

AIR FORCE



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HISTORICAL TASK ANALYSIS OF C-120E MAINTENANCE JOBS

By

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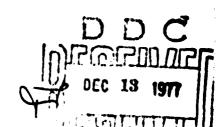
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LABORATORY

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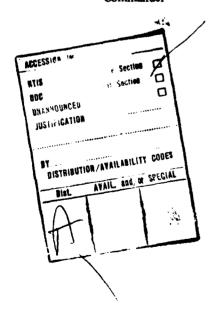
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GORDON A. ECKSTRAND, Director Advanced Systems Division

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INTRODUCTION

It is usually agreed that a considerable amount of the human resources used on a weapon system is in the maintenance fields. The results of a Life Cycle Cost (LCC) analysis ("Life Cycle Cost of C-130E Weapon System") substantiated this finding showing 83% of LCC was for operation and support. Approximately 50% of this was attributed to military and civilian pay. Since this is the case, it is appropriate to attempt to determine the amount of time the maintenance technician is spending on the C-130E.

In order to accomplish the objective, a task analysis was performed for a selected set of AFSCs at a sample base. In addition to gathering quantifiable data of the personnel's perception of the job being performed, this information could be used to validate the initial projected personnel requirements made during the development of the weapon system by the System Program Office (SPO). Unfortunately the historical search did not uncover any SPO personnel requirements document so the comparison could not be made. The following data do provide some clues as to possible areas of high utilization. The task analysis data when contrasted with reliability and maintainability data establish points of high resource utilization.

SCOPE

The acquisition of duty/task data was confined to the 11 selected maintenance Air Force specialists annotated below. Appendix A lists the duties and responsibilities for each of the AFSs. A total of 274 maintenance personnel were inventoried at Little Rock Air Force Base, Arkansas, utilizing Occupational Survey Inventories (OSIs) developed by the Occupational Survey Branch, USAF Occupational Measurement Center, Lackland Air Force Base, Texas. The OSI used for the Aircraft Maintenance Specialist **is enclosed as a sample, Appendix B.** Skill-level-5 personnel were inventoried subsequent to completion of a pilot study at McChord Air Force Base, Washington, wherein skill levels 3, 5, 7, and 9 were task inventoried. The inventories encompassed a total of 6294 C-130 maintenance tasks accomplished within the three maintenance squadrons, namely: 1) Organizational; 2) Field; and 3) Avionics Maintenance Squadrons. Functional times, i.e., estimated times spent on performing duties at functional categories such as "Performing General Aircraft Maintenance" were acquired.

AFSC/NOMENCLATURE	SAMPLE N
32550 - Automatic Flight Control Systems	16
32551 - Avionics Instrument Systems	20
32850 - Avionics Communications Systems	29
42350 - Aircraft Electrical Systems	27
42351 - Aircraft Environmental Systems	11
42353 - Aircraft Fuel Systems	15
42354 - Aircraft Pneudraulic Systems	11
42650 - Aircraft Propeller System	24
42652 - Jet Engine	50
43151F- Aircraft Maintenance	50
53154 - Corrosion Control	21

METHODOLOGY

The methods used during the preparation, acquisition and analyses of Air Force Specialty (AFS) personnel duties and tasks are illustrated in Figure 1. During the planning and conduct of the C-130E Historical Weapon System Analyses program, attempts were made to generate detailed AFS maintenance duties and tasks. Air Force Manual 39-1 (Enlisted Personnel Airman Classification Manual)2 was used as a means of defining the general scope of assigned task responsibilities. It soon became evident that this would not permit the definition of explicit task responsibilities without the use of C-130E technical orders. Tasks described within technical orders (TO) were: 1) too voluminous in nature; would have required extensive time for individual AFSs to use; and 3) were insensitive to which AFSCs were responsible for performing discrete tasks within the TO. A final solution was provided by the Occupational Survey Branch, USAF Occupational Measurement Center, Lackland Air Force Base, Texas. Technical interchanges and interfaces with cognizant members of the Occupational Survey Branch resulted in the release of Occupational Survey Inventories (OSI) and Occupational Survey Reports (OSR) for each of the 11 selected maintenance AFSs evaluated under Phase I of Project 1959. These OSIs provided the most comprehensive AFS duty and task acquisition tool heretofore used by the C-130E study investigators. The OSIs contained discrete sections enablying the acquisition of: 1) background information; 2) maintenance equipment used on the job; 3) training courses completed; and 4) detailed duties/tasks. The latter portion of these OSIs are divided into functional work

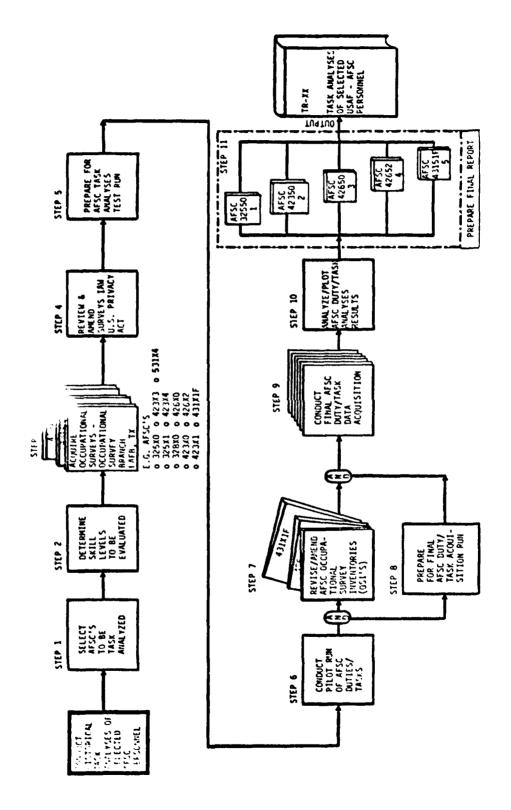


Figure 1 Historical AFSC Duty/Task Analyses Methodology

categories such as: 1) Organizing and Planning; 2) Directing and Implementing; 3) Inspecting and Evaluating; 4) Training; 5) Working with Forms, Records, Reports, etc.; 6) Performing Specific Maintenance Functions, etc. Each of these functions, in turn contained an average of 38 detailed tasks. Each OSI averaged about 570 tasks spread among an average of 15 major functional areas.

The preparation, implementation and analytical steps illustarated in Figure 1 are self-explanatory. Step 6 "Conduct Pilot Run of AFSC Duties/Tasks" was an important step in the methodology portrayed. This enabled the investigators to prepare for the final acquisition of comprehensive duty/task data. Results acquired during the pilot run (McChord Air Force Base, Washington), utilizing actual maintenance AFSCs (preferably skill levels 7 and 9), enabled the investigator to amend the OSIs to include maintenance tasks not identified in current OSIs. In this manner, the OSIs were amended to enable acquisition of specific weapon system maintenance tasks.

AFSs taking the OSIs at operational bases required an average of 55 minutes to complete the inventory with a range of 40 to 68 minutes. Prior to initiating the pilot run and the final inventories, contact and approval via formal letter of request were made to the cognizant command office (e.g., Deputy Command of Maintenance - 314th Tactical Airlift Wing) stipulating: 1) the purpose of the inventories; 2) contract justification; 3) time and area for conducting the inventories; 4) testing time required for each AFS; 5) total numbers of AFSs to be inventoried; and 6) facilities required to conduct the task inventories.

TASK ANALYSES SUMMARY

A total of 274 maintenance personnel encompassing 11 Air Force Specialties (AFSs) and consisting of 6294 tasks were inventoried at Little Rock Air Force Base, Arkansas (314th Tactical Airlift Wing). Prior to the acquisition of duty/task data at LRAFB, Arkansas, Boeing conducted a pilot task analysis program at McChord Air Force Base, Washington. The instruments used in acquiring duty/task data during Task V (Phase I, Project 1959) were Occupational Survey Inventories (OSI) developed by the Occupational Survey Branch, USAF Occupational Measurement Center, Lackland Air Force Base, Texas. Attempts to develop detailed duties of explicit AFS maintenance personnel fell well short of techniques and planning already devised by this organization.

The OSIs used during the pilot run at McChord Air Force Base, Washington, were then revised to reflect explicit C-130 tasks not present within the OSIs. The pilot run also served as the basis for deriving test protocols/techniques, and selecting the 5-level skills, inventoried at LRAFB, Arkansas. Table 1 provides a general summary of AFSs and numbers inventoried, as well as the numbers of functions, and tasks within each OSI. It also reflects computed correlations between AFM 39-1, Enlisted Personnel Airman Classification Manual, duties and those recorded by maintenance personnel on their designated Occupational Survey Inventories.

Each of the 11 OSIs contained an average of 15.36 functions (duties) with each function containing an average of 37.24 tasks. A total of 6294 tasks were contained within all 11 of the OSIs (average of 572.18 tasks/OSI). Acquisition of duty/task data encompassing 274 airman within the 11 AFSs summarized in Table 1 required 20 hours of testing with an average of 13.7 enlisted personnel being inventoried during each test hour. All inventories were completed under supervision and control of personnel subsystems specialists. Arrangements (made under the auspices and conditions set forth by the 314th Tactical Airlift Wing Deputy Commander for Maintenance) enabled data acquisition during low maintenance periods. Inventory completion required an average of 55 minutes per AFS. Results/entries incorporated into OSIs were reviewed by the test supervisor and the resident 314th TAW Maintenance Analysis Training (MAT) superintendent prior to acceptance of each completed OSI. In general, the Pearson Product Moment Analytical technique was utilized. Specifically, a bivariant distribution was plotted using planned tasks delineated in AFM 39-1, Enlisted Personnel Airman Classification Manual, and actual tasks performed in the operational environment. These ratios resulted in correlation coefficients range of .524 to .613.

RESULTS

Analyses of acquired data demonstrated that the skill level 5 personnel inventoried within the 11 selected AFSs spend over 66% of their assigned times to direct maintenance on the C-130 weapon system. The remaining times are allocated to: 1) indirect maintenance support (19%); and 2) planning, organizing, and training (13%). Figure 2, "AFSC Functional Times Allocation Summary," illustrates the time distributions acquired at Little Rock Air Force Base, Arkansas. Over 73% (4643 tasks) of the 6294 tasks inventoried, are accomplished by the 274 maintenance personnel evaluated at LRAFB, Arkansas.

Table 1 Occupational Survey Inventory (OSI) Summary

SOURCE: Occupational Survey Branch - USAF Occupational Measurement

Center, Lackland Air Force Base, Texas 78236

EVALUATION SITE: Little Rock Air Force Base, Arkansas

DATE: January 31, 1977 through February 4, 1977

NUMBER OF TESTING HOURS: 20 hours

NUMBER OF ENLISTED PERSONNEL INVENTORIES: 274 (\overline{X} of 13.7 Personnel per hour)

Mati	AFSC/NOMENCLATURE	CORRELATION VALUES	NO. OF FUNCTIONS	NO. OF TOTAL TASKS	SAMPLE N	TOTAL POSSIBLE TASKS
1	325XO - Automatic Flight Control Systems	.571	18	487	16	7 792
2	32551 - Avionics Instrument Systems	.585	14	928	20	18,560
3	32853 - Avionics Communica- tions Systems	.561	17	521	29	15,109
١	42350 - Aircraft Electrical Systems	.591	11	424	27	11,448
5	42351 - Aircraft Environ- mental Systems	.,554	18	736	11	8,096
6	42353 - Aircraft Fuel Systems	.529	11	297	15	4,455
,	42354 - Aircraft Pneu- draulic Systems	.597	13	575	11	6,325
8	42650 - Aircraft Propeller Systems	.534	11	477	24	11,448
9	42652 - Jet Engine	,579	17	415	50	20,750
10	43151F - Aircraft Mainte- nance ·	.613	23	977	50	48,850
11	53154 - Corrosion Control	.608	16 ;	457	21	9,597
			£= 169 Functions	E=6294	274	Σ=162,430 Tasks
X number of tasks per function = 37.243 i.e. : $\frac{6294}{169} = \frac{37.243}{169}$						

Total numbers of possible tasks inventoried = 162,450Average number of personnel/OSI = $\frac{274}{11}$ = 24.9



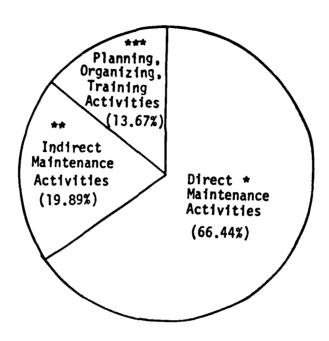


Figure 2 - AFS Functional Time Allocations Summary

- * DIRECT MAINTENANCE Those tasks performed by personnel within the ll selected AFSs during organizationa? and intermediate maintenance that involve direct test, service, checkout, remove, install, troubleshoot, and calibration of C-130 flight equipment.
- ** INDIRECT MAINTENANCE Those tasks performed by the personnel within the 11 selected AFSs during organizational and intermediate maintenance that involves maintaining shop equipment, maintaining forms and records, performing supply functions, preparing maintenance reports, etc.
- *** PLANNING, ORGANIZING, TRAINING Those tasks performed by the personnel within the 11 AFSs that involves training, directing, evaluating, planning, etc.

Analytical results that follow are highlighted summaries, frequency polygons, and histograms unique to each of the 11 AFSs inventoried.

AFSC 32550 - (Automatic Flight Control Systems)3

A total of 16 32550 AFSCs were inventoried. The OSI consisted of 18 major functions encompassing 487 detailed tasks. Table 2 provides a synonsis of analytical results derived subsequent to completion of these inventories. The relative proportions of tasks accomplished by one or more 5-skill level personnel are identified in column 4. This was derived by dividing the number of tasks performed within each function by the total number of tasks contained in all functions. Data contained in column 6 were derived by dividing the number of tasks performed within each function (column 5) by the total number of tasks contained within the same function (column 3). Relative proportions reflected in column 4, were accumulated (summed) and formatted into a cumulative frequency polygon as depicted in Figure 3. The relative percentages of tasks accomplished within each function (e.g., Function A- Planning and Organizing - consisting of 34 tasks) were converted into histogram frequencies and are exhibited on the right-hand side of each figure (e.g., Figure 3 right-half of page). As noted in Figure 3, over 65% (65.9135% or 321 out of 487 tasks) of the tasks contained within Function A are accomplished by 5-level personnel within this specialty. Correlation values of .571 were found to exist between duties actually performed by this AFSC when compared with AFM 39-1 job descriptions, and Lockheed developed support requirements analysis data.

AFSC 32551 - (Avionics Instrument Systems)4

Twenty (20) 32551 personnel were inventoried. The OSI encompassed 14 major functions consisting of 928 detailed tasks. Results are summarized on Table 3. Analytical results were evolved using the techniques summarized under AFSC 325XO. Over 77% (i.e., 77.1549%) or 716 out of 928 possible tasks are accomplished by one or more 5-level specialists. Cumulative frequencies are illustrated on the left-half of Figure 4. Relative proportions of tasks accomplished by this AFSC within each of the 14 major functions are summarized on the right-half of Figure 4. A correlation value of .585 was computed between tasks actually performed by 5-level specialists and those duties outlined in AFM 39-1, and Lockheed developed systems requirements analysis data.

TABLE SUPPARY
OF
OSI FUNCTIONAL TITLES/NOVENCLATURES

AFSC OSI: 32550 Automatic Flight Control Systems Specialist Career Ladder (AFPT 90-325-248)

1	2	3	4	5	6
FUNCTIO	N TITLES/HOMENCLATURES	NUMBER OF TASKS	REL. FREQ.(%)	TASKS RECGREED	FUNCTIO PENCENT
A	Planning and Organizing	34	1.0267	5	14.71
8	Directing and Implementing	36	5.1335	25	69,45
C	Evaluating and Impacting	37	4.5174	55	59,46
D	Training	28	2.2587	11	39,29
E	Maintaining Forms and Records	47	6.7762	33	70.21
F	Performing Shop or Facility Supply Functions	18	3.0800	15	83,33
6	Performing General Maintenance Tasks	100	17.4538	85	85,00
н	Calibrating and Adjusting Test Eqmt.	23	4.3121	21	91,30
1	Maintaining Remote and Magnetic Compass Systems	14	2,8747	14	100.00
J	Maintaining Automatic Astrocompass Sys.	. 12		0	00.00
K	Maintaining Stability Augmentation Sys.	. 21	2.8747	14	66.66
L	Maintaining Auto, Fit. Control Sys.	42	6.3655	31	73,81
H	Maintaining Stall Warning or Stallimete Systems	er 13	0.8213	4	30,77
N	Maintaining Go-around Sys. such as GAAS or RGA Systems	13	2.6694	13	100,00
0	Maintaining Active Lift Dist. Control Systems (ALDCS)	13	• •	0	00.00
.P	Maintaining Automatic Throttle Sys.	13	2.6694	13	100,00
Q	Maintaining Pilot Assist Cable Servo System (PACS)	12	0.8214	4	33,33
R	Maintaining Shop Equipment & Fac.	11	2.2587	11	100,00
	TOTALS	487	65,9135	321	

Column 4 Relative Freq. = No. Tasks Performed e.g. 487 Tasks = 1.0267%

Column 5 Tasks Recorded = The number of tasks recorded on scatter diagram (step interval = 1)

Column 6 Function Percent = No. of Tasks Performed e.g. 5 Tasks = 14.71%



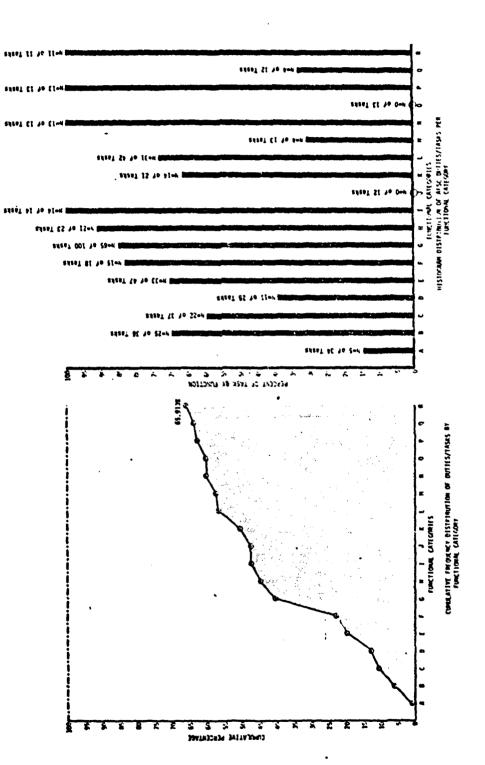


Figure 3 AFSC 32550 Automatic Flight Control Systems Specialist

TABLE 3 SUMMARY OF
OSI FUNCTIONAL TITLES/NONEHCLATURES

AFSC OS	32551 Avionics Instrument Systems (AFPT 90-325-128)	Specialis	t Career	Ladder	
1 FUNCTION	2	3 Number Of Tasks	4 REL. FREQ.(≈)	S TASKS RECORDED	6 FUNCTION PERCENT
A	Organizing and Planning	29	0.7543	7	24.14
8	Directing and Implementing	30	1.7241	16	53.33
C	Evaluating	19	0.8621	8	42.11
D	Training	28	1.1853	11	39.29
Ε	Performing Administrative Duties	38	2,6939	25	65.79
F	Performing General Flight Line Maintenance	36	3,3405	31	86.11
G .	Inspecting and Operationally Checking Instrument Systems	118	11.7457	109	92.37
H	Troubleshooting Instrument Systems on Aircraft	116	10.8836	101	87.07
1	Removing From and Installing Instru- ment System Components on Aircraft	114	10.4526	97	85.09
J	Performing General Shop Maintenance	26	2.5862	24	92.31
K	Bench Checking Instrument Systems Components	117	10.3448	96	82.05
L	Calibrating and Adjusting Instrument System Components	102	7.9741	74	72,55
Ħ	Removing and Replacing Parts of Instrument System Components	117	9.1595	85	72.65
, N	Troubleshooting, Adjusting, and Removing or Replacing Parts of Category II Test Equipment and Tools	38	3,4482	32	84.21
	TOTALS	928	77.1549	716	

Column 4 Relative Freq. (Proportions) = No. of Tasks Performed e.g. 7 = 0.75432

Column 5 Tasks Recorded - The number of tasks recorded on scatter diagram (step interval = 1)

Column 6 Function Percent (Proportion) No. of Tasks Performed e.g. 7 = 24.14%

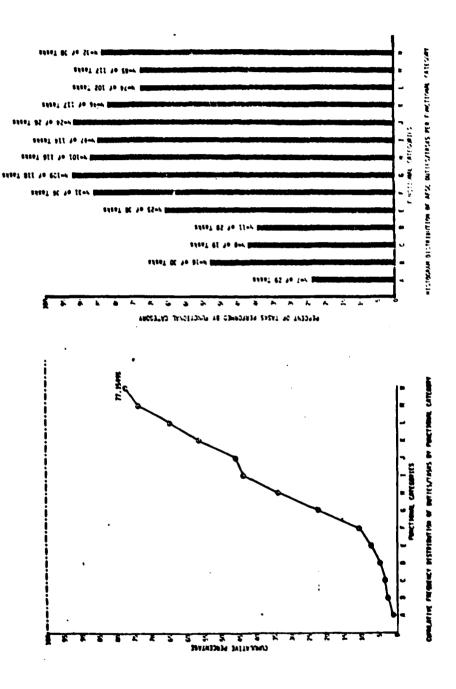


Figure 4 AFSC 32551 Avionics Instruments Systems Specialist

AFSC 32850 - (Avionics Communications Systems)⁵

Twenty-nine (29) 32850 personnel were inventoried. The OSI used throughout the inventory consisted of 17 functions and contained a total of 521 tasks. Over 57% (57.1792) or 298 tasks out of 521 possible tasks are accomplished by one or more 5-level specialists. Table 4 provides a scenario of relative proportions of tasks accomplished by these personnel. Percentiles of tasks accomplished by these personnel are summarized in column 6. Figure 5 illustrates the cumulative frequencies and histogram distributions of tasks performed by avionics communication specialists. A relationship of .561 (correlation) between inventory tasks versus duties/tasks defined in AFM 39-1 and Lockheed developed systems requirements analysis data.

AFSC 42350 - (Aircraft Electrical Systems)6

The aircraft electrical systems occupational survey inventory consisted of 11 functions and 424 tasks. Over 89% (i.e., 89.4517%) of all of the tasks (or 383 tasks) are performed by one or more of the 27 specialists inventoried. Analytical results are summarized in columns 3, 4, 5, and 6 of Table 5. Figure 6 illustrates the cumulative and relative frequencies derived from analyses of data. Analytical methods described under AFSC 32550 above, were followed when deriving results summarized herein. A correlational value of agreement of .591 was established between tasks accomplished by 27 inventoried personnel compared to duty responsibility defined in AFM 39-1 and Lockheed developed systems requirements analysis data.

AFSC 42351 - (Aircraft Environmental Systems)7

Over 72 percent (72.8253%) of the 736 tasks inventoried by 11 environmental systems mechanics are accomplished by one or more 5-skill level personnel. The OSIs used to inventory these personnel encompassed 18 functional categories as depicted on Table 6. The numbers of tasks contained within each function are also listed. The cumulative percent distribution of tasks depicting the 536 tasks accomplished by 5-level personnel are illustrated in Figure 7. Histograms, depicting percent of tasks accomplished within each function, are also displayed in this figure. A correlation of agreement of .544 was established between tasks actually performed under operational conditions compared to duties described in AFM 39-1 and Lockheed developed systems requirements analysis data.

TABLE 4 SUPMARY
OF
OSI FUNCTIONAL TITLES/HOMENCLATURES

AFSC OS1: 32850 Avionics Communications Specialist Career Ladder (AFPT 90-328-079)

1 FUNCTION	2 TITLES/NOMENCLATURES	3 NUMBER OF TASKS	REL, FRED.(%)	5 TASKS RECORDED	6 FUNCTION PERCENT
		U. THURS	11121111		
A	Organizing & Planning	19	1.3435	7	36.84
B	Directing & Implementing	34	3.6468	19	55.88
C	Evaluating	21	0.9416	5	23.81
D	Training	18	1.3436	7	38.88
£	Working with Forms, Records, Reports, Directives or Technical Data	25	2.6871	14	56.00
F	Inspecting for Quality or Adherence to Technical Data	16	2.8791	15	93.75
G	Performing Gen. Maint. Sys. Line Maintenance Tasks	24	4.6065	24	100.00
H	Performing Gen. Com. Sys.Shop Maint. Tasks	33	6.1420	32	96.97
I	Repairing Com. Sys. Components	22	2.8790	15	68.18
J	Performing Flt Line C/O of Aircrew Communications Equipment	59	11.1324	58	98.30
K	Performing Fld Shop Maint, on Aircrew Communications Equipment	51	9.5969	50	98.04
L	Performing Flt Line C/O of ACP Radio Equipment	41	3.6468	19	46.34
M	Performing Flt Line C/O of ACP Com. Ancillary Equipment	45		0	00.00
N	Performing Flt Line C/O of ACP Associated Equipment	20	1.1516	6	30.00
0	Performing ACP Inflight Technician Operator Functions	9	0,3838	2	22.22
P	Performing Fld Shop Maint. of ACP Communications Components	58	3,4549	18	31.03
Q	Performing Com. Sys Analyzer 0&M Functions	26	1.3436	7	26.92
	TOTALS	521	57,1792	298	

Column 4 Relative Freq. (Proportions) = $\frac{10. \text{ of Tasks Performed}}{10 \text{ tal Tasks}}$ e.g. $\frac{7}{521}$ = 1.3435%

Column 5 Tasks Recorded = The number of OSI tasks recorded on scatter diagram (step interval = 1)

Column 6 Function Percent (Proportion) = No. of Tasks Performed No. of Tasks Per Function e.g. 7 19 = 36.8422

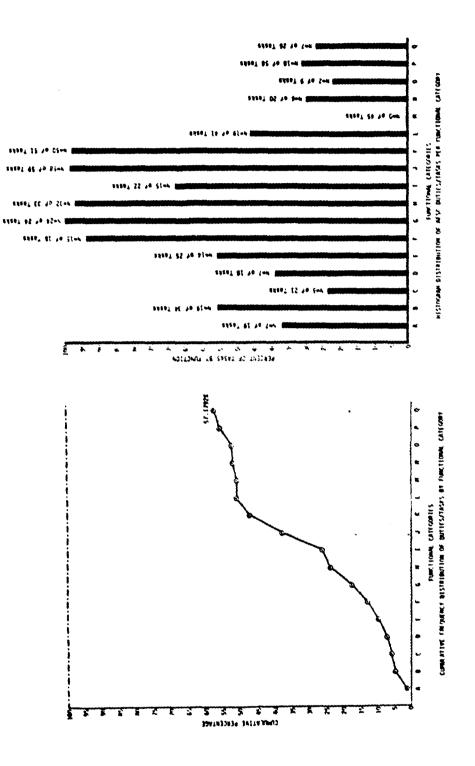


Figure 5 AFSC 32850 Avionics Communications Specialist

TABLE 5 SUIMARY
OF
OSI FUNCTIONAL TITLES/NOMENCLATURES

AFSC 0S1: 42350 Aircraft Electrical Systems Specialist Career Ladder

1	2	3 NUMBER	4 REL.	5 TASKS	6 FUNCTION
FUNCTION	TITLES/NOMENCLATURES	OF TASKS	FREQ.(%)	RECORDED	PERCENT
A	Organizing and Planning	21	3.3018	14	66.66
В	Directing and Implementing	22	3.7736	16	72.72
С	Inspecting and Evaluating	22	3.5377	15	68.18
D	Training	20	2.3585	10	50.00
E	Preparing Forms, Records, or Reports	23	3.8387	20	86.96
F	Performing Quality Control	11	2.1226	9	81.81
G	Inspecting Aircraft Electrical Circuit	s 44	9.6698	41	93.18
н	Troubleshooting Aircraft Electrical Systems	44	10.3774	44	100.00
1	Bench Checking Conventional and Solid State Components	98	22.6415	96	97.96
J	Performing General Aircraft Electrical Shop Maintenance Tasks	95	22,1698	6 1	98.95
K	Maintaining Test Equipment	24	5.6603	24	100.00
	TOTALS	424	89.4517	383	

Column 4 Relative Freq. (Proportions) = $\frac{\text{No. of Tasks Performed}}{\text{Total Tasks}}$ = e.g. $\frac{14}{424}$ = 3.3018%

