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**AIR FORCE** 

**HISTORICAL TASK ANALYSIS OF C-130E  
MAINTENANCE JOBS**

By

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| 20 ABSTRACT (Continue on reverse side if necessary and identify by block number)<br>This concluding HWSA report provides the results of data acquired at Little Rock Air Force Base, Arkansas, wherein 274 airmen personnel encompassing 11 Air Force Specialties completed task inventories against 6,294 C-130 maintenance tasks. Cumulative frequency polygons and histograms portraying duty/task results of each of the 11 AFSCs are also portrayed. |                      |   |

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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")<sup>1</sup> 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                        | <u>SAMPLE</u><br><u>N</u> |
|--|---------------------------|
| 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)<sup>2</sup> 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; 2) 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 enabling 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



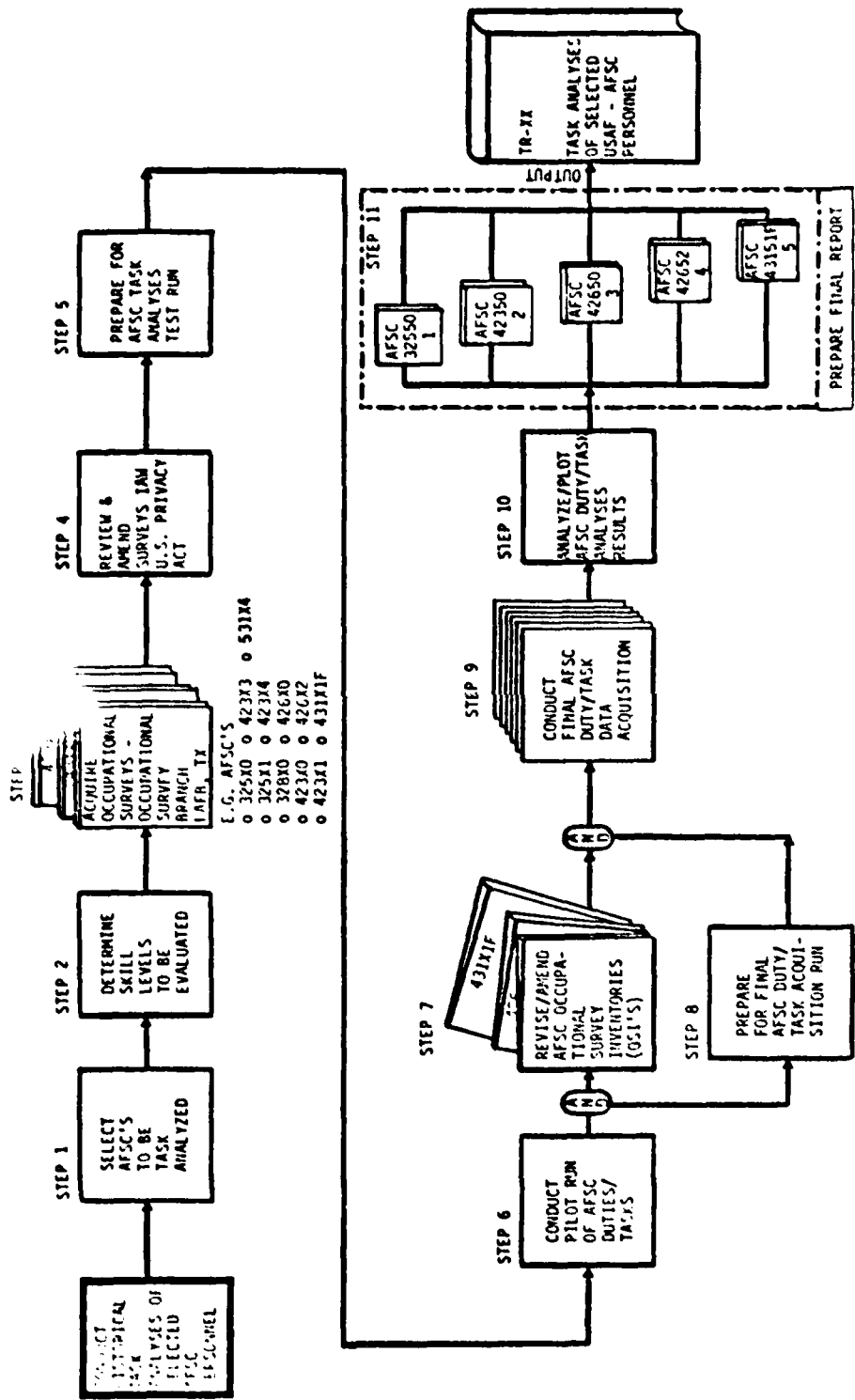


Figure 1 Historical AFSC Duty/Task Analyses Methodology

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 illustrated 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 bivariate 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 ( $\bar{X}$  of 13.7 Personnel per hour)

| ITEM   | AFSC/NOMENCLATURE                        | CORRELATION VALUES | NO. OF FUNCTIONS         | NO. OF TOTAL TASKS | SAMPLE "N" | TOTAL POSSIBLE TASKS     |
|--|--|--------------------|--------------------------|--------------------|------------|--------------------------|
| 1  | 325X0 - Automatic Flight Control Systems | .571               | 18                       | 487                | 16         | 7,792                    |
| 2  | 32551 - Avionics Instrument Systems      | .585               | 14                       | 928                | 20         | 18,560                   |
| 3  | 32850 - Avionics Communications Systems  | .561               | 17                       | 521                | 29         | 15,109                   |
| 4  | 42350 - Aircraft Electrical Systems      | .591               | 11                       | 424                | 27         | 11,448                   |
| 5  | 42351 - Aircraft Environmental Systems   | .554               | 18                       | 736                | 11         | 8,096                    |
| 6  | 42353 - Aircraft Fuel Systems            | .529               | 11                       | 297                | 15         | 4,455                    |
| 7  | 42354 - Aircraft Pneumatic 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 Maintenance            | .613               | 23                       | 977                | 50         | 48,850                   |
| 11   | 53154 - Corrosion Control                | .608               | 16                       | 457                | 21         | 9,597                    |
|  |  |                    | $\Sigma = 169$ Functions | $\Sigma = 6294$    | 274        | $\Sigma = 162,430$ Tasks |
| $\bar{X}$ number of tasks per function = 37.243 i.e. : $\frac{6294}{169} = 37.243$ |  |                    |                          |                    |            |                          |

Total numbers of possible tasks inventoried = 162,450

Average number of personnel/OSI =  $\frac{274}{11} = 24.9$

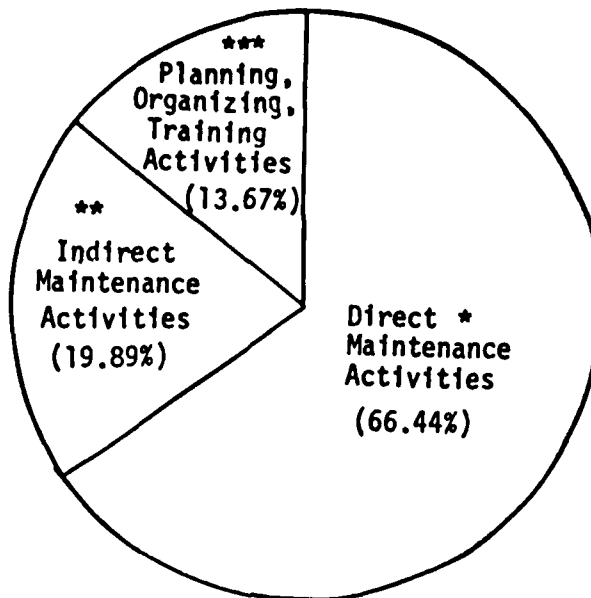


Figure 2 - AFS Functional Time Allocations Summary

- \* DIRECT MAINTENANCE - Those tasks performed by personnel within the 11 selected AFSs during organizational 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 AFSCs inventoried.

AFSC 32550 - (Automatic Flight Control Systems)<sup>3</sup>

A total of 16 32550 AFSCs were inventoried. The OSI consisted of 18 major functions encompassing 487 detailed tasks. Table 2 provides a synopsis 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)<sup>4</sup>

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 325X0. 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 2 SUMMARY  
OF  
OSI FUNCTIONAL TITLES/NOMENCLATURES

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

| 1        | 2  | 3               | 4              | 5              | 6                |
|----------|--|-----------------|----------------|----------------|------------------|
| FUNCTION | TITLES/NOMENCLATURES                                   | NUMBER OF TASKS | REL. FREQ. (%) | TASKS RECORDED | FUNCTION PERCENT |
| A        | Planning and Organizing                                | 34              | 1.0267         | 5              | 14.71            |
| B        | Directing and Implementing                             | 36              | 5.1335         | 25             | 69.45            |
| C        | Evaluating and Impacting                               | 37              | 4.5174         | 22             | 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            |
| G        | Performing General Maintenance Tasks                   | 100             | 17.4538        | 85             | 85.00            |
| H        | Calibrating and Adjusting Test Eqmt.                   | 23              | 4.3121         | 21             | 91.30            |
| I        | 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. Pit. Control Sys.                    | 42              | 6.3655         | 31             | 73.81            |
| M        | Maintaining Stall Warning or Stallimeter Systems       | 13              | 0.8213         | 4              | 30.77            |
| N        | Maintaining Go-around Sys. such as GAAS or RGA Systems | 13              | 2.6694         | 13             | 100.00           |
| O        | Maintaining Active Lift Dist. Control Systems (ALDCCS) | 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. =  $\frac{\text{No. Tasks Performed}}{\text{Total Tasks}}$  e.g.  $\frac{5 \text{ Tasks}}{387 \text{ Tasks}} = 1.0267\%$

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

Column 6 Function Percent =  $\frac{\text{No. of Tasks Performed}}{\text{No. of Tasks/Function}}$  e.g.  $\frac{5 \text{ Tasks}}{34 \text{ Tasks}} = 14.71\%$

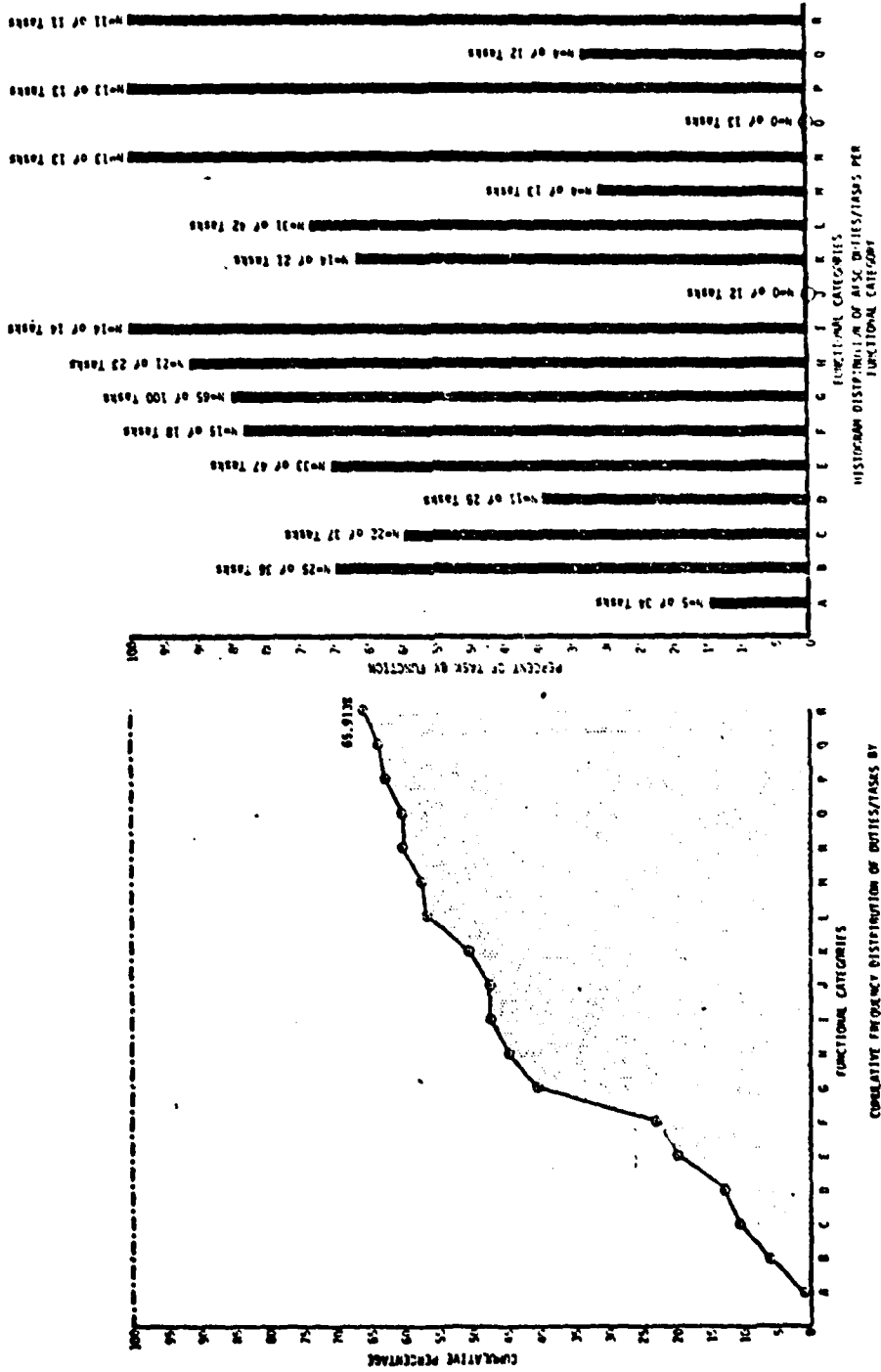


Figure 3 AFSC 32550 Automatic Flight Control Systems Specialist



TABLE 3 SUMMARY  
OF  
OSI FUNCTIONAL TITLES/NOMENCLATURES

AFSC OSI: 32551 Avionics Instrument Systems Specialist Career Ladder  
(AFPT 90-325-128)

