAIR	RECOIL SPADE ASSEMBLY							8/34
137	REPLACE	RECOIL SPADE ASSEMBLY							
									8/35
									8/36
									8/37

TIME SPENT

II1	VERY LITTLE
IC F12	BELOW AVERAGE
IH 13	SLIGHTLY BELOW AVGI
IE D14	AVERAGE
IC O15	SLIGHTLY ABOVE AVGI
IK N16	ABOVE AVERAGE
EL7	VERY MUCH

PERFORM M109 CAB MAINTENANCE DUTIES

1	SUPERVISE PERSONNEL IN M109 CAB MAINTENANCE	1	1	2	3	4	5	6	7	8/38
2	INSTRUCT/TRAIN PERSONNEL IN M109 CAB MAINTENANCE	1	1	2	3	4	5	6	7	8/39
3	REPLACE PACE RING ASSEMBLY	1	1	2	3	4	5	6	7	8/40
4	REPAIR TRAVERSE LOCK	1	1	2	3	4	5	6	7	8/41
5	REPLACE TRAVERSE LOCK	1	1	2	3	4	5	6	7	8/42
6	REPAIR DOORS	1	1	2	3	4	5	6	7	8/43
7	REPLACE DOOR SEALS	1	1	2	3	4	5	6	7	8/44
8	REPAIR CUPOLA	1	1	2	3	4	5	6	7	8/45
9	SERVICE ELEVATING MECHANISM ASSEMBLY	1	1	2	3	4	5	6	7	8/46
10	REPAIR ELEVATING MECHANISM ASSEMBLY	1	1	2	3	4	5	6	7	8/47
11	SERVICE EQUILIBRATOR	1	1	2	3	4	5	6	7	8/48



TIME SPENT

I	11	2	3	4	5	6	7
II	1	2	3	4	5	6	7
III	1	2	3	4	5	6	7
IV	1	2	3	4	5	6	7
V	1	2	3	4	5	6	7
VI	1	2	3	4	5	6	7
VII	1	2	3	4	5	6	7

30	REPLACE	MANUAL ELEVATION HAND PUMP	I	I	I	I	I	8/67
31	REPAIR	POWER ELEVATING AND TRAVERSING MECHANISM VALVES	I	I	I	I	I	8/68
32	REPLACE	POWER ELEVATING AND TRAVERSING MECHANISM VALVES	I	I	I	I	I	8/69
33	REPLACE	PRESSURE GAGE	I	I	I	I	I	8/70
34	REPAIR	POWER ACCUMULATOR	I	I	I	I	I	8/71
35	REPLACE	POWER ACCUMULATOR	I	I	I	I	I	8/72
36	REPAIR	GUNNERS CONTROL	I	I	I	I	I	8/73
37	REPLACE	GUNNERS CONTROL	I	I	I	I	I	8/74



TIME SPENT

111	VERY LITTLE
112	BELOW AVERAGE
113	SLIGHTLY BELOW AVG
114	AVERAGE
115	SLIGHTLY ABOVE AVG
116	ABOVE AVERAGE
117	VERY MUCH

PERFORM M107/110 TURRET MAINTENANCE DUTIES		1	2	3	4	5	6	7		
1	SUPERVISE PERSONNEL IN M107/110 TURRET MAINTENANCE	1	1	2	3	4	5	6	7	8/15
2	INSTRUCT/TRAIN PERSONNEL IN M107/110 TURRET MAINTENANCE	1	1	2	3	4	5	6	7	8/16
3	TEST TURRET BEARING COMPONENTS (ROLLER BEARING) FOR PROPER OPERATION	1	1	2	3	4	5	6	7	8/17
4	SERVICE TURRET BEARING COMPONENTS (ROLLER BEARING)	1	1	2	3	4	5	6	7	8/18
5	ADJUST TURRET BEARING COMPONENTS (ROLLER BEARING)	1	1	2	3	4	5	6	7	8/19
6	INSTALL TURRET BEARING COMPONENTS (ROLLER BEARING)	1	1	2	3	4	5	6	7	9/1
7	REPAIR TURRET BEARING COMPONENTS (ROLLER BEARING)	1	1	2	3	4	5	6	7	9/2
8	REPLACE TURRET BEARING COMPONENTS (ROLLER BEARING)	1	1	2	3	4	5	6	7	9/3
9	OVERHAUL TURRET BEARING COMPONENTS (ROLLER BEARING)	1	1	2	3	4	5	6	7	9/4
10	TEST TURRET BEARING (BALL BEARING) FOR PROPER OPERATION	1	1	2	3	4	5	6	7	9/5
11	SERVICE TURRET BEARING (BALL BEARING)	1	1	2	3	4	5	6	7	9/6