Column 5 Tasks Recorded - The number of OSI Tasks recorded on scatter diagram (step interval = 1)

Column 6 Function Percent (Proportion) = No. of Tasks Performed e.g. 14 = 66.6666;

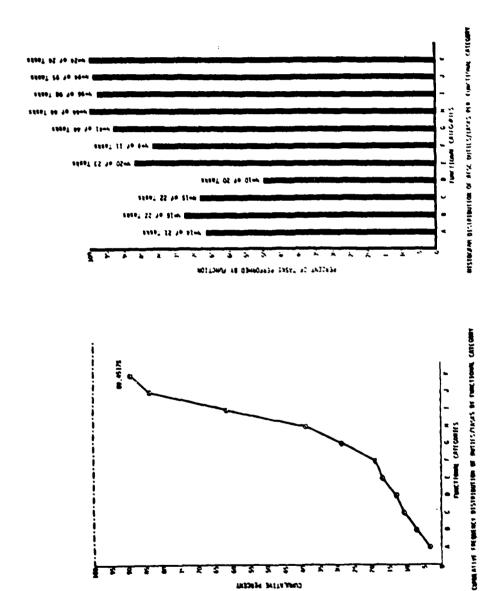




Figure 6 AFSC 42350 Aircraft Electrical Systems Specialist

CUSTANT PERCENT

TABLE 6 SUPMARY
OF
OSI FUNCTIONAL TITLES/NOMENCLATURES

AFSC OS1: 42351 Aircraft Environmental Systems Mechanic Career Ladder

1	2	3 NUMBER	4 REL .	5 CX2AT	6 FUNCTION
FUNCTION	TITLES/NOMENCLATURES	OF TASKS		RECORDED	PERCENT
A	Organizing and Planning	31	3.9402	29	93.55
8	Directing and Implementing	34	3,2608	24	70.59
C	Inspecting and Evaluating	27	1.4945	11	40.74
0	Training	22	1.4945	11	50.00
£	Maintaining Acft Combustion Heater Sys	. 11	1.4945	11	100.00
F	Maintaining acft Fire Extinguishing Sy	s 36	4.4837	33	91.66
6	Maintaining Acft Hisc. Equipment	70	0.8152	6	8.57
H	Maintaining Acft Oxygen Systems	77	10.3261	76	98.70
1	Maintaining Acft Press. Systems	44	4.2119	31	70.45
J	Maintaining Acft Turbine Driven Starte	rs 38	4.7554	35	92.11
K	Maintaining Air Turbine Motors (ATM)	10	1.3586	10	100.00
L	Maintaining Auxiliary Air Systems	82	5.9782	44	53.66
M	Maintaining Life Raft Inflation or Survival Equipment	22	2.0380	15	68.18
N	Maintaining Liquid Cycle Refrig. Syste	ms 12	1.4945	11	91,66
0	Maintaining Servicing or Category II Test Equipment	60	5.4347	40	66.66
P	Performing Air Cond. Sys Functions	76	9.9184	73	96.05
Q	Performing Bleed Air Distribution System Functions	51	6.6576	49	96.08
R	Performing General Shop Maintenance	'33	3.6685	27	81.82
	TOTALS	736	72.8253	536	

Column 4 Relative Freq. (Proportions) = No. of Tasks Performed e.g. 29 = 3.94025

Column 5 Tasks Recorded - The number of OSI tasks recorded on scatter diagram (step interval = 1)

Colum 6 Function Percent (Proportions) = No. of Tasks Performed e.g. 29 = 93.55%

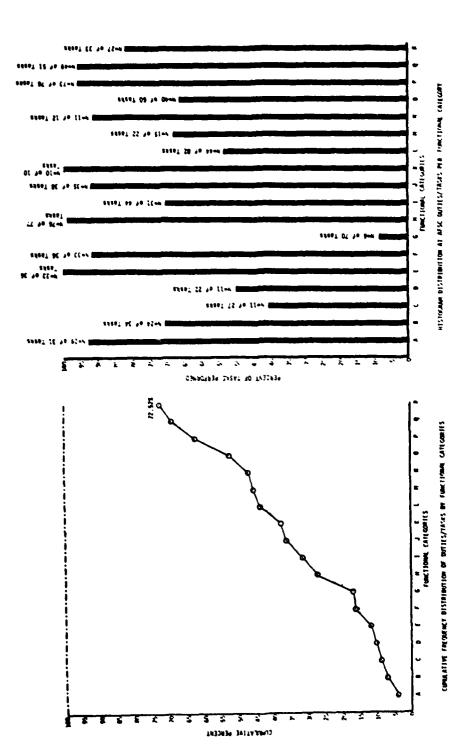


Figure 7 AFSC 42351 Aircraft Environmental Systems Repair Specialist

AFSC 42353 - (Aircraft Fuel Systems)⁸

Fifteen 42353 personnel were inventoried utilizing the Occupational Measurement Center occupational survey inventories. The OSI consisted of 11 major functions consisting of 297 tasks. Approximately 85% (84.8484%) of the 297 tasks are performed by one or more of the 5-skill level personnel. Analytical summaries of OSIs completed by these maintenance personnel are presented in Table 7. Figure 8 presents a cumulative frequency distribution and functional histogram distribution of results acquired during the Little Rock Air Force Base, Arkansas inventory. A correlation of .529 was determined to exist between tasks actually performed in the operational environment versus duties defined in AFM 39-1 and Lockheed developed systems requirements analysis data.

AFSC 42354 - (Aircraft Pneudraulic Systems)9

Occupational Survey Inventories (OSIs) were completed by 11 5-skill level personnel. The OSI consisted of the 13 major functional areas described in Table 8 and consisted of 575 tasks. Over 55% (55.3022%) of the tasks are performed by one or more 5-skill level specialists. The cumulative frequency distribution patterns derived during data analyses are illustrated in Figure 9. Histogram distributions depicting relative task proportions accomplished within each of the 13 functional areas are also illustrated. The correlation between tasks/duties performed by this AFSC, when compared to subtask descriptions, defined in AFM 39-1 and Lockheed developed systems requirements analysis data, was .587.

AFSC 42650 - (Aircraft Propeller Systems) 10

This OSI was completed by 24 propeller maintenance specialist personnel qualified at the 5-skill level. Analytical results are tabulated in Table 9 and illustrated in Figure 10. Specialists recorded that 409 of the 477 tasks (or 85.7%) outlined within the 11 major functional categories are accomplished by one or more 5-level specialists. A correlation coefficient of .534 between AFM 39-1 duties and Lockheed developed systems requirements analysis data versus duties actually performed within the operational environment was established.

TABLE 7 SUMMARY OF OSI FUNCTIONAL TITLES/NOMENCLATURES

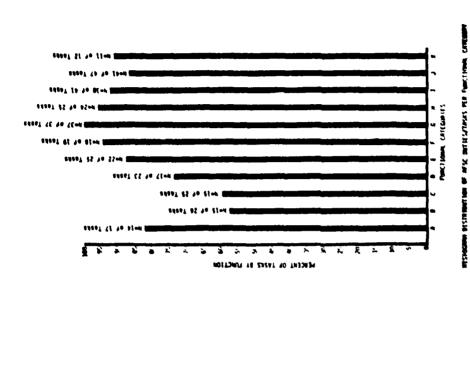
AFSC OSI: 42353 Aircraft Fuel Systems Mechanic Career Ladder (AFPT 90-424-107)

	(1)111 20-164-10//				
1	2	3	4	5	6
FUNCTION	TITLES/NOMENCLATURES	NUMBER OF TASKS	REL. FREQ.(%)	TASKS RECORDED	FUNCTION PERCENT
A	Organizing and Planning	17	4.7138	14	82.35
В	Directing and Implementing	26	5.0505	15	57.69
C	Evaluating	25	5.0505	15	60.00
D	Training	23	5.7239	17	73.91
E	Maintaining Forms and Records	25	7.4074	22	88.00
F	Preparing Aircraft for Fuel Systems Maintenance	19	6.0606	18	94.74
6	Troubleshooting Aircraft Fuel Systems	37	12.4579	37	100.00
н	Inspecting Aircraft Fuel Systems	25	8.0808	24	96.00
I	Removing or Installing Fuel System Components	41	12.7946	38	92.68
J	Repair Aircraft Fuel Systems	47	13.8047	41	87.23
K	Performing Support Functions	12	3.7037	11	91.66
	TOTALS	297	84.8484	252	

Column 4 Relative Freq. (Proportions) = $\frac{\text{No. of Tasks Performed}}{\text{Total Tasks}}$ e.g. $\frac{14}{297}$ = $\frac{4.7138\%}{1000}$

Column 5 Tasks Recorded = The number of OSI tasks recorded on scatter diagram (step interval = 1)

Column 6 Function Percent = No. of Tasks Performed e.g. 14 = 82.35%



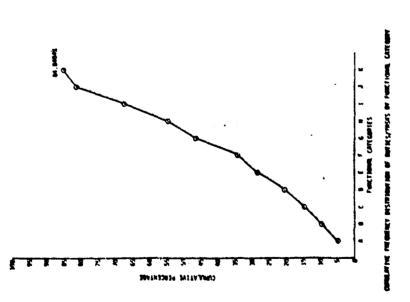


Figure 8 AFSC 42353 Aircraft Fuel Systems Mechanic

TABLE 8 SUMMARY OF OSI FUNCTIONAL TITLES/NOMENCLATURES

AFSC OSI: 42354 Aircraft Poeudraulic Systems Mechanic Career Ladder

	. (AFF 30-461-607)				
1	2	3 NUMBER	4 REL.	5 TASKS	6 FUNCTION
FUNCTION	TITLES/NOMENCLATURES	OF TASKS	FREQ.(%)	RECORDED	PERCENT
A	Organizing and Planning	24	2.7826	16	66.66
B	Directing and Implementing	26	3.8260	22	84.62
C	Inspecting and Evaluating	22	2.6068	13	59.09
D	Training	23	0,6956	4	17.39
Ε	Working with Forms, Records, Reports and Technical Data	32	4.000	23	71.88
F	Inspecting Aircraft Installed Pneudraulic Systems	64	5.5652	32	50.00
G	Performing Operational Checks of Aircraft Pneudraulic Systems	65	4.3478	25	38.46
Н	Adjusting Pneudraulic Systems and Components	57	3.1304	18	31.58
1	Troubleshooting Aircraft Pneudraulic Systems	57	3.4783	20	35.08
	Removing, Replacing, and Servicing Aircraft Pneudraulic Systems and Components	77	5.2174	30	38.96
K	Bench Checking Aircraft Pneudraulic Components	55	8.5217	49	89.09
L	Performing In-Shop Maintenance of Aircraft Pneudraulic Components	39	6.6087	38	97.44
M	Maintaining Shop and Aerospace Ground Equipment (AGE)	34	4.5217	26	76.47
	TOTALS	575	55,3022	316	

Column 4 Relative Freq. (Proportions) = $\frac{\text{No. of Tasks Performed}}{\text{Total Tasks}}$ e.g. $\frac{16}{575}$ = 2.7826%

Column 5 Tasks Recorded = The number of OSI tasks recorded on scatter diagram (step interval = 1)

Column 6 Function Percent = No. of Tasks Performed No. of Tasks Per Function e.g. 16 = 66.6666%

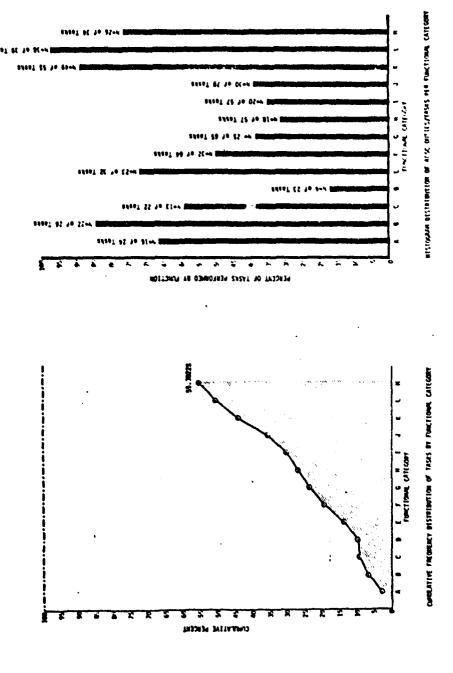


Figure 9 AFSC 42354 Aircraft Pneudraulic Repair Systems Mechanic

TABLE 9 SUIMARY
OF
OSI FUNCTIONAL TITLES/NOMENCLATURES

AFSC OSI: 42650 Aircraft Propeller Mechanic Career Ladder

1	2	3 NUMBER	4 REL.	5 Tasks	6 FUNCTION
FUNCTION	TITLES/NOMENCLATURES	OF TASKS		RECORDED	PERCENT
A	Organizing and Planning	20	3.1446	15	75.00
B	Directing and Implementing	24	4.1929	20	83.33
C	Inspecting and Evaluating	24	2.3061	11	45.83
D	Training	22	1.0482	5	22.72
E	Maintaining Forms, Records, and Reports	18	3.7735	18	100.00
F	Performing Shop and Flight Line Safet	y 10	2.0964	10	100.00
6	Performing Flight Line Maintenance	121	24.3186	116	95.87
н	Performing In-Shop Assembly and Disassembly of Propellers	114	21.3836	102	89.47
1	Performing Maintenance Operating Check of Conventional Propellers	ks 26	4.8218	23	88.45
J	Performing Maintenance Operating Check on Turbopropellers	ks 26	5,4507	26	100.00
ĸ	Bench Checking and Repairing	72	13.2075	63	87.50
	TOTALS	477	85.7539	409	

Column 4 Relative Freq. (Proportions) = No. of Tasks Performed e.g. 15 = 3.1446:

Column 5 Tasks Recorded - The number of OSI tasks recorded on scatter diagram (step interval = 1)

Column 6 Function Percent = No. of Tasks Performed e.g. 15 = 75.00%

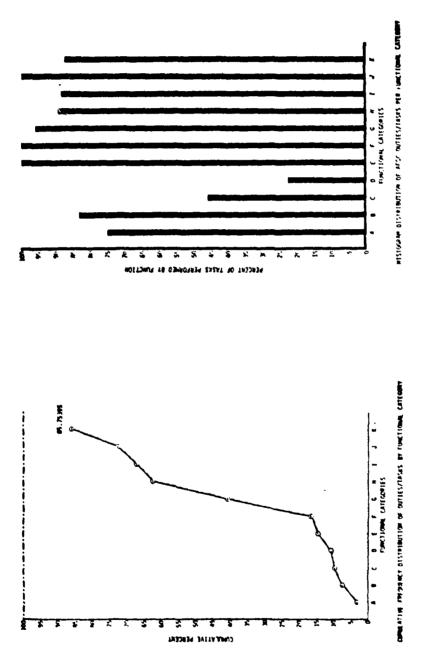


Figure 10 AFSC 42650 Aircraft Propeller Systems Mechanic

AFSC 42652 - (Jet Engines) 11

Fifty 5-skill level jet engine mechanics were inventoried. The OSI consisted of 17 functional categories which included 415 distinct specialty tasks. Over 88% of 367 out of the 415 possible tasks were recorded as being performed by one or more AFS personnel. Results acquired during data analyses are tabulated in Table 10 and illustrated in Figure 11. A correlation of agreement between duties prescribed in AFM 39-1 and Lockheed developed systems requirements analysis data and actual operational duties equal to .579 was computed.

AFSC 43151F - (Aircraft Maintenance) 12

Fifty 43151F aircraft maintenance personnel at Little Rock Air Force Base, Arkansas completed the 43151F/OS1. The inventory consisted of 23 major functional categories encompassing 977 individual tasks. Over 75% (76.6630%) or 749 out of the 977 tasks were performed by one or more of the 50 aircraft maintenance specialists inventoried. Results are tabulated in Table 11 and illustrated in Figure 12. A correlation of agreement between AFM 39-1 and Lockheed developed systems requirements analysis data and duties detailed in the OSI equal to .613 was established.

AFSC 53154 - (Corrosion Control) 13

Twenty-one 53154 AFS personnel were inventoried. The OSI consisted of 13 applicable functional categories and encompassed 410 tasks. The OSI had three categories that were not applicable to aircraft systems, namely Functions N, O and P missile systems corrosion control. Forty-seven tasks contained within this inventory were not used in this study. Over 72% (72.1947%) or 296 out of a possible 410 tasks are performed by 5-level corrosion control personnel. Results of data analyzed within the 21 completed OSIs are tabulated in Table 12 and illustrated in Figure 13. A correlation between AFM 39-1 and Lockheed developed systems requirements analysis, versus actual duties performed at a Tactical Airlift Wing equal to .608 was computed.

CONCLUSIONS

"Lessons learned" during the planning implementation and analyses of task data enable the formulation of the following conclusions:

TABLE 10 SUIDMARY OF OSI FUNCTIONAL TITLES/NOMENCLATURES

AFSC OST: 42652 Jet Engine Mechanic Career Ladder (AFPT 90-432-054)

	(AFPT 90-432-054)				
1	2	3	4	5	6
FUNCTION	TITLES/NOMENCLATURES	NUMBER OF TASKS	REL. FREQ.(で)	TASKS RECORDED	FUNCTION PERCENT
A	Planning and Organizing	30	6.5060	27	90.00
В	Directing and Implementing	27	6.024	25	92.59
C	Evaluating	17	3.3735	14	82.35
D	Training	20	4.3373	18	90.00
E	Preparing Forms, Records, or Reports	30	6.7469	28	93.53
F	Inspecting and Performing Q/C	21	5.0602	21	100.00
G	Performing Flt Line Maintenance on Jet Engines	40	9.6385	40	100.00
Н	Performing Intermediate Maintenance on Jet Engines	63	14.6988	61	96.83
1	Preserving and Depreserving Engines and Components	27	6.5060	27	100.00
J	Performing Balance Shop Functions	22	4.0964	17	77.27
K	Performing Engine Test Stand Functions	25	5.7831	24	96.00
L	Performing Engine Trim Pad Functions	17	3.6144	15	88.23
М	Repairing & Maintaining Small Gas Turbine Engines (SGTS)	9	2.1686	9	100.00
N	Maintaining Starters & Starter Test Stands	18	4.0964	17	94.44
0	Performing Spectrometric Oil Analysis	15	0.9638	4	26.66
P	Maintaining & Repairing Test Eqmt & Special Tools	23	2.1687	9	39.13
Q	Performing Supply Functions	11	2.6506	11	100.00
	TOTALS	415	88.4333	367	

Column 4 Relative Freq. (Proportions) = $\frac{\text{No. of Tasks Performed}}{\text{Iotal Tasks}}$ e.g. $\frac{27}{415}$ = $\frac{6.5060}{100}$

Column 5 Tasks Recorded = The number of OSI tasks recorded or scatter diagram (step interval = 1)

Column 6 Function Percent (Proportions) = No. of Tasks Performed e.g. $\frac{27}{30}$ = $\frac{90.002}{0.002}$

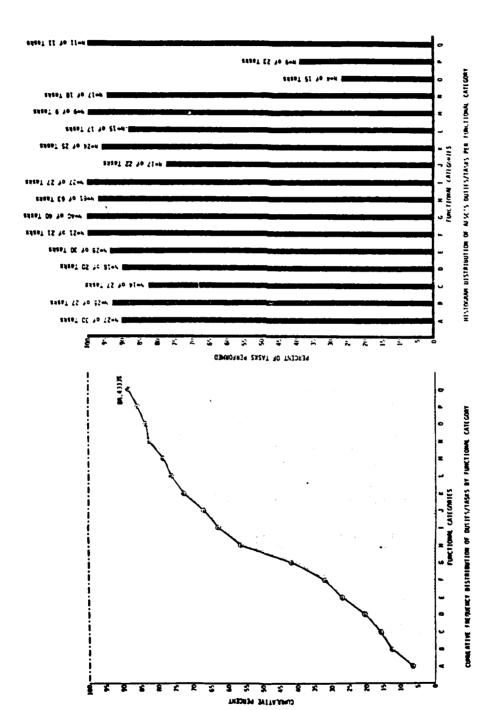


Figure 11 AFSC 42652 Jet Engine Mechanic

TABLE 11 SUMMARY
OF
OST FUNCTIONAL TITLES/NOMENCLATURES

AFSC OSI: 43151F Aircraft Maintenance Specialist Career Ladder (AFPT 90-431-210)

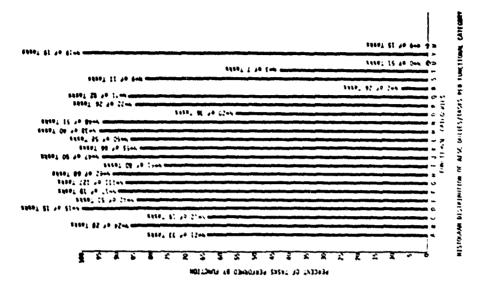
1	2	3	4	5	6
FUNCTION	TITLES/NOMENCLATURES	NUMBER OF TASKS	REL. FREQ.(%)	TASKS RECORDED	PERCENT
A	Organizing and Planning	33	2,1493	21	63.64
Ð	Directing and Implementing	28	2,4565	24	85.71
C	Inspecting and Evaluating	19	1,2282	12	63.16
0	Training	15	1,5353	15	100.00
E	Maintaining Forms and Records	50	4,2989	42	84.00
F	Performing Supply Functions	19	1,7400	17	89.47
G	Performing Gen. Acft Maintenance	127	11,3613	111	87.40
H	Performing Grd Handling of Aircraft	68	6.3459	62	91.18
I	Maintaining Landing Gear Systems	80	6,2436	61	76.25
J	Maintaining Utility Systems	50	4.8106	47	94.00
K	Maintaining Flight Control Systems	66	6,6295	55	83.33
L	Maintaining Fneudraulic Systems	58	5.1137	50	86.21
M	Maintaining Electrical Systems	40	3.8895	38	95.00
N	Maintaining Fuel Systems	51	4.9130	48	94.12
0	Maintaining Non-Powered AGE	36	2.0471	20	55.55
P	Maintaining 780 Equipment	26	2.2518	22	84.62
Q	Performing Ge. Engine Maintenance	82	7,2671	71	86.59
R	Maintaining Reciprocating Engines	26	0.2047	2	7.69
S	Maintaining Turbo-Propeller Engines	11	0.9212	9	81.82
T	Maintaining Turbo-Jet Engines	7	0.3071	3	42.86
U	Maintaining Tow Targets	51		0	00.00
٧	Maintaining Aerial Delivery Systems	19	1,9447	19	100,00
W	Maintaining In-Flt Refueling (IFR) Sys	15		0	00.00
	TOTALS	977	76.6630	749	

Column 4 Relative Freq. (Proportions) = No. of Tasks Performed e.g. 21 = 2.1493%

Column 5 Tasks Recorded = The number of OSI tasks recorded on scatter diagram (step interval = 1)

Column 6 Function Percent (Proportions) - No. of Tasks Performed Proportion 8.9. 21 - 63.64:

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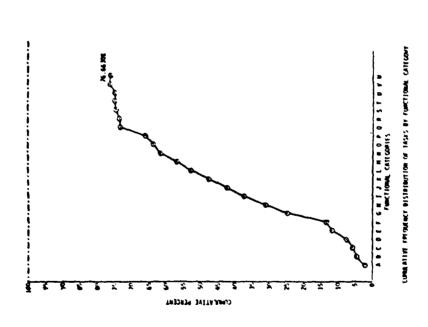


Figure 12 AFSC 43151F Aircraft Maintenance Mechanic

TABLE 12 SUMMARY OF OSI FUNCTIONAL TITLES/NOMENCLATURES

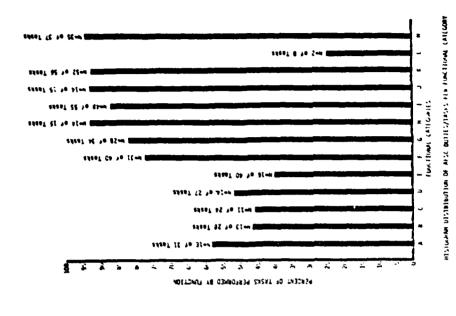
AFSC OSI: 53154 Corrosion Control Specialist Career Ladder (AFPT 90-535-149)

1	2	3	4	5	6
FUNCTION	TITLES/NOMENCLATURES	NUMB OF TA		TASKS RECORDED	FUNCTION PERCENT
A	Organizing and Planning	31	4.3902	18	58.06
В	Directing and Implementing	28	3.1707	13	46.43
C	Inspecting and Evaluating	24	2,6829	11	45.83
D	Training	27	3,4146	14	51.86
E	Working with Forms, Records, Reports, Directives, & Technical Data	40	3.9024	16	40.00
F	Performing Gen. Corr. Control Function	s 40	7.5609	31	77.50
G	Washing Acft and AGE	34	6.8293	28	82.35
H	Inspecting Acft, AGE & Missile Fac.	15	3.4146	14	93.33
1	Removing Corr. & Protective Coatings	55	11.7013	48	87.27
J	Treating & Preparing Metal Surfaces	15	3.4146	14	93.33
K	Applying Protective Coating Systems	56	12,6829	52	92.86
L	Performing & Practicing Disaster Preparedness Functions	8	0.4878	2	25.00
M	Maintaining Corrosion Control Eqmt.	37	8,5365	35	94.59
N	Performing Missile Dispatch Functions	8	(N/A) - Mis	sile Syste	ems
0	Performing Minuteman Corr. Control Fun	c. 18	(N/A) - Mis	sile Syste	ems
P	Performing Titan Missile Corrosion Control Functions	21	(N/A) - Mis	sile Syste	ems
	TOTALS	457	72.1947	296	
	TOTAL	410	Applicable T	asks	

Column 4 Relative Freq. (Proportions) = $\frac{\text{No. of Tasks Performed}}{\text{Total Tasks}}$ e.g. $\frac{18}{410}$ = 4.3902%

Column 5 Tasks Recorded - The number of OSI tasks recorded on <ratter diagram (step interval = 1)

Column 6 Function Percent (Proportions) = $\frac{\text{No. of Tasks Performed}}{\text{No. of Tasks Per Function}}$ e.g. $\frac{18}{31}$ = 58.06%



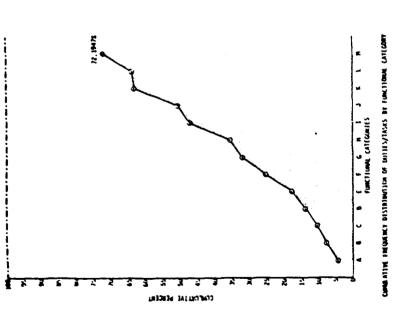


Figure 13 AFSC 53154 Corrosion Control Specialist

- Acquisition of data describing actual tasks or duties performed by maintenance or operations Air Force specialty (AFS) personnel is wholly dependent upon the cooperation of the cognizant commander (e.g., Deputy Commander for Maintenance).
- Acquisition of duty/task data of any AFS, is best implemented under the "capture system" wherein each specialist completes his respective task inventory under the direct supervision of a test controller.
- 3. Although the correlations noted in Table 1 are statistically significant beyond the .05 level of confidence, the large discrepancies noted between the dependent variable (AFM 39-1 and Lockheed developed systems requirements analysis data) and independent variable (tasks actually performed) permit the following conclusions:
 - a. AFM 39-1, Enlisted Personnel Airman Classification Manual, job descriptions and systems requirement analysis data serve as poor planning specifications when developing Personnel Planning Information (PPI) on new or modified USAF systems.
 - b. Training Planning Information, Training Personnel Requirements and Unit Detailed Listings developed from PPI data should be comprehensive and accurate.
 - c. Future PPI data development by contractors and others should utilize AFM 39-1 and AFM 36-1 (Officer Classification Manual)¹⁴ as planning guides, but should be augmented by extensive data derived from operational work centers performing within the requirements of AFM 66-1 (Maintenance Management)¹⁵ criteria.
 - d. Manpower estimates provided by contractors to future weapon systems, system program offices (SPOs) and Using Commands should be sensitive to manpower impacts at individual work centers. Section V of Qualitative and Quantitative Personnel Requirements Information documents (a part of PPI) alluding to manpower changes due to new and/or system modifications should define explicit manpower changes by AFS and individual work centers.