| 1        | 2   | 3               | 4              | 5              | 6                |
|----------|---|-----------------|----------------|----------------|------------------|
| FUNCTION | TITLES/NOMENCLATURES  | NUMBER OF TASKS | REL. FREQ. (%) | TASKS RECORDED | FUNCTION PERCENT |
| A        | Organizing and Planning   | 29              | 0.7543         | 7              | 24.14            |
| B        | 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            |
| E        | 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            |
| I        | Removing From and Installing Instrument 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            |
| M        | 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) =  $\frac{\text{No. of Tasks Performed}}{\text{Total Tasks}}$  e.g.  $\frac{7}{928} = 0.7543\%$

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

Column 6 Function Percent (Proportion) =  $\frac{\text{No. of Tasks Performed}}{\text{No. of Tasks Per Function}}$  e.g.  $\frac{7}{29} = 24.14\%$

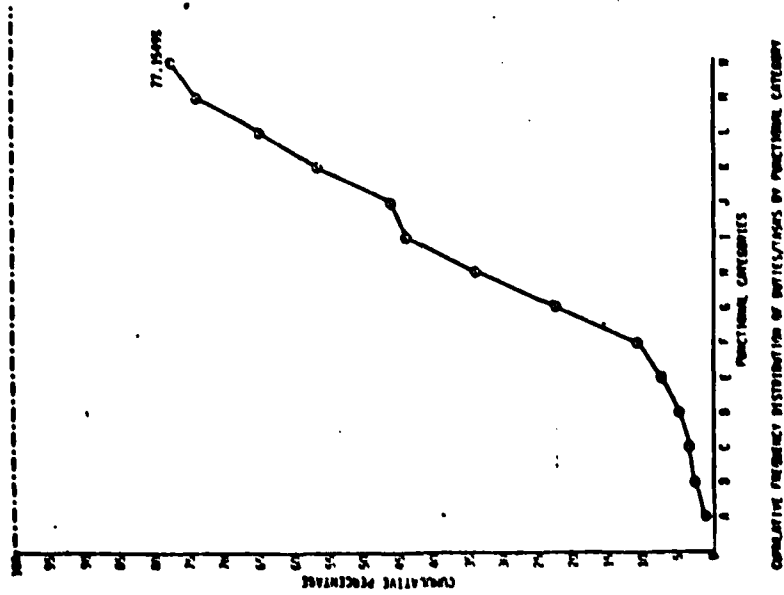
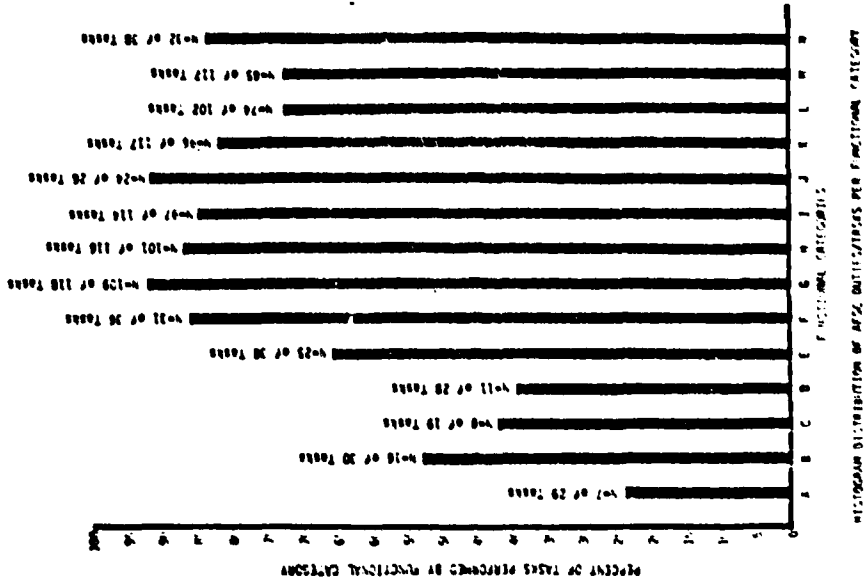


Figure 4 AFSC 32551 Avionics Instruments Systems Specialist

B

AFSC 32850 - (Avionics Communications Systems)<sup>5</sup>

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)<sup>6</sup>

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)<sup>7</sup>

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 SUMMARY  
OF  
OSI FUNCTIONAL TITLES/NOMENCLATURES**

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

| 1             | 2   | 3                  | 4                | 5                 | 6                   |
|---------------|---|--------------------|------------------|-------------------|---------------------|
| FUNCTION      | TITLES/NOMENCLATURES  | NUMBER<br>OF TASKS | REL.<br>FREQ.(%) | TASKS<br>RECORDED | FUNCTION<br>PERCENT |
| 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               |
| E             | Working with Forms, Records, Reports,<br>Directives or Technical Data | 25                 | 2.6871           | 14                | 56.00               |
| F             | Inspecting for Quality or Adherence<br>to Technical Data              | 16                 | 2.8791           | 15                | 93.75               |
| G             | Performing Gen. Maint. Sys. Line<br>Maintenance Tasks                 | 24                 | 4.6065           | 24                | 100.00              |
| H             | Performing Gen. Com. Sys. Shop Maint.<br>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<br>Communications Equipment        | 59                 | 11.1324          | 58                | 98.30               |
| K             | Performing Flt Shop Maint. on Aircrew<br>Communications Equipment     | 51                 | 9.5969           | 50                | 98.04               |
| L             | Performing Flt Line C/O of ACP Radio<br>Equipment                     | 41                 | 3.6468           | 19                | 46.34               |
| M             | Performing Flt Line C/O of ACP Com.<br>Ancillary Equipment            | 45                 | -                | 0                 | 00.00               |
| N             | Performing Flt Line C/O of ACP<br>Associated Equipment                | 20                 | 1.1516           | 6                 | 30.00               |
| O             | Performing ACP Inflight Technician<br>Operator Functions              | 9                  | 0.3838           | 2                 | 22.22               |
| P             | Performing Flt Shop Maint. of ACP<br>Communications Components        | 58                 | 3.4549           | 18                | 31.03               |
| Q             | Performing Com. Sys Analyzer O&M<br>Functions                         | 26                 | 1.3436           | 7                 | 26.92               |
| <b>TOTALS</b> |   | <b>521</b>         | <b>57.1792</b>   | <b>298</b>        |                     |

Column 4 Relative Freq. (Proportions) =  $\frac{\text{No. of Tasks Performed}}{\text{Total Tasks}}$  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) =  $\frac{\text{No. of Tasks Performed}}{\text{No. of Tasks Per Function}}$  e.g.  $\frac{7}{19} = 36.842\%$

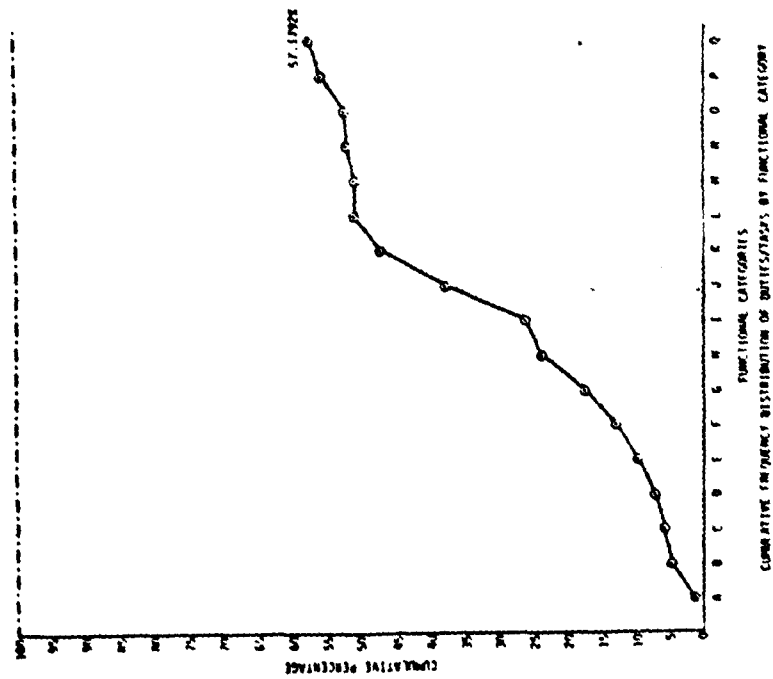
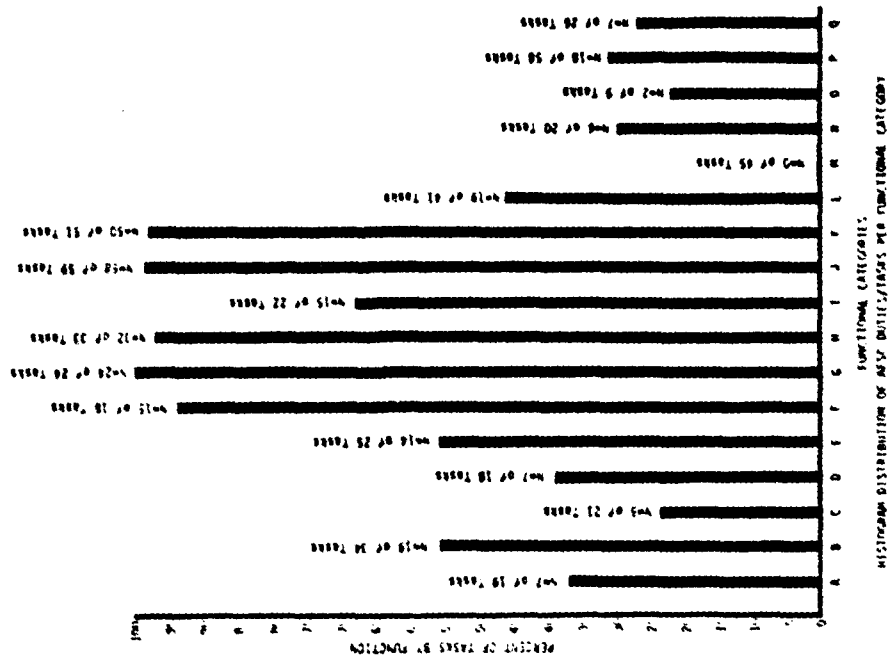