12	ADJUST	TURKET BEARING (BALL BEARING)	1	1	2	3	4	5	6	7	9/17
13	INSTALL	TURRET BEARING (BALL BEARING)	1	1	2	3	4	5	6	7	9/18
14	REPLACE	TURRET BEARING (BALL BEARING)	1	1	2	3	4	5	6	7	9/19
15	REPAIR	CREW SEATS	1	1	2	3	4	5	6	7	9/19
16	REPLACE	CREW SEATS	1	1	2	3	4	5	6	7	9/19
17	INSPECT	CRASH PAD FOR SERVICEABILITY	1	1	2	3	4	5	6	7	9/11
18	REPLACE	CRASH PAD	1	1	2	3	4	5	6	7	9/12
19	INSPECT	MANUAL TRAVERSE AND ELEVATING MECHANISM FOR SERVICEABILITY	1	1	2	3	4	5	6	7	9/13
20	TEST	MANUAL TRAVERSE AND ELEVATING MECHANISM FOR PROPER OPERATION	1	1	2	3	4	5	6	7	9/14
21	SERVICE	MANUAL TRAVERSE AND ELEVATING MECHANISM	1	1	2	3	4	5	6	7	9/15
22	ADJUST	MANUAL TRAVERSE AND ELEVATING MECHANISM	1	1	2	3	4	5	6	7	9/16
23	REPAIR	MANUAL TRAVERSE AND ELEVATING MECHANISM	1	1	2	3	4	5	6	7	9/17
24	REPLACE	MANUAL TRAVERSE AND ELEVATING MECHANISM	1	1	2	3	4	5	6	7	9/18
25	REBUILD	MANUAL TRAVERSE AND ELEVATING MECHANISM	1	1	2	3	4	5	6	7	9/19
26	INSPECT	ELECTRIC MOTOR AND HYDRAULIC PUMP FOR SERVICEABILITY	1	1	2	3	4	5	6	7	9/20
27	REPAIR	ELECTRIC MOTOR AND HYDRAULIC PUMP	1	1	2	3	4	5	6	7	9/21
28	REPLACE	ELECTRIC MOTOR AND HYDRAULIC PUMP	1	1	2	3	4	5	6	7	9/22
29	OVERHAUL	ELECTRIC MOTOR AND HYDRAULIC PUMP	1	1	2	3	4	5	6	7	9/23
			1	1	2	3	4	5	6	7	9/24

TIME SPENT  
 I11 VERY LITTLE  
 I12 BELOW AVERAGE  
 I13 SLIGHTLY BELOW AVG  
 I14 AVERAGE  
 I15 SLIGHTLY ABOVE AVG  
 I16 ABOVE AVERAGE  
 I17 VERY MUCH

30	REBUILD ELECTRIC MOTOR AND HYDRAULIC PUMP	I11	2	3	4	5	6	7	9/25
31	INSPECT ELEVATING AND TRAVERSING MOTOR AND BRAKE ASSEMBLY FOR SERVICEABILITY	I11	2	3	4	5	6	7	9/26
32	REPAIR ELEVATING AND TRAVERSING MOTOR AND BRAKE ASSEMBLY	I11	2	3	4	5	6	7	9/27
33	REPLACE ELEVATING AND TRAVERSING MOTOR AND BRAKE ASSEMBLY	I11	2	3	4	5	6	7	9/28
34	OVERHAUL ELEVATING AND TRAVERSING MOTOR AND BRAKE ASSEMBLY	I11	2	3	4	5	6	7	9/29
35	REBUILD ELEVATING AND TRAVERSING MOTOR AND BRAKE ASSEMBLY	I11	2	3	4	5	6	7	9/30
36	INSPECT FILTERS AND ELEMENTS FOR SERVICEABILITY	I11	2	3	4	5	6	7	9/31
37	SERVICE FILTERS AND ELEMENTS	I11	2	3	4	5	6	7	9/32
38	REPLACE FILTERS AND ELEMENTS	I11	2	3	4	5	6	7	9/33
39	INSPECT LINES AND FITTINGS FOR SERVICEABILITY	I11	2	3	4	5	6	7	9/34
40	REPLACE LINES AND FITTINGS	I11	2	3	4	5	6	7	9/35
41	INSPECT HYDRAULIC MANIFOLDS FOR SERVICEABILITY	I11	2	3	4	5	6	7	9/36
42	REPAIR HYDRAULIC MANIFOLDS	I11	2	3	4	5	6	7	9/37
43	REPLACE HYDRAULIC MANIFOLDS	I11	2	3	4	5	6	7	9/38



**TIME SPENT**

I11 VERY LITTLE  
 I12 BELOW AVERAGE  
 I13 SLIGHTLY BELOW AVG  
 I14 AVERAGE  
 I15 SLIGHTLY ABOVE AVG  
 I16 ABOVE AVERAGE  
 I17 VERY MUCH