- 4. Skill-level-5 Air Force specialists have been frequently referred to as the maintenance backbone of the USAF Approximately 74% (73.769%) of the 6294 duties and tasks (or 4643 tasks) contained within the 11 OSIs are performed by 5-level maintenance personnel. This percent of tasks accomplished by the 5-level airman partially supports the initial premise statement.
- 5. Aerospace contractor agencies at the weapon system planning level should be aware of the organizational and management structure existent within aircraft weapon system Using Commands.

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- 15. Air Force Manual 66-1, Volumes I through VI, "Maintenance Management" January 1974.

ABBREVIATIONS/ACRONYMS

AFB	Air Force Base
AFHRL	Air Force Human Resources Laboratory
AFM	Air Force Manual
AFS	Air Force Specialist
AFSC	Air Force Specialty Code
AFSC	Air Force Systems Command
ATC	Air Training Command
ATM	Air Training Command Air Turbine Motors
AIM .	Air lurbine motors
CDRL	Contract Data Requirements List
HWSA	Historical Weapon Systems Analysis
IAW	In Accordance With
İFR	In-Flight Refueling
***	In-111ght Kerdering
LAFB	Lackland Air Force Base, Texas
LCC	Life Cycle Cost
LRAFB	Little Rock Air Force Base, Arkansas
LS&S	Logistics Support and Services

MAC	Military Airlift Command
MAFB	McChord Air Force Base, Washington
MAW	Military Airlift Wing
MPC	Military Personnel Center
N/A	Not Applicable
O&M	Operations and Maintenance
0&S	Operations and Support
OSI	Occupational Survey Inventory
OSR	Occupational Survey Report
	Total Carray Neport
PACS	Pilot Assist Cable Servo System
QC	Quality Control
SGTS	Small Gas Turbine System
SP0	System Program Office
STINFO	System Program Office Scientific Technical Information
TAW	Tactical Aimlift Wins
T.O.	Tactical Airlift Wing Technical Order
	Technical Order Technical Report
TR	recuircar Report
USAF	United States Air Force
W/S	Weapon System

APPEXDIX A AIRMAN AIR FORCE SPECIALTY DUTIES AND RESPONSIBILITIES

★AUTOMATIC FLIGHT CONTROL SYSTEMS SPECIALIST

1. SPECIALTY SUMMARY

Inspects, troubleshoots, removes, repairs, installs, adjusts, and modifies automatic flight control systems, components, and test equipment.

2. DUTIES AND RESPONSIBILITIES

- a. Performs inspection and maintenance on automatic flight control systems: Inspects, checks, troubleshoots, and performs maintenance and special inspections on automatic flight control systems including autopilot amplifiers; yaw computers; yaw, pitch, and roll dampeners; gyros and accelerometers; automatic trim; servos and follow-up mechanisms; remote compass transmitters and indicators; and drive assemblies. Checks for proper automatic flight control systems response from signal sources such as compass or attitude reference; pilot's controls; fire control systems; ILS; and other associated systems. Diagnoses automatic flight control systems operational malfunctions and determines cause by using appropriate circuit diagrams and test equipment. Makes appropriate entries in aircraft forms.
- b. Repairs and maintains automatic flight control systems: Troubleshoots and isolates system malfunctions. Removes automatic flight control systems malfunctioning units
- and replaces with serviceable units. Disassembles, repairs, and reassembles malfunctioning automatic flight control systems components. Performs adjustments and calibration checks to insure optimum operating efficiency of repaired assemblies. Adjusts and calibrates the automatic flight control systems, including responses and nulls about the control axis of pitch, roll, and yaw, automatic trim and gain changer circuitry, attitude stabilization, and attitude and Mach control circuits, using prescribed test equipment to include automatic tape programmed test equipment and compass calibrators.
- c. Supervises automatic flight control systems personnel: Assigns maintenance functions to subordinates and observes performance to insure compliance with local procedures and applicable technical publications. Instructs subordinates in automatic flight control systems operational performance, operational checks, and proper utilization of applicable tools and test equipment.

3. SPECIALTY QUALIFICATIONS

a. Knowledge:

(1) Knowledge of electronic principles and solid state devices as applied to the operational maintenance of automatic flight control systems; and use and interpretation of

logic circuits, signal data flow, wiring diagrams, component schematics, and technical publications is *mandatory*. Possession of mandatory knowledge will be determined in accordance with AFM 35-1.

- (2) Knowledge of mechanical principles and aircraft flight characteristics is desirable.
- b. Education: Completion of high school with courses in physics and mathematics is desirable.
- c. Experience: Experience in functions such as installation, test, inspection, repair, and overhaul of automatic flight control systems is mandatory.
- d. Training: Completion of a basic automatic flight control systems course is desirable.

e. Other:

- (1) Normal color vision as defined in AFM 160-1 is mandatory.
- (2) A minimum aptitude level of Electronic 80 is mandatory.

a. Grade Spread:	Electronics Mechanic828.281
Sergeant and staff sergeant32550	c. Related DOD Occupational Subgroup:
Airman first class32530	102
b. Related D.O.T. Job:	

AIRMAN AIR FORCE SPECIALTY AVIONICS INSTRUMENT SYSTEMS SPECIALIST

1. SPECIALTY SUMMARY

Installs, inspects, repairs, operates, troubleshoots, overhauls, and modifies avionic instruments, avionics instrument systems, components, and test equipment.

2. DUTIES AND RESPONSIBILITIES

a. Performs preventive maintenance on electronic/transistorized instruments and instruments systems: Inspects and tests electrical, electronic/transistorized instrument systems and component parts; mechanical flight and engine instrument systems; flight data recorder systems; central air data computer systems, including component parts such as computers, compensators, converters, and sensors; and gyro stabilized attitude reference and flight director indicating systems and components, such as gyro displacement platforms, compass adapters, attitude director indicators, horizontal situation indicators, computers, power supplies, amplifiers, and rate gyroscopes. Records instrument scale readings and computes instrument tolerances during operational checks.

b. Installs, repairs, troubleshoots, overhauls, and modifies electrical, electronic/ transistorized, and mechanical instruments and instrument systems: Checks components for serviceability prior to installation. Repairs and replaces faulty wiring, electrical connectors, and pressure connections to components and systems. Troubleshoots and repairs central air data computer, flight data

recorder, flight director, and attitude reference systems to insure correct output for related integrated systems. Analyzes, isolates, and repairs instrument systems and component malfunctions using circuit diagrams and test equipment, such as pitot-static testers, barometers and manometers, gyroscopic instrument testers, frequency counter, digital voltmeters, and specialized instrument systems testers and analyzers. Maintains and calibrates instrument systems test equipment as outlined in applicable technical directives. Swings and compensates gyro magnetic compasses. Aligns, balances, calibrates, and adjusts repaired assemblies and systems. Accomplishes modification of components and systems.

c. Supervises avionics instrument systems personnel: Assigns maintenance and operation tasks. Observes performance to insure compliance with directives and applicable technical publications. Instructs subordinates in techniques of installation, maintenance, and repair of instruments and instrument systems. Conducts on-the-job training and demonstrates use of tools and equipment.

3. SPECIALTY QUALIFICATIONS

a. Knowledge: Knowledge of theory and application of electronic principles; interpretation and application of mechanical drawings and wiring diagrams in relation to mechanical functions and electronic circuits; theory and application of servo-amplifiers; functional value of differential gearing; use,

care, and interpretation of testing and measuring devices; and principles of power and motion transmission by electrical and mechanical means is mandatory. Possession of mandatory knowledge will be determined in accordance with AFM 35-1.

b. Education: Completion of high sch :

with courses in physics and mathematics is desirable.

- c. Experience: Experience in functions such as installation, testing, inspection, repair, and overhaul of instrument systems and components is mandatory.
 - d. Training: Completion of a basic avion-

ics instrument systems course is desirable.

- e. Other:
- (1) Normal color vision as defined in AFM 160-1 is mandatory.
- (2) A minimum aptitude level of Electronic 80 is mandatory.

a. Grade Spread: Sergeant and staff sergeant 32551 Airman first class 32531	Electronics Mechanic 828.281 Systems Tester 729.381 C. Related DOD Occupational Subgroups
b. Related D.O.T. Jobs:	c. Related DOD Occupational Subgroup: 198

AVIONIC COMMUNICATIONS SPECIALIST

1. SPECIALTY SUMMARY

Installs, maintains, modifies, troubleshoots, and repairs avionic communications equipment and test equipment.

2. DUTIES AND RESPONSIBILITIES

- a. Performs preventive maintenance on avionic communications equipment. Inspects and tests avionic communications systems at specified intervals to locate defective components or interconnections. Adjusts or replaces defective components. Turns on equipment sets controls in various operating positions, and evaluates equipment performance, using applicable test equipment and technical orders.
- b. Installs avionic communications equipment. Checks equipment visually and by use of test equipment for serviceability before installation. Assembles, connects, and interwires system components. Conducts detailed test of installed equipment for compliance with technical orders. Places in operation, and tunes, adjusts, and aligns components to obtain maximum operating efficiency.
- c. Repairs avionic communications equipment. Isolates troubles in inoperative or malfunctioning equipment through prescribed TO checkout procedures, using peculiar or common test equipment. Repairs communications equipment such as HF transceivers, transmitters, and receivers; interphone; VHF AM and FM, UHF transceivers, UHF ADF, emergency radios.
- data link, and crash position indicators, using small handtools, soldering equipment, and common and peculiar test equipment. Tunes and adjusts avionic communications components according to technical orders, manufacturers' handbooks, and local procedures. Accomplishes routine modification of equipment according to modification work orders and TCTOs. Performs progressively more difficult testing and repair duties as specifically directed.
- d. Maintains inspection and maintenance records. Posts entries on applicable maintenance and inspection forms and records. Completes maintenance data collection forms. Recommends methods to improve equipment performance and maintenance procedures.
- e. Supervises avionic communications regain personnel. Assigns work and reviews completed repairs to insure compliance with local procedures and applicable technical publications. Instructs subordinates in techniques of installation, maintenance, and repair of avionic communications equipment. Insures personnel are aware of appropriate procedures prescribed by USAF maintenance management and safety directives.

3. SPECIALTY QUALIFICATIONS

a. Knowledge:

- (1) Knowledge of theory of electronics and radio, including theory of transistors and solid state components; digital techniques; and interpretation of technical orders, wiring diagrams, and schematic drawings is mandatory. Possession of mandatory knowledge will be determined according to AFR 35-1.
- (2) Knowledge of radar and computer electronic principles is desirable.
- **b.** Education. Completion of high school with courses in physics and mathematics is desirable.
- c. Experience. Experience in functions such as testing, tuning, adjusting, maintaining, or repairing avionic communications equipment; applying theory of electricity and radio to maintenance and repair of avionic communications equipment; and use of specialized test equipment is mandatory.

d. Training:

- (1) Completion of a basic avionic communications maintenance course is destrable.
- (2) Completion of an airborne command post equipment maintenance course is desirable for award of suffix "A."

* e. Other:

- (1) Normal color vision as defined in AFM 160-1 is mandatory.
- (2) A Secret security clearance according to AFR 205-32 is mandatory for award of this AFSC. Access certification for Secret information is mandatory for performance of duties under this AFSC unless duties warrant administrative withdrawal or downgrading of access, without prejudice, according to AFR 205-32.
- (3) Minimum qualification as AFSC 32850 is mandatory for entry into training for award of suttix " \

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(4) A minimum aptitude level of Electronic 80 is mandatory.

(5) A Top Secret security clearance according to AFR 205-32 is mandatory for award of suffix "A". Access certification for Top Secret information is

mandatory for performance of duties under this suffix unless duties warrant administrative withdrawal or downgrading of access, without prejudice, according to AFR 205-32.

4. SPECIALTY DATA

w a. Grade Spread:	b. Related D.O.T. J	obs:
Airman first-class through	Radio Repairma	n 720.281
staff sergeant 32	50 Radio Mechanic	823.281
Airman first-class 32	30 c. Related DOD Oc	cupational Subgroup: 101

5. *SPECIALTY SHREDOUTS

Suffix	Portion of AFS to Which Related
A	Airborne Command Post
	Communications Equipment
	Repairman

* AIRCRAFT ELECTRICAL SYSTEMS SPECIALIST

1. SPECIALTY SUMMARY

Troubleshoots, inspects, installs, repairs, modifies, and overhauls aircraft electrical systems and associated electronic components, subsystems, and test equipment.

2. DUTIES AND RESPONSIBILITIES

- a. Inspects, troubleshoots, installs, and maintains aircraft electrical systems, components, subsystems, and test equipment. Visually and operationally tests DC and AC power, landing gear, inition, starting, lighting, anti-skid, nose-wheel steering, nesa glass, electronic engine controls, static and rotary inverters, master caution, take-off warning, flight controls, fire and overheat warning, and fuel control systems. Uses applicable test equipment and publications to identify system and component malfunctions. Repairs and returns system and component to maximum efficiency consistent with design characteristics. Adjusts, aligns, calibrates, and services electrical and associated electronic systems, components, and test equipment such as DC and AC generators, voltage regulators, frequency and load controllers, relays, switching devices, constant speed drives, control and protection panels, inverters, and special equipment testers and power system load and monitoring devices to obtain maximum operating efficiency according to applicable technical publications.
- b. Repairs, modifies, and overhauls aircraft electrical systems and associated electronic components, subsystems, and test equipment. Repairs, modifies, and overhauls electrical and solid state voltage regulators, control panels, protection panels, frequency and load controllers, static inverters, caution and warning panels, nose wheel steering and anti-skid amplifiers, nesa glass

- controllers, miniature modules, audible warning detectors, engine fuel and nozzle amplifiers, asymmetry detectors, transformer rectifiers, generators, actuators, relays, timing and sensing devices, lighting equipment, batteries (alkaline and lead acid), fire detectors, motors, rotary inverters and special equipment testers such as generator, actuator, inverter, battery charger analyzer, and power supplies according to technical publications. Repairs, modifies, and overhauls electrical components of powered aerospace ground equipment that is beyond the user's capability. Fabricates and modifies aircraft electrical wiring.
- c. Maintains inspection and maintenance records. Posts entries on applicable maintenance and inspection records. Completes maintenance data forms. Recommends methods to improve equipment performance and maintenance procedures.
- d. Supervises aircraft electrical systems maintenance personnel. Assigns work to subordinates and reviews completed repairs to insure compliance with local procedures and applicable technical publications. Instructs subordinates in the proper installation, operation, and repair of electrical systems and associated test equipment. Demonstrates the proper use of special tools and test equipment. Insures personnel adhere to appropriate procedures prescribed by USAF maintenance management directives.

3. SPECIALTY QUALIFICATIONS

- a. Knowledge. Knowledge of electrical, electronic, and mechanical principles as applied to aircraft and associated ground equipment electrical systems; and use of blueprints, diagrams, and technical publications is mandatory. Possession of mandatory knowledge will be determined according to AFR 35-1.
- b. Education. Completion of high school with a course in basic electronics and mathematics is desirable.
 - c. Experience:
- (1) Experience in functions such as, maintenance or repair of aircraft electrical and electronic

- control systems and components, is mandatory.
- (2) Experience in functions such as the supervision of operation of an aircraft electrical systems maintenance activity is desirable.
- b. Training. Completion of a basic aircraft electrical systems maintenance course is desirable.
 - e. Other:
- (1) Normal color vision as defined in AFM 160-1 is mandatory.
- (2) A minimum aptitude level of Electronic 50 is mandatory.

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a. Grade Spread: Airman first-class through staff sergeant	b. Related D.O.T. Job: Electrician, Airplane 825.281
	c. Related DOD Occupational Subgroup: 602

AIRCRAFT ENVIRONMENTAL SYSTEMS MECHANIC

* 1. SPECIALTY SUMMARY

Installs, inspects, repairs, operates, troubleshoots, overhauls, and modifies aircraft oxygen, heating, air conditioning, cabin pressurization, anti-icing, air turbine, engine bleed air distribution, and fire extinguisher systems, components, and associated equipment; services, inspects, overhauls, and recharges life raft inflation equipment; and performs intermediate maintenance on cryogenic storage containers.

2. DUTIES AND RESPONSIBILITIES

- a. Performs preventive maintenance on aircraft environmental systems. Inspects and tests aircraft oxygen systems and components such as oxygen converters, regulators, pressure reducing valves, relief valves, filler valves, flow indicators, and pressure gauges; air conditioning systems and components such as flow control valves, shut-off valves, heat exchangers, cooling turbines, electrical, electronic temperature regulators, temperature sensing devices, temperature control valves, transducers, and water separators; cabin pressurization systems and components such as pressure controllers, outflow valves and safety valves; combustion heater systems and components such as heaters, ignition units, fuel solenoids, fuel filters, fuel pressure regulators, fuel metering devices and temperature controls; anti-icing systems and components such as air pressure and flow regulators; air shut-off valves, temperature controls, and temperature sensing devices; air turbine motors and components such as shut-off valves, modulating valves, speed control governors, and overspeed mechanisms; engine bleed air distribution systems and components such as check valve, shut-off valves, filters, and ducting, **air**, combustion, and cartridge type turbine driven engine starters and system components; and fire extinguishing systems and components such as cylinders and control valves. Inspects and replaces wiring and electrical connectors to aircraft environmental systems components. Inspects for and treats corrosion on aircraft environmental systems and components.
- b. Installs, repairs, overhauls, and modifies aircraft environmental systems. Removes, repairs, and replaces components of aircraft oxygen, air conditioning, cabin

- pressurization, combustion heater, engine bleed air distribution, fire extinguisher, and air turbine drive systems. Disassembles unit and examines parts for damage and for possible causes of malfunction. Makes operational checks, tests and troubleshoots environmental systems and components using electrical and electronic meters and test equipment such as manometers, flowmeters, cabin pressure leak testers, cabin temperature control system testers, combustion heater testers, cabin pressure calibrator sets, air conditioning valve test panels and calibrator sets, bellows deflection testers, anti-G suit valve testers, thermal switch testers, air turbine motor testers, oxygen regulator test stands, liquid oxygen accessories test stands, and liquid oxygen system field testers. Services, inspects, overhauls, and recharges life raft inflation equipment. Calibrates and adjusts repaired assemblies and systems. Accomplishes modifications of components and systems.
- *c. Performs intermediate maintenance on cryogenic storage containers. Maintains and repairs mobile and skid mounted oxygen/nitrogen storage containers; removes and replaces valves and gauges; and performs vacuum and purge checks according to applicable technical publications.
- d. Supervises aircraft environmental systems maintenance personnel. Assigns maintenance and operation tasks to subordinates. Observes performance to insure compliance with directives and applicable technical publications. Instructs subordinates in techniques of installation, maintenance, and repair of aircraft environmental systems.

3. SPECIALTY QUALIFICATIONS

a. Knowledge. Knowledge of electrical, electronic and mechanical principles as applied to fabrication, operation, and maintenance of aircraft pressurization, air conditioning, heating, engine bleed air distribution, air

turbine, oxygen, fire extinguisher and anti-icing system and components, and life raft inflation component; aruse and interpretation of wiring diagrams, bluepta, and technical publications is mandatory. Possession

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mandatory knowledge will be determined according to AFR 35-1

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- b. Education. Completion of high school with courses in general science or mechanics is desirable.
- c. Experience. Experience in functions such as installation, maintenance, or repair of aircraft environmental systems is mandatory.
- d. Training. Completion of a basic aircraft environmental systems maintenance course is desirable.
 - e. Other:
- (1) Normal color vision as defined in AFR 160-43 is mandatory.
- (2) A minimum aptitude level of Mechanical 40 is mandatory.

a. Grade Spread:	b. Related D.O.T. Jobs:
Airman first-class through	Oxygen-System Tester 806.381
staff sergeant 42351	Air-Conditioning Mechanic 620.281
Airman first-class 42331	c. Related DOD Occupational Subgroup: 602

***AIRCRAFT FUEL SYSTEMS MECHANIC**

1. SPECIALTY SUMMARY

Removes, repairs, inspects, installs, and modifies aircraft fuel systems to include integral fuel and water cell tanks, external tanks, and associated hardware and equipment.

2. DUTIES AND RESPONSIBILITIES

- a. Determines maintenance requirements on structural sealing and tank repair. Locates leaks in integral sealed tanks, fuel and water cells, and external tanks by approved testing methods and procedures outlined in applicable technical publications. Determines location of leaks by visual inspection or by removing closure panels and using approved leak tracing methods. Determines scope and complexity of repairs by consulting technical orders and engineering instructions.
- b. Performs maintenance on fuel tanks and cells. Drains fuel from tanks and cells and purges tanks. Removes access panels. Removes, disassembles, repairs, reassembles, and installs components. Removes, repairs, and tests cells. Repairs and tests tanks. Cleans cavities and inspects for foreign objects, corrosion, deterioration, and fungus. Installs cells in cavities using necessary support devices. Cleans and seals critical areas.
- c. Inspects and repairs aircraft fuel systems Inspects surfaces for fuel seepage and presence of fuel odors. Applies sealant in correct proportion by brushing, filleting, and injection to assure proper curing and adequate coverage. Applies protective topcoat sealants, insures proper cure of installed sealants as demanded by environmental conditions according to technical orders.
- d. Supervises aircraft fuel systems mechanics. Assigns maintenance and repair functions to subordinates and observes performance to insure compliance with local procedures and applicable technical publications. Instruct subordinates in techniques of maintenance, repair, and installation of aircraft fuel systems and related components. Demonstrates the proper use of special tools and test equipment. Insures personnel adhere to appropriate procedures prescribed by USAF maintenance management publications.

3. SPECIALTY QUALIFICATIONS

- a. Knowledge. Knowledge of internal hardware such as interconnects, lines, valves, gauges, controls, pumps, and other attachments; sealing material characteristics; sheet metal parts; rubber products; and application and curing of organic sealing compounds and cement is mandatory. Possession of mandatory knowledge will be determined according to AFR 35-1.
- b. Education, Completion of high school with courses in general science or physics is desirable.
 - c. Experience:
 - (1) Experience in functions such as installation,

- repair, or modification of aircraft fuel systems is mandatory.
- (2) Experience in functions such as record preparation and management techniques is desirable.
- d. Training. Completion of a basic aircraft fuel systems maintenance course is desirable.
 - e. Other:
- (1) Normal color vision as defined in AFM 160-1 is mandatory.
- (2) A minimum aptitude level of Mechanical 40 is mandatory.

a. Grade Spread:	b. Related D.O.T. Job:
Airman first-class through	Fuel-System-Maintenance
staff sergeant	Man 630.781
Airman first-class 42333	c. Related DOD Occupational Subgroup: 602

* AIRCRAFT PNEUDRAULIC SYSTEMS MECHANIC

1, SPECIALTY SUMMARY

Inspects, troubleshoots, installs, repairs, overhauls, and modifies aircraft pneumatic/hydraulic, in-flight refueling systems, and associated pneumatic/hydraulic aerospace ground equipment.

2. DUTIES AND RESPONSIBILITIES

a. Performs preventive maintenance on aircraft. in-flight refueling systems; and ground support equipment pneumatic/hydraulic systems. Accomplishes periodic and special inspections on pumps, accumulators, reservoirs, valves, cylinders, brakes, wheels, shock absorber struts, filters, shimmy dampers. control surface booster units, flying boom assembly and related equipment. Observes for air, inert gas or fluid leaks in reservoir, cracks and external damage, and security of mounting. Checks brakes for sponginess. cracked and chipped linings, clearance, warped discs, and accumulator air pressure. Checks components and subassemblies for operation, adjustment, pressures, internal leakage, external leaks under pressure, sychronization, and sequencing, using portable test stand for power supply. Removes, installs, and services aircraft pneumatic/hydraulic systems, in-flight refueling systems, and related ground equipment.

b. Installs and repairs aircraft pneumatic/hydraulic end in-flight refueling components and ground equipment pneumatic/hydraulic components. Dissassembles, cleans, repairs, assembles, and tests pneumatic/hydraulic and in-flight refueling accessories. Removes covers, poppets, springs, cam seals, pistons, valves, and valve seats. Examines parts for wear, scratches, cracks, and damage. Inspects seals, gaskets, and hose for tears, nicks, and other damage. Inspects equipment removed from storage for condition and any obvious damage. Resurfaces valve seats and valves. Hones and polishes cylinders and pistons to remove scratches and to assure fit. Replaces bushings, bearings, and bearing sleeves. Reworks parts of systems and their components, including landing gear, wing flaps, cowl flaps, carburetor air inlet doors, bomb doors, windshield wipers, shock struts, brakes, flying boom assembly, jacking equipment aerostands, and portable hydrautic test stands. Reconditions and tests pneumatic/hydraulic

units, and in-flight refueling units such as accumulators, actuating struts, selector valves, control valves, and relief valves. Adjusts, aligns, rigs, and calibrates pneumatic/hydraulic components, and flying boom components to insure maximum operating efficiency consistent with design characteristics. Troubleshoots aircraft pneumatic/hydraulic systems, in-flight refueling systems, and components of aircraft pneumatic/hydraulic, and in-flight refueling systems. Performs corrosion control.

c. Inspects, tests, installs, repairs, overhauls, and modifies aircraft in-flight refueling electrical systems. Troubleshoots malfunctions of components, such as signal amplifiers, nozzles, instrument gauges, and flying booms. Replaces defective parts with serviceable items. Adjusts and repairs electrical devices such as elevation. telescope, and azimuth control assemblies, and performs operational tests of aircraft in flight refueling electrical accessories. Conducts detailed tests of in-flight refueling electrical systems using ohnumeter, voltmeter, and electrical test equipment, Isolates malfunctions by visual inspections and electrical checks, and observes instrument indications. Adjusts, aligns, and calibrates aircraft in-flight refueling electrical systems to insure maximum operational efficiency consistent with design characteristics, using wiring diagrams and technical publications.

d. Supervises aircraft pneudraulic systems maintenance personnel. Assigns preventive maintenance and tepair tasks to subordinates and observes performance to insure compliance with local procedures and applicable technical publications. Instructs subordinates in techniques of installation, repair, and maintenance of aircraft pneumatic/hydraulic systems, in-flight refueling systems, and ground equipment pneumatic/hydraulic systems.



3. SPECIALTY QUALIFICATIONS

a. Knowledge. Knowledge of electrical and mechanical principles as applied to aircraft, in-flight refueling, and associated ground equipment pneumatic/hydraulic systems; and use and interpretation of blueprints, wiring diagrams, and technical publications is mandatory. Possession of mandatory knowledge will be determined according to AFR 35-1.

b. Education. Completion of high school with courses in hydraulics or general science is desirable.

c. Experience. Experience in functions such as

installation, modification, or repair of aircraft or associated ground equipment pneumatic, hydraulic and electrical systems and components is mandatory.

d. Training. Completion of a basic aircraft pneudraulic systems maintenance course is desirable.

e. Other:

(1) Normal color vision as defined in AFR 160-43 is mandatory.

(2) A minimum aptitude level of Mechanical 40 or Electronic 40 is mandatory.

a. Grade Sprcad:	•	Heat and Vent	801.381
Airman first-class through		Aircraft Mechanic, Plumbing and	
staff sergeant 42		Hydraulic	862.381
Airman first-class 42	2334	Fuel System Maintenance	
b. Related D.O.T. Jobs:		Man	630.781
Aircraft Mechanic,		c. Related DOD Occupational Subgroup: 6	02

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AIRMAN AIR FORCE SPECIALTY

*AIRCRAFT PROPELLER MECHANIC

1. SPECIALTY SUMMARY

Removes, installs, inspects, repairs and troubleshoots aircraft propellers.

2. DUTIES AND RESPONSIBILITIES

- a. Disassembles, cleans, and inspects aircraft propellers. Disassembles propellers into component parts such as blades, gears, bearings, brushes, shafts, rollers, hubs, slip rings, separators, covers, pistons, housings, motors, seals, gaskets, bolts, nuts, and washers. Cleans and inspects all parts.
- b. Repairs aircraft propellers and component parts. Troubleshoots and repairs malfunctions found in propellers, governors, sychronizers, feathering pumps, and control systems, using small handtools, such as hammers, pliers, wrenches, and related test equipment. Reassembles parts into major propeller assembly and balances propeller by inserting lead into hollow barrel bolts or weights in slots in blade nuts. Tests propeller by using electric or hydraulic test stand to check for operation and evidence of oil leakage. Operates propeller through full blade angle range. Makes necessary
- corrections such as adjusting stops to agree with prescribed angles to insure efficient operation of propeller.
- c. Installs propeller and component parts. Removes and installs propeller on engine shaft, using chain fall, propeller slings, and hoist. Removes and installs control unit and checks for operation. Makes necessary adjustments to propeller and governor synchronizer to insure maximum operating efficiency.
- d. Supervises aircraft propeller maintenance personnel. Assigns maintenance and repair functions to subordinates and observes performance to insure compliance with procedures and applicable technical publications. Instructs subordinates in techniques of installation, repair, and overhaul of aircraft propellers. Conducts on-the-job training.