Figure 5 AFSC 32850 Avionics Communications Specialist

TABLE 5 SUMMARY  
OF  
OSI FUNCTIONAL TITLES/NOMENCLATURES

AFSC OSI: 42350 Aircraft Electrical Systems Specialist Career Ladder

| 1<br>FUNCTION | 2<br>TITLES/NOMENCLATURES                                     | 3<br>NUMBER<br>OF TASKS | 4<br>REL.<br>FREQ. (%) | 5<br>TASKS<br>RECORDED | 6<br>FUNCTION<br>PERCENT |
|---------------|---|-------------------------|------------------------|------------------------|--------------------------|
| A             | Organizing and Planning                                       | 21                      | 3.3018                 | 14                     | 66.66                    |
| B             | Directing and Implementing                                    | 22                      | 3.7736                 | 16                     | 72.72                    |
| C             | 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 Circuits                       | 44                      | 9.6698                 | 41                     | 93.18                    |
| H             | Troubleshooting Aircraft Electrical Systems                   | 44                      | 10.3774                | 44                     | 100.00                   |
| I             | Bench Checking Conventional and Solid State Components        | 98                      | 22.6415                | 96                     | 97.96                    |
| J             | Performing General Aircraft Electrical Shop Maintenance Tasks | 95                      | 22.1698                | 94                     | 98.95                    |
| K             | Maintaining Test Equipment                                    | 24                      | 5.6603                 | 24                     | 100.00                   |
| TOTALS        |   | 424                     | 69.4517                | 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) =  $\frac{\text{No. of Tasks Performed}}{\text{No. of Tasks Perf Function}}$  e.g.  $\frac{14}{21} = 66.6666\%$

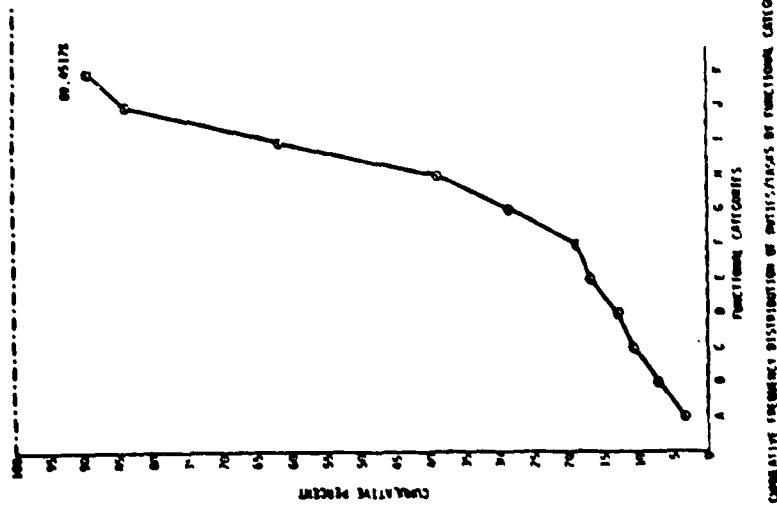
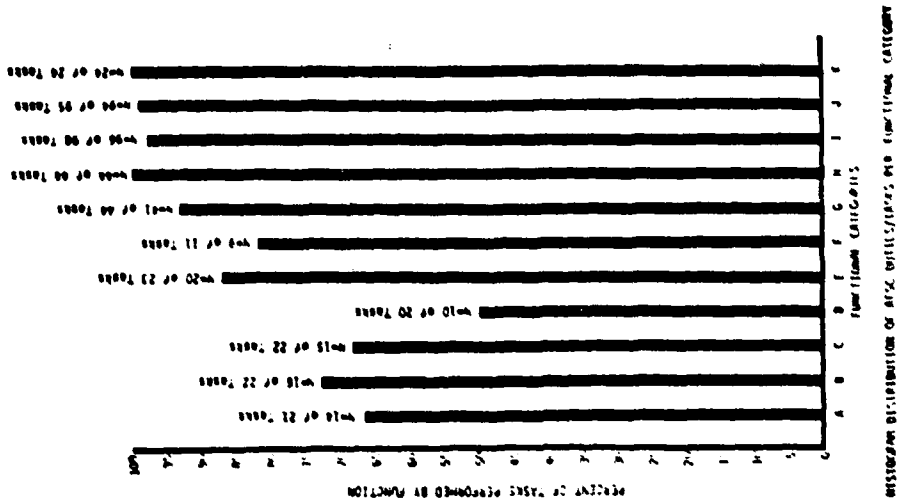


Figure 6 AFSC 42350 Aircraft Electrical Systems Specialist

TABLE 6 SUMMARY  
OF  
OSI FUNCTIONAL TITLES/NOMENCLATURES

AFSC OSI: 42351 Aircraft Environmental Systems Mechanic Career Ladder

| 1        | 2   | 3                  | 4                 | 5                 | 6                   |
|----------|---|--------------------|-------------------|-------------------|---------------------|
| FUNCTION | TITLES/NOMENCLATURES                                  | NUMBER<br>OF TASKS | REL.<br>FREQ. (%) | TASKS<br>RECORDED | FUNCTION<br>PERCENT |
| A        | Organizing and Planning                               | 31                 | 3.9402            | 29                | 93.55               |
| B        | Directing and Implementing                            | 34                 | 3.2608            | 24                | 70.59               |
| C        | Inspecting and Evaluating                             | 27                 | 1.4945            | 11                | 40.74               |
| D        | Training  | 22                 | 1.4945            | 11                | 50.00               |
| E        | Maintaining Acft Combustion Heater Sys                | 11                 | 1.4945            | 11                | 100.00              |
| F        | Maintaining acft Fire Extinguishing Sys               | 36                 | 4.4837            | 33                | 91.66               |
| G        | Maintaining Acft Misc. Equipment                      | 70                 | 0.8152            | 6                 | 8.57                |
| H        | Maintaining Acft Oxygen Systems                       | 77                 | 10.3261           | 76                | 98.70               |
| I        | Maintaining Acft Press. Systems                       | 44                 | 4.2119            | 31                | 70.45               |
| J        | Maintaining Acft Turbine Driven Starters              | 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. Systems              | 12                 | 1.4945            | 11                | 91.66               |
| O        | 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) =  $\frac{\text{No. of Tasks Performed}}{\text{Total Tasks}}$  e.g.  $\frac{29}{736} = 3.9402\%$

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

Column 6 Function Percent (Proportions) =  $\frac{\text{No. of Tasks Performed}}{\text{No. of Tasks Per Function}}$  e.g.  $\frac{29}{31} = 93.55\%$



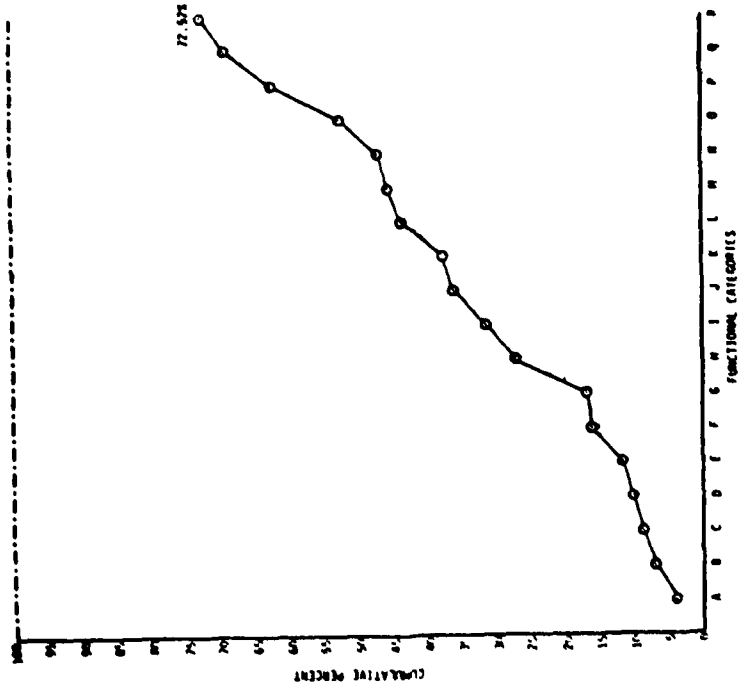
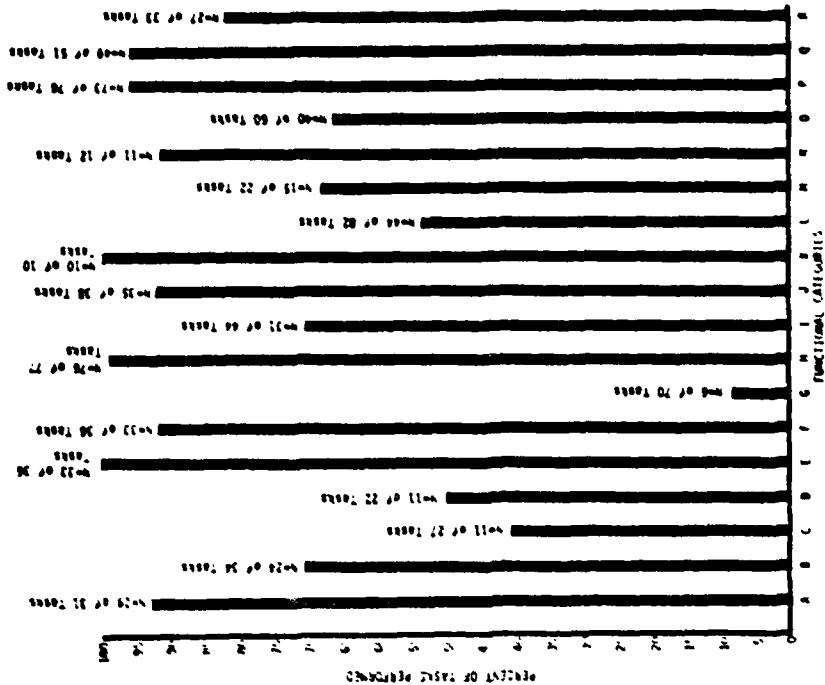


Figure 7 AFSC 42351 Aircraft Environmental Systems Repair Specialist

#### AFSC 42353 - (Aircraft Fuel Systems)<sup>8</sup>

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)<sup>9</sup>

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)<sup>10</sup>

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**

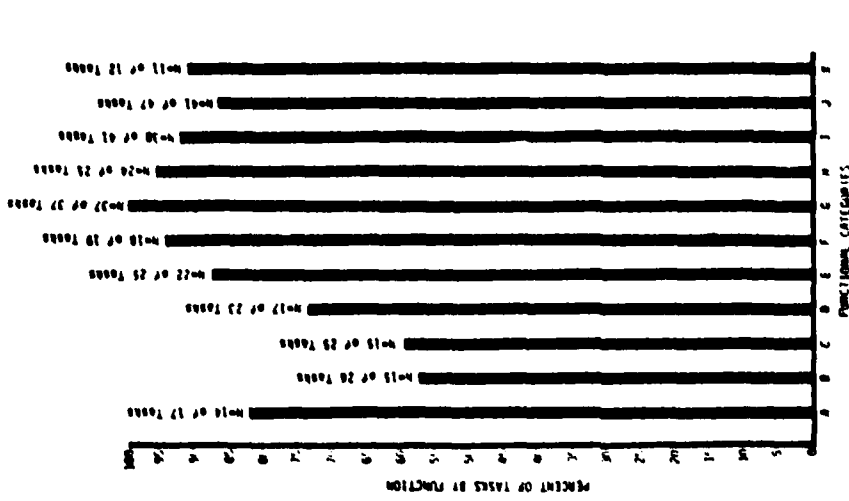
**AFSC OSI: 42353 Aircraft Fuel Systems Mechanic Career Ladder  
(AFPT 90-424-107)**

| 1               | 2  | 3                          | 4                         | 5                         | 6                           |
|-----------------|--|----------------------------|---------------------------|---------------------------|-----------------------------|
| <u>FUNCTION</u> | <u>TITLES/NOMENCLATURES</u>                        | <u>NUMBER<br/>OF TASKS</u> | <u>REL.<br/>FREQ. (%)</u> | <u>TASKS<br/>RECORDED</u> | <u>FUNCTION<br/>PERCENT</u> |
| A               | Organizing and Planning                            | 17                         | 4.7138                    | 14                        | 82.35                       |
| B               | 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<br>Systems Maintenance | 19                         | 6.0606                    | 18                        | 94.74                       |
| G               | Troubleshooting Aircraft Fuel<br>Systems           | 37                         | 12.4579                   | 37                        | 100.00                      |
| H               | Inspecting Aircraft Fuel Systems                   | 25                         | 8.0808                    | 24                        | 96.00                       |
| I               | Removing or Installing Fuel System<br>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                       |
| <b>TOTALS</b>   |  | <b>297</b>                 | <b>84.8484</b>            | <b>252</b>                |                             |