62	REBUILD	TURRET HANDCRANK	I11	2	3	4	5	6	7	9/57
63	INSPECT	TURRET STORAGE BOXES, RACKS AND STRAPS FOR SERVICEABILITY	I11	2	3	4	5	6	7	9/58
64	INSTALL	TURRET STORAGE BOXES, RACKS AND STRAPS	I11	2	3	4	5	6	7	9/59
65	REPAIR	TURRET STORAGE BOXES, RACKS AND STRAPS	I11	2	3	4	5	6	7	9/60
66	REPLACE	TURRET STORAGE BOXES, RACKS AND STRAPS	I11	2	3	4	5	6	7	9/61
67	INSPECT	RAMMER TRAVERSING CYLINDER FOR SERVICEABILITY	I11	2	3	4	5	6	7	9/62
68	REPAIR	RAMMER TRAVERSING CYLINDER	I11	2	3	4	5	6	7	9/63
69	REPLACE	RAMMER TRAVERSING CYLINDER	I11	2	3	4	5	6	7	9/64
70	OVERHAUL	RAMMER TRAVERSING CYLINDER	I11	2	3	4	5	6	7	9/65
71	INSPECT	RAMMER TRAVERSING CYLINDER, CONTROLS, LINES AND FILLINGS FOR SERVICEABILITY	I11	2	3	4	5	6	7	9/66
72	TEST	RAMMER TRAVERSING CYLINDER, CONTROLS, LINES AND FILLINGS FOR PROPER OPERATION	I11	2	3	4	5	6	7	9/67
73	REPAIR	RAMMER TRAVERSING CYLINDER, CONTROLS, LINES AND FILLINGS	I11	2	3	4	5	6	7	9/68
74	REPLACE	RAMMER TRAVERSING CYLINDER, CONTROLS, LINES AND FILLINGS	I11	2	3	4	5	6	7	9/69
75	INSPECT	POWER TAKE-OFF FOR SERVICEABILITY	I11	2	3	4	5	6	7	9/70





12	REPAIR	SHOCK ASSEMBLY	1	2	3	4	5	6	7	11/0/5
13	REPLACE	SHOCK ASSEMBLY	1	2	3	4	5	6	7	11/0/6
14	REBUILD	SHOCK ASSEMBLY	1	2	3	4	5	6	7	11/0/7
15	INSPECT	BASE PLATE FOR SERVICEABILITY	1	2	3	4	5	6	7	11/0/8
16	REPAIR	BASE PLATE ASSEMBLY	1	2	3	4	5	6	7	11/0/9
17	INSPECT	MORTAR TUBE FOR SERVICEABILITY	1	2	3	4	5	6	7	11/0/10
18	INSPECT	FIRING PIN FOR SERVICEABILITY	1	2	3	4	5	6	7	11/0/11
19	REPLACE	FIRING PIN	1	2	3	4	5	6	7	11/0/12
20	INSPECT	BRIDGE ASSEMBLY FOR SERVICEABILITY	1	2	3	4	5	6	7	11/0/13
21	REPAIR	BRIDGE ASSEMBLY	1	2	3	4	5	6	7	11/0/14
22	REPLACE	BRIDGE ASSEMBLY	1	2	3	4	5	6	7	11/0/15
23	INSPECT	SHOP MOUNT ASSEMBLY FOR SERVICEABILITY	1	2	3	4	5	6	7	11/0/16
24	REPAIR	SHOP MOUNT ASSEMBLY	1	2	3	4	5	6	7	11/0/17
25	REPLACE	SHOP MOUNT ASSEMBLY	1	2	3	4	5	6	7	11/0/18



INSTRUCTIONS - TIME RATING

1. NOW THAT YOU HAVE CHECKED THOSE TASKS YOU PERFORM, RATE THE RELATIVE AMOUNT OF TIME YOU SPEND PERFORMING EACH TASK YOU HAVE CHECKED. RELATIVE TIME SPENT MEANS THE TOTAL TIME YOU SPEND DOING THE TASK COMPARED WITH THE TIME YOU SPEND ON EACH OF THE OTHER TASKS YOU PERFORM ON YOUR PRESENT JOB.
2. USE A RATING OF "1" IF YOU SPEND "VERY LITTLE" TIME ON A TASK; USE A RATING OF "2" FOR "BELOW AVERAGE"; AND SO ON, UP TO A RATING OF "7" IF YOU SPEND "VERY MUCH" TIME ON A TASK.
3. REMEMBER, YOU ARE TO TIME RATE ONLY TASKS THAT YOU HAVE ALREADY CHECKED IN THE "CHECK IF DONE" COLUMN. CIRCLE YOUR RATING, ACCORDING TO THE 7-POINT SCALE. IN THE RIGHT HAND COLUMN HEADED "TIME SPENT PERFORMING". NOW TURN TO PAGE 18 AND BEGIN.

JOB EVALUATION

1. What part of your job do you feel should have been included in your schooling, but was not?
2. What part of your school training are you not using in your present job?
3. What changes would you suggest be made to improve your billet MOS?
4. What changes would you suggest to improve this questionnaire?





MOS \_\_\_\_\_

INFORMATION PAGE FOR QUESTIONS ANSWERED "OTHER"

- 10. \_\_\_\_\_  
\_\_\_\_\_
- 16. \_\_\_\_\_  
\_\_\_\_\_
- 21. \_\_\_\_\_  
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