3. SPECIALTY QUALIFICATIONS

- a. Knowledge. Knowledge of electrical, pneudraulic, and mechanical principles as applied to aircraft propellers; and use of technical publications, forms, records, and maintenance management procedures is mandatory. Possession of mandatory knowledge will be determined according to AFR 35-1.
- **b.** Education. Completion of high school with courses in general science or mechanics is desirable.
 - c. Experience. Experience in functions, such as
- installation, repair, or overhaul of aircraft propellers, is mandatory.
- d. Training. Completion of a basic aircraft propeller maintenance course is desirable.
 - e. Other:
- (1) Normal color vision as defined in AFM 160-1 is mandatory.
- (2) A minimum aptitude level of Mechanical 40 or Electronic 40 is mandatory.

a. Grade Spread:		b. Related D.O.T. Job:
Airman first-class through		Aircraft-and-Engine
staff sergeant	42650	Mechanic 621.281
Airman first-class	42650	c. Related DOD Occupational Subgroup: 602

*** JET ENGINE MECHANIC**

1. SPECIALTY SUMMARY

inspects, removes, installs, disassembles, troubleshoots, repairs assembles, services, tests, and modifies turbojet, turboprop, and turbofan aircraft engines, turbojet missile engines, and small gas turbine engines.

2. DUTIES AND RESPONSIBILITIES

- 2. Performs inspections and preventive maintenance on jet engines including small gas turbine engines and turbojet missile engines. Performs engine periodic and special inspections by checking engine components for cracks, dents, security of attachment, servicing leakage, foreign matter, clearances, deformation, and proper safeties. Removes from and installs engine in aircraft, including disconnecting and connecting fuel, oil, air, and hydraulic lines, aligning of engine, and inspecting controls for freedom of movement and mounting pads for condition. Analyzes and evaluates an operating engine and makes engine performance adjustments such as maximum and minimum rpm, exhaust gas temperature (EGT), and oil pressure. Recognizes troubles through evaluation of engine and engine systems operational checks. Analyzes trouble indication and determines possible cause using technical order diagrams. Isolates troubles by using such test equipment as fuel and oil pressure gauges, exhaust gas temperature test instruments, and engine pressure ratio gauge. Takes appropriate action to insure correction of defect. Operates and performs operator maintenance on jet engine ground support equipment, such as maintenance stands, auxiliary power units, and air compressors. Selects, uses, and cares for common hand and special tools. Observes and practices safety procedures.
- b. Accomplishes field maintenance repair and engine build-up. Disassembles engine to the extent necessary to repair and replace engine parts, to include removing and disassembling engine components such as exhaust cone or afterburner, turbine rotor(s), combustion chamber(s), compressor(s), engine plumbing, electrical leads and

- units, bearings, seals, oil metering jets, and filters. Cleans and inspects engine components using visual inspection methods. Analyzes engine inspection findings to determine need for repairs. Repairs engine by replacing parts and removing defects such as nicks, dents, scratches, and burrs. Assembles engine adhering to prescribed procedures, torque values, safetying methods, and clearances on such items as compressor rotor, turbine rotor, and afterburner nozzle. Modifies engines according to technical directives. Removes and installs quick-engine change kit. Prepares engine for installation in aircraft. Accomplishes corrosion control.
- c. Performs special and field maintenance tests of let engines including small gas turbine engines and turbojet missile engines. Installs engines in test stand. Installs test equipment and makes necessary connections. Performs preoperational and postoperational inspections. Operates the engine and performs engine test, according to applicable directives, to include checking for leaks, making engine trip checks and idle and maximum rpm adjustments, checking vibration, and completing test leas sheet. Removes engine from test stand. Accomplishes operator maintenance on test stand. Follows established control procedures to eliminate the possibility of foreign object damage to engines.
- d. Supervises jet engine maintenance personnel. Assigns maintenance functions to subordinates and observes performance to insure compliance with applicable directives. Instructs subordinates in maintenance of turboprop and jet engines and associated equipment.

3. SPECIALTY QUALIFICATIONS

a. Knowledge:

- (1) Knowledge of mechanical principles as applied to turboprop and jet engines; and the use of technical publications is mandatory. Possession of mandatory knowledge will be determined according to AFR 35-1.
 - (2) Knowledge of electrical theory is desirable.
- **b.** Education. Completion of high school with a course in mechanics or mathematics is desirable.
 - c. Experience.
- (1) Experience in functions such as installation, repair, or maintenance of jet engines is mandatory.
- (2) Experience in testing of jet engines is desirable.

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d. Training. Completion of a basic jet engine 160-1 is mandatory, maintenance course is desirable.

e. Other:
(1) Normal color vision as defined in AFM

(2) A minimum aptitude level of Mechanical 40 is defined in AFM is mandatory.

a. General Spread:	Aircraft and Figure
Airman first-class through	Mechanic 621.281
staff sergeant 42652	Assembler, Aircraft Power
Airman first-class 42632	Plant 621.381
b. Related D.O.T. Jobs.	c. Related DOD Occupational Subgroup: 601

AIRCRAFT MAINTENANCE SPECIALIST

1. SPECIALTY SUMMARY

Inspects, repairs, maintains, services, and modifies aircraft and aircraft installed equipment; performs crew chief, flight chief, and maintenance staff functions; and performs tow reel operator functions.

2. DUTIES AND RESPONSIBILITIES

★a. Performs inspections, functional checks, and preventive maintenance on aircraft and aircraft installed equipment: Performs preflight, daily, and periodic inspections of aircraft structures, landing gear, engines, instruments, cockpits, cabins, flight surfaces, and controls. Inspects and performs functional checks on hydraulic, electrical, pressurization, lubrication, anti-icing, vacuum, induction, and exhaust systems, and installed equipment such as external tanks. tow reels, hoists, and APUs. Inspects aircraft components for cleanliness, alignment, proper clearance and operation, evidence of wear, cracks, and on looseness, using feeler gages, micrometers, tensiometers, and hand and special tools. Determines feasibility of retreading aircraft tires when specifically assigned to the aircraft tire repair function.

b. Repairs, maintains, and services aircraft and aircraft installed equipment: Determines and indicates actions to correct malfunctions as indicated on aircraft forms and clears forms. Cleans aircraft and engines using prescribed solvents or cleaning materials. Detects and removes corrosion and applies protective measures to prevent corrosion. Troubleshoots malfunctions pertaining to aircraft structures, landing gear, control surfaces, induction, ex-

haust, ventilation, and heating systems. Repairs damaged control surfaces and conducts detailed tests of repaired components using bench mockups and related test equipment. Removes and replaces items such as control surfaces, engines, wheels, brakes, tires, cowling, enclosures, hose, and tubing. Services oil, de-icing, fuel, hydraulic, and oxygen (includes liquid oxygen) systems. Tows, taxis, parks, and moors aircraft. Adjusts and maintains installed equipment such as tow targets, electrical windlasses, hydraulic reels, drive assemblies, electric motors, and gear trains, removing and replacing worn or inoperative parts and elements such as bearings, shear pins, level wind cams, cables, brake drums, and cable meters. Performs operator maintenance on aircraft installed auxiliary power unit. Interprets blueprints, diagrams, and applicable publications.

c. Inspects tow targets and preflights and operates target towing equipment: Inspects and loads target aboard aircraft in preparation for flight. Assembles and disassembles glider type target, using jigs, clinameters, and leveling devices. Preflights target towing equipment for kinked or broken cables, loose mounts, and other defects. Launches targets, plays out cable, and operates clutch and

brake. Performs minor adjustments and releases and replaces targets.

d. Performs flight chief and maintenance staff functions: Coordinates and adjusts individual daily maintenance plans to meet operational commitments for flight of aircraft. Supervises crew chiefs within his flight. Assures compliance with applicable requirements of the Maintenance Management System (AFM 66-1). Performs functions, as a member of the maintenance staff, as assigned to quality control, maintenance control, training, or analysis divisions.

e. Supervises aircrast maintenance personnel: Assigns maintenance and repair functions to subordinates and observes performance to insure compliance with applicable technical publications and local policy and procedures. Instructs subordinates in techniques of repair and maintenance of aircrast and related equipment and in use of diagrams, blueprints, and technical publications. Accomplishes maintenance and exception time accounting documentation. Conducts on-the-job training.

3. SPECIALTY QUALIFICATIONS

a. Knowledge:

- (1) Knowledge of electrical, hydraulic, and mechanical principles as applied to aircraft; theory of flight; concepts and application of AFM 66-1, Maintenance Management System; maintenance and manhour reporting; and use of blueprints, diagrams, and technical publications is mandatory. Possession of mandatory knowledge will be determined in accordance with AFM 35-1.
- (2) Knowledge of supply procedures is desirable.
- b. Education: Completion of high school is desirable.
 - c. Experience:
 - (1) Experience in functions such as re-

pair and maintenance of aircraft and related installed and ground support equipment is mandatory.

- (2) Experience in functions such as performing or supervising aircraft inspections and in performing tow reel operator functions is desirable.
- d. Training: Completion of basic aircraft maintenance course is desirable.
 - e. Other:
- (1) Normal color vision as defined in AFM 160-1 is mandatory.
- ★(2) A minimum aptitude level of Mechanical 50 or Electronic 50 is mandatory.

4. SPECIALTY DATA

a. Grade Spread:	Airplane Mechanic621.281
Sergeant and	Tire and Tube Repairman915.884
staff sergeant43151	Tire Repairman915.884
Airman first class43131	c. Related DOD Occuptioanal Subgroup:
b. Related D.O.T. Jobs:	600

5. *SPECIALTY SHREDOUTS

Suffix	Portion of AFS to Which Related
Å	Reciprocating Engine Aircraft
C	Jet Aircraft One and Two Engines
E	Jet Aircraft Over Two Engines
F	Turbo-Prop Aircraft
	·

AFSC 53154 Semiskilled AFSC 53134

AIRMAN AIR FORCE SPECIALTY

CORROSION CONTROL SPECIALIST

1. SPECIALTY SUMMARY

Identifies corrosion, and applies appropriate preservative treatment to metal surfaces of missile, aircraft, and support systems equipment to meet requirements for preservation, eliminate deterioration, and effect corrosion control.

2. DUTIES AND RESPONSIBILITIES

- •a. Identifies metal corrosion. Performs necessary testing to identify type corrosion present by examination with magnifying equipment, and chemical and mechanical checks. Identifies type metal corroded to insure proper corrosion treatment procedures are sued. Determines metal identity by use of technical publications and by subjecting to chemical and mechanical tests.
- b. Removes corrosion. Removes corrosion by mechanical and chemical procedures to include use of portable powered (electric and pneumatic) sanders, buffers, brushes, sand blasters, vacuum blasters, vacuum cleaners, scrapers, and grinders, handtools such as acrapers, wire brushes, sand paper, steel and aluminum wool, files, paint removers, acids, caustics, solvents, alcohols, and other agents used in corrosion control processes.
- c. Treats and cleans metals. Treats metal with chemical procedures to protect metal from oxidation, to include use of acids and caustics for passivation and etching, and performs functions such as pickling of metals to prepare metal for good bonding with primer coat of protective materials. Uses appropriate solutions for each type of metal to be treated.

- d. Applies protective: coatings. Applies protective coatings after proper removal of corrosion and treatment of metals. Uses conventional paint spray equipment, electrostatic spray equipment, brushes, pressurized paint cans, and special applicators when applying primers and surface coats.
- *e. Inspects and removes protective coatings. Inspects coatings visually and with use of optic and mechanical means for prescribed thickness, damage, deterioration, holidays, voids, and evidence of proper application. Removes coatings by use of manual and powered tools and chemicals.
- f. Operates and maintains equipment. Operates and maintains portable powered pneumatic and electric sanders, buffers, brushes, sand blasters, vacuum cleaners, vacuum blasters, scrapers, grinders, and sprayers (pneumatic and electrostatic), and special corresion detection and measuring equipment. Stores, disposes, and uses special materials for corrosion removal, treatment, and protection. Uses, blends, stores, and disposes of acids, caustics, alcohols, solvents, cleaners, primers, and surface coatings.
- g. Supervises corrosion control personnel. Schedules work assignments by priority and workload. Prepares reports. Conducts on-the-job training.

3. SPECIALTY QUALIFICATIONS

- a. Knowledge. Knowledge of characteristics of metals; metal identification; corrosion identification, corrosion removal; preparation and cleaning of metals; application of protective coatings, operation and maintenance of corrosion control equipment; mixing, storage, and use of acids, solvents, alcohols, caustics, primers, and paints; withnical orders and maintenance management is mandatory. I'ozession of mandatory knowledge will be determined according to AFR 35-1.
- **b.** Education. Completion of high school with courses in chemistry and physics is desirable.
- c. Experience. Experience in functions such as corrosion identification, corrosion removal, preparation and cleaning of metals, and application of coatings is mandatory.
- d. Training. Completion of a basic corrosion control course is desirable.
 - e. Other:
- (1) A minimum aptitude level of Mechanical is mandatory.
- (2) Normal color vision as defined in AFM 160-1 is mandatory.

A28-24 Effective 30 April 1978 AFM 39-1 Volume II(C23) Attachment 28 28 April 1976

a. Grade Spread:	b. Related D.O.T. Jobs:
Airman first-class through	Metal-Cleaner, Immersion 503.885
staff sergeant 53154	Painter, Aircraft 845.781
Airman first-class 53134	c. Related DOD Occupational Subgroup: 790

APPENDIX B

USAF JOB INVENTORY - AIRCRAFT MAINTENANCE CAREER LADDER

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UNITED STATES AIR FORCE JOB INVENTORY



AIRCRAFT MAINTENANCE CAREER LADDER

AFSCs 43131 A/C/E/F, 43151 A/C/E/F, 43171 A/C/E/F, AND 43191

AFPT 90-431-210 1 April 1976

OCCUPATIONAL SURVEY BRANCH
USAF OCCUPATIONAL MEASUREMENT CENTER
LACKLAND AFB TEXAS 78236

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CODING INSTRUCTIONS

Print the booklet copy numbers which you will find stamped in the upper right hand corner of the front cover in the coding box in the upper left hand side of the front cover and in the coding box on this page. After copying the numbers in the spaces at the bottom of the coding block, including all zeros, completely darken the circles containing the corresponding numbers.

GENERAL INSTRUCTIONS

- 1. Your assistance in completing this survey is very important to you and the Air Force. Your answers and the answers of other airmen completing this USAF Job Inventory will be used to develop:
 - a. Specialty descriptions for your career field.
 - b. Specialty training standards and resident training courses.
- c. Career development courses for upgrade training in your career field.
 - d. Specialty Knowledge Tests (SKTs).
- 2. To qualify for this survey, you must meet the following conditions.

YOU MUST HAVE:

- a. A duty AFSC of 43131 A/C/E/F, 43151 A/C/E/F, 43171 A/C/E/F or
- b. A duty AFSC of 43191 and be supervising 431X1 personnel.
- c. Held your duty AFSC for at least six weeks.
- d. Been working in your present job for at least eight weeks.
- 3. This USAF Inventory is in two sections:
- a. A Background Information section where you provide information about yourself, and
- b. A DUTY-TASK LIST section where you provide information about your current job.
- 4. In providing the information requested, it is equally important to follow the procedures given throughout the booklet. PRINT ALL WRITE-IN INFORMATION. DO NOT WRITE IN CLASSIFIED INFORMATION. DO NOT WRITE IN BASE OR APO NUMBER.

INSTRUCTIONS FOR BACKGROUND INFORMATION

Complete each item in the BACKGROUND INFORMATION section, pages iii through xi. Now turn to page iii and BEGIN.

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	DOO)	BACKGROUND INFORMATION	DATE (Uee	(Card 01: 5			
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	UNIT OR ORG	ANIZATION and) IF "OTHER UNIT" WRITE IN NAME					
TIME IN PRESENT JOB (Duty ensignment in present unit on current tour only)							
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YEARS (22-23) AND MONTHS (24-25							
TIME AT PRESENT HOME BASE OR INSTALLATION (On current tour only)							
L L							
			ARS 126 - 27	AND MONTHS (28 -			
TOTAL TIME	IM DUT! AFEC	(Add the times for all jobs, in all units, on all tours-in duty		7 			
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(6)	WHAT YEAR I	DO YOU PLAN TO	LEAVE THE AT	R FORCE	?				
	1 [] 1976	2 [] 1977	3 [] 1978	4 []	1979 !	5 [] 19	180 or 1 <i>0</i>	ster	
	I AM ASSIGN	NED TO A BASE O	R INSTALLATI	ON WHIC	H IS LO	CATED:			
(7)	[] INSIDE	THE CONTINENTA	L U.S. (CONU	IS or zo	ne of ti	ne inter	ior)		
(8)	[] OUTSIDE	E THE CONTINENT	AL U.S. ("Ov	erseas"): INC	UDES AL	.ASKA		
	HOW WERE YO	OU ASSIGNED TO	YOUR PRESENT	CAREER	LADDER	(Check	only one	ņ	
(9)	[] COMPLET	TING RESIDENT T	ECHNICAL TRA	\INING					
(10)	[] BEING F	RECLASSIFIED WI	THOUT COMPLE	TING TE	CHNICAL	TRAININ	IG OR OUT	Г	
(11)	(11) [] DIRECT DUTY ASSIGNMENT (DDA) FROM BASIC TRAINING TO OUT WITHOUT BYPASS TEST								
(12)	[] DDA FRO	OM BASIC TRAINI	NG BY BYPASS	TEST					
(13)		CONVERTED FROM FICATION BOARD		SPECIALT	Y, WITH	OUT TRAI	NING BY		
714)	[] BEING F	RETRAINED FROM	ANOTHER SPEC	TALTY					,
(15)	[] REENLIS	STING AFTER PRI VICE	OR SERVICE I	N USAF,	OR FROM	4 ANOTHE	R BRANCH	4	
(16)	I WILL BE E	ELIGIBLE FOR RE	TIREMENT AT	THE END	OF MY	CURRENT	ENL 1 STM	ENT:	
	[] YES	[] NO							,
(17)	I WILL BE E	ELIGIBLE TO REE	NLIST AT THE	END OF	MY CUR	RENT ENL	ISTMENT:	:	
	[] YES	[] NO	ı						
(18)	I PLAN TO F	REENLIST:							-
1	[] NO			3 []	UNCERTA	IN, PROE	ABLY YES	3	
2	[] UNCERT	AIN, PROBABLY N	0	4 []	YES				

		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	BACKGROUND) INFORMATION	(CONTINUED) (CARD 03: 19-25)
1	[]	EXTREMELY DULL		5 []	FAIRLY INTERESTING
2	[]	VERY DULL		6 []	VERY INTERESTING
3	[]	FAIRLY DULL		7 []	EXTREMELY INTERESTING
4	[]	SO-SO			
(20)	MY .	JOB UTILIZES MY	TALENTS:		
1	[]	NOT AT ALL		5 []	VERY WELL
2	[]	VERY LITTLE		6 []	EXCELLENTLY
3	[]	FAIRLY WELL		7 []	PERFECTLY
4	[]	QUITE WELL			
(21)	MY .	JOB UTILIZES MY	TRAINING:		
1	[]	NOT AT ALL		5 []	VERY WELL
2	[]	VERY LITTLE		6 []	EXCELLENTLY
3	[]	FAIRLY WELL		7 []	PERFECTLY
4	[]	QUITE WELL			
(22)	ARE THE	YOU COMPLETING CBPO OCCUPATION	THIS USAF JO IAL SURVEY CO	B INVENTORY LINTROL OFFICER	UNDER DIRECT SUPERVISION OF R?
	[]	YES	[] NO		
(23)	ARE	YOU COMPLETING	THIS USAF JO	B INVENTORY	AT YOUR HOME OR BARRACKS?
	[]	YES	[] NO		
(24)	ARE WHI	YOU COMPLETING CH YOU WORK?	THIS USAF JO	B INVENTORY A	AT THE ORGANIZATION AT
	[]	YES	[] NO		
(25)	HAVI TO	E THE INSTRUCTION	INS FOR COMPL	ETING THIS SU	URVEY BEEN READ OR EXPLAINED
	[]	YES	[] NO	01	

(Continued next page)

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l .		(C)			-		
Θa	∞	BACKGROUND INFORMATION (CONTINUED)					
					-		
ab a	DŒ	@ @			-		
000					(CARD 03: 26-54)		
(26)	HAV	YOU COMPLETED ANY COURSES	APPLICABLE	TO 1	YOUR CAREER LADDER?		
	[]	YES [] NO			:		
	IF Y	YES, CHECK COURSES YOU HAVE O	COMPLETED:				
(27)	[]	AIRCRAFT MAINTENANCE SPECIAL 3ABR43131C-1	IST, JET	AIRCE	RAFT, ONE AND TWO ENGINE -		
(28)	[]	ATRCRAFT MAINTENANCE SPECIAL	IST, JET	OVER	TWO ENGINES - 3ABR43131E		
(29)	[]	AIRCRAFT MAINTENANCE SPECIAL 3ABR43131A	IST, RECI	PROCA	ATING ENGINE AIRCRAFT -		
(30)	[]	AIRCRAFT MAINTENANCE SPECIAL	IST, TURB	OPRO	P AIRCRAFT - 3ABR43131F		
(31)	[]	AIRCRAFT MAINTENANCE TECHNIC	CIAN - 3AB	R4317	71		
(32)	[]	WEIGHT AND BALANCE - 3AZR43	171-2		•		
(33)	ARE	YOU ASSIGNED TO AN AIRCRAFT	MAINTENAN	CE FI	UNCTION?		
	[]	YES [] NO			:		
	IF '	YES, CHECK MAINTENANCE FUNCT	ION TO WHI	CH Y	DU ARE ASSIGNED:		
(34)	[]	AIRCRAFT REPAIR AND RECLAMA (APR)	TION (45)	[]	QUALITY CONTROL		
(35)	[]	ALERT BRANCH	(46)	[]	RECORDS AND REPORTS		
(36)	[]	BASE AND TRANSIENT MAINTENA	NCE (47)	[]	SCHEDULED MAINTENANCE		
(37)	[]	CORROSION CONTROL	(48)	[]	SERVICING BRANCH		
(38)	[]	DOCK INSPECTION	(49)	[]	SUPPLY		
(39)	[]	FIELD MAINTENANCE SUPERINTE	NDENT (50)	[]	TECHNICAL TRAINING		
(40)	[]	FLIGHT LINE MAINTENANCE	(51)	[]	TOW TARGET SYSTEMS MAINTENANCE		
(41)	[]	FLIGHT MECHANIC	(52)	[]	TRAINING AND STANDARDIZATION		
(42)	[]	MAINTENANCE CONTROL	(53)	[]	TRAINING CONTROL		
(43)	[]	MAINTENANCE STANDARDIZATION	(54)	[]	OTHER (PLEASE SPECIFY ON BLANK PAGES AT END OF BOOKLET.)		
(44)	[]	NON-POWERED AGE MAINTENANCE		60	I AGES AT END OF DOUNCET.		

			ACKGROUND INFORM		(CARD 03:55-73) (CARD 04: 5-11)
	(55)] NO	or int	FOLLOWING POSITIONS?
		IF YES, CHECK FUNCT	-		
_	1551	[] MOBILITY NCO	(58)	ר) דבי	CHNICAL ORDER MONITOR
	(56)	[] GROUND SAFETY N			
	(57)	() GROUND SAFETY IN	(59)	נאו נן	AINING NCO
		AT WHAT LEVEL DO YO	U PERFORM THE AB	OVE LIST	TED FUNCTIONS?
	(60)	[] ORGANIZATIONAL	MAINTENANCE	(62) (] INTERMEDIATE MAINTENANCE
	(61)	[] FIELD MAINTENAN	CE	(63)	DEPOT MAINTENANCE
	(64)		סא [
	(65)	IF YES, CHECK INSPE			
	(65)	[] COMMAND IG	(67)		MAND SAFETY TEAMS
	(66)	[] USAF IG (RMI)	(88)	[] M.S	5. E. 1.
	(69)	DO YOU USE AEROSPAC	E GROUND EQUIPME	NT IN YO	DUR PRESENT ASSIGNMENT?
		[] YES [] NO		
		IF YES, CHECK GROUN	O EQUIPMENT YOU	USE:	
		AIR COMPRESSORS		AUXILIA	ARY ELECTRICAL POWER UNITS
	(70)	[] M8-8	(6)	[] C-2	22
	(71)	[] MB-9	(7)	[] c-2	26
	(72)	[] MC-1	(8)	[] MD:	3
	(73)	[] MC-1A	(9)	[] M32	2A-13
	(5)	[] MC-ZA	(10)	[] M3	2A60
			(11)	[] NF-	-2
-			69		(Continued next page)

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	ВОМ	B HOISTS	(30)	[]	F-4
(12)	[]	BOMB HOIST	(31)	[]	H-1
(13)	[]	MJ-1 BOMB LIFT		TOW	ING VEHICLES
	GAS	TURBINE COMPRESSORS	(32)	[]	CLARK TUG
(14)	[]	MA-1A	(33)	[]	COLEMAN
(15)	[]	MA-2	(34)	[]	EUCLAD
	GRO	UND AIR CONDITIONING UNITS	(35)	[]	FEDERAL
(16)	[]	A-3	(36)	[]	LOW BOY
(17)	[]	MA-1	(37)	[]	WHEEL MOVER
(81,	[]	MA-3		POR	TABLE FIELD LIGHTING EQUIPMENT
	HYDI	RAULIC TEST STANDS	(38)	[]	NF-1
(19)	[]	HYDRAULIC SERVICING CART	(39)	[]	NF-2 LITE ALL
(20)	[]	D-5	(40)	[]	B-1
(21)	[]	D-6	(41)	[]	B-9
(22)	[]	MJ-2A		MIS	CELLANEOUS EQUIPMENT
(23)	[]	MK-3A	(42)	[]	CABIN PRESSURE TESTERS
(24)	[]	MB-3 DE-ICER TRUCK	(43)	[]	MB-4
(25)	[]	TTU-28	(44)	[]	WATER SERVICING CARTS
	OXY	GEN AND NITROGEN SERVICING UNITS	(45)	[]	OTHER (PLEASE SPECIFY ON BLANK PAGES AT END OF BOOKLET.)
(26)	[]	GASEOUS OXYGEN (HIGH & LOW)			PAGES AT END OF BOOKEET.
(27)	[]	GASEOUS NITROGEN			
(28)	[]	LIQUID OXYGEN (LOX)			
	PORT	TABLE GROUND HEATERS AND BLOWERS			
(29)	[]	BT-400		70	
					(Continued next page)

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BACKGROUND INFORMATION (CONTINUED)

(CARD 04: 46-73) (CARD 05: 5-40)

(46)	00	YOU	WORK	WITH	ANY	0F	THE	FOLLOWING	AIRCRAFT?
------	----	-----	------	------	-----	----	-----	-----------	-----------

[] YES

[] NO

IF YES, INDICATE THE AIRCRAFT YOU WORK ON:

(47) [] A-1

(68) [] C-7

(20) [] CH-3

[] A-7D (48)

(69) [] C-9

(21) [] CH-53

(49) [] A-10

(70) [] C-10

(22) [] DC-130

(50) [] A-37

(71) [] C-47

(23) [] EB-57B

(51) [] AC-47

(72) [] C-54

(24) [] EB-57C

(52) [] AC-119G

(73) [] C-97

(25) [] EB-57E

(53) [] AC-119K

(5) [] C-118 (6) [] C-119

(26) [] EB-57G (27) [] EB-66

(54) [] AC-130A (55) [] AC-130E

(7) [] C-121

(28) [] EC-47

(56) [] B-1

(8) [] C-123

(29) [] EC-121D

(57) [] B-52C

(9) [] C-124

(30) [] EC-121R

(58) [] B-52D

(10) [] C-130A (11) [] C-130B

(31) [] EC-121T

(59) [] B-52E

(32) [] EC-135

(60) [] B-52F

(12) [] C-130D

(33) [] F-4C

(61) [] B-52G

(13) [] C-130E

(34) [] F-4D

(62) [] B-52H

(14) [] C-131

(35) [] F-4E

(63) [] B-57B

(15) [] C-133

(36) [] F-5

(64) [] B-57C

(16) [] C-135

(37) [] F-15

(65) [] B-57E

(17) [] C-137

(38) [] F-16

(66) [] B-57G

(18) [] C-140

(39) [] F-100

(67) [] C-5

(19) [] C-141

(40) [] F-101B

		00 00 00 00 00 00 00 00 00 00			1NFORMATIC			(CARD 05: 41-73) (CARD 06: 5-23)
(41)		F-101F *	(65)	[]	QU-22B	(20)	[]	UH-1P
		F-102	(66)	[]	RB-66	(21)	[]	VC-6A
	••	F-104A	(67)	[]	RC-130	(22)	[]	WB-57F
	_	F-104G	(68)	[]	RC-135	(23)	[]	OTHER (PLEASE SPECIFY ON BLANK PAGES AT END
		F-105	(69)	[]	SR-71			OF BOOKLET.)
		F-106A	(70)	[]	TH-1D			
		F~106B	(71)	[]	TH-1F			
	-	F-111A	(72)	[]	TH-IN			
		F-1110	(73)	[]	TH-IP			
		F-111E	(5)	[]	T-28			•
		F-111F	(6)	[]	T-29			
	[]	FB-111	(7)	[]	T-33			•
	[]	HC-130H	(8)	[]	T-34			•
	[]	HC-130N	(9)	[]	T-37			•
	[]	HC-130P	(10)	[]	T-38			•
	[]	HH-53	(11)	[]	T-39			
	[]	JC-130B	(12)	[]	T-43			•
	[]	JC-130H	(13)	[]	TF-102			•
	[]	JC-130P	(14)	[]	U-2			•
		KC-135	(15)	[]	U-6			-
	[]	L-28	(16)	[]	U-10			
(62)	[]	0-1	(17)	[]	UH-1D			
(63)	[]	0V-10	(18)	[]	UH-1F			•
(64)	[]	OV-10A	(19)	[]	UH-1N 7	2		
								(Continued next page)

	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	BACKGROUND INFORMATIONS DESCRIPTION	ON	(co	NTINUED) (CARD 06: 24-47)
•	(24)	DO YOU PERFORM SCHEDULED AIRCRAFT INSPE	CTI	ONS	?
		[] YES [] NO			
		IF YES, CHECK THE SCHEDULED AIRCRAFT IN	SPE	CTI	ONS THAT YOU PERFORM:
	(25)	[] ACCEPTANCE INSPECTIONS (3))	[]	POSTFLIGHT INSPECTIONS
	(26)	[] FOREIGN OBJECT DAMAGE (FOD) (32 INSPECTIONS	:)	[]	PREFLIGHT INSPECTIONS
	(27)		;)	[]	SPECIAL INSPECTIONS
	(28)	[] ISOCHRONAL INSPECTIONS (34)	[]	THRUFLIGHT INSPECTIONS
	(29)	[] PERIODIC INSPECTIONS (35)	[]	OTHER (PLEASE SPECIFY ON BLANK PAGES AT END OF BOOKLET.)
	(30)	[] PHASED INSPECTIONS			THOUS AT END OF DOOREET.
	(36)	DO YOU CURRENTLY POSSESS THE 43191 AFSO	?		
		[] YES [] NO			
		IF YES, COMPLETE THE FOLLOWING QUESTION			
		FROM WHICH SHRED DID YOU PROGRESS TO TH	E 9	SK	ILL LEVEL?
	(37)	[] 431X1A (39) [] 431X1E			
	(38)	[] 431X1C (40) [] 431X1F			
	(41)	DO YOU HAVE SUBORDINATE SUPERVISORS REF	ORT	ING	DIRECTLY TO YOU?
		[] YES [] NO			
		IF YES, ANSWER THE FOLLOWING QUESTION.			
		HOW MANY TOTAL PERSONNEL DO YOU SUPERVI AND THEIR SUBORDINATES?	SE	INC	LUDING SUBORDINATE SUPERVISORS
	(42)	[] 1-10 (45) [] 31-40			
	(43)	[] 11-20 (46) [] 41-50			
	(44)	[] 21-30 (47) [] OVER 50			

<u> </u>
BBBBB

READ THIS PAGE BEFORE GOING FURTHER

Have you completed the Background Information Section? Make sure, before you continue with this procedure.