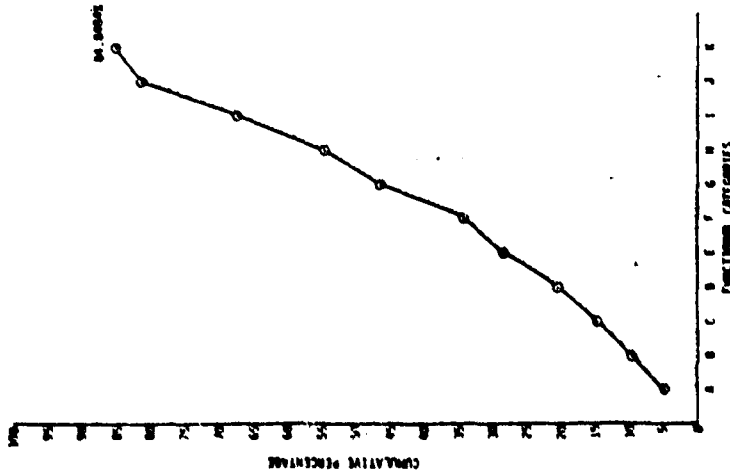
Column 4 Relative Freq. (Proportions) =  $\frac{\text{No. of Tasks Performed}}{\text{Total Tasks}}$  e.g.  $\frac{14}{297} = 4.7138\%$

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

Column 6 Function Percent =  $\frac{\text{No. of Tasks Performed}}{\text{No. of Tasks Per Function}}$  e.g.  $\frac{14}{17} = 82.35\%$



PERCENTAGE DISTRIBUTION OF AFSC DIFFICULTIES PER FUNCTIONAL CATEGORY



CUMULATIVE FREQUENCY DISTRIBUTION OF DIFFICULTIES BY FUNCTIONAL CATEGORY

Figure 8 AFSC 42353 Aircraft Fuel Systems Mechanic

TABLE 8 SUMMARY  
OF  
OSI FUNCTIONAL TITLES/NOMENCLATURES

AFSC OSI: 42354 Aircraft Pneudraulic Systems Mechanic Career Ladder  
(AFPT 90-421-207)

| 1        | 2  | 3                  | 4                | 5                 | 6                   |
|----------|--|--------------------|------------------|-------------------|---------------------|
| FUNCTION | TITLES/NOMENCLATURES   | NUMBER<br>OF TASKS | REL.<br>FREQ.(%) | TASKS<br>RECORDED | FUNCTION<br>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               |
| E        | Working with Forms, Records, Reports<br>and Technical Data                           | 32                 | 4.000            | 23                | 71.88               |
| F        | Inspecting Aircraft Installed<br>Pneudraulic Systems                                 | 64                 | 5.5652           | 32                | 50.00               |
| G        | Performing Operational Checks of<br>Aircraft Pneudraulic Systems                     | 65                 | 4.3478           | 25                | 38.46               |
| H        | Adjusting Pneudraulic Systems and<br>Components                                      | 57                 | 3.1304           | 18                | 31.58               |
| I        | Troubleshooting Aircraft Pneudraulic<br>Systems                                      | 57                 | 3.4783           | 20                | 35.08               |
| J        | Removing, Replacing, and Servicing<br>Aircraft Pneudraulic Systems and<br>Components | 77                 | 5.2174           | 30                | 38.96               |
| K        | Bench Checking Aircraft Pneudraulic<br>Components                                    | 55                 | 8.5217           | 49                | 89.09               |
| L        | Performing In-Shop Maintenance of<br>Aircraft Pneudraulic Components                 | 39                 | 6.6087           | 38                | 97.44               |
| M        | Maintaining Shop and Aerospace<br>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 =  $\frac{\text{No. of Tasks Performed}}{\text{No. of Tasks Per Function}}$  e.g.  $\frac{16}{24} = 66.6666\%$

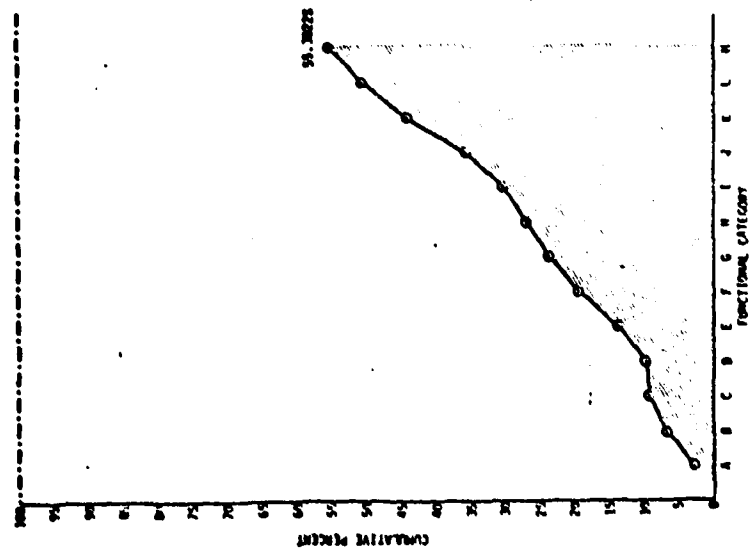
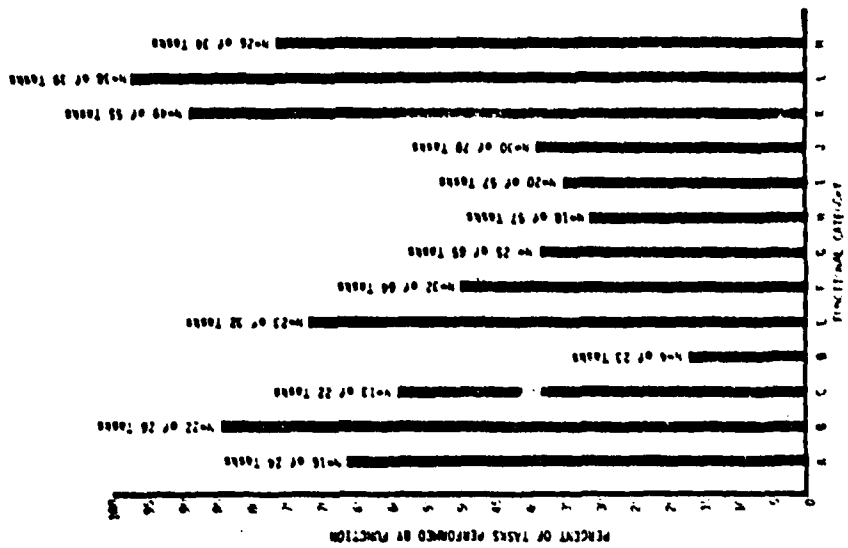


Figure 9 AFSC 42354 Aircraft Pseudraulic Repair Systems Mechanic



TABLE 9 SUMMARY  
OF  
OSI FUNCTIONAL TITLES/NOMENCLATURES

AFSC OSI: 42650 Aircraft Propeller Mechanic Career Ladder

| 1<br>FUNCTION | 2<br>TITLES/NOMENCLATURES  | 3<br>NUMBER<br>OF TASKS | 4<br>REL.<br>FREQ. (%) | 5<br>TASKS<br>RECORDED | 6<br>FUNCTION<br>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 Safety                             | 10                      | 2.0964                 | 10                     | 100.00                   |
| G             | Performing Flight Line Maintenance                                 | 121                     | 24.3186                | 116                    | 95.87                    |
| H             | Performing In-Shop Assembly and Disassembly of Propellers          | 114                     | 21.3836                | 102                    | 89.47                    |
| I             | Performing Maintenance Operating Checks of Conventional Propellers | 26                      | 4.8218                 | 23                     | 88.46                    |
| J             | Performing Maintenance Operating Checks on Turbopropellers         | 26                      | 5.4507                 | 26                     | 100.00                   |
| K             | Bench Checking and Repairing                                       | 72                      | 13.2075                | 63                     | 87.50                    |
| TOTALS        |  | 477                     | 85.7539                | 409                    |                          |

Column 4 Relative Freq. (Proportions) =  $\frac{\text{No. of Tasks Performed}}{\text{Total Tasks}}$  e.g.  $\frac{15}{477} = 3.1446\%$

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

Column 6 Function Percent =  $\frac{\text{No. of Tasks Performed}}{\text{No. of Tasks Per Function}}$  e.g.  $\frac{15}{20} = 75.00\%$

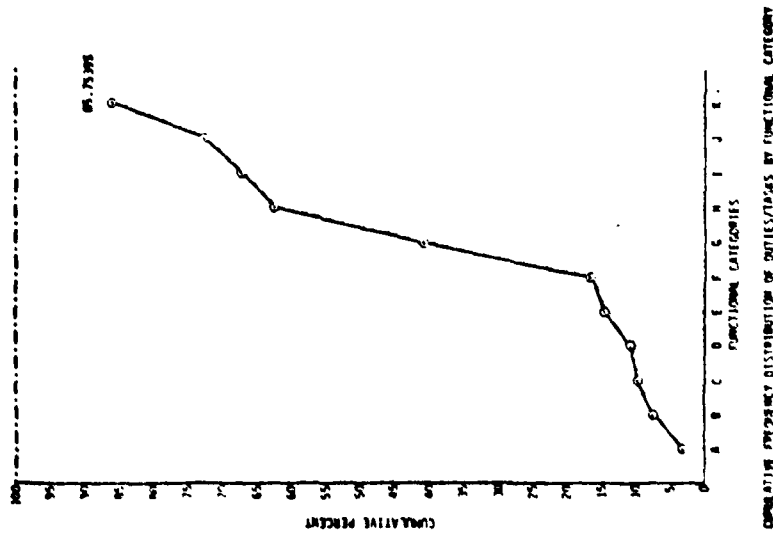
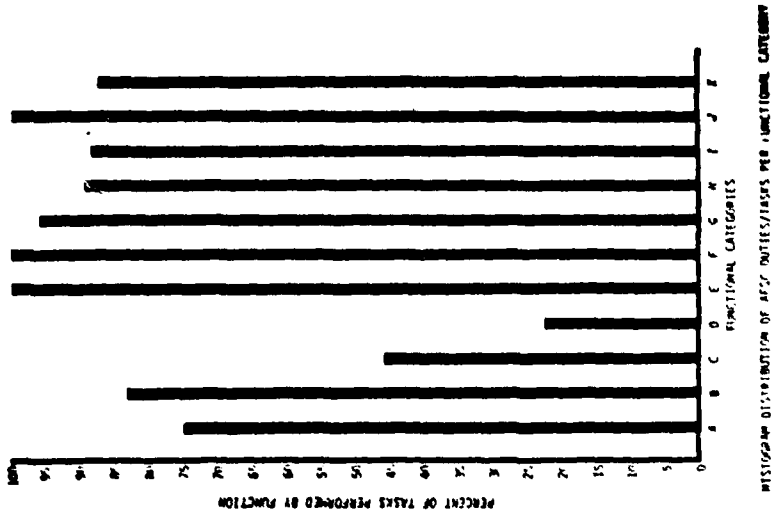


Figure 10 AFSC 42650 Aircraft Propeller Systems Mechanic



### AFSC 42652 - (Jet Engines)<sup>11</sup>

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)<sup>12</sup>

Fifty 43151F aircraft maintenance personnel at Little Rock Air Force Base, Arkansas completed the 43151F/OSI. 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)<sup>13</sup>

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 SUMMARY  
OF  
OSI FUNCTIONAL TITLES/NOMENCLATURES**

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

| 1             | 2  | 3                  | 4                | 5                 | 6                   |
|---------------|--|--------------------|------------------|-------------------|---------------------|
| FUNCTION      | TITLES/NOMENCLATURES                                     | NUMBER<br>OF TASKS | REL.<br>FREQ.(%) | TASKS<br>RECORDED | FUNCTION<br>PERCENT |
| A             | Planning and Organizing                                  | 30                 | 6.5060           | 27                | 90.00               |
| B             | 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 Fit Line Maintenance on Jet Engines           | 40                 | 9.6385           | 40                | 100.00              |
| H             | Performing Intermediate Maintenance on Jet Engines       | 63                 | 14.6988          | 61                | 96.83               |
| I             | 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               |
| M             | 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               |
| O             | 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              |
| <b>TOTALS</b> |  | <b>415</b>         | <b>88.4333</b>   | <b>367</b>        |                     |

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

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

Column 6 Function Percent (Proportions) =  $\frac{\text{No. of Tasks Performed}}{\text{No. of Tasks Per Function}}$  e.g.  $\frac{27}{30} = 90.00\%$