PROCEDURE A. CHECKING TASKS OF PRESENT JOB

- 1. As you read each task in the Duty-Task section, pages 1 through 46 place a check beside each task that you perform in your present job. Put your check mark in the column headed "Check-If Done Now." When you have reached page 46, follow the arrow for your next instructions.
- 2. DO NOT COMPLETE THE RIGHT-HAND COLUMN AT THIS TIME.
- 3. If a task that you perform is not listed anywhere in the entire list, write it on page 47 or 48, but do not add tasks that are classified.
- 4. Do not confuse work you do yourself with work you supervise.
- 5. Remember, at this time you are to complete only the column headed "Check-If Done Now" for pages 1 through 46. Now, turn to page 1 and BEGIN.

PROCEDURE B. RATING TIME SPENT ON TASKS ON PRESENT JOB

- 1. Have you checked each task that you perform in your present job? Make sure, before you continue with this procedure.
- 2. Now you are to rate the relative amount of time you spend performing each task in your present job. Relative time spent means the total time you spend doing the task compared with the time you spend on each of the other tasks of your present job.
- 3. Use a rating of "1" if you spend a "very small amount" of time on a task. Use a rating of "2" for "much below average" time, and so on, up to a rating of "9" if you spend a "very large amount" of time on the task.
- 4. Remember, you are to rate \underline{only} tasks that you have already checked in the first column of pages 1 through 46.
- 5. Place your rating, according to the 9-point scale, in the right-hand column headed "Time Spent Present Job" by blackening the appropriate circle. Caution: <u>COMPLETELY</u> fill in the circle you have chosen, but do <u>NOT</u> overlap into other circles on the same line.
- 6. When you have completed all your ratings in the right-hand column of pages 1 through 46, you will have completed this USAF Job Inventory and you may turn it in to your Occupational Survey Control Officer.
- 7. Now, turn to page 1 and BEGIN your ratings for the right-hand column.

00000	DD 1. Check teaks you perform new (A.	1	
	2. On the back of the book, write in any uniform tasks which you do now	Check	TIME SPENT
0000	3. In the "Time Spent" column, rate all checked (A tasks on time spent	L	Present Job
0000	in present job.		
0000		1	Very small amount. Much below average.
0000	AECC ASIVI	1 1	3. Below average.
		IF.	4. Slightly below sverege
	<u> </u>	DONE	1. About average.
	TA (IRGANI/ING ANI) DIANNING	NOW	4. Slightly there everege.
	DCD W SUGARIZZING AND CAMMING	""	7. Above average.
00000		i	8. Much above sverage. 9. Very large amount.
		I	TOTAL SELECTION
1 1 1	1 1	1	
1. Analy	ze reports or maintenance plans		ದಿರುವಾರು ಎಂದು
2. Assig	n personnel to duty positions	 	
3. Assig	n space for equipment or supplies	 	000000000
1. Coord	inate with maintenance personnel or job control for	ļ	ΦΦΦΦΦΦΦΦΦΦ
avai	lability of specialists or equipment, tools, or parts	L	
faci	inate with other activities on availability of lities		000000000
or c	inate work activities with maintenance specialists ther personnel or agencies		೦೦೦೦೦೦೦೦೦೦
7. Deter	mine facilities for work functions		COOCOCCO
8. Devel	op mobility plans		ಧರಾತಾತ್ರಾತ್ರಾತ್ರಾತ್ರಿ
9. Devel	op or improve work methods and procedures		000000000
lett	lish Air Force regulations, manuals, pamphlets, or er files		೦೦೦೦೦೦೦೦೦೦
11. Estab	lish corrosion control programs		ರಾವರಾವವಾದ್ದಾರ್ಥ ರಾವರಾವವಾದ್ದಾರ್ಥ
12. Estat	lish maintenance controls		೦೦೦೦೦೦೦೦೦
13. Estat	lish performance standards		೦೦೦೦೦೦೦೦೦
14. Estat equi	lish required level of supplies, special tools, test pment, or parts other than bench stock		000000000
15. Estat inst	lish requirement for section directives, office ructions, or standing operating procedures		೦೦೦೦೦೦೦೦೦
16. Estat	lish technical order (TO) publication files		000000000
17. Estab	lish work methods		0000000000
subc	pret maintenance policies or directives for rdinates		000000000
19. Maint list	ain property custodian authorization/custody receiptings (CACRL)		೦೦೦೦೦೦೦೦೦೦
20. Plan	contingency programs		രമായ വരായ വരായ വ
21. Plan	maintenance deficiency analysis programs		೦೦೦೦೦೦೦೦೦
22. Plan	maintenance or inspections of aircraft		೦೦೦೦೦೦೦೦೦
23. Plan	or prepare functional charts		೦೦೦೦೦೦೦೦೦
24. Plan	or prepare status boards	 	೦೦೦೦೦೦೦೦೦
	·	Contin	<u> </u>

1 Cherk tasks you perform now (// 2 On the back of the hook, write in any unlisted tasks which you do now 3 In the "Time Spant" column, rate all therked (/) tasks on time spant	Check	TIME SPENT Present Job
AFSC 431X1 A. ORGANIZING AND PLANNING (CONTINUED)	J IF DONE NOW	1. Very small amount 2. Much below everage. 3. Below everage. 4. Slightly below everage. 5. About everage. 7. Above everage. 9. Much above everage. 9. Very large amount.
25. Plan or prepare unit orientation programs		ക്കാരത്തെക്കാ
26. Plan or schedule leaves or passes		<u> </u>
27. Plan or schedule work assignments		ರಾವಾರಾರಾಧ್ಯಾಥ
28. Plan safety programs		೦ಥರ್ಥಥಾರ್ಥ
29. Plan security programs		೦ಥಹಾತ್ರಹಾತ್ರಹಾತ್ರ
30. Plan unit training programs		programma
31. Plan utilization of equipment		000000000
32. Prepare input to mobility plans		COCOCTOTO
33. Prepare justifications for test equipment, special tools, or bench stock		ODDOORCE
NOTE: If any task you perform under this duty is not listed, write it on page 47 or 48		೦೦೦೦೦೦೦೦೦೦
l write it an juge 47 br 40		0000000011
		0000000000
B. DIRECTING AND IMPLEMENTING		0000000000
		000000000000000000000000000000000000000
	1	000000000
Adjust daily maintenance plans to meet operational commitments for aircraft	1	0000000000
2. Advise subordinates on resolution of problems	7	೦ಥಾಥಾಥಾಥಾಥಾಥ
3. Compile information for reports or staff studies		0000000000
4. Counsel personnel on personal or military related problems		೦ಥಿಥಿಥಿಥಿಥಿಥಿಥಿಥಿಥಿಥಿಥಿಥಿಥಿಥಿಥಿಥಿಥಿಥಿಥಿ
5. Direct aircraft inspection activities		000000000
6. Direct inspection programs		000000000
7. Direct maintenance data collection (MDC) programs		രമാരമാമാമ മ
8. Direct maintenance of facilities		000000000
 Direct maintenance or utilization of equipment, supplies, or work space 		0000000000
CODE 80	(Conti	nued next page)

1. Check tasks you parterm new (A). 2. On the back of the book, write in any unitered tasks which you do new. 3. In the "Time Spent" column, rate oil checked (A) tasks on time spent	Check	TIME SPENT Present Job
In the "Time Spent" column, rate all checked (7) tasks on time spent in present job.		1. Very small amount, 2. Much below averses,
COCOCOCO AFSC 431X1	IF DONE	3. Below average. 4. Slightly below average. 5. About average.
B. DIRECTING AND IMPLEMENTING (CONTINUED)	NOW	5. Slightly above average. 7. Above average. 8. Much above average. 9. Very large amount.
10. Direct subordinates in maintaining security standards or procedures		ാമതരതതതതത
11. Direct subordinates in maintaining work performance		മെത്തെത്തെ
12. Direct unit safety programs		0000000000
13. Direct utilization of technical publications in maintaining aircraft		്മാർ ആരു ആരു ആരു
14. Draft changes to job descriptions		©©©©©©©©©
15. Draft correspondence or reports		ാമരമേരമെ
16. Implement aircraft weight and balance programs		്മർമർമർമ മമ
17. Implement mobility plans		ാമത്തെത്തെത്ത
18. Interpret maintenance procedures on repair of aircraft or related equipment		ാമമത്തെമെത്ത
19. Maintain status boards		೦೦೦೦೦೦೦೦೦೦
2u. Orient newly assigned personnel		C000000000
 Prepare request for changes to equipment authorization lists 		ാമമായമായമായമാ
22. Prepare Maintenance Preplan forms (AF Form 2406)		೦೦೦೦೦೦೦೦೦೦
23. Prepare replies to inspection reports		ഠമമമാമാരാവര
24, Prepare unit inspection reports or charts		ഠാമമാമമാമമ
25. Supervise Aircraft Maintenance Specialists (43151)		ഠാരശാരായാത
26. Supervise Aircraft Maintenance Technicians (43171)		്മാത്യാത്യത്ത
27. Supervise Apprentice Aircraft Maintenance Specialists (43131)		ാ താരത്തെത്ത
28. Supervise civilian aircraft maintenance personnel		ാരാരാരാരാരാര
NOTE: If any task you perform under this duty is not listed, write it on page 47 or 48.		രമാരാമമമയാ
		രഗത്തത്തെത്ത
		്യാത്യാത്താ
		ാമാരാമാരാവ
		ഠമത്തെയ്യാത്ത

00000 00000 00000	1. Check tasks you perform now (\(\), 2. On the back of the back, write in any unlisted tasks which you do now, 3. In the "Time Spont" column, rate all checked (\(\) tasks be time	Check	TIME SPENT Present Job
000000 000000 000000 000000 000000	spool to present job. AFSC 431X1 C. INSPECTING AND EVALUATING	IF DONE MOW	1. Vory small amount, 2. Much below average, 3. Below average, 4. Slightly below average, 5. About average, 6. Slightly above average, 7. Above average, 8. Much above average, 9. Vory large amount,
parts	is of repairable, serviceable, or condemned		ക്കാരത്തെയാ
2. Edit or revie	w correspondence or reports		നമായത്തെയാ
	rosion control programs		രമാതത്തെത്തെ
(SF Form 368	·		ക്കാരത്തെയാ
5. Evaluate sugg	gestions		നമാമതാമതായാ
Reports and	nnical Order System Publication Improvement Reply forms (AFTO Form 22)		0000000000
7. Evaluate trai	ning programs		ക്കാരത്തെയാ
8. Evaluate unit	safety practices or procedures	! 	©
9. Evaluate unit	security practices or procedures		മമമമമമമമ മ
10. Evaluate use	of work space, equipment, or supplies		0000000000
11. Evaluate work	performance of military personnel		ക്കാരത്തെന്നു
112. Inspect work	performed by subordinates		
13. Inspect maint	enance equipment		നമ്പരത്തന്നെത്ത
14. Inspect work	areas		000000000
15. Perform QC te	ecnnical inspections		നമ്പാരത്തെ വരുത
To. Prepare recom	mendations for change to training programs		നമാ യത്തെയായത
17. Review aircra	ft records or maintenance forms		<i><u>ФФФФФФФФФФ</u></i>
2406)	otate Maintenance Preplan forms (AF Form		© © © © © © © © © © © © ©
,	ty Monitor Reports (PRM D-18)		ക്കാരത്തെയുന്നു
NOTE: If any task write it o	you perform under this duty is not listed, on page 47 or 48.		<i><u></u></i>
		}	നമാരത്തെയായ
			രമ്പരത്തെ യമാക്ക
			റമാരവരവരവാ
			ക്കാനത്തെന്നു

000000	1. Check tasks you perform now (I). 2. On the back of the book, write in any unlisted tasks which you do now. 3. In the "Yime Spent" column, rate oil checked (I) tasks on time spent in present job.	Check	TIME SPENT Present Job
######################################	D. TRAINING	IF DONE NOW	1. Very small amount. 2. Much below average. 3. Selow average. 4. Slightly below average. 5. About average. 6. Slightly above average. 7. Above average. 8. Much above average. 9. Very large amount.
 Administer or 	al, written, or performance tests		നമായത്തനായ
2. Conduct class	room training		000000000
Conduct lecture	ires or briefings		0000000000
4. Conduct on-th	ne-job training (OJT)		೦೦೦೦೦೦೦೦೦
5. Conduct or at	tend conferences		000000000
6. Develop OJT m	naterials		0000000000
7. Develop profi	ciency tests		0000000000
8. Direct OJT pr	ugrams		000000000
9. Evaluate or r	review Specialty Training Standards (STS)		Cococccc
10. Initiate requ	est for training aids, classrooms, or		೦೦೦೦೦೦೦೦೦೦
	Proficiency Guides (JPG) or JPG Continuation		COCCOCCIO
12. Prepare reque	ests for career development course (CDC)		೦೦೦೦೦೦೦೦೦
13. Review traini	ng progress of individuals		0000000011
14. Select indivi	duals for specialized training courses		000000000
15. Select or ass	sign instructors or trainers		000303031
NOTE: If any task write it o	you perform under this duty is not listed, on page 47 or 48.	† 	000000000
			000000000
			000001211
	E. MAINTAINING FORMS AND RECORDS		000000000
			000000000
			000000000
1. Initiate or f (AF Form 359	forward Aerospace Vehicle Data Card forms		೦ಥಥಾಥಥಾಥಭಾಡ
2. Initiate or p Document for	post entries to Accessory Replacement ms (AFTO Form 781E)		তকর ইককতকর
3. Initiate or p	post entries to Aerospace Vehicle-Engine ((AFTO Form 781J)		ಾರ್ಥಾರ್ಥಾರ್ಥ

CODE 01, TYPE 1-9-8

(Continued next page)

	Check tasks vali perform new I/A. On the back of the hook, write in any unlisted tasks which you do now in the "Time Stient" culumn, rate all checked I/A tasks on time spans.	Check	TIME SPENT Present Job
######################################	AFSC 431X1 . MAINTAINING FORMS AND RECORDS (CONTINUED)	IF DONE NOW	1 Very small amount 2 Much below average 3. Below average 4. Slightly below aderage 5. About average 6. Slightly above average 7. Above average 8. Much above average 9. Very large amount
4. Initiate or pos Data Document	it entries to Aerospace Vehicle Flight forms (AFTO Form 781)		undrahahahahahah
5. Initiate or pos Report and Mai	st entries to Aerospace Vehicle Flight intenance Document forms (AFIO Form 781F)		araharaharahar
	st entries to Aerospace Vehicle Flight intenance Document forms (AFTO Form 781H)		arabararan b
7. Initiate or pos forms (AFTO Fo	st entries to acrospace vehicle inspection orm 281K)		charabararara
	st entries to aircraft historical records		and distribution of the second
Certification	st entries to Aircraft Inventory Record and Record of Transfers forms (DD Form 780-3)		estabababababa
Equipment List	st entries to Aircraft Inventory Record t forms (DD Form 780-1)		cranarar parararar
forms (DD Form	st entries to Aircraft Inventory Record n 780)		ാർ തന്ത്രത്തെന്നു
12. Initiate or pos Shortages for	st entries to Aircraft Inventory Record ns (DD Form 780-2)		oranananan eranan
	st entries to Airplane Weight Record		Carandianarana
14. Initiate or pos Load Status Do	st entries to Avionics Configuration and ocument forms (AFIO Form 7810)		andrahanahan s
15. Initiate or pos Inspection Doc	st entries to Calendar and Hourly Item cument forms (AFIO Form 781D)		ാമത്തെക്കുന്നു
16. Initiate or pos Checklist for	st entries to Chart A-Basic Weight ms (DD Form 365A)		odraverener inde
17. Initiate or pos Balance Record	st entries to Chart C-Basic Weight and d forms (DD Form 365C)		ordinardinardia ar
18. Initiate or por forms (AF Form	st entries to Equipment Discrepancies m 2421)		codidinalandicidia
19. Initiate or pos Classification	st entries to General Mission n-Mission Symbols forms (AFIO Form 281G)		undrahahahahahah
Initiate or pos forms (AFTO Fo	st entries to J/9 Engine Run Up Record		Caracacacacacacacacacacacacacacacacacaca
Initiate or por Work Document	st entries to Maintenance Discrepancy and forms (AF10 Form 781A)		andramental characteristics
	st entries to Nonpowered AGE Record forms		Catalananananan
instructe or po- Persones for	st entries to Record of Weight and Balance ms (DD Form 365)		ardraidraidraidraidraidraidraidraidraidr
e e chen se paga g nyama naga	st entries to Status Symbols and Functional Forms (AFTO Form 781M)	······································	andreamental
	of entries to Trainer/AGE Status and Green 443)		ंचे के कार्य कार्य कार्य क
•	t potries to Weight and Balance Clearance		രത്തതതതതത
	or ornel crew Evaluation Report		முகுக்கைக்க
	80	Contin	ued next page)

1. Cheek tests you perform new (/).	Check	TIME SPENT
3. On the back of the back, write in any unlisted tasks which you do now. 3. In the "Time Spent" column, rate all checked (A) tasks on time spent	ľ	Present Joo
in present job		
	1	1. Very small amount
COCOCIO AFSC 431X1	7 /	2. Much below sverage. 3. Below sverage,
	15	4. Sightly below average
COCOCOCO	DONE	3. About average.
	NOW	6. Slightly above average
COCOCOCO E. MAINTAINING FORMS AND RECORDS	1	7. Above average.
CONTINUED)	1	8. Much above average 9. Very tares amount.
28. Initiate or review Quality Control Inspection Summary forms (AF Form 2420)		ാമതനമരാവന
29. Initiate or review Routing and Review of Quality Control Reports forms (AF Form 2419)		ு மாக காக காக
30. Initiate or review Supply Control Log forms (AF Form 2413)	 	COCOCOCO
31. Initiate Technical Order System Publication Improvement		<u>೧</u> ೩೩೩೩೩೩೩೩೩೩೩೩
Reports and Reply forms (AFTO Form 22) 32. Initiate work orders by voice communications	-	ಾರ್ಥಾರ್ಥಾರ್ಥ
33. Maintain or file On-The-Job Training Record forms		ാർർക്കുക്കുകൾ
(AF Form 623) 34. Maintain standard Air Force publication files	- 	oppgaagaa
The The The Section 1 Total publication 11763		
The state of the s	<u> </u>	opparactor.
36. Prepare aircraft maintenance checksheets		Caramanana
37. Prepare Danger tag forms (AF Form 1492)		Oppresent
38. Prepare Issue/Turn-In Request forms (AF Form 2005)		
 Prepare Maintenance Data Collection Record forms (AFTO Form 349) 		COORDANA
40. Prepare Naval Aircraft Flight Records forms (OPNAV Form 3760-2)		COORDINATIONS
 Prepare Personnel Evaluation and Overall MSEP Points Computation forms (AF Form 2418) 		्रकेकचार केकचार
42. Prepare Quality Deficiency Report (Category II) forms (SF Form 368)		CONTRACTOR
43. Prepare Reparable Item Processing Tag forms (AFTO Form 350)		CADADADADA
44. Prepare Serviceable Tag-Materiel forms (DD Form 1574)		wasaaaaaa
45. Prepare Technical Inspection Points Computation forms (AF Form 2417)		COORDOODA
46. Prepare Temporary Issue Receipt forms (AF Form 1297)		connanana
47. Prepare Trainer/AGE Maintenance Record forms (AFTO Form 444)		ാമമത്ത്യക
48. Prepare Unserviceable (Condemned) Tag-Materiel forms (DD Form 1577)		் மாமாமாமா
49. Research or review aircraft maintenance checksheets		രമതതതതതത
50. Review or annotate Leave Request/Authorization forms (AF Form 988)		രത്തെത്തെത്ത
NOTE: If any task you perform under this duty is not listed, write it on page 47 or 48.		ായത്തിൽത്തിയ

1 Check tasks you perform now (/) 2 On the back of the book, write in any unlisted tasks which you do now. 3 In the "Time Spent" column, rate all checked (/) tasks on time spent	Chest	TIME SPENT Present Job
AFSC 431X1 AFSC 431X1 F. PERFORMING SUPPLY FUNCTIONS	J IF DONE NOW	1. Very small amount, 2. Much below overage, 3. Below average, 4. Slightly below average, 5. About average, 6. Slightly above average, 7. Above average, 8. Much above average, 9. Very large amount,
 Deliver equipment to precision measuring equipment laboratories (PMEL) 		നെ കരു കരു കരു ക രു കരു കരു കരു കരു കരു കരു കരു കരു കരു ക
2. Establish bench stock		ക്കാനന്തെന്നെ
3. Establish priority for requesting parts	1	ՓՓՓՓФФФФФ
4. Interpret due-in-from-maintenance (DIFM) listings		രമരത്തെയ
5. Inventory bench stock		നമയ യന്നയയ
0. Inventory tool crib equipment		ക്കാരസ്തന ്
7. Inventory war readiness spares kits (WRSK)	1	ರಾವಾರಾವಾರ್ಥ
a. Issue or receive tools		DDDDDDDDDD
5. Locate part numbers from illustrated parts breakdowns	1	Oppoposite
iio. Maintain supply logs		ವರ್ಥಥಾರ್ಥಾಗ
Order parts by voice communications		രമ്മത്തന്മെക്ക
Prepare DOD Single Line Item Release/Receipt Document forms (DD Form 1348M)		<u> ಹಿಂದಾರಿಯ </u>
is. Prepare quick reference lists for ordering parts		ԾԾԾԾԾ ԾԾԾ
Research quick reference lists for ordering parts	 	<u>ಹಾಹಾಹಾಹಾಹಾಸ</u> ಾ
75. Research supply publications		<u>ರಾಧಾರಾಧಾರಾಧ</u>
io. Review or annotate daily document registers	1	000000000
17. Sign for parts	1	৩০০০০ ০০০
Trace location of undelivered parts		postantan
19. Verify identification of parts		രമെയമയയയാ
MOTE: If any task you perform under this duty is not listed, write it on page 47 or 48.		DODOGOGG
		ODDODO DO
		oppoparana
	1	
		മെമരത്തെ ക്കാക്ക

1. Check tasks you perform no 2 On the back of the book, we 3. In the "Time Spent" column	ow (A). Pite in any unlisted tasks which you do new, In, rate all checked (A) tasks on time spent	Check	TIME SPENT Present Job
GGGGGG in present lob			
	i i	J	Vory small amount. Much below everage Below everage. Slightly below everage.
mmmm		DONE	5. About svorage, 6. Slightly above avorage 7. Above svorage, 8. Much above svorage 9. Very large amount,
1. Adjust aircraft access doors or	hatches		©©©©©©©© ©
2. Adjust aircraft door linkage or	latching mechanisms		മെത്തെത്തെത്
3. Adjust air deflector doors			©©©©©©©©
4. Adjust ammunition hoist cables			00000000
5. Adjust bomb bay doors			©©©©©©©©
6. Adjust canopy latch mechanisms			ΦΦΦ©ΦΦΦΦΦ
7. Adjust crewmember seat locking	mechanisms		ΦΦΦΦΦΦΦΦΦ
8. Adjust dragchute system compone	nts		00000000
Apply sealing compounds to airc panels or windshields	raft components such as		OOOOOOO
10. Brighten aircraft surfaces			000000000
 Clean external surfaces of airc surfaces 			©©©©©©© ©
12. Clean interior of aircraft such cargo compartments			000000000
13. Clean transparent surfaces such			00000000
14. Drain ARC-96 antenna hydraulic	motor spill reserviors		ΦΦΦΦΦΦΦΦΦ
15. Drain water from cockpits			000000000
16. Drain water from pitot static s			@@@@@@ @@
17. Energize or deenergize circuit			000000000
18. Evaluate performance of new or			\(\phi\) \(\
	(UR) results		00000000
			00000000
	<u> </u>		00000000
			000000000
			000000000
24. Inspect aircraft emergency tool	s		0000000000

DODOOO 12. On the back	you perform now (d). I of the book, write in any unlisted tesks which you do now to Spant" column, rate all checked (d) tasks on time spant	Check	TIME SPENY Present Job
(CO	AFSC 431X1 ORMING GENERAL AIRCRAFT MAINTENANCE NTINUED)	IF DONE NOW	1. Very small amount 2. Much below average 3. Below average 4. Slightly below average 5. About average 6. Slightly above average 7. Above average 8. Much above average, 9. Very large amount.
25. Inspect aircraft panel	S		ംമത്തെയെത്തെ
26. Inspect aircraft windo	ws or windshields		ാമമരമമമമമ
27. Inspect airframe for s			anananana
28. Inspect ammunition hoi	st cables		<u>ാമയത്തയത്തെ</u>
29. Inspect assist-type ta	keoff (ATO) racks		<u>୍ରଦଦ୍ୱରଦ୍ୱରଦ୍ୱଦ୍ୱ</u>
30. Inspect bilge pumps			©
31. Inspect dragchute syst	ems		<u>രമാരമാമാരാവ</u>
32. Inspect instrument mar	kings		ക്കാരത്തന് കാരന
33. Inspect life raft stow	vage .		ക്കാരമരമരുന്ന
34. Inspect portable fire	extinguishers		<u>ಂ</u> ಹರಾತ್ರಾಥವಾಗ್ರಾ
35. Inspect relief facilit	ies		മെമെമെമെയ ന്ന
36. Inspect seats, seatbe	ts. inertial reels, or shoulder		© Ф Ф Ф Ф Ф Ф Ф Ф Ф
37. Inspect sextant mounts			
38. Install or remove life	e rafts		
39. Load or unload aircra	ft explosive cartridges		
40. Load or unload aircra	ft munitions		ക്കാരത്തെയാ
41. Load or unload cameras	or other pods		
42. Load or unload cargo			ക്കാനത്തെയാ
43. Lubricate cargo or box	nb doors		ФФФФФФФФФ
44. Lubricate seat adjustr	ment rails		Ծ ԾԾԾԾԾԾԾԾ
45. Operate expedite vehic	cles		ക്കാരത്തന് ക്കുക
46. Operationally check a	ircraft doors		മ മമമമമയയമ
47. Operationally check a	ircraft hoists		രത്തെത്തതത്ത
48. Operationally check co	anopy systems		തമത്തെത്തെ
CODE 99	DA .	(Contir	nued next page)

	 	
1. Cheek tests you perform now (A. 2. On the bests of the beet, write in any unitered tests whi	Check	TIME SPENT
3. In the "Time Spent" column, rate all checked I/) tasks of	th you do now.	Present Job
COCOCO In present jee.		
	l	1. Very small amount.
AFSC 4	3111	2. Much below sverage.
	18	J. Below Sverage,
		4. Slightly below average. 5. About average.
	DONE	6. Slightly above average.
G. PERFORMING GENERAL AIRCRAFT MA	INTENANCE NOW	7. Above average.
(CONTINUED)	i	S. Much above everage.
	1	9. Very large amount.
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10 00 00 00 00 00 00 00 00 00 00 00 00 0		
49. Operationally check cargo ramp systems		©
 Operationally check dragchute system deployment of release mechanisms 	or	മമായത്തെ
51. Operationally check seat adjustment systems		000000000
52. Operationally check sextant mounts		@@@@@@@@
53. Perform extended cold weather preflights		©©©©©©©©
54. Perform home station checks (HSC)		നമാരാവരാവരാ
55. Perform maintenance debriefings of crewmembers		000000000
56. Prepare aircraft for loading or unloading munitie	ons	000000000
57. Prewarm and set inertial navigation equipment		0000000000
58. Read or interpret aircraft system blueprints		000000000
59. Read or interpret aircraft system layout drawing	s	്മത് രേത്ത
60. Read or interpret graphs or charts		೦ಥಥಾಥಾಥಾಥಾಥ
61. Read or interpret schematics		0000000000
62. Recover or deliver dragchutes		
63. Remove or replace aircraft access doors or hatch	es	000000000
64. Remove or replace aircraft access door hardware screws or rivets	such as	000000000
65. Remove or replace aircraft access door seals		©©©©©©©©©
66. Remove or replace aircraft access panels	1	0000000000
67. Remove or replace aircraft panel fasteners		© മമമമമമമ
68. Remove or replace ammunition hoist cables		ФФФФФФФФ
69. Remove or replace ARC-96 antenna system aircharg	e bottles	000000000
70. Remove or replace ARC-96 antenna system cable cu	tters	000000000
71. Remove or replace ATO racks		೧୧୧୧ ୧
72. Remove or replace canopies		000000000
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AFSC 431X1 OCCUPATION OF CONTINUED) G. PERFORMING GENERAL AIRCRAFT MAINTENANCE (CONTINUED) G. Remove or replace crewmember seat inertial reels G. Remove or replace crewmember seat locking mechanisms G. Remove or replace crewmember seat locking mechanisms G. Remove or replace crewmember seat shoulder harnesses G. Remove or replace dorsal fins G. Remove or replace dragchute systems G. Remove or replace dragchute systems G. Remove or replace electronic countermeasures (ECM) Scopes or ECM control panels G. Remove or replace engine struts or engine pylons G. Remove or replace flight instruments G. Remove or replace gun purge doors G. Remove or replace hatch hardware such as screws or rivets G. Remove or replace hatch hardware such as screws or rivets G. Remove or replace leading edge bleed air ducts G. Remove or replace leading edge bleed air ducts G. Remove or replace protective coverings such as pitot G. Remove or replace pressure seals	ory small amount, uch below average, low average, ghily below average, ghily below average, ghily above average, love average, love average, loy large amount,
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79. Remove or replace dragchute systems où. Remove or replace electronic countermeasures (ECM) scopes or ECM control panels 51. Remove or replace engine struts or engine pylons o2. Remove or replace elight instruments o3. Remove or replace gun purge doors o4. Remove or replace hatch hardware such as screws or rivets o5. Remove or replace horizontal stabilizer leading edges o6. Remove or replace instrument panels o7. Remove or replace leading edge bleed air ducts o8. Remove or replace photoflash doors o9. Remove or replace pressure seals o8. Remove or replace protective coverings such as pitot tube coverings	മരമെയാ
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64. Remove or replace hatch hardware such as screws or rivets 65. Remove or replace horizontal stabilizer leading edges 66. Remove or replace instrument panels 67. Remove or replace leading edge bleed air ducts 68. Remove or replace photoflash doors 69. Remove or replace pressure seals 90. Remove or replace protective coverings such as pitot 40. Remove coverings	0000000
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86. Remove or replace instrument panels © 4 87. Remove or replace leading edge bleed air ducts © 4 88. Remove or replace photoflash doors © 4 89. Remove or replace pressure seals © 4 90. Remove or replace protective coverings such as pitot tube coverings © 4	മ മമമമമമ
67. Remove or replace leading edge bleed air ducts ©@ 68. Remove or replace photoflash doors ©@ 89. Remove or replace pressure seals @@ 40. Remove or replace protective coverings such as pitot tube coverings @@	<i><u>aaaaaaaa</u></i>
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	<u> </u>
92. Remove or replace radomes	കര്യക്തെ
93. Remove or replace radome seals	കരക്കരക്ക
94. Remove or replace relief facilities or components	
95. Remove or replace safety devices	DODDDDDD
96. Remove or replace sextant mounts	<u>തരത്തെന്നു</u>

1. Check tolks you perform new (/). 2. On the back of the back, write in any unitared tasks which you do new, 3. In the "Time Spont" column, rate all checked (/) tooks on time spont	Chesh	THAE SPEAT Present Job
AFSC 431X1 DDDDDDDD G. PERFORMING GENERAL AIRCRAFT MAINTENANCE (CONTINUED)	IF DONE NOW	1. Very small amount. 2. Mosts below average. 3. Below average. 4. Slightly below average. 5. About average. 6. Slightly above average. 7. Above average. 8. Much above average. 9. Very large amount.
97. Remove or replace troopseats		000000000
98. Remove or replace troopseat hardware such as screws or rivets		മ ക്കരയത്തെയ്യ
99. Remove or replace troopseat seatbelts		000000000
100. Remove or replace vertical fin leading edges		മമർ മർമർ
101. Remove or replace vertical fins		മ മമമമമമമമ
102. Remove or replace windows or windshields including nesa glass		000000000
103. Remove or replace wing leading edges		000000000
104. Remove or replace wings or wing tips		000000000
105. Remove, replace, or add ballast		000000000
106. Remove scratches from transparent surfaces		000000000
107. Research technical publications to determine maintenance procedures	1	000000000
108. Rig life raft release systems	 	0000000000
109. Rig or adjust ram air turbine (RAT) doors	1	000000000
110. Safety wire aircraft hardware	 	000000000
111. Service ARC-96 antenna accumulators		000000000
112. Service relief facilities	1	000000000
113. Straighten aircraft panels or remove small dents	1	000000000
114. Troubleshoot ammunition hoist cables	1	0000000000
115. Troubleshoot sextant mounts	1	000000000
116. Visually inspect alignment of aircraft structures	1	000000000
117. Visually inspect ARC-96 antenna accumulators	1	000000000
118. Visually inspect ARC-96 antenna dehydrator crystals	1	000000000
119. Visually inspect ARC-96 antenna drogues	†	000000000
120. Visually inspect ARC-96 antenna hydraulic motor drain reservoirs	1	000000000
CODE 01, TYPE 1-9-B 87	(Conti	nued next page)

	1. Check tasks you perform now (I). 2. On the back of the book, write in any unlisted tasks which you do now. 3. In the "Time Spent" column, rate all checked (I) tasks on time spent	Check	TIME SPENT Present Job
	G. PERFORMING GENERAL AIRCRAFT MAINTENANCE (CONTINUED)	IF DONE NOW	1. Very amail amount. 2. Much below average. 3. Below average. 4. Slightly below average. 5. About average. 6. Slightly above average. 7. Above average. 8. Much above average. 9. Very large amount.
121. Visually ins hoses	pect ARC-96 antenna inclosures or hydraulic		്രാ മരമ്മരമ്മ
122. Visually ins	pect ARC-96 antenna retractable spools		നമതമതതരേത്ത
123. Visually ins	pect ejection seat safety pins		മ മമമമമമമമ
124. Visually ins	pect ejection systems		<u> </u>
125. Visually ins	pect emergency escape systems		ക്കാരത്തെ
126. Visually ins	pect first-aid kits for availability		<u>രമമരമമരമമ</u>
127. Visually ins	pect survival kits for availability		മമമമമമമമ മ
NOTE: If any tas write it	k you perform under this duty is not listed, on page 47 or 48.		കമകയന്നെയ
			മെമമമമമമ ന
			്രത്തെയയാ
	H. PERFORMING GROUND HANDLING OF AIRCRAFT		കമ്പര്യമ്പെ
			്രമെത്തെത്തെന്ന
			ക്കാരത്തെയു
1. Bleed aircra	ft hydraulic systems		തന്തെത്തെന്നുന
2. Bleed aircra	ft pneumatic systems		്രത്തെത്തെത്ത
3. Bleed aircra	ft thrust augmentation systems		<u>ര</u> ത്തെത്തെത്തത
4. Brief aircra	ft touring teams		നമയത്തെയെ
5. Brief tow te	am members		ാമകരമെയാക
6. Direct fueli	ng or defueling of aircraft		<u>രമ്മരമ്മരമ്മ</u>
 Direct jacki 	ng of aircraft		മമമമമമമമ മ
8. Drain aircra	ft engine oil systems		മരമരതരേത്ത
9 Drain aircra	ft fuel service systems		രമായമായമാ
10. Fold or erec	t vertical fins		തമതതതതതത
11. Fold or unfo	ld aircraft wings		രാമത്തെയരത്ത
			

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തതതത	1. Check tesks you perform new (4).	Check	TIME SPENT
	2. On the back of the book, write in any unlisted tasks which you do now.	Circum	Present Job
	3. In the "Time Spent" column, rate all checked (A tasks on time spent		
00000	In present job.		
		i i	1. Very small amount.
	ACCC 40141	1 /	2. Much below average,
	AFSC 431X1		3. Below average.
		16	4. Slightly below average.
		DONE	5. About average.
		1	6. SHENNY shove everses.
	H. PERFORMING GROUND HANDLING OF AIRCRAFT	NOW	7. Above average,
	(CONTINUED)	I .	6. Much above average,
	(CONTINUED)	1	9. Very large amount.
		I .	o. very large smeeter.
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12. Fuel aircraft	t using hot refueling methods		000000000
		L	
13. Fuel aircraft	t using hydrant refueling methods		0000000000
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14. Fuel aircraft	t using over-wing refueling methods		QQQQQQQQQQQ
l	<u> </u>	1	
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15. Fuel aircraft	using single-point refueling methods	1	0000000000
1	<u> </u>	1	
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16. Ground aircra	att .	1	$\Phi\Phi\Phi\Phi\Phi\Phi\Phi\Phi\Phi\Phi$
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17. Hangar aircra	ATT .		$\Phi\Phi\Phi\Phi\Phi\Phi\Phi\Phi\Phi\Phi\Phi$
t -		1	
170			
18. Install or re	emove aircraft decals		നമാരാ രത്തെയാ
1		1	
19. Interpret Nor	AN ANTANA THANKS ASSESSED THATAL	 	
113. Incerpret Nor	rth Atlantic Treaty Organization (NATO)	1	ക്കാർ അത്രാ ക്ക
aircraft mar	rkings	i l	
20. Jack aircraft		 	
Jeu. Jack aircraft	L Company of the Comp	j	
l		1	
21. Launch or rec	anon sinonsft	 	
121. Launch or rec	cover aircraft	i I	
1		1	l i
22. Level aircraf		 	222222
Ter reser attends	•	1 1	
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23. Lift aircraft	hy air hags		00000000
1-3. Circ anterant	o of an augs		നമായായായായാ
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24. Marshal aircr	raft	T	000000000000
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25. Measure group	nd height of aircraft		00000000000
1 = 2			
26. Moor aircraft	by refueling or sandbagging		Q
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L			L
27. Moor aircraft	t by tying down		$\phi \phi $
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28. Operate aeros	space ground equipment (AGE) air conditioning		രമാരുക്കാരാ രം
equipment		!	,
		 	
29. Operate AGE a	air compressors]	ാ താരത്തോത്ത
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30. Operate AGE of	dollies, slings, or cradles	1	രമായായായായാ
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31. Operate AGE of	gas turbine compressors	į i	നമ്മരമാരമാര
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22 0-0-0-	avound bastone	 	
32. Operate AGE	ground heaters	i i	രത്തെത്തെത്തെ
1		[i	
32 0	and the Araba Araba		
33. Operate AGE	nydraulic test stands	1 :	രമെരമെമെ വര
L		, '	
34. Operate AGE	portable generators		00000000
In oherate was t	our cause demendrons		
L		L	
4.0	portable lighting equipment		000000000
135 Angrata AGE r			
35. Operate AGE p	our cause strying equipment]	

(Continued next page)

	theck tests you perform now (d). In the back of the book, write in any unlisted tests which you do now, In the "Time Spent" column, rate all checked (d) tasks on time spent	Check	TIME SPENT Present Job
000000 ** 0000000 000000000000000000000	PERFORMING GROUND HANDLING OF AIRCRAFT (CONTINUED)	IF DONE NOW	1. Very small amount. 2. Much below everage. 3. Below average. 4. Slightly below average. 5. About average. 6. Slightly above average. 7. Above average. 8. Much above average. 9. Very large amount.
36. Operate aircraft	cockpit controls during towing operations		ക്കാർക്കെയ്യുന്നു
37. Operate aircraft	radios		<u> </u>
38. Operate aircraft	wheel movers		ക്കർമെമെമെമ
39. Operate hydraulio	c servicing carts		$\Phi\Phi\Phi\Phi\Phi\Phi\Phi\Phi\Phi\Phi$
40. Operate maintena	nce stands		മെമെമെ വരകമ
41. Operate tow vehic	cles		000000000
42. Operate wing swe	eps		000000000
43. Perform stab dro	op checks	<u> </u>	COOOOOOO
44. Position AGE to	aircraft		000000000
45. Position or remo	ve aircraft chocks		രമെത്തെ മെത്ത
46. Prepare recommen	dations to impound or quarantine aircraft		രമാമമെയെ
47. Quick check airc	raft at end of runways		രമെമമമമെ മ
48. Remove disabled	aircraft from runways		0000000000
49. Remove, install,	or rig dragchutes		0000000000
50. Remove or instal	l external fuel tanks	<u> </u>	0000000000
51. Remove snow or i	ce from aircraft by using AGE		ΦΦΦΦΦΦΦΦΦΦ
52. Remove snow or i	ce from aircraft manually		000000000
53. Select cleaning or exterior sur	materials for cleaning aircraft interior faces		 DODOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOO
	, or lubricant for aircraft servicing		വരത്തെയ്യാ
55. Service aircraft	alternator or generator drives		0000000000
56. Service aircraft	engine oil systems		000000000
57. Service aircraft	hydraulic systems		000000000
58. Service aircraft	oxygen systems with gaseous oxygen		
59. Service aircraft	oxygen systems with liquid oxygen		000000000
	۵۸	Contin	ued next page)

1. Check tests you perform now (A. 2. On the back of the book, write in any unlisted tasks which you do now. 3. In the "Time Spent" column, rate ell checked (A tasks on time spent	Check	TIME SPENT Present Job
H. PERFORMING GROUND HANDLING OF AIRCRAFT (CONTINUED)	J IF DONE NOW	1. Very small amount. 2. Much below average. 3. Below average. 4. Slightly below average. 5. About average. 6. Slightly above average. 7. Above average. 8. Much above average. 9. Very large amount.
60. Service aircraft thrust augmentation systems		<u> </u>
61. Service aircraft pneumatic systems		COOOCACA
62. Service aircraft tires with air		೦೦೦೦೦೦೦೦೦
63. Service aircraft tires with nitrogen		೦ಥಿರೂರಿಥಿಥಿಥಿಥಿಥಿಥಿಥಿಥಿಥಿಥಿಥಿಥಿಥಿಥಿಥಿಥಿಥಿ
64. Stand cold weather heater watch		oppososs
65. Stand fire guard		೦೦೩೩೩೩೩೩೩೩೩೩೩೩೩೩೩೩೩೩೩೩೩೩೩೩೩೩೩೩೩೩೩೩೩೩೩೩೩
66. Take engine oil samples for spectrometric oil analysis program (SOAP)		coocarcor
67. Walk wings or tails during aircraft towing operations		೧ಹರ್ಥಾಹಿರಾಗ
68. Weigh aircraft		೦೦೦೦೦೦೦೦೦
NOTE: If any task you perform under this duty is not listed, write it on page 47 or 48.		೦ಥರಾರಾರಾಗ
		Cororocia
		coocsessi
I. MAINTAINING LANDING GEAR SYSTEMS		corecre
		Coordanana
		coordiana
1. Adjust aircraft crosswind systems or components		COGURAGO
2. Adjust landing gear mechanical components		COGESTSII
3. Adjust landing gear ski systems		೦ಥರಾಥರಾಭಾಗಾ
4. Adjust landing gear steering mechanism components		COORDOORS
5. Bleed brake assemblies		ಂತರಾತ್ರವಾಗ
6. Break down tires		<u> </u>
7. Build up tires		೦ಥರ್ಥನಾರ್ಡು
8. Clean polished surfaces of struts		ಂತಾತ್ವಾತ್ವಾತ್ತು
9. Determine feasibility of retreading aircraft tires		್ವಾರಾಧ್ಯವ್ಯಾಪ್ತಾಗಿಗೆ

1 Check tasks you perform now (A) 2 On the back of the book, write in any unlisted tasks which you do now 3 In the Time Spent column rate all checked (A) tasks on time spent	Check	TIME SPENT Present Job
In present Job. AFSC 431X1	-	Very small amount Much below average.
I. MAINTAINING LANDING GEAR SYSTEMS (CONTINUED)	IF DONE NOW	3. Below average. 4. Slightly below average 5. About average 6. Slightly above average 7. Above average 8. Much above average, 9. Very large amount
ic. Inspect aircraft arresting gear components		COAS OF A TOP S
il. Inspect aircraft arresting gear systems		Ladrette Cta
Inspect aircraft crosswind system or components		araberdra filos
lis. Inspect aircraft landing gear arresting hooks		ाक्षकारमञ्जूष का
1 i4. Inspect aircraft steering systems		Carry and a mark
Inspect aircraft wheel assemblies		CONTROL THE
! (D. Inspect anti-skid systems or components		ರಾಭಾವಾಭಾವಾಭಾವಾಭಾವಾಭಾವಾಭಾವಾಭಾವಾಭಾವಾಭಾವಾಭಾ
1 - Inspect braking system components	<u> </u>	Carrent and a re-
Inspect landing gear electrical components		002034344
: 19. Inspect landing gear hydraulic components		ರಾವಾತಾತ್ರಾವರ್ಷ
Inspect landing gear ski systems		<u> </u>
1-1- Inspect landing gear structural components		Crrearer
I Inspect nosewheel steering components	1	2444444
: _3. Inspect struts	1	Carabanean
I Inspect wheel bearings	 	തമാത്തുകതാർ ക
1-5. Inspect wheels		Cararara area ar
Lubricate struts	 	Carataria
Lubricate wheel bearings		्यक्षक्षक्ष करा । व
Operate aircraft kneeling systems	1	<u>ंच्याक्षक्षक्रक्षक्ष</u>
49- Operationally check aircraft arresting gear systems	1	charanara arataran
Operationally check aircraft crosswind systems or components	1	Charatera areatan
31. Operationally check aircraft kneeling systems		্ৰেক্ত ক্ষত্ৰৰ প্ৰাৰ
of Operationally check aircraft landing gears	 	ত্ত্বসভাতক্ত্ৰ
33. Operationally check aircraft landing gear arresting hooks		ত্ৰুৱাৰ ব্ৰাৰ্থ

(Continued next page)

1. Check teaks you perform now (/). 2. On the beck of the book, write in any unlisted tasks which you do now. 3. In the "Time Spent" column, rate all checked (/) tasks on time spent	Check	TIME SPENT Present Job
GGGGGG	,	Very small amount. Much below average.
AFSC 431X1 GGGGGGG GGGGGGG I. MAINTAINING LANDING GEAR SYSTEMS (CONTINUED)	IF DONE NOW	3. Below average, 4. Slightly below average, 5. About average, 6. Slightly above average, 7. Above average, 8. Much above average, 9. Very large amount,
34. Operationally check aircraft steering systems		മമമരമമമ മമ
35. Operationally check anti-skid systems	1	
36. Operationally check brake systems	1	©@@@@@@@@
37. Operationally check landing gear indicator systems		೦ಥರಾಪರುಥರಾಥರ
38. Operationally check landing gear ski systems		೦೦೦೦೦೦೦೦೦೦೦
39. Operationally check nosewheel steering systems or components		©©©©©©©©
40. Operationally check tip or outrigger struts		೦ಥಾರಿ ಅರ್ಥಿಯ
41. Remove or replace aircraft arresting gear components		COCCCCC
42. Remove or replace aircraft arresting gear systems		೦ಥಿಥಿತಿತ್ವಾತ್ತ
43. Remove or replace aircraft crosswind system components		೧೯೯೯ ೦೩೩೩೩
44. Remove or replace aircraft steering system components		112222222
45. Remove or replace aircraft tire or wheel assemblies		COUSTESON
46. Remove or replace anti-skid system components		೦೦೦೮೮೮೫೮೫೫
47. Remove or replace brake assemblies		ರಾಹ್ಯಾತ್ವವನ್ನು ಚಿತ್ರ
48. Remove or replace brake assembly components		ರಾಹ್ಯಾಕ್ಷತ್ವ ಪ್ರಾಥಾ
49. Remove or replace components of gear doors		Caraerera
50. Remove or replace gear doors		COOCCACA
 Remove or replace landing gear electrical system components 		COORDOOR PAR
52. Remove or replace landing gear hydraulic system components		<u>्रक्रकक्रक्रमात्रम्</u>
53. Remove or replace landing gear ski system components		Carronara
 Remove or replace landing gear structural components such as metal braces 		COOCOCACAA
55. Remove or replace landing gears		्या कार्कात्क (कृष्ण रूप के क्षि
56. Remove or replace shimmy dampers		. A tarter artarte de de
57. Remove or replace struts		020021111

1. Check tasks you perform now (\checkmark). 2. On the back of the book, write in any unlisted tasks which you do now.	Check	TIME SPENT
1 COCOCOCOCOCOCOCOCOCOCOCOCOCOCOCOCOCOCO		
2. On the back of the book, write in any smilled taken you so mys.	CHECK	Present Job
3. In the "Time Spont" column, rate all checked () tasks on time		
spent in present jeb.	1	1. Very small amount.
AFSC 431X1	1	2. Much below average.
	✓ /	3. Below average.
	15	4. Slightly below average.
		5. About average.
1: Mathiating Educing acan Sisters	DONE	6. Slightly above average.
(CONTINUED)	HOW	7. Above sverage,
	"""	S. Much above average,
}		9. Very large amount.
56. Remove or replace strut components		രമാരമരമാര
59. Rig landing gear systems or components		്മാരരന്മാര ന
bu. Service aircraft landing gear arresting hooks		ഠമരരമരമര
bl. Service aircraft landing gear ski systems	1	ാ ത്വരേത്ത്രത്ത
oz. Service aircraft leveling cylinders with air	1	<u> </u>
63. Service aircraft leveling cylinders with hydraulic fluid		O 000000000
o4. Service brake systems		രമത്തന്തെത്ത
ob. Service snubbers with air		റ മെമെമെമെമ
ob. Service snubbers with hydraulic fluid		000000000
or. Service struts with air		೦೦೦೦೦೦೦೦೦೦
168. Service struts with hydraulic fluids		്മെയെയെ യെയ
109. Service struts with nitrogen		0000000000
70. Troubleshoot aircraft arresting gear systems or components		ഠരാരാരാരാരാര
//I. Troubleshoot aircraft brake systems or components		<u> </u>
72. Troubleshoot aircraft crosswind system or components		
73. Troubleshoot aircraft kneeling systems or components		0000000000
74. Troubleshoot aircraft landing gear hydraulic systems or components		്രമ ർമമമമാസമ
175. Troubleshoot aircraft landing gear mechanical systems or components		<u>രമാതരതതതതത</u>
176. Troubleshoot aircraft nosewheel steering systems or components		<u>റെതരനത്തെതരു</u>
///. Troubleshoot aircraft steering systems or components other than nosewheel steering systems		
78. Troubleshoot anti-skid systems or components		<u>ര</u> മയരെ മഹമന
79. Troubleshoot landing gear ski systems or components		
80. Troubleshoot tip or outrigger struts		<u></u>
NOTE: If any task you perform under this duty is not listed, write it on page 47 or 48.		<u> </u>

000000 00000 000000	1. Check tests you perform now (A). 2. On the book of the book, write in any unlisted tests which you do now. 3. In the "Time Spent" column, rate oil checked (A) tests on time spent	Cheek	TIME BP! NT Present Jab
000000 000000	In present job. AFSC 431X1		Very small emount. Much below everage.
######################################	J. MAINTAINING UTILITY SYSTEMS	DONE NOW	3. Below average. 4. Blightly below average. 5. About average. 7. Above average. 6. Slightly above average. 7. Above average. 8. Much above average. 9. Very large amount.
1. Drain or purg	e gaseous oxygen systems		ΦΦΦΦΦΦΦΦΦΦ
2. Drain or purg	e liquid oxygen systems		ϕ
3. Inspect air to	urbine motors (ATM)		ക്കാരത്തെ
	aft air conditioning system or components		೦೦೦೦೦೦೦೦೦
	aft defog ducts		ΦΦΦΦΦΦΦΦΦΦ
L	aft fire suppression systems		©
	aft gaseous oxygen systems		ΦΦΦΦΦΦΦΦΦΦ
ł	aft liquid oxygen indicator systems		©®®®®®®®®®
	aft liquid oxygen systems or components		೦೦೦೦೦೦೦೦೦೦
10. Inspect aircr	aft mounted air compressors		೦೦೦೦೦೦೦೦೦೦
	aft rain removal ducts		COCCOCCC
	aft tire deflation systems		ODDADADOTA
	aft windshield washer systems or components		ാർർർർർർർ
components	aft windshield wiper systems or		೦೦೦೦೦೦೦೦೦೦
compressors			COCOCOCO
· ·	ing systems or components		ԾՓՓФФФФФФ
components	warning or overheat detection systems or		COCOCOCOC
18. Inspect RAT			ാമമമമമമമ
	craft windshield wiper systems		്യാന്ത്യാ
	aft auxiliary power plants		നമ്പരമ്പരമ്പ
components	check aircraft liquid oxygen systems or		৩কতককককক
	check aircraft-mounted air compressors		രമ്മത്മയമാ മ
	check APU or GTC		000000000
24. Operationally	check ATM		֎֎ ֎֎֎֎֎֎֎