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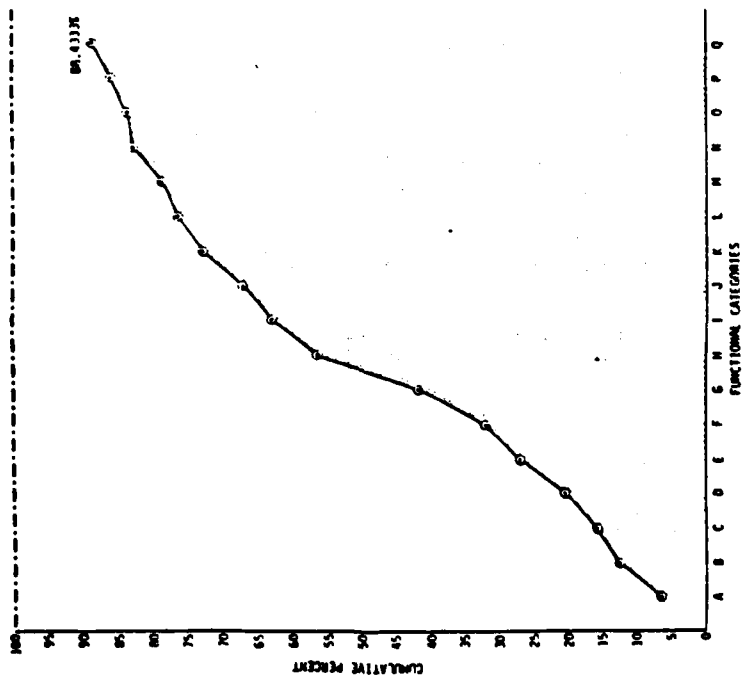
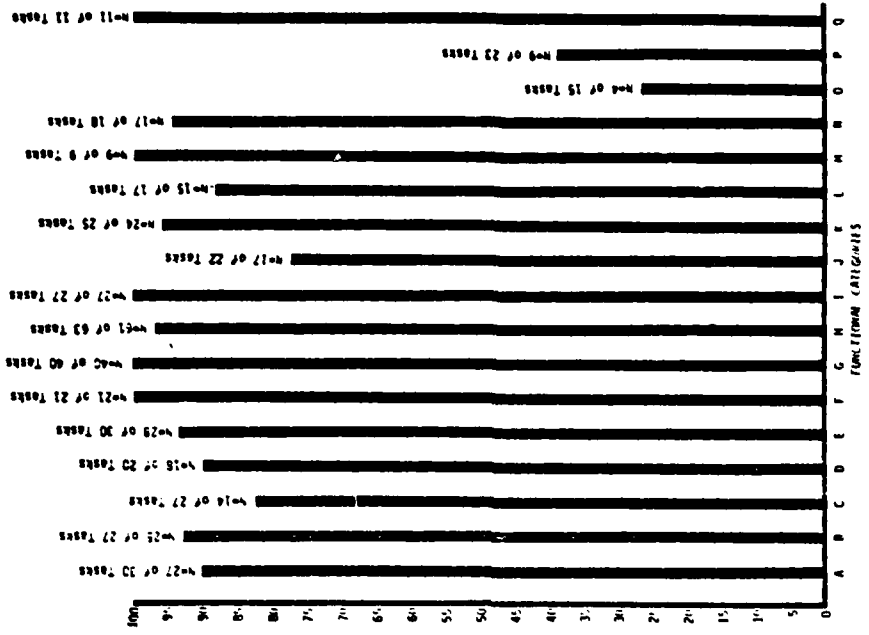


Figure 11 AFSC 42652 Jet Engine Mechanic

**TABLE 11 SUMMARY  
OF  
OSI FUNCTIONAL TITLES/NOMENCLATURES**

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

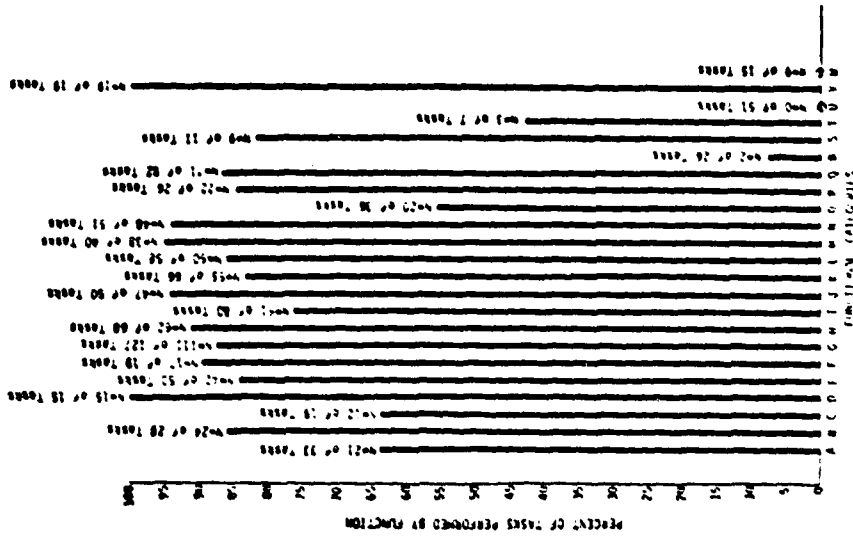
| 1        | 2                                      | 3                  | 4                 | 5                 | 6                   |
|----------|--|--------------------|-------------------|-------------------|---------------------|
| FUNCTION | TITLES/NOMENCLATURES                   | NUMBER<br>OF TASKS | REL.<br>FREQ. (%) | TASKS<br>RECORDED | FUNCTION<br>PERCENT |
| A        | Organizing and Planning                | 33                 | 2.1493            | 21                | 63.64               |
| B        | Directing and Implementing             | 28                 | 2.4565            | 24                | 85.71               |
| C        | Inspecting and Evaluating              | 19                 | 1.2282            | 12                | 63.16               |
| D        | 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 Pneudraulic 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               |
| O        | 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               |
| V        | 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) =  $\frac{\text{No. of Tasks Performed}}{\text{Total Tasks}}$  e.g.  $\frac{21}{977} = 2.1493\%$

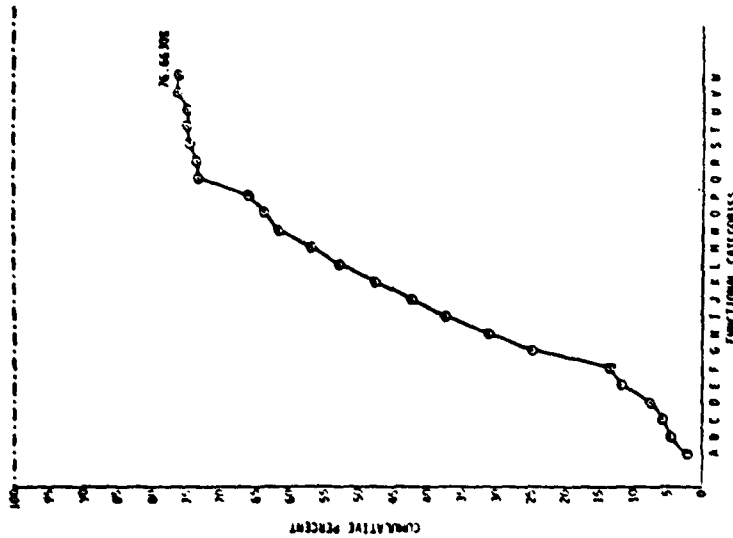
Column 5 Tasks Recorded = The number of OSI tasks recorded on scatter diagram  
(step interval = 1)

Column 6 Function Percent (Proportions) =  $\frac{\text{No. of Tasks Performed}}{\text{No. of Tasks Per Function}}$  e.g.  $\frac{21}{33} = 63.64\%$

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DISTRIBUTION OF TASKS PERFORMED BY FUNCTION CATEGORY



CUMULATIVE FREQUENCY DISTRIBUTION OF TASKS BY FUNCTIONAL CATEGORY

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   | NUMBER OF TASKS | REL. FREQ. (%)          | TASKS RECORDED | FUNCTION PERCENT |
| A        | Organizing and Planning  | 31              | 4.3902                  | 18             | 58.06            |
| B        | 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 Functions                            | 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            |
| I        | 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) - Missile Systems |                |                  |
| O        | Performing Minuteman Corr. Control Func.                           | 18              | (N/A) - Missile Systems |                |                  |
| P        | Performing Titan Missile Corrosion Control Functions               | 21              | (N/A) - Missile Systems |                |                  |
| TOTALS   |  | 457             | 72.1947                 | 296            |                  |
| TOTAL    |  | 410             | Applicable Tasks        |                |                  |

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 scatter diagram (step interval = 1)

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

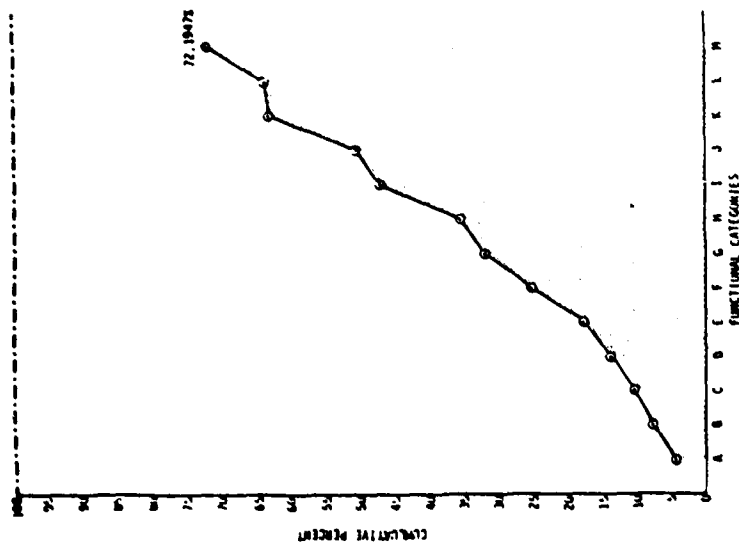
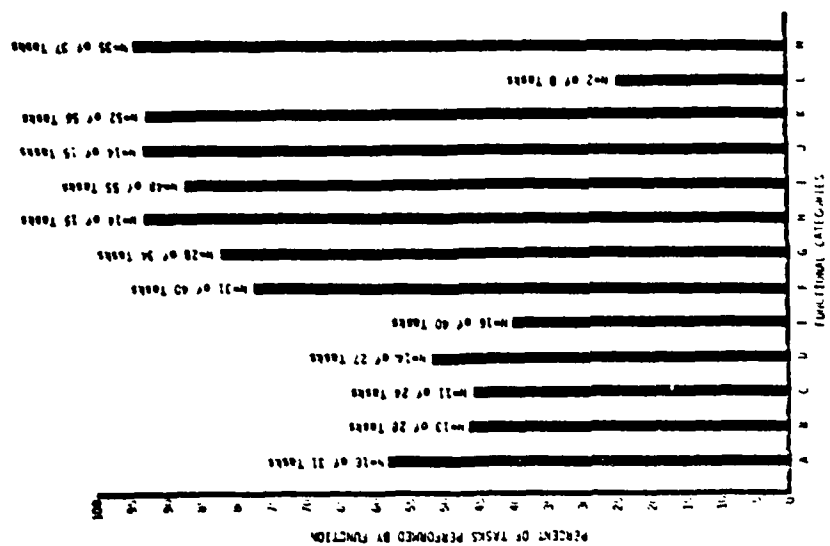


Figure 13 AFSC 53154 Corrosion Control Specialist

1. 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).
2. 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)<sup>14</sup> 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)<sup>15</sup> 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.

## REFERENCES

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2. Air Force Manual 39-1, Volumes I and II, "Enlisted Personnel Airman Classification Manual," 1 September 1976.
3. United States Air Force Job Inventory, AFPT-90-325-248, "Automatic Flight Control Systems Career Ladder," AFSC's 32530, 32550, 32570, and 32591, 1 July 1976.
4. United States Air Force Job Inventory, AFPT-90-325-128, "Avionics Instrument Systems Specialist Career Ladder," AFSC's 32531, 32551, 32571, and 32591.
5. United States Air Force Job Inventory, AFPT-90-328-079, "Avionics Communications Specialist Career Ladder," AFSC's 32830, 32850, 32870, 328X0A, and 32894, 15 July 1972.
6. United States Air Force Job Inventory, AFPT-90-423-106, "Aircraft Electrical Repair Career Ladder," AFSC's 42330, 42350, 42370, 42390, 15 July 1973.
7. United States Air Force Job Inventory, AFPT-90-422-180, "Aircraft Environmental Systems Repair Career Ladder," AFSC's 42331, 42351, 42371, and 42391, 1 July 1975.
8. United States Air Force Job Inventory, AFPT-90-424-107, "Aircraft Fuel Systems Mechanic/Technician Career Ladder," AFSC's 42333, 42353, 42373, 1 June 1973.
9. United States Air Force Job Inventory, AFPT-90-421-207, "Aircraft Pneudraulic Repair Career Ladder," AFSC's 42334, 42354, 42374, 1 August 1975.
10. United States Air Force Job Inventory, AFPT-90-421-131, "Aircraft Propeller Repairman Career Ladder," AFSC's 42630, 42650, and 42670, 1 December 1973.
11. United States Air Force Job Inventory, AFPT-90-432-054, "Jet Engine Mechanic Career Ladder," AFSC's 42632, 42652, 42672, and 42692, 1 March 1972.
12. United States Air Force Job Inventory, AFPT-90-431-210, "Aircraft Maintenance Career Ladder," AFSC's 43131A/C/E/F, 43151A/C/E/F, 43171A/C/E/F, and 43191, 1 April 1976.
13. United States Air Force Job Inventory, AFPT-90-535-149, "Corrosion Control Specialist Career Ladder," AFSC's 53134, 53154, 53174, and 53194, 1 May 1974.
14. Air Force Manual 36-1, "Office Classification Manual," 1 September 1976.
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 Turbine Motors                   |
| CDRL   | Contract Data Requirements List      |
| HWSA   | Historical Weapon Systems Analysis   |
| IAW    | In Accordance With                   |
| IFR    | In-Flight Refueling                  |
| 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           |
| O&S    | Operations and Support               |
| OSI    | Occupational Survey Inventory        |
| OSR    | Occupational Survey Report           |
| PACS   | Pilot Assist Cable Servo System      |
| QC     | Quality Control                      |
| SGTS   | Small Gas Turbine System             |
| SPO    | System Program Office                |
| STINFO | Scientific Technical Information     |
| TAW    | Tactical Airlift Wing                |
| T.O.   | Technical Order                      |
| TR     | Technical Report                     |
| USAF   | United States Air Force              |
| W/S    | Weapon System                        |

APPEXDIX A  
AIRMAN AIR FORCE SPECIALTY DUTIES  
AND RESPONSIBILITIES

## AIRMAN AIR FORCE SPECIALTY

## ★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*.

#### 4. SPECIALTY DATA

a. *Grade Spread*:

Sergeant and staff sergeant ---- 32550

Airman first class ----- 32530

b. *Related D.O.T. Job*:

Electronics Mechanic ----- 828.281

c. *Related DOD Occupational Subgroup*:  
102

**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 school

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*.

#### 4. SPECIALTY DATA

a. *Grade Spread:*

Sergeant and staff sergeant . . . 32551

Airman first class . . . . . 32531

b. *Related D.O.T. Jobs:*

Electronics Mechanic . . . . . 828.281

Systems Tester . . . . . 729.381

c. Related DOD Occupational Subgroup:  
198



**AIRMAN AIR FORCE SPECIALTY**  
**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 repair 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 desirable.

(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 suffix "A."

(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**

**a. Grade Spread:**

Airman first-class through  
staff sergeant . . . . . 32850  
Airman first-class . . . . . 32830

**b. Related D.O.T. Jobs:**

Radio Repairman . . . . . 720.281  
Radio Mechanic . . . . . 823.281

**c. Related DOD Occupational Subgroup: 101**

**5. \*SPECIALTY SHREDOUTS**

**Suffix**

A . . . . .

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

## AIRMAN AIR FORCE SPECIALTY

### \* 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, ignition, 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.

4. SPECIALTY DATA

a. *Grade Spread:*

Airman first-class through  
staff sergeant . . . . . 42350  
Airman first-class . . . . . 42330

b. *Related D.O.T. Job:*

Electrician, Airplane . . . . . 825.281

c. *Related DOD Occupational Subgroup:* 602

## AIRMAN AIR FORCE SPECIALTY

### 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 equipment; use and interpretation of wiring diagrams, blueprints, and technical publications is mandatory. Possession



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, 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.

4. SPECIALTY DATA

a. *Grade Spread:*

|                              |       |
|------------------------------|-------|
| Airman first-class through   |       |
| staff sergeant . . . . .     | 42351 |
| Airman first-class . . . . . | 42331 |

b. *Related D.O.T. Jobs:*

|                                     |         |
|-------------------------------------|---------|
| Oxygen-System Tester . . . . .      | 806.381 |
| Air-Conditioning Mechanic . . . . . | 620.281 |

c. *Related DOD Occupational Subgroup:* 602

**AIRMAN AIR FORCE SPECIALTY**

**\*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.

**4. SPECIALTY DATA**

a. *Grade Spread:*

Airman first-class through  
staff sergeant . . . . . 42353  
Airman first-class . . . . . 42333

b. *Related D.O.T. Job:*

Fuel-System-Maintenance  
Man . . . . . 630.781

c. *Related DOD Occupational Subgroup:* 602

## AIRMAN AIR FORCE SPECIALTY

### \* 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, synchronization, 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 and in-flight refueling components and ground equipment pneumatic/hydraulic components.* Disassembles, 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 hydraulic 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 ohmmeter, 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 repair 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.



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**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.

**4. SPECIALTY DATA**

a. *Grade Spread:*

Airman first-class through  
staff sergeant . . . . . 42354  
Airman first-class . . . . . 42334

b. *Related D.O.T. Jobs:*

Aircraft Mechanic,

Heat and Vent . . . . . 801.381  
Aircraft Mechanic, Plumbing and  
Hydraulic . . . . . 862.381  
Fuel System Maintenance  
Man . . . . . 630.781

c. *Related DOD Occupational Subgroup:* 602

**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, synchronizers, 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, pneumatic, 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.

**4. SPECIALTY DATA**

a. *Grade Spread:*

Airman first-class through  
staff sergeant . . . . . 42650  
Airman first-class . . . . . 42650

b. *Related D.O.T. Job:*

Aircraft-and-Engine  
Mechanic . . . . . 621.281

c. *Related DOD Occupational Subgroup:* 602

**AIRMAN AIR FORCE SPECIALTY****\*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**

**a. 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 jet 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 log 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.

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

e. *Other:* (1) Normal color vision as defined in AFM is mandatory. (2) A minimum aptitude level of Mechanical 40 is mandatory.

4. SPECIALTY DATA

a. *General Spread:*

|   |       |
|---|-------|
| Airman first-class through staff sergeant | 42652 |
| Airman first-class                        | 42632 |

Aircraft and Engine

|                                 |         |
|---------------------------------|---------|
| Mechanic                        | 621.281 |
| Assembler, Aircraft Power Plant | 621.381 |

b. *Related D.O.T. Jobs.*

c. *Related DOD Occupational Subgroup:* 601

## AIRMAN AIR FORCE SPECIALTY

## 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 APU's. 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, clinometers, 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 aircraft 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 aircraft 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:*

Sergeant and staff sergeant ..... 43151  
 Airman first class ..... 43131

b. *Related D.O.T. Jobs:*

Airplane Mechanic ..... 621.281  
 Tire and Tube Repairman ..... 915.884  
 Tire Repairman ..... 915.884

c. *Related DOD Occupational Subgroup:*  
 600

**5. \*SPECIALTY SHREDOUTS**

*Suffix*

A .....  
 C .....  
 E .....  
 F .....

*Portion of AFS to Which Related*  
 Reciprocating Engine Aircraft  
 Jet Aircraft One and Two Engines  
 Jet Aircraft Over Two Engines  
 Turbo-Prop Aircraft

**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 used. 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 scrapers, 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 corrosion 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; technical orders and manuals; drawings; safety codes and practices, and maintenance management is mandatory. Possession 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.

4. SPECIALTY DATA

a. *Grade Spread:*

|                              |        |
|------------------------------|--------|
| Airman first-class through   |        |
| staff sergeant . . . . .     | \$3154 |
| Airman first-class . . . . . | \$3134 |

b. *Related D.O.T. Jobs:*

|                                    |         |
|------------------------------------|---------|
| Metal-Cleaner, Immersion . . . . . | 503.885 |
| Painter, Aircraft . . . . .        | 845.781 |

c. *Related DOD Occupational Subgroup:* 790



APPENDIX B

USAF JOB INVENTORY - AIRCRAFT  
MAINTENANCE CAREER LADDER





| BACKGROUND INFORMATION   |                                | DATE (Use Numbers ONLY)   |                                 | (Card 01: 5-10)   |  |                                  |         |    |    |    |    |    |    |    |    |    |    |
|--|--------------------------------|---|---------------------------------|---|--|----------------------------------|---------|----|----|----|----|----|----|----|----|----|----|
| PRINT YOUR ANSWERS AND CHECK PROPER BOXES  |                                | YEAR  | MONTH                           | DAY   |  |                                  |         |    |    |    |    |    |    |    |    |    |    |
| NAME (Last, First, Middle Initial)   |                                |   |                                 | <input type="checkbox"/> MALE<br><input type="checkbox"/> FEMALE (135)  |  |                                  |         |    |    |    |    |    |    |    |    |    |    |
| SOCIAL SECURITY ACCOUNT NUMBER (SSAN)  |                                | AGE LAST BIRTHDAY (In Years)  |                                 | DATE OF BIRTH   |  |                                  |         |    |    |    |    |    |    |    |    |    |    |
| <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> |                                | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>   |                                 | YR MO DAY<br><input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>  |  |                                  |         |    |    |    |    |    |    |    |    |    |    |
| PRIMARY AFSC   |                                | DUTY AFSC   |                                 |   |  |                                  |         |    |    |    |    |    |    |    |    |    |    |
| (Leave blank if None)  |                                | (Leave blank if None)   |                                 |   |  |                                  |         |    |    |    |    |    |    |    |    |    |    |
| PREFIX (53) <input type="text"/> NUMBER (54-58) <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> SUFFIX (59) <input type="text"/>  |                                | PREFIX (60) <input type="text"/> NUMBER (61-65) <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> SUFFIX (66) <input type="text"/> |                                 |   |  |                                  |         |    |    |    |    |    |    |    |    |    |    |
| CONTROL AFSC   |                                | OTHER AFSC IF ANY   |                                 |   |  |                                  |         |    |    |    |    |    |    |    |    |    |    |
| (Leave blank if None)  |                                | (Leave blank if None)   |                                 |   |  |                                  |         |    |    |    |    |    |    |    |    |    |    |
| PREFIX (67) <input type="text"/> NUMBER (68-72) <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> SUFFIX (73) <input type="text"/>  |                                | PREFIX (8) <input type="text"/> NUMBER (6-10) <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> SUFFIX (11) <input type="text"/>                        |                                 |   |  |                                  |         |    |    |    |    |    |    |    |    |    |    |
| IF YOU WERE CONVERTED OR RETRAINED, WHAT AFSC DID YOU HAVE BEFORE? (Leave blank if None)   |                                |   |                                 | FOR HOW MANY PEOPLE, AIRMEN AND CIVILIANS, ARE YOU THE IMMEDIATE SUPERVISOR? (Include ONLY those who report DIRECTLY to you AND whose performance ratings or efficiency reports YOU WRITE). |  |                                  |         |    |    |    |    |    |    |    |    |    |    |
| PREFIX (12) <input type="text"/> NUMBER (13-17) <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> SUFFIX (18) <input type="text"/>  |                                |   |                                 | NUMBER (19-20) <input type="text"/>   |  |                                  |         |    |    |    |    |    |    |    |    |    |    |
| MAJOR COMMAND (Check one box) (21)   |                                |   |                                 |   |  |                                  |         |    |    |    |    |    |    |    |    |    |    |
| <input type="checkbox"/> AAC   | <input type="checkbox"/> ACIC  | <input type="checkbox"/> ADC  | <input type="checkbox"/> AFAPFC | <input type="checkbox"/> AFSC   | <input type="checkbox"/> AFDSOC            | <input type="checkbox"/> AFLC    |         |    |    |    |    |    |    |    |    |    |    |
| <input type="checkbox"/> AFSC  | <input type="checkbox"/> ARPC  | <input type="checkbox"/> ATC  | <input type="checkbox"/> AU     | <input type="checkbox"/> HQ COMD  | <input type="checkbox"/> HQ COMD SPEC ACTY | <input type="checkbox"/> HQ USAF |         |    |    |    |    |    |    |    |    |    |    |
| <input type="checkbox"/> MAC   | <input type="checkbox"/> PACAF | <input type="checkbox"/> SAC  | <input type="checkbox"/> TAC    | <input type="checkbox"/> USAFA  | <input type="checkbox"/> USAFE             | <input type="checkbox"/> USAF SO |         |    |    |    |    |    |    |    |    |    |    |
| <input type="checkbox"/> OTHER UNIT OR ORGANIZATION (Not under major command) IF "OTHER UNIT" WRITE IN NAME _____  |                                |   |                                 |   |  |                                  |         |    |    |    |    |    |    |    |    |    |    |
| TIME IN PRESENT JOB (Duty assignment in present unit on current tour only)   |                                |   |                                 |   |  |                                  |         |    |    |    |    |    |    |    |    |    |    |
|  |                                |   |                                 | YEARS (22-23) AND MONTHS (24-25)  |  |                                  |         |    |    |    |    |    |    |    |    |    |    |
| TIME AT PRESENT HOME BASE OR INSTALLATION (On current tour only)   |                                |   |                                 |   |  |                                  |         |    |    |    |    |    |    |    |    |    |    |
|  |                                |   |                                 | YEARS (26-27) AND MONTHS (28-29)  |  |                                  |         |    |    |    |    |    |    |    |    |    |    |
| TOTAL TIME IN DUTY/ AFSC (Add the times for all jobs, in all units, on all tours—in duty AFSC jobs)  |                                |   |                                 |   |  |                                  |         |    |    |    |    |    |    |    |    |    |    |
|  |                                |   |                                 | YEARS (30-31) AND MONTHS (32-33)  |  |                                  |         |    |    |    |    |    |    |    |    |    |    |
| TOTAL TIME IN CAREER FIELD (Add the times for all work in your career field)   |                                |   |                                 |   |  |                                  |         |    |    |    |    |    |    |    |    |    |    |
|  |                                |   |                                 | YEARS (34-35) AND MONTHS (36-37)  |  |                                  |         |    |    |    |    |    |    |    |    |    |    |
| HOW MUCH ACTIVE MILITARY SERVICE (TAFMS) DO YOU HAVE?  |                                |   |                                 |   |  |                                  |         |    |    |    |    |    |    |    |    |    |    |
|  |                                |   |                                 | YEARS (38-39) AND MONTHS (40-41)  |  |                                  |         |    |    |    |    |    |    |    |    |    |    |
| CIRCLE THE HIGHEST SCHOOL GRADE OR COLLEGE/UNIVERSITY YEAR YOU HAVE COMPLETED (Include equal level, like O&D; but NOT special training, like vocational, outside regular school) (42-43)   |                                |   |                                 |   |  |                                  |         |    |    |    |    |    |    |    |    |    |    |
| ELEMENTARY SCHOOL  |                                |   | HIGH SCHOOL                     |   |  | COLLEGE OR UNIVERSITY            |         |    |    |    |    |    |    |    |    |    |    |
| 01   | 02                             | 03  | 04                              | 05  | 06   | 07                               | 08      | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| ORGANIZATION TO WHICH ASSIGNED (Do not include name of base)   |                                |   |                                 |   |  |                                  | (44-58) |    |    |    |    |    |    |    |    |    |    |
| TITLE OF MY PRESENT JOB OR POSITION (DUTY ASSIGNMENT) (NOTE Do not give just the title of your Air Force Specialty - UNLESS that is the only name your job has)  |                                |   |                                 |   |  |                                  | (60-73) |    |    |    |    |    |    |    |    |    |    |

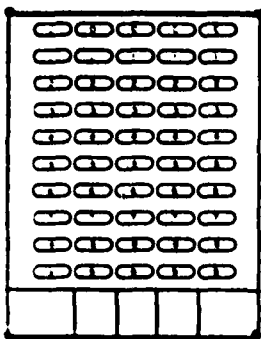










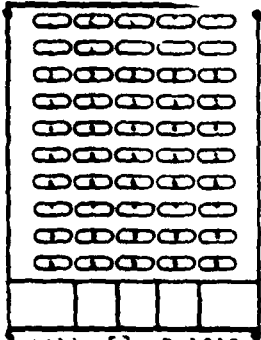


BACKGROUND INFORMATION (CONTINUED)

(CARD 04: 12-45)

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





BACKGROUND INFORMATION (CONTINUED)

(CARD 05: 41-73)  
(CARD 06: 5-23)

- |                               |         |                               |        |                               |  |
|-------------------------------|---------|-------------------------------|--------|-------------------------------|--|
| (41) <input type="checkbox"/> | F-101F  | (65) <input type="checkbox"/> | QU-22B | (20) <input type="checkbox"/> | UH-1P  |
| (42) <input type="checkbox"/> | F-102   | (66) <input type="checkbox"/> | RB-66  | (21) <input type="checkbox"/> | VC-6A  |
| (43) <input type="checkbox"/> | F-104A  | (67) <input type="checkbox"/> | RC-130 | (22) <input type="checkbox"/> | WB-57F   |
| (44) <input type="checkbox"/> | F-104G  | (68) <input type="checkbox"/> | RC-135 | (23) <input type="checkbox"/> | OTHER (PLEASE SPECIFY<br>ON BLANK PAGES AT END<br>OF BOOKLET.) |
| (45) <input type="checkbox"/> | F-105   | (69) <input type="checkbox"/> | SR-71  |                               |  |
| (46) <input type="checkbox"/> | F-106A  | (70) <input type="checkbox"/> | TH-1D  |                               |  |
| (47) <input type="checkbox"/> | F-106B  | (71) <input type="checkbox"/> | TH-1F  |                               |  |
| (48) <input type="checkbox"/> | F-111A  | (72) <input type="checkbox"/> | TH-1N  |                               |  |
| (49) <input type="checkbox"/> | F-111D  | (73) <input type="checkbox"/> | TH-1P  |                               |  |
| (50) <input type="checkbox"/> | F-111E  | (5) <input type="checkbox"/>  | T-28   |                               |  |
| (51) <input type="checkbox"/> | F-111F  | (6) <input type="checkbox"/>  | T-29   |                               |  |
| (52) <input type="checkbox"/> | FB-111  | (7) <input type="checkbox"/>  | T-33   |                               |  |
| (53) <input type="checkbox"/> | HC-130H | (8) <input type="checkbox"/>  | T-34   |                               |  |
| (54) <input type="checkbox"/> | HC-130H | (9) <input type="checkbox"/>  | T-37   |                               |  |
| (55) <input type="checkbox"/> | HC-130P | (10) <input type="checkbox"/> | T-38   |                               |  |
| (56) <input type="checkbox"/> | HH-53   | (11) <input type="checkbox"/> | T-39   |                               |  |
| (57) <input type="checkbox"/> | JC-130B | (12) <input type="checkbox"/> | T-43   |                               |  |
| (58) <input type="checkbox"/> | JC-130H | (13) <input type="checkbox"/> | TF-102 |                               |  |
| (59) <input type="checkbox"/> | JC-130P | (14) <input type="checkbox"/> | U-2    |                               |  |
| (60) <input type="checkbox"/> | KC-135  | (15) <input type="checkbox"/> | U-6    |                               |  |
| (61) <input type="checkbox"/> | L-28    | (16) <input type="checkbox"/> | U-10   |                               |  |
| (62) <input type="checkbox"/> | O-1     | (17) <input type="checkbox"/> | UH-1D  |                               |  |
| (63) <input type="checkbox"/> | OV-10   | (18) <input type="checkbox"/> | UH-1F  |                               |  |
| (64) <input type="checkbox"/> | OV-10A  | (19) <input type="checkbox"/> | UH-1N  |                               |  |







| <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | 1 Check tasks you perform now (✓)<br>2 On the back of the book, write in any unlisted tasks which you do now<br>3 In the "Time Spent" column, rate all checked (✓) tasks on time spent in present job | Check | TIME SPENT Present Job |
|--|---|-------|------------------------|
|  | AFSC 431X1  |       | ✓<br>IF<br>DONE<br>NOW |
| A. ORGANIZING AND PLANNING (CONTINUED)   |   |       |                        |
| 25.  | Plan or prepare unit orientation programs   |       | ○○○○○○○○○○             |
| 26.  | Plan or schedule leaves or passes   |       | ○○○○○○○○○○             |
| 27.  | Plan or schedule work assignments   |       | ○○○○○○○○○○             |
| 28.  | Plan safety programs  |       | ○○○○○○○○○○             |
| 29.  | Plan security programs  |       | ○○○○○○○○○○             |
| 30.  | Plan unit training programs   |       | ○○○○○○○○○○             |
| 31.  | Plan utilization of equipment   |       | ○○○○○○○○○○             |
| 32.  | Prepare input to mobility plans   |       | ○○○○○○○○○○             |
| 33.  | Prepare justifications for test equipment, special tools, or bench stock  |       | ○○○○○○○○○○             |
| NOTE: If any task you perform under this duty is not listed, write it on page 47 or 48.  |   |       | ○○○○○○○○○○             |
|  |   |       | ○○○○○○○○○○             |
| B. DIRECTING AND IMPLEMENTING  |   |       | ○○○○○○○○○○             |
|  |   |       | ○○○○○○○○○○             |
|  |   |       | ○○○○○○○○○○             |
| 1.   | Adjust daily maintenance plans to meet operational commitments for aircraft   |       | ○○○○○○○○○○             |
| 2.   | Advise subordinates on resolution of problems   |       | ○○○○○○○○○○             |
| 3.   | Compile information for reports or staff studies  |       | ○○○○○○○○○○             |
| 4.   | Counsel personnel on personal or military related problems  |       | ○○○○○○○○○○             |
| 5.   | Direct aircraft inspection activities   |       | ○○○○○○○○○○             |
| 6.   | Direct inspection programs  |       | ○○○○○○○○○○             |
| 7.   | Direct maintenance data collection (MDC) programs   |       | ○○○○○○○○○○             |
| 8.   | Direct maintenance of facilities  |       | ○○○○○○○○○○             |
| 9.   | Direct maintenance or utilization of equipment, supplies, or work space   |       | ○○○○○○○○○○             |

(Continued next page)



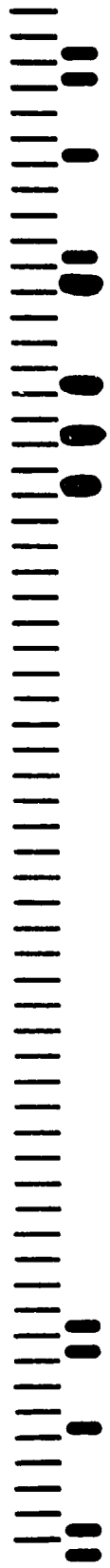


| <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | 1. Check tasks you perform now (✓).<br>2. On the back of the book, write in any unlisted tasks which you do now.<br>3. In the "Time Spent" column, rate all checked (✓) tasks by time spent in present job. | Check<br><br><input type="checkbox"/><br>IF<br><br>DONE<br><br>NOW | TIME SPENT<br>Present Job   |
|--|---|--|---|
|  | AFSC 431X1<br><br>C. INSPECTING AND EVALUATING  |  | 1. Very small amount.<br>2. Much below average.<br>3. Below average.<br>4. Slightly below average.<br>5. About average.<br>6. Slightly above average.<br>7. Above average.<br>8. Much above average.<br>9. Very large amount. |
|  |   |  |   |
| 1.   | Certify status of repairable, serviceable, or condemned parts   |  | ○○○○○○○○○○  |
| 2.   | Edit or review correspondence or reports  |  | ○○○○○○○○○○  |
| 3.   | Evaluate corrosion control programs   |  | ○○○○○○○○○○  |
| 4.   | Evaluate Quality Deficiency Reports (Category II) forms (SF Form 368)   |  | ○○○○○○○○○○  |
| 5.   | Evaluate suggestions  |  | ○○○○○○○○○○  |
| 6.   | Evaluate Technical Order System Publication Improvement Reports and Reply forms (AFTO Form 22)  |  | ○○○○○○○○○○  |
| 7.   | Evaluate training programs  |  | ○○○○○○○○○○  |
| 8.   | Evaluate unit safety practices or procedures  |  | ○○○○○○○○○○  |
| 9.   | Evaluate unit security practices or procedures  |  | ○○○○○○○○○○  |
| 10.  | Evaluate use of work space, equipment, or supplies  |  | ○○○○○○○○○○  |
| 11.  | Evaluate work performance of military personnel   |  | ○○○○○○○○○○  |
| 12.  | Inspect work performed by subordinates  |  | ○○○○○○○○○○  |
| 13.  | Inspect maintenance equipment   |  | ○○○○○○○○○○  |
| 14.  | Inspect work areas  |  | ○○○○○○○○○○  |
| 15.  | Perform QC technical inspections  |  | ○○○○○○○○○○  |
| 16.  | Prepare recommendations for change to training programs   |  | ○○○○○○○○○○  |
| 17.  | Review aircraft records or maintenance forms  |  | ○○○○○○○○○○  |
| 18.  | Review or annotate Maintenance Preplan forms (AF Form 2406)   |  | ○○○○○○○○○○  |
| 19.  | Review Priority Monitor Reports (PRM D-18)  |  | ○○○○○○○○○○  |
| NOTE:  | If any task you perform under this duty is not listed, write it on page 47 or 48.   |  | ○○○○○○○○○○  |
|  |   |  | ○○○○○○○○○○  |
|  |   |  | ○○○○○○○○○○  |
|  |   |  | ○○○○○○○○○○  |
|  |   |  | ○○○○○○○○○○  |

| 1. Check tasks you perform now (✓).<br>2. On the back of the book, write in any unlisted tasks which you do now.<br>3. In the "Time Spent" column, rate all checked (✓) tasks on time spent in present job |  | Check                  | TIME SPENT Present Job  |
|--|--|------------------------|---|
| AFSC 431X1   |  | ✓<br>IF<br>DONE<br>NOW | 1. Very small amount.<br>2. Much below average.<br>3. Below average.<br>4. Slightly below average.<br>5. About average.<br>6. Slightly above average.<br>7. Above average.<br>8. Much above average.<br>9. Very large amount. |
| D. TRAINING  |  |                        |   |
| 1.   | Administer oral, written, or performance tests                                     |                        | ○○○○○○○○○○  |
| 2.   | Conduct classroom training   |                        | ○○○○○○○○○○  |
| 3.   | Conduct lectures or briefings  |                        | ○○○○○○○○○○  |
| 4.   | Conduct on-the-job training (OJT)  |                        | ○○○○○○○○○○  |
| 5.   | Conduct or attend conferences  |                        | ○○○○○○○○○○  |
| 6.   | Develop OJT materials  |                        | ○○○○○○○○○○  |
| 7.   | Develop proficiency tests  |                        | ○○○○○○○○○○  |
| 8.   | Direct OJT programs  |                        | ○○○○○○○○○○  |
| 9.   | Evaluate or review Specialty Training Standards (STS)                              |                        | ○○○○○○○○○○  |
| 10.  | Initiate request for training aids, classrooms, or equipment                       |                        | ○○○○○○○○○○  |
| 11.  | Prepare Job Proficiency Guides (JPG) or JPG Continuation Sheets                    |                        | ○○○○○○○○○○  |
| 12.  | Prepare requests for career development course (CDC) materials                     |                        | ○○○○○○○○○○  |
| 13.  | Review training progress of individuals  |                        | ○○○○○○○○○○  |
| 14.  | Select individuals for specialized training courses                                |                        | ○○○○○○○○○○  |
| 15.  | Select or assign instructors or trainers   |                        | ○○○○○○○○○○  |
| NOTE: If any task you perform under this duty is not listed, write it on page 47 or 48.  |  |                        | ○○○○○○○○○○  |
|  |  |                        | ○○○○○○○○○○  |
| E. MAINTAINING FORMS AND RECORDS   |  |                        | ○○○○○○○○○○  |
|  |  |                        | ○○○○○○○○○○  |
|  |  |                        | ○○○○○○○○○○  |
| 1.   | Initiate or forward Aerospace Vehicle Data Card forms (AF Form 359)                |                        | ○○○○○○○○○○  |
| 2.   | Initiate or post entries to Accessory Replacement Document forms (AFTO Form 781E)  |                        | ○○○○○○○○○○  |
| 3.   | Initiate or post entries to Aerospace Vehicle-Engine Flight forms (AFTO Form 781J) |                        | ○○○○○○○○○○  |

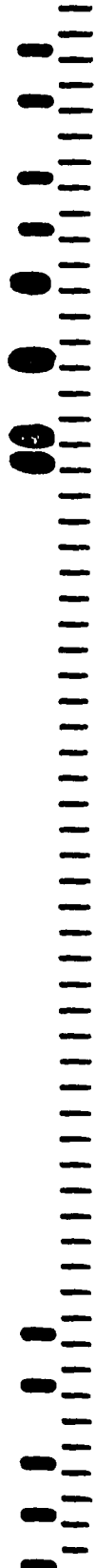
| 1 Check tasks you perform now (X)<br>2 On the back of the hook, write in any unlisted tasks which you do now<br>3 In the Time Spent column rate all checked (X) tasks on time spent in present job |   |  |  | Check  | TIME SPENT<br>Present Job   |
|--|---|--|--|--|---|
| AFSC 431X1   |   |  |  | <input checked="" type="checkbox"/><br>IF<br>DONE<br>NOW | 1 Very small amount<br>2 Much below average<br>3 Below average<br>4 Slightly below average<br>5 About average<br>6 Slightly above average<br>7 Above average<br>8 Much above average<br>9 Very large amount |
| E. MAINTAINING FORMS AND RECORDS<br>(CONTINUED)  |   |  |  |  |   |
| 4.   | Initiate or post entries to Aerospace Vehicle Flight Data Document forms (AFTO Form 781)                          |  |  |  |   |
| 5.   | Initiate or post entries to Aerospace Vehicle Flight Report and Maintenance Document forms (AFTO Form 781F)       |  |  |  |   |
| 6.   | Initiate or post entries to Aerospace Vehicle Flight Status and Maintenance Document forms (AFTO Form 781H)       |  |  |  |   |
| 7.   | Initiate or post entries to aerospace vehicle inspection forms (AFTO Form 781K)                                   |  |  |  |   |
| 8.   | Initiate or post entries to aircraft historical records   |  |  |  |   |
| 9.   | Initiate or post entries to Aircraft Inventory Record Certification and Record of Transfers forms (DD Form 780-3) |  |  |  |   |
| 10.  | Initiate or post entries to Aircraft Inventory Record Equipment List forms (DD Form 780-1)                        |  |  |  |   |
| 11.  | Initiate or post entries to Aircraft Inventory Record forms (DD Form 780)   |  |  |  |   |
| 12.  | Initiate or post entries to Aircraft Inventory Record Shortages forms (DD Form 780-2)                             |  |  |  |   |
| 13.  | Initiate or post entries to Airplane Weight Record forms (DD Form 365B)   |  |  |  |   |
| 14.  | Initiate or post entries to Avionics Configuration and Load Status Document forms (AFTO Form 781C)                |  |  |  |   |
| 15.  | Initiate or post entries to Calendar and Hourly Item Inspection Document forms (AFTO Form 781D)                   |  |  |  |   |
| 16.  | Initiate or post entries to Chart A-Basic Weight Checklist forms (DD Form 365A)                                   |  |  |  |   |
| 17.  | Initiate or post entries to Chart C-Basic Weight and Balance Record forms (DD Form 365C)                          |  |  |  |   |
| 18.  | Initiate or post entries to Equipment Discrepancies forms (AF Form 2421)  |  |  |  |   |
| 19.  | Initiate or post entries to General Mission Classification-Mission Symbols forms (AFTO Form 781G)                 |  |  |  |   |
| 20.  | Initiate or post entries to J79 Engine Run Up Record forms (AFTO Form 781N)                                       |  |  |  |   |
| 21.  | Initiate or post entries to Maintenance Discrepancy and Work Document forms (AFTO Form 781A)                      |  |  |  |   |
| 22.  | Initiate or post entries to Nonpowered AGI Record Forms (AFTO Form 454)   |  |  |  |   |
| 23.  | Initiate or post entries to Record of Weight and Balance Personnel forms (DD Form 365)                            |  |  |  |   |
| 24.  | Initiate or post entries to Status Symbols and Functional Performance forms (AFTO Form 781M)                      |  |  |  |   |
| 25.  | Initiate or post entries to Trainer/AGI Status and Performance forms (AFTO Form 443)                              |  |  |  |   |
| 26.  | Initiate or post entries to Weight and Balance Clearance forms (DD Form 365F)                                     |  |  |  |   |
| 27.  | Initiate or post entries to Crew Evaluation Report forms (AF Form 2422)   |  |  |  |   |

(Continued next page)



| <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |  |  | 1. Check tasks you perform now (A).<br>2. On the back of the book, write in any unlisted tasks which you do now.<br>3. In the "Time Spent" column, rate all checked (A) tasks on time spent in present job.   | Check   | TIME SPENT<br>Present Job |
|--|--|--|---|---|---------------------------|
| AFSC 431X1   |  |  | ✓<br>IF<br>DONE<br>NOW  | 1. Very small amount<br>2. Much below average.<br>3. Below average.<br>4. Slightly below average<br>5. About average.<br>6. Slightly above average<br>7. Above average.<br>8. Much above average<br>9. Very large amount. |                           |
| E. MAINTAINING FORMS AND RECORDS<br>(CONTINUED)  |  |  |   |   |                           |
| 28.  | Initiate or review Quality Control Inspection Summary forms (AF Form 2420)                     |  | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |   |                           |
| 29.  | Initiate or review Routing and Review of Quality Control Reports forms (AF Form 2419)          |  | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |   |                           |
| 30.  | Initiate or review Supply Control Log forms (AF Form 2413)                                     |  | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |   |                           |
| 31.  | Initiate Technical Order System Publication Improvement Reports and Reply forms (AFTO Form 22) |  | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |   |                           |
| 32.  | Initiate work orders by voice communications   |  | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |   |                           |
| 33.  | Maintain or file On-The-Job Training Record forms (AF Form 623)                                |  | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |   |                           |
| 34.  | Maintain standard Air Force publication files  |  | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |   |                           |
| 35.  | Maintain technical publications files  |  | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |   |                           |
| 36.  | Prepare aircraft maintenance checksheets   |  | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |   |                           |
| 37.  | Prepare Danger tag forms (AF Form 1492)  |  | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |   |                           |
| 38.  | Prepare Issue/Turn-In Request forms (AF Form 2005)   |  | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |   |                           |
| 39.  | Prepare Maintenance Data Collection Record forms (AFTO Form 349)                               |  | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |   |                           |
| 40.  | Prepare Naval Aircraft Flight Records forms (OPNAV Form 3760-2)                                |  | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |   |                           |
| 41.  | Prepare Personnel Evaluation and Overall MSEP Points Computation forms (AF Form 2418)          |  | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |   |                           |
| 42.  | Prepare Quality Deficiency Report (Category II) forms (SF Form 368)                            |  | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |   |                           |
| 43.  | Prepare Reparable Item Processing Tag forms (AFTO Form 350)                                    |  | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |   |                           |
| 44.  | Prepare Serviceable Tag-Materiel forms (DD Form 1574)  |  | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |   |                           |
| 45.  | Prepare Technical Inspection Points Computation forms (AF Form 2417)                           |  | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |   |                           |
| 46.  | Prepare Temporary Issue Receipt forms (AF Form 1297)   |  | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |   |                           |
| 47.  | Prepare Trainer/AGE Maintenance Record forms (AFTO Form 444)                                   |  | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |   |                           |
| 48.  | Prepare Unserviceable (Condemned) Tag-Materiel forms (DD Form 1577)                            |  | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |   |                           |
| 49.  | Research or review aircraft maintenance checksheets  |  | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |   |                           |
| 50.  | Review or annotate Leave Request/Authorization forms (AF Form 988)                             |  | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |   |                           |
| NOTE: If any task you perform under this duty is not listed, write it on page 47 or 48.  |  |  | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |   |                           |

| <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | 1 Check tasks you perform now (✓)<br>2 On the back of the book, write in any unlisted tasks which you do now.<br>3 In the "Time Spent" column, rate all checked (✓) tasks on time spent in present job. | Check                  | TIME SPENT Present Job  |
|---|---|------------------------|---|
|   | AFSC 