	Check tasks y <i>au perform now (d),</i> On the back of the back, write in any unlisted tasks which you do now. In the "Time Spent" column, rate all check od (d) tasks on time spent	Check	TIME SPENT Present Job
	AFSC 431X1 . MAINTAINING UTILITY SYSTEMS (CONTINUED)	JF DONE NOW	1. Vary small amount. 2. Much below average. 3. Below average. 4. Slightly below average. 6. About average. 7. About average. 8. Much above average. 8. Wery large amount.
systems	heck air conditioning or pressurization		் மிரிகிரிக்கிக்கி
components	heck aircraft gaseous oxygen systems or		ும் றன்றைகள்
	heck bleed air systems		നമര്ത്താന്ത്രത്ത
28. Operationally c	heck de-icing systems		்கள்ளைகள்
29. Operationally co	heck fire extinguisher systems		<i></i> ംക്കെത്തെത്ത്രം
30. Operationally cl	heck fire warning or overheat detection		ጥ ወውውውውውውው
والمراجع والم والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراج	heck rain removal systems		തമാതത്തനാക്ക
32. Operationally c	heck RAT		appapapapa
1 33. Remove or replace	ce aircraft air conditioning ducts		രമ്മത്തന്തര ന്നു
1 34. Remove or replace	ce aircraft ATM cooling system components		നമ്പത്രമരത്ത
1 35. Remove or replace	ce aircraft de-icing systems or components		ക്കാരക്കാരക്ക
36. Remove or replace	ce aircraft washer systems or components		<i>ാമമമമമമമാവ</i> ം
37. Remove or replace	ce defog system mechanical switches		രാത്രത്തത്തെന്നുക
38. Remove or replace	ce oxygen converters		ക്കാർത്തന്നെ
39. Remove or replace	ce oxygen regulators		֎֍֍֍֍֍֍֍֍
40. Service aircraf	t air conditioning systems		ত্রকার্ত্তকর কর্মক
141. Service aircraf	t fire suppression systems		ব্যক্তককককক
1 42. Service aircraf	t-mounted air compressors		<u>ന്നുത്തന്നുവന്നു</u>
43. Service aircraf	t windshield washer systems		<i>অক্তকককককক</i>
44. Service aircraf	t with drinking water		നമ്മത്തന്നാത്ത
45. Service auxilia	ry power plants		<u> </u>
	rcraft air conditioning or pressurization		<u></u> ወውወውውውውው
47. Troubleshoot as	rcraft de-icing systems		ወ ወወውውወወውው
48. Troubleshoot ai	rcraft gaseous oxygen systems or components		መመመመመመመ
10		 	

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DDDDDDD 1. Chest tasks you parterm new (/). 2. On the book of the book, write in any unitered tasks which you do new, in the "Time Spont" solumn, rete all chested (/) tooks on time spont	Chesh	TIME SPENT Present Job
AFSC 431X1 AFSC 431X1 AFSC 431X1 AFSC 431X1 AFSC 431X1 AFSC 431X1	IF DONE NOW	1. Very small emount. 2. Much below svereps. 3. Below avereps. 4. Slightly below average. 5. About average. 6. Slightly above average. 7. Above average. 8. Much above average. 9. Very large amount.
49. Troubleshoot aircraft liquid oxygen systems or components		ന മരമരമര മ
50. Troubleshoot aircraft windshield wiper systems		Ծ
NOTE: If any task you perform under this duty is not listed, write it on page 47 or 48.		മ മമമമമമമമ
		രമായത്തെയാത്ത
		ധമരത്തരത്ത
K. MAINTAINING FLIGHT CONTROL SYSTEMS		ಎಥಾಥಾಥಾಥಾಥ
		ത്രമായ തരുത്ത
		ಎಂಎಂಎಂಎಂಎಂ
1. Adjust aircraft pitch trim		നമനമനമനമന
2. Adjust flight control stops		ಭಾರಾಥಾಥಾಥಾಥಾಥಾಥಾಥಾಥಾಥಾಥಾಥಾಥಾಥಾಥಾಥಾಥಾಥಾಥಾ
3. Adjust installed flight control adjustable tabs		നമ്മയത്തെയ്യ
4. Adjust installed flight control fixed tabs		aacaaaaaa
 Adjust or replace regulators on flight control balance panels 	1	anananana a
6. Adjust travel of aircraft trim actuators		and de
7. Align or adjust aircraft control surface stops		ODDODDODD
8. Check control surface travel using protractors, templates, or rigging devices		COODOOOO
9. Inspect all-weather landing systems		 ODDODDODO
10. Inspect artificial feel system components	1	നെത്തത്തെന്ന
11. Inspect autopilot system or components		ക്കാരത്തെത്ത
12. Inspect boost engage locks		COGGGGGGG
13. Inspect boundary layer control (BLC) ducts		ಎಂಎಂಎಂಎಎಎಎ
14. Inspect BLC valves		00000000
15. Inspect electrical flight control systems		معمممممه
16. Inspect flight control surfaces		anananana
<u> </u>	٠	<u></u>

	1 Check tasks you perform now (A). 2. On the back of the book, write in any uniteted tasks which you do now. 3 In the "Time Spent" column rate all checked (A) tasks on time apont.	Cheek	TIME SPENT Freent Job
	AFSC 431X1 K. MAINTAINING FLIGHT CONTROL SYSTEMS (CONTINUED)	J IF DONE NOW	1. Very small amount. 2. Much below average. 3. Below average. 6. Slightly below average. 8. About average. 7. About average. 9. Much above average. 9. Very large amount.
	ulic boost flight control systems		ത്രമാത്രത്തെന്നുക
18. Inspect hydrai	ulic flight control systems		TOTOLOGICAL
is. Inspect in-fl	ight refueling control surfaces		ተተ ማ ተውውውው
systems	nal lock mechanism for flight control		CODOMORDO
Inspect manua	l flight control systems or components		addedadada
22. Inspect spoils	er or speed brake control systems		<i>დ</i> ውውውውውውው
23. Inspect statio	c dischargers		andananana
Inspect wing	sweep systems		<u>andanananan</u>
25. Lubricate fli	ght control systems		Carananana
10. Measure force	feel of sticks or columns		<u> </u>
27. Operationally	cneck aileron, rudder, or elevator systems		**************************************
Operationally elevator trin	check aileron, rudder, stabilizer, or m systems		and and and and
	cneck all-weather landing systems		ാൻൻൻൻൻൻൻ ൻ
30. Uperationally	check autopilot systems		and
31. Uperationally	check BLC systems		ம்ம்மை ம்மைம்
32. Operationally	check feel systems		apparament
33. Uperationally power package	check flight control hydraulic es		CONTRACTOR
•	check intright refueling boom ruddervators		<u>odrandarena</u>
35. Operationally	check trim actuators		শক্ষককককক
36. Operationally	check wing flaps		adiamadiama
37. Operationally	check wing sweep systems		photodocad
33. Uperationally	check wing slat systems		commonwer and
39. Remove or Ins	tall aircraft rig boards or protractors		commonweal.
40. Remove or rep	lace allerons, rudders, or elevators		anananan
<u></u>		 	

(Continued next page)

1 Check tests you perform new (4). 2. On the beek of the beek, write in any 3. In the "Time Spent" column, rate all in present jeb.	unilated tasks which you do now. check of (4) tasks on time spent	TIME SPENT Present Job
CONTINUED)		1. Very small amount, 2. Much below everage, 3. Delow everage, 4. Slightly below average, 6. About everage, 7. Above everage, 8. Much above everage, 9. Very large amount,
41. Remove or replace artificial feel syst	em components	ക്കെയെയെയു
La caracter of the process of the caracter of		000000000
43. Remove or replace flaps		000000000
44. Remove or replace gust dampers		മ മമമമമമമമ
 Remove or replace hydraulic boost flig components 		<i><u>ФФФФФФФФФ</u></i>
46. Remove or replace manual flight contro		ക്കാരത്തെയു
 Remove or replace primary flight contr 	ol surfaces	000000000
48. Remove or replace slats		000000000
49. Remove or replace spoiler or speed bra	ke control systems	000000000
50. Remove or replace static dischargers		೦೦೦೦೦೦೦೦೦
51. Remove or replace surface position ind	icators (SPI)	00000000
52. Remove or replace trailing edges of wi	ngs	000000000
53. Remove or replace trim motors		000000000
54. Remove or replace wing sweep actuators		രമായായായായാ
55. Rig autopilot servos		DODGOGGGG
56. Rig BLC systems		DODDODODO
57. Rig flaps		agagagag
58. Rig or adjust hydraulic boost flight c	ontrol system	ಎರಾವಾವಾವಾವಾ
59. Rig or adjust lock mechanisms for flig	nt control systems	೦ಥಾರಾಥಾಥಾಥಾಥ
60. Rig slats		DODODODO
61. Rig spoiler or speed brake control sys	tems	റമ്മമ്മമ്മമ്മ
62. Service gust dampers		ಎಂಎಎಎಎಎಎ
63. Service or lubricate flight control sy	stem components	೧೯೯೯
64. Troubleshoot electrical flight control	systems	ರಾಶಾರಾಶಾರಾ

(D)	1. Check tests you perform new (A). 2. On the both of the book, write in any unlisted tasks which you do new. 3. In the "Time Spont" column, rets all checked (A) tasks on time spont.	Check	TIME SPENT Present Job
	K. MAINTAINING FLIGHT CONTROL SYSTEMS (CONTINUED)	IF DONE NOW	1. Very small amount. 2. Much below average. 3. Below average. 4. Slightly below average. 5. About average. 6. Slightly above average. 7. Above average. 8. Much above average. 9. Very large amount.
[hydraulic flight control systems		്രഹതതന്നതനന
1	manual flight control systems		എത്തെത്തെത്ത്ത്ത്ത്ത്ത്ത്ത്ര
Write it	k you perform under this duty is not listed, on page 47 or 48.		and and and and
			O\$\$\$\$\$\$\$\$
	L. MAINTAINING PNEUDRAULIC SYSTEMS		ODDODODO
			<u> </u>
			proporta
1. Adjust tail			Cororroca
2. Adjust tail			ರಾವಾರ್ಥವಾರ್ಥ
	ra pneumatic systems		ancananan
'	py open or close valves		oororocar
	o door hydraulic systems		pageascri
b. Inspect emer	gency or normal flap extensions		Opposate
	gency or normal gear extensions		Carananana
	aulic system accumulators		ancaratra
<u></u>	aulic system actuators		νοσοσοσο
	aulic system dehydrators		opagagona
	aulic system dryers		രമാരമാരവാവ
12. Inspect hydr	aulic system filters		pppopppop
13. Inspect hydr	raulic system motors		000000000
14. Inspect hydr	aulic system power packages		രമനത്തെത്തന
15. Inspect hydr	aulic system pumps		೦ ೲ೧ಀಀಀಀಀಀಀ
16. Inspect hydr	aulic system reservoirs		pononnonn
	100	Combin	ued nort nave

(Continued next page)

1. Check tasks you perform new (A). 2. On the back of the back, write in any unlisted tasks which you do now. 3. In the "Time Spent" column, rate all shocked (A) tasks on time spent in present job.	Chesh	TIME SPENT Present Jab
AFSC 431X1 DDDDDDDD DDDDDDD L. MAINTAINING PNEUDRAULIC SYSTEMS (CONTINUED)	IF DONE NOW	1. Very smell amount. 2. Much below average. 3. Below average. 4. Slightly below average. 5. About average. 6. Slightly above average. 7. Above average. 6. Much above average. 9. Very large amount.
17. Inspect hydraulic system reservoirs sight gages		ാമമരമേമമാമ
18. Inspect hydraulic system tubing or lines		ക്കാരത്തെയു
19. Inspect hydraulic system valves		നമരത്തെത്ത
20. Inspect photoflash doors		COOOOOOO
21. Inspect pneumatic actuators		© ©©©©©©©©
22. Inspect pneumatic ducts		\$000000000
23. Inspect pneumatic escape spoiler door systems		©©©©©©©©©
24. Inspect pneumatic relief valves		@@@@@@@@
25. Inspect pneumatic system air bottles		000000000
26. Inspect pneumatic system air compressors		೦೦೦೦೦೦೦೦೦
27. Inspect pneumatic system check valves		ϕ
28. Inspect pneumatic system tubing or lines		
29. Inspect tail bumpers		೧೦೦೦೦೦೦೦೦
30. Inspect tail hooks		000000000
31. Operationally check emergency or normal flap extensions	Ì	രമത്തെത്തെ
32. Operationally check emergency or normal gear extensions		ാരമെയ്യാരാ
33. Operationally check hydraulic actuators		© @@@@@@@@
34. Operationally check hydraulic filters		ാർർർർർർ
35. Operationally check hydraulic power packages		്യാ യ വരു
36. Operationally check hydraulic pumps		©
37. Operationally check hydraulic valves		©
38. Remove or replace accumulator pressure gauges	1	00000 r0000
39. Remove or replace chemical dryers		ാ ഗമത്ത്യത്ത
40. Remove or replace dehydrators		ΦΦΦΦΦΦΦΦΦΦ

(Continued next page)

1. Check tooks you perform new (/). 2. On the back of the book, write in any unilated tasks which you do now. 3. In the "Time Spant" column, task all check of (/) tasks on time spant	Check	TIME SPENT Fresent Job
AFSC 431X1 COCOCOCO COCOCOCOCO COCOCOCOCO COCOCOCOCO COCOCOCOCO COCOCOCOCO COCOCOCOCOCO COCOCOCOCOCO COCOCOCOCO COCOCOCOCOCO COCOCOCOCOCO COCOCOCOCOCO COCOCOCOCOCOCO COCOCOCOCOCOCOCO COCOCOCOCOCOCOCOCO COCOCOCOCOCOCOCOCOCO CO	IF DONE NOW	1. Very small amount, 2. Much below average, 3. Below average, 4. Slightly below average, 5. About average, 6. Slightly above average, 7. Above average, 8. Much above average, 9. Very large amount,
41. Kemove or replace hydraulic reservoir sight gauges		മ മമമമമമമ
42. Remove or replace hydraulic system accumulators		നമരുത്തെന്നു
43. Kemove or replace hydraulic system filters		ക്കാരത്തെയാ
44. Remove or replace pneumatic system accumulators		നമാരത്തെത്ത
45. Remove or replace schrader valves		000000000
46. Remove or replace tall bumpers		000000000
ने7. Remove or replace call hooks		000000000
46. Remove replace turbine-driven hydraulic packs		നമാരത്തെ
49. R open or close valves		0000000000
50. Just gun purge doors		000000000
51. Rig or adjust photoflash doors		നമ്പാർത്താ
52. Rig or adjust KAT doors	V	നമാരത്തെ
53. Rig tail nooks	-	0000000000
54. Service pneudrautic systems or components		റമാ യത്തനമായ
55. Service tail bumpers		$\Phi\Phi\Phi\Phi\Phi\Phi\Phi\Phi\Phi\Phi$
36. Service tail nooks		0000000000
37. Troubleshoot hydraulic systems	 _	
55. Troubleshoot pheumatic systems		0000000000
HOTE: If any task, you perform under this duty is not listed, write it on page 47 or 48.		
		000000000
		000000000
		000000000
		000000000
		0000000000

1. Check tests you perform new (A. 2. On the back of the back, write in any unitated tasks which you do new. 3. In the "Time Spent" column, rose oil checked (A tooks on time spent in present job.	Chest	The spent Present deb
		1. Very small amount. 2. Much below average.
AFSC 431X1	7	3. Below storage.
	'"	4. Shightly below everage.
	DONE	S. About prorage. 6. Slightly above everage.
COCOCOCO N. MAINTAINING ELECTRICAL SYSTEMS	NOW	7. Above storage.
	1	8. Much shore prorage.
	1	9. Very large amount.
- 	J	
	1	
T. Adjust microswitches		\
1. Adjust microswitches	- 1	ODDODOGO
2 (1)		
2. Clean battery terminals or connectors	1	മരമരമരമെയ
		
3. Inspect aircraft alternators or generators	1	
· · · · · · · · · · · · · · · · · · ·		1
4. Inspect aircraft battery vent systems		000000000
• • • • • • • • • • • • • • • • • • • •	l	
5. Inspect aircraft external lights	-}	1222222
Trispect affectare external rights	i	aaaaaaaaa
		<u> </u>
b. Inspect aircraft external power receptacles	1	- nadatatata
	_1	
7. Inspect aircraft internal lights		000000000
	1	
3. Inspect aircraft inverters		2222222
o. Inspect afficial inverters	1	Sagarara
		
9. Inspect aircraft lead-acid batteries	- 1	TODODOTOTOO
10. Inspect aircraft-mounted switches		DECREGEGG
	İ	
II. Inspect aircraft nickel-cadmium batteries		22222222
and the state of t	1	444444
12. Inspect aircraft warning systems		
TZ. Inspect aircraft warning systems	- 1	- coccessor
13. Inspect aircraft wiring or connectors		DECEMBER OF
	ł	
14. Inspect fuse or circuit breaker panels	1	arcaraga
· · · · · · · · · · · · · · · · · · ·	1	100000000
15. Operationally check aircraft external lights		
13. Operationally theck aircraft external lights	1	apararar
To. Operationally check aircraft generator systems	ì	TO CO
	. 1	
17. Operationally check aircraft-installed batteries		DOGGODOGO
	-	
18. Operationally check aircraft-installed warning systems	+	STATESTA
i operationally their allerate materia and in a 312 cms	1	-anaragana
		
19. Operationally check aircraft internal lights		appararea
20. Operationally check aircraft inverters		and and and and
	-	1
21. Operationally check air-driven generators or alternators	1	0000000000
Entrangements and an entrangement of wreetingers		
Constitution of the second analysis delical agraphical and		
22. Operationally check engine-driven generators or alternators		anananana
23. Operationally check microswitches		10000000
23. Operationally check microswitches 24. Operationally check pilot director systems		coorrecor

1 Check teaks you perform now (A). 2. On the back of the book, write in any unlighed teaks which you do now. 3 In the "Time Spent" column, rate all check on 1 teaks on time spent	Check	TIME SPENT Present Job
AFSC 431X1 AFSC 431X1 AFSC 431X1 M. MAINTAINING ELECTRICAL SYSTEMS (CONTINUED)	J IF DONE NOW	1. Vary small amount. 2. Much below average. 3. Below average. 4. Slightly below average. 5. About average. 6. Slightly above average. 7. Above average. 9. Much above average. 9. Very large amount.
25. Operationally check transformer rectifiers		
26. Perform continuity checks of aircraft engine magnetic plugs		ಎಥವಾಡವಾದನಾಗು
27. Perform continuity checks of aircraft start systems		ാമാകരാകരവക
28. Remove or replace aircraft light lenses	+	
29. Remove or replace aircraft-mounted batteries	+	റമായമാവാരവ
30. Remove or replace aircraft-mounted fuses	+	೦೩೦೩೩೩೩೩೩೩೩೩೩೩೩೩೩೩೩೩೩೩೩೩೩೩೩೩೩೩೩೩೩೩೩೩೩೩೩
31. Remove or replace aircraft-mounted light bulbs	 	ಎಹಿಡಿಡಿಡಿಡಿಡಿಡಿಡಿಡಿಡಿಡಿಡಿಡಿಡಿಡಿಡಿಡಿಡಿಡಿಡ
32. Remove or replace pilot director indicator (PDI) doors		<u>ರಾಹಾತಾತ್ಮಾತ್</u>
33. Remove or replace PDI reflectors	+	೦ಥಾತಾತಾತಾತ್ರಾಥಾ
34. Service aircraft batteries	1	೦ಥರಾಥರಾಭಾರಾ
35. Service aircraft battery sump jars	1	೦೦೦೦೦೦೦೦೦೦೦
36. Service aircraft battery vent systems		ാ തമെത്തന്നേത
37. Test aircraft batteries	1	೦ಥಥಥಥಥಥಥಥ
33. Troubleshoot aircraft-installed warning systems		೦೦೦೦೦೦೦೦೦
39. Troubleshoot external lighting systems		೦ಥರಾಭಾವಾಗ
40. Troubleshoot internal lighting systems		COOGGOOGG
NUTE: If any task you perform under this duty is not listed, write it on page 47 or 48.	1	ODDODODO
		<u> ಹಾರಾರಾಧಾರಾ</u>
		@ @ @@@@@@@@
N. MAINTAINING FUEL SYSTEMS		@@@@@@@@@
		രമത്തെത്തെ
		ക്കാരത്തെന്ന
1. Clean fuel filters		000000000
2. Cover connections of removed external fuel tanks such as cannon plugs	1	<u></u>
104	(Contri	nued next page)

1 Check tooks you perform now (4). 2 On the back of the brigh, write in any unitered tooks which you do now. 3. In the "Time Spent" column, rate all checked (4) tooks on time spent	Check	TIME SPENT Present Job
		Very small smount, Much below average.
AFSC 431X1	1F DONE	3. Below everage. 4. Slightly below everage 5. About everage.
N. MAINTAINING FUEL SYSTEMS (CONTINUED)	NOW	6. Slightly above average, 7. Above average, 8. Much above average, 9. Very large amount,
3. Defuel aircraft using over-wing methods		ಎರಾರಾಭಾಧಾಧಾಧಾ
4. Defuel aircraft using single-point methods	T	ಾರಾರಾರಾಧಾರಾಧಾರ
5. Drain fuel sumps		000000000
6. Dry drain fuel tanks		೦೦೦೦೦೦೦೦೦
7. Inspect bladder-type cavity drains	+	002000200
8. Inspect bladder-type internal visible fuel transfer pumps	· ;	Oppopopopo
9. Inspect external fuel system components such as cannon plugs, locking mechanisms, valves, or lines		000000000
10. Inspect in-flight refueling system receptacles		coooceas
11. Inspect integral-type cavity drains		coordiana
12. Inspect integral-type internal visible fuel transfer pumps		coorracoo
13. Lubricate in-flight refueling system receptacles		carracaa
14. Operationally check boost pumps		200000000
15. Operationally check external fuel tanks		coronera
l6. Operationally check fuel control panels		SOSSOSSOS
17. Operationally check fuel crossfeed systems		ಾರಾವಾರಾವಾವಾವ
18. Operationally check fuel dump systems	1	SOSSOSSOS
19. Operationally check fuel valves		000000000
20. Operationally check in-flight refueling system receptacles	1	COGOGGGGG
21. Operationally check refuel or defuel manifold dvainage systems	1	000000000
22. Operationally check tank feed systems	 	೦ಥಥಥಥಥಥಥಥ
23. Operationally check tank pressure systems	<u> </u>	೦೦೦೦೦೦೦೦೦೦
24. Operationally check transfer pumps	 	೦ಥರಾಭಾರಾಧಾಧಾಧಾಧಾಧಾಧಾಧಾಧಾಧಾಧಾಧಾಧಾಧಾಧಾಧಾಧಾಧಾ
25. Perform ground operational checks of tanker inflight refueling systems	+	೦ಥರಾಥಾಥಾಥಾಥಾಥ
26. Perform leak or pressure checks of aircraft fuel systems	+	ാമതരത്തെത്ത

1. Check tasks you perform now (?). 2. On the back of the book, write in any unlisted tasks which you do now. 3. In the "Time Spent" column, rate all checked (?) tasks on time spent	Check	TIME SPENT Present Job
AFSC 431X1 COCOCIO COCOCIO COCOCIO N. MAINTAINING FUEL SYSTEMS (Continued)	IF DONE NOW	1. Very small amount. 2. Much below everage. 3. Below average. 4. Slightly below average. 5. About average. 6. Slightly above average. 7. Above average. 8. Much above average. 9. Very large amount.
27. Pick up or return external fuel tanks from or to storage areas		ക്കാരത്തെ
28. Prepare aircraft for fuel cell maintenance		രമെതതതതതതത
29. Preserve or depreserve fuel systems		ക്കാർ എന്നു വരു വരു വരു വരു വരു വരു വരു വരു വരു വരു
30. Remove or install Benson auxilary fuel tanks		ക്കാരക്കാരക
31. Remove or install external fuel tanks		$\phi \phi \phi \phi \phi \phi \phi \phi \phi \phi$
32. Remove or install Benson fuselage tanks		നമായതായതായ യ
33. Remove or replace bladder-type fuel drain valves		രമെത്തെത്തെ
34. Remove or replace distilled water lines, valves, or filters		നമ്പുക്കുന്നു
35. Remove or replace distilled water pumps		മ മമമമമമമമ
36. Remove or replace fuel booster pumps		മെമെമെമെമ
37. Remove or replace fuel cell fire suppression material, such as foam		000000000
36. Remove or replace fuel drain valves		ക്കാരത്തെത്ത
39. Remove or replace fuel filters		മെമെമെമെമെ
40. Remove or replace refueling booms		ക്കാരത്തെയ്യ
41. Remove or replace single-point fuel receptacles		രമത്തത്തെത്ത
42. Remove or replace stand pipes or seals on external fuel tanks		
43. Service aircraft distilled water systems		നമ്മരത്തന്ത്രത
44. Transfer fuel within aircraft		0000000000
45. Troubleshoot fuel crossfeed systems		ΦΦΦΦΦΦΦΦΦΦ
46. Troubleshoot tank feed systems	-	$\Phi\Phi\Phi\Phi\Phi\Phi\Phi\Phi\Phi\Phi$
47. Troubleshoot tank pressure systems		000000000
'48. Troubleshoot transfer pumps		രമരത്തെ
49. Visually inspect fuel vent outlets		രമാരാവാരാവ
50. Visually inspect single-point receptacles		നമാരാത്താരാ ത്ര
306		lued next nage)

1. Check tasks you perform new (\(\strict{1}\). 2. On the back of the book, write in any unlisted tasks which you do new. 3. In the "Time Spont" column, rate all checked (\(\strict{1}\)) tasks on time	Check	TIME SPENT Present Job
Spent in present job. AFSC 431X1	IF DONE NOW	1. Very small amount 2. Much below average. 3. Below average. 4. Slightly below average. 5. About average. 6. Slightly above average. 7. Above average. 8. Much above average. 9. Very large amount.
51. Visually inspect surge tanks or vent boxes		രമയയയയയയ
NOTE: If any task you perform under this duty is not listed, write it on page 47 or 48.		ചെയ്യത്തെയ്യു
		ന്നുവരുത്താന
		COODOOCOA
O. MAINTAINING NONPOWERED AEROSPACE GROUND EQUIPMENT (AGE)		ാമമതമേയമേ
	T	ಎರಾರಾಭಾವಾ ಗ್
		೦೦೦೦೮೩೦೦೩೩
1. Conduct corrosion inspections of nonpowered AGE		೧೦೦೦೦೦೦೦೦
Deliver hydraulic servicing carts to hydraulic shop for calibration		
3. Deliver nonpowered AGE to field maintenance for maintenance or testing		Opposited
4. Deliver tow bars to nondestructive inspection (NDI) shop for periodic inspections		coordoors
5. Inspect ground engine run-up screens		೦ಥರಾಥರಾಥವಾಗ
6. Lubricate nonpowered AGE	1	opposes
7. Locate leaks or malfunctions of nonpowered AGE		ODDOODOOD
8. Maintain facility mounted hoists	1	COOGGGGGGG
9. Maintain portable hoists	1	a-modele and
10. Maintain or store warning signs such as "danger aircraft on jacks"		a reduced
11. Maintain waste oil or contaminated fuel bowsers	i	COORDOOR
12. Operationally check gaseous oxygen carts	1	COOUNDOUN
13. Operationally check hydraulic servicing carts	1	000000000
14. Operationally check LOX carts	1	ФФФФФФФФ
15. Operationally check nitrogen carts	1	000000000
16. Operationally check oil servicing carts		DODDODO
17. Overhaul aircraft jacks	1	

COCC COCC. NGOCOO COCCOO	1. Check tasks you perform now (\(\). 2. On the back of the book, write in any unlisted tasks which you do now. 3. In the "Time Spent" column, rate all checked (\(\) tasks in time	Check	TIME SPENT Present Job
000000 000000 000000 000000	aport in present jub. AFSC 431X1	\ !F	1. Very small amount. 2. Much below overage, 3. Below average. 4. Stightly below average 5. About average.
	O. MAINTAINING NONPOWERED AEROSPACE GROUND EQUIPMENT (AGE) (CONTINUED)	NOA	6. Slightly above average 7. Above average, 8. Much above average. 9. Very large amount,
18. Overhaul hydr	raulic servicing carts		' പരാവ വരാവ വരാവ വരാവ വരാവ വരാവ വരാവ വരാവ
	tenance stands		വരാത്വത്തിന്ത്രത്ത്ത
20. Overhaul towi	ng equipment other than vehicles		തമാതതാതാത്വര
1). Paint nonpowe	ered AGE		द्राक्षकक्षकक्षक
Perform minor screens such	maintenance on aircraft engine intake n as replacing rivets or straightening parts		paramana
3. Perform minor	maintenance on nonpowered LOX carts such		oppoparate.
24. Perform perio	odic inspections of nonpowered AGE		<u>രമക്തമക്തക്ക</u>
25. Place in or r	remove from storage ground engine run-up		caabaasaa
26. Post or remov	ve aircraft warning signs such as "danger iacks"	!	ODDOODOO
	place nonpowered AGE gauges or hardware		നമ്പരത്തെക്കു
.8. Service gases	ous oxygen carts	1	and an analysis
29. Service hydra	aulic servicing carts		<u>രമതതതതനതത</u>
3 Service jacks	S	1	രമ്മനത്തന്നെ
31. Service LOX	carts	1	ത്രമെത്രത്തെ
32. Service main	tenance stands	1	ക്കാ ക്കുന്നു വരു വരു വരു വരു വരു വരു വരു വരു വരു വര
33. Service nitro	ogen carts	1	മയമെയയാത്രമ
34. Service oil	servicing carts	1	anananana
35. Store powere	d aircraft support equipment	1	opananana
30. Tow nonpower	ed AGE	1	© TO TO TO TO TO TO TO TO TO TO TO TO TO
NUTE: If any tasi write it o	k you perform under this duty is not listed, on page 47 or 48.		Ծ ՓՓՓФФФФФ
			രമെത്തെന്നുക
			<u></u> ФФФФФФФФФФ
			appapapapa
			വരായത്തെയാത

1. Check tasks you perform now (\(\sigma\). 2. On the back of the book, write in any unitsted tasks which you do now. 3. In the "Time Spent" column, rate all checked (\(\sigma\) tasks on time	Check	TIME SPENT Present Job
P. MAINTAINING 780 EQUIPMENT	IF DONE NOW	1. Very small amount. 2. Much below average. 3. Below average. 4. Slightly below average. 5. About average. 6. Slightly above average. 7. Above average. 8. Much above average. 9. Very large amount.
1. Apply corrosion control compounds such as paints		രമ്മ മമമമാവേ
2. Assign classification to stored 780 equipment		റമ്മർമ്മ രമു
3. Coordinate with base activities on missing 780 equipment		ರಾಧಾರಾಧ್ಯಾಥ
4. Coordinate with base packing and shipping on methods of packing 780 equipment		Coopparati
5. Coordinate with shipper on transportation of 780 equipment		000000001
6. Coordinate with supply on initial issue of 780 equipment		Coddatett
7. Cover 780 equipment		organisms.
8. Crate or uncrate 780 equipment		044444641
Draft correspondence or messages to locate missing 780 equipment	ř	ceerecer
10. Ground external fuel tanks in storage	j	027111241
11. Inspect cargo loading traverser systems	ļ	coaracaa
12. Inspect due dates on 780 equipment status tags	İ	Colorater
13. Inspect external stores		occircai
14. Inspect 780 equipment for serviceability	!	occarece?
15. Inventory 780 equipment		occurren
16. Lubricate 780 equipment	}	001010511
17. Operate cargo loading traverser systems	1	receives
18. Operationally check cargo-loading traverser systems	 	DESTEROUGO
19. Perform minor maintenance of 780 equipment such as tighten bolts	!	00101111
20. Pick up or deliver 780 equipment	İ	Coaroacar
21. Remove corrosion from 780 equipment	1	೦ಥೂಡಿಡಿಡಡಿಡ
22. Remove or install cargo-loading traverser systems	1	COCOCOCO
23. Research inventory master guides		000000000
24. Review or annotate government bills of lading (GBL)		COORDAGO

2. Check tasks you perform now (\(\sigma\)). 2. On the back of the book, write in any unitated tasks which you 3. In the "Time Spent" column, rate all checked (\(\sigma\)) tasks but		TIME SPENT Present Job
DOCOCOCO Sport in present jeb. AFSC 431X AFSC 431X DOCOCOCOCO P. MAINTAINING 780 EQUIPMENT (CONTINUED	1 ,	1. Very small emount, 2. Much below average, 3. Below average, 4. Slightly below average 5. About average, 6. Slightly above average, 7. Above average, 9. Wory large amount,
25. Select packing materials or methods for 780 equipment		, കരുകരുകരുകയു
26. Trace missing 780 equipment by voice communications		മെമെമെമെമ മ
NOTE: If any task you perform under this duty is not listed write it on page 47 or 48.	d,	റെയെയെയെയാ
		രമ്മരമേരാ മമ
		മെമെമെമ ാവന
Q. PERFORMING GENERAL ENGINE MAINTENANC	E	0000000000
		ФФФФФФФФФ
		0000000000
1. Adjust engine fuel controls		೦ಥವಾಥಾಥಾಥಾಥಾಥ
2. Adjust engine oil pressure		C D D D D D D D D D
3. Adjust variramp air induction systems		0000000000
4. Clean cartridge-type starters		0000000000
5. Clean engine air intake ducts		 ODOOOOOO
6. Clean engine oil filters		DDDDDDDD
7. Inspect afterburner (AB) eyelids		0000000000
8. Inspect afterburner areas		0000000000
9. Inspect air inlet areas		 Oppopopor
10. Inspect belmouth air induction system components		೦ಥಿಕೂಡಿಕೊಡ್ಡಿಗಳ
11. Inspect bleed valves		0000000000
12. Inspect bleed valve actuators		നമരത്തെത്ത ന
13. Inspect bleed valve governors		OOOOOOOO
14. Inspect blow-in, sucker, or flipper doors		റമാരാർവാർ
15. Inspect cartridge-type starters		
16. Inspect engine accessories, such as fuel pumps, hydrau pumps, or constant speed drives (CSD)	lic	ՓՓՓՓФФФФ

DOCODO 1. Check tasks you perform nom (\checkmark).		TIME SPENT
2. On the back of the book, write in any unlisted tasks which you do now 3. In the "Time Sport" column, rate all checked (/) tasks on time	Check	Present Job
Spent in present job.		1. Water amount
COCOCIOCO AFSC 431X1	7 .	1. Very small amount. 2. Much below average.
00000	/	3. Bolow average
	IF.	4. Slightly below average.
Q. PERFORMING GENERAL ENGINE MAINTENANCE	DONE	5. About average 6. Slightly above average
(CONTINUED)	NOW	7. Above average.
	""	8. Much above average.
	1	9. Very large amount.
17. Inspect engine air lines or fittings	 	000000000
18. Inspect engine compressor blades	†	000000000
19. Inspect engine firewalls		000000000
20. Inspect engine fuel controls	 	മരമേരമരാത്ത
21. Inspect engine fuel filters	 -	0000000000
21. Inspect engine ruer rivers		
22. Inspect engine indicators or instruments		@@@@@@@@@
23. Inspect engine oil coolers		opagaggaa
24. Inspect engine oil cooler inlets	,	coccecer
25. Inspect engine oil filters	!	cococca
26. Inspect engine oil lines or fittings	i	popoportu
27. Inspect engine quick-disconnect lines		ODDODO CTT
28. Inspect engine throttle system components	:	opposer
29. Inspect engine turbine stator blades	•	COCCACAA
30. Inspect engine vortex systems		ocooracar
31. Inspect or clean cartridge-type starter breech caps	4	OCCORCACA
32. Inspect pneumatic starters		ಎಥವಾಥವಾಧವಾಗ
33. Inspect pneumatic water injection pumps or brackets		മെയ്യമെയ്യു
34. Inspect pressurization or dump valve screens		ಹಾರಾರಾರ್ಥಾಗಿ
35. Inspect propellers	Ī	ODOOOOOOO
36. Inspect spike air induction systems	l	മെയ്യായത്തെ
37. Inspect thrust reverser systems		മെയയയയാ
38. Inspect translating cowl induction systems	i	OOOOOOOO
39. Inspect variramp air induction systems	!	DOTO O O O O O
40. Inspect visible engine mounts or attach points		COOGGGGGG

(Continued next page)

	I. Check tasks you perform now (\(\stacks \)). 2. On the back of the book, write in any unlisted tasks which you do now. 3. In the "Time Spont" column, rate all checked (\(\stacks \)) tasks be time apont in present job.	Check	TIME SPENT Present Job
	Q. PERFORMING GENERAL ENGINE MAINTENANCE (CONTINUED)	JF DONE NOW	1. Very small amount, 2. Much below average, 3. Below average, 4. Slightly below average, 5. About average, 6. Slightly above average, 7. Above average, 8. Much above average, 9. Very large amount,
-i. Operationally	check belmouth air induction systems		்கள்கள்கள்
72. Operationally	check engine ignition systems	1	<u> </u>
143. Uperationally	check engine throttle systems	 	യമായത്തെത്ത
144. Operationally	check spike air induction systems		Canananana
145. Operationally	check variramp air induction systems		<u>നമയക്തമായക</u>
46. Perform engir	ne exhaust gas temperature spread tests		<u> </u>
47. Perform opera	ictional checks of Ab eyellds	İ	<u> </u>
148. Perform opera	itional checks of oil cooler doors or flaps		STREETSTE
49. Perform opera	itional checks of pheumatic starters)	<i>കാര അത്ര</i> കാര്യം
150. Perform Opera	itional checks of propeller control systems	;	rocratate
:51. Perform opera	itional checks of thrust reverser systems	1	Opposition
52. Perform opera	itor maintenance on aircraft-installed ower plants	j	Seasanana
1:3. Perform press	sure checks of fuel manifolds	-	<u>രമാസസസനമനം</u>
54. Perform Visua	I inspections of water injection systems		രമ്മത്തന്നെത
195. Remove or ins	stall starter cartridges	1	റമാമത്തന്നെത്ത
156. Remove or rep	place auxiliary power plant components	ì	രമയമയമയാ
157. Remove or rep components	place belmouth air induction system	1	<u>തെതെത്തെത്തെത്ത</u>
•	place blow-in, sucker, or flipper doors	 	DODODODO
19. Remove or rep	place engine cowlings	1	ത്രമന്ത്രത്ത
160. Remove or rep alternators	Dlace engine-driven generators or		മെമക്ഷക്ഷക
61. Remove or rep	Diace engine oil coolers		<u> ക്രമ്പര്യക്ഷാക്ഷ</u>
62. Kemove or rep	place engine oil filters	1	രമായത്തെയാക
63. Remove or rep	Place engine oil lines		<u>രമത്തെയാൻയ</u>
M. Kemove or rep	place engine nose domes		Descendence
		***************************************	And nous assay

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1. Check tasks you perform now (/). 2. On the back of the book, write in any unlisted tasks which you do now. 3. In the "Time Spent" column, rate all checked (/) tasks on time spent in present job.	Check	TIME S'ENT Present Job
AFSC 431X1 AFSC 431X1 OCCOPDED OC	IF DONE NOW	1. Very small amount, 2. Much below average, 3. Below average, 4. Slightly below average, 5. About average, 6. Slightly above average, 7. Above average, 8. Much above average, 9. Very large amount,
65. Remove or replace igniter plugs		೦೦೦೦೦೦೦೦೦೦
66. Remove or replace propellers		ക്കെയ്യെയ്യ
67. Remove or replace spike air induction system components		COCOCOCO
68. Remove or replace throttle system components		<u>ಎಥಡಿಥಿಥಾಥಿಥಾಥ</u>
69. Remove or replace thrust augmentation system components		Correcto
70. Remove or replace thrust reverser system components		oppapapana a
71. Remove or replace translating cowl induction system		programme
72. Remove or replace variramp air induction systems		cratarra
73. Remove or replace water regulators		Continuous
74. Rig belmouth air induction system components		oranacia
75. Rig engine throttle systems		Opposite the
76. Rig spike air induction system components		cacarasas
77. Rig translating cowl induction systems		opagaacaa
78. Rig variramp air induction system components		ansarana
79. Service pneumatic starters with oil		COCOCOCO
80. Troubleshoot belmouth air induction system components		ansanana
81. Troubleshoot engine throttle systems		an careere
82. Troubleshoot variramp air induction system components		arpararaa
NOTE: If any task you perform under this duty is not listed, write it on page 47 or 48.		COORDOOOC
The Alberta William The Market Tale Market Tale Market Tale Market Tale Market Tale Market Tale Tale Tale Tale Tale Tale Tale Tale		ാമമരമരമരമ
		ം കരുത്തത്തെ വ
		നമരമമമമമമ
		COCOCOCO
		രമയമമയയാ ക

	 Check tasks you perform now (\$\sqrt{\sin}}}}}}\signation}\sqrt{\sint{\sint{\sin}\sint{\sin}}}}}}\signation}\signation}\signatinnd{\signation}\signation}\signation}\sig	Check	TIME SPENT Present Job
	AFSC 431X1 R. MAINTAINING RECIPROCATING ENGINES	IF DONE NOW	1. Very small amount, 2. Much below average, 3. Below average, 4. Slightly below average 5. About average, 6. Slightly above average, 7. Above average, 8. Much above average, 9. Very large amount,
	rocating engine cowl flaps		ക്കെന്നുകൾ വ
2. Inspect reci	procating engine accessory cases		<u> </u>
3. Inspect reci	procating engine carburetor air inlets		<u> കമകരകരകര</u> ക
4. Inspect reci	procating engine carburetor linkages		০ককককককক
5. Inspect reci	procating engine cylinder fins		<i><u>o</u>aaaaabca</i> 1
6. Inspect reci	procating engine cylinder heads	† – †	ರಾರಾರಾಧಾರಾಧಾಗ
7. Inspect reci	procating engine exhaust manifolds		<u> </u>
8. Inspect reci	procating engine ignition harnesses		νικαφοφοφ
9. Inspect reci	procating engine magnetos	;	<u> </u>
10. Inspect reci	procating engine oil breather stand pipes		00000000
ll. Inspect reci regulators	procating engine propeller governor		000000000
	ational checks of cowl flaps	, 	000000000
13. Perform wet systems	run test of anti-detonant injection (ADI)		Crasarsar
14. Remove or re	place ADI system components		000000000
15. Remove or re	place carburetors		oppoprann
16. Remove or re	place magnetos		oppoparan.
17. Remove or res	place reciprocating engine carbureton		<u>രമതത്തനാനന</u>
18. Remove or re	place reciprocating engines		Carararara
19. Remove or re	place reciprocating engine spark place		<u>aasaaaaaa</u>
20. Remove or re	place turbo superchargers		<u>overvovo</u>
21. Run up or ope	erate reciprocating engines	-	<u> </u>
22. Service ADI	systems		<u>റെയെത്തെത്ത</u>
23. Service recipregulators	procating engine propeller governor	,	മതതന്ത്രത്തെ
24. Troubleshoot	malfunctions within reciprocating engine r carburetor systems	1	<u>ത്രമരത്തെന്നു</u>
		Contin	nued next page)

QC_QQQ 1. Check tasks you perform now (\checkmark).	Jan. 1	TIME SPENT
2. On the back of the book, write in any unlisted tasks which you do now. 3. In the "Time Spont" column, tate all checked () tasks on time spont in present job.	Check	Present Job
AFSC 431X1 COCOCCCC R. MAINTAINING RECIPROCATING ENGINES (CONTINUED)	IF DONE NOW	1. Very small amount, 2. Much below average, 3. Below average, 4. Slightly below average, 5. About average, 6. Slightly above average, 7. Above average, 8. Much above average, 9. Very large amount,
25. Troubleshoot reciprocating engine ignition systems		000000000
26. Troubleshoot reciprocating engine oil pressure systems		ರಾರಾರಾಧಾರ್ಥ
NOTE: If any task you perform under this duty is not listed, write it on page 47 or 48		000000001
		೧ 000000000
		©©©©©©©©
S. MAINTAINING TURED-PROPELLER ENGINES		೦೦೦೦೦೦೦೦೦
		000000000
		ODDGGGGGG
1. Adjust temperature datum (TD) valves		000000001
2. Adjust TD amplifiers		00000001
3. Adjust turbo-prop engine gear box oil pressure		
4. Inspect turbo-prop rear scavenge oil pumps		ODDGGGGG
5. Monitor or operate turbo-prop engines		CLEGERGE
6. Perform turbo-prop engine dry trim		000000000
7. Perform turbo-prop engine wet trim		000000000
8. Remove or replace turbo-prop engines		000000000
9. Rig turbo-prop engine fuel coordinators		000000000
10. Rig turbo-prop propellers		000000000
11. Service turbo-prop propellers		000000000
NOTE: If any task you perform under this duty is not listed, write it on page 47 or 48.		മമമമമമമ മ
		ФФФФФФФФФ
		നമരത്തെയാത ര
		000000000
		anononono

	1. Check tasks you perform now (\(\sigma \)). 2. On the back of the back, write in any unlisted tasks which you do now.	Check	TIME SPENT Present Job
	3, in the "Time Spent" column, rate all checked (\$\times \) tasks on time spent in present job. AFSC 431X1 T. MAINTAINING TURBO-JET ENGINES	IF DONE NOW	1. Very small amount. 2. Bluch below average. 3. Below average. 4. Slightly below average, 5. About average. 6. Slightly above average, 7. Above average. 8. Bluch above average. 9. Very large amount.
	remove fan stoppers		Canadanagaa
2. Monitor or o	operate turbo-jet engines		ವರುಕಾರಾರ್ಥಾರ್
ن. Operational	ly cneck turbo-jet starter centrifugal switches	 	Caramanana
Perform turk	oo-jet FOD inspections		arcarara
5. Perform turi	po-jet engine dry trim		CADARAGA
6. Perform turi	po-jet engi ne wet trim		Caranaran
Remove or re	eplace turbo-jet engines		commences
FOTE: If any tag	sk you perform under this duty is not listed.	i	arcarara
		1	connuncia
		į	consists
	U. MAINTAINING TOW TARGETS	1	cracarsar
		i	STABARTSAR
		1	COCOCOCOCO
Annotate at	rcraft placards		apparance
Assemble to	w targets	1	paragarra
3. Attach targ	ets to tow cables	T	Caradanana
- Clean tow r	eel cable cutters		CAGAGGGGGG
5. Control cab	le cutter cartridges	1	<u> കൊത്തെയുന്നു</u>
i. Cut tow cab	les		anananan
. Inspect rew	ind stands	1	agagagaga
o. Inspect tow	reels		anonnana
y. Inspect tow	target bridle components		conneces
iv. Inspect tow	target bridle cables		and the second second
il. Inspect tow	target bridles	1	CONTRACTOR
CODE 90	116	(Cont	inued next page)

1. Check tasks you perform now (\(\struct \). 2. On the back of the beek, write in any unitated tasks which you do now. 3. In the "Time Spent" column, rate all checked (\(\struct \) tasks on time	Check	TIME SPENT Present Job
DECEMBENT IN PROSENT 198. AFSC 431X1 DECEMBENT IN PROSENT 198. AFSC 431X1 U. MAINTAINING TOW TARGETS (CONTINUED)	IF DONE NOW	1. Very small amount, 2. Much below average, 3. Below average, 4. Slightly below average, 5. About average, 6. Slightly above average, 7. Above average, 8. Much above average, 9. Very large amount,
12. Inspect tow target cable reels		മെത്തെയോത്ത
13. Inspect tow target wings		നമരശരശര ന്നു
14. Inspect uploaded tow targets		മരായായായായാ '
15. Install or remove cable cutter cartridges	1	©®®®®®®®®®®®®®®®®®®®®®®®®®®®®®®®®®®®®
16. Isolate malfunctions within tow reel logic modules		000000000
17. Isolate malfunctions within tow reel units		©@@@@@@@@
18. Load or unload tow reels	1	നമനത്തെന്നത
19. Load or download tow targets		000000000
20. Load tow reel spool cables		©©©©©©©©
21. Lubricate rewind stands		000000000
22. Measure tow target wings for warpage		ට ග ග ග ග ග ග ග ග ග ග
23. Observe target impact areas from airborne aircraft		000000000
24. Operate rewind stands	———	മമമമേമമ മ
25. Operate tow reels in flight	1	
26. Operate tow target cable cutters in flight		നമരത്തെയാത്ത
27. Operationally check tow reels		000000000
28. Package cable cutter cartridges		രമ്പ്പുരത്തെ
29. Paint tow targets		മെമെമെമെ മ
30. Patch tow target wings	1	000000000
31. Perform aircrew preflight inspections of tow target systems	1	000000000
32. Perform balance checks of tow targets	1	000000000
33. Perform maintenance preflight inspections of tow target systems		മ മമമമമമമ
34. Perform stray voltage checks on cable cutter mechanisms		മരമരമരമാ മന
35. Record tow target scoring data		ക്കാരത്തെ

1. Check tasks you perform now (\(\forall \). 2. On the back of the book, write in any unlisted tasks which you do now. 3. In the "Time Spent" column, rate all checked (\(\forall \)) tasks by time	Check	TIME SPENT Present Job
DODODO Apent in present jab. AFSC 431X1 DODODODO DODODODO U. MAINTAINING TOW TARGETS (CONTINUED)	UF DONE NOW	1. Vory small amount, 2. Much below average, 3. Below average, 4. Slightly below average, 5. About average, 6. Slightly above average, 7. Above average, 8. Much above average, 9. Vory large amount,
36. Remove or replace rewind stand components		<u> </u>
37. Remove or replace tow reel components		മെത്തെത്തെ
35. Rewing cable onto tow spools		കരുത്തെയുന്നു
39. Secure cables to spools		000000000
-J. Set up or operate electrical test sets (A/E 37T-18)		മമാരവന്ദ്യാ
-1. Splice tow cables		<u> </u>
41. Store cable cutter cartridges		0000000000
1-3. Store or inventory tow targets		ФФФФФФФФФ
Swage swaging sleeves		രമാ യത്തന്നാത്ത
-5. Test target bridle hook locks		മമമമമമമമമ
i-5. Test tow reel electrical systems		രമായതയയയാ യന
, -7. Tighten sway braces		കരുത്തുകരുത്തു
-o. Transport cable cutter cartridges		
-9. Troubleshoot aircraft-installed tow reels		കരകരകരകര ക
33. Troubleshoot rewind stands		മരമരമെമെ
ii. Unpack tow target assemblies		മെയ്യായ
write it on page 47 or 48.		 ODOOOOOOO
		೦೦೦೦೦೦೦೦೦
:		്മത്തെത്തെ
V. MAINTAINING AERIAL DELIVERY SYSTEMS		നമത്തെത്തെത്ത
		000000000
		<i></i>
1. Adjust overhead delivery system (ODS) or components		മെയെയെയെയ
2. Adjust 463L aerial delivery system or components		നമനത്തെക്ക

	والمراجع والمنافق والمنافق والمنافق والمنافق والمنافق والمنافق والمنافق والمنافق والمنافق والمنافق والمنافق والمنافق		
[Check tasks you perform new (\stack).	1	TIME COCHE
	On the back of the book, write in any untisted tasks which you de now.	Check	TIME SPENT
	in the "Time Spent" column, rate all checked () tasks on time	L	Present Job
00000	spent in present job.		
· · · · · · · · · · · · · · · · · · ·		∤	1. Very small amount.
acaca	AFSC 431X1	1 .	2. Much below average.
@@@@@	M 30 431X1	V	3. Below average.
		15	4. Slightly below average.
@@@@@		1	5. About average,
	. MAINTAINING AERIAL DELIVERY SYSTEMS	DONE	6. Slightly above average.
anaaaaa	(CONTINUED)	NOW	7. Abeve average.
	(505.1025)	MON	8. Much above average.
		[9. Very large amount.
1 1 1 1 1 1			J. Very large amount.
Inspect aerial	delivery bomb racks or components		രത്തരത്തെത്ത
4. Inspect ODS			ФФФФФФФФФ
5. Inspect 463L ae	erial delivery equipment		ഒരെ ഒരെ ഒര
<u> </u>		L	
	check aerial delivery bomb racks		്
7. Operationally c	theck ODS		ക്കാരാരാരാ
	neck 463L aerial delivery equipment		മെമർദ്ദേഗമ ർ
equipment othe			ാമാ യ വരായ വരായ
10. Perform operati delivery equip	onal checks of installed 463L aerial		0000000000
11. Remove or repla	ice aerial delivery bomb racks or components		്മ മരമമെയാത
12. Remove or repla	ce aerial delivery systems other than 463L		ാമതരത്തെ യത്ത
13. Remove or repla	ce ODS components		് മെയ്യായായായ
14. Remove or repla	ce 463L aerial delivery system components		0000000000
15. Remove or repla hardware	ce 463L aerial delivery system minor		ാമതാരത്തേത്ത
16. Remove or repla	ice 463L aerial delivery systems		രമ്മരമ്മെ ത്ത
17. Troubleshoot ae	rial delivery bomb racks		മമമരുത്ത രമ
18. Troubleshoot in 463L	istalled aerial delivery systems other than		്മാ ത്രത്തെത്ത
	stalled 463L aerial delivery equipment		നമാരത്തെയാ
NOTE: If any task y write it on	ou perform under this duty is not listed, page 47 or 48.		മമമരമരമര വം
			മമാ രന്ത്രാരത
			മമമരരുമെ വര
W	N. MAINTAINING INFLIGHT REFUELING (IFR) SYSTEMS		ാമാവരാമാ വാവ
			രമാരരമമരന മ
			രമാരരമാമ ക
1. Inspect infligh	nt refueling booms		മമമരമമമമ മ

1. Check tasks you perform now (\(\sigma\). 2. On the back of the book, write in any unlisted tasks which you do now. 5. In the "Time Spent" column, rate all checked (\(\sigma\)) tasks be time	Check	TIME SPENT Present Job
spent in present jeb. AFSC 431X1 AFSC 431X1 AFSC 431X1 AFSC 431X1 AFSC 431X1 AFSC 431X1 AFSC 431X1 AFSC 431X1 AFSC 431X1 AFSC 431X1 AFSC 431X1 AFSC 431X1 AFSC 431X1 AFSC 431X1 AFSC 431X1 AFSC 431X1 AFSC 431X1	J IF DONE MOW	3. Very small amount, 2. Much below average, 3. Below average, 4. Slightly below average, 5. About average, 6. Slightly above average, 7. Above average, 8. Much above average, 9. Very large amount,
2. Inspect inflight refueling doors		രമാരത്തെയാ
3. Inspect inflight refueling pod assemblies		0000000000
4. Inspect inflight refueling pod hose assemblies		<u>ാ</u> തയായായായയ
 Operationally check inflight refueling boom sighting windows 		ഠമമരമമാരമ
6. Operationally check inflight refueling door lights	1	ാമതമേരാമത
7. Remove or replace inflight refueling boom drogues	1	ാമ മമെമെമെമ
8. Remove or replace inflight refueling boom drogue components	1	೦೦೦೦೦೦೦೦೦
9. Remove or replace inflight refueling door light bulbs	·	೦ಥ೦೦೦೦೦೦೦
110. Remove or replace inflight refueling hoses	i	ഠമമരമെമെമ
iil. Remove or replace inflight refueling pods	1	ഠമാദരമാരാ
12. Rig inflight refueling doors		രമാദ്യമാര
113. Service inflight refueling pod accumulators	1	<u>രമാരത്തെന്നു</u>
114. Troubleshoot inflight refueling pod systems		റ മമരമമെമെ
115. Visually inspect inflight refueling boom drogues	1	ල ග ග ග ග ග ග ග ග ග
mOTE: If any task you perform under this duty is not listed, write it on page 47 or 48.		
	+-	ට ග ග ග ග ග ග ග ග ග ග ග ග ග ග ග ග ග ග ග
RETURN TO PAGE XII AND FOLLOW PROCEDURE B.		0000000000
		0000000000
WHEN YOU HAVE COMPLETED ALL RATINGS IN "TIME SPENT CURRENT JOB" COLUMN, PAGES 1-46, YOU WILL HAVE		
COMPLETED THIS USAF JOB INVENTORY, AND YOU MAY TURN THIS BOOKLET IN TO YOUR OCCUPATIONAL SURVEY CONTROL		<u>രമാരതയേയ</u> ത
OFFICER.		റമരര മരമെ
		<u>രമാരശരശേശ</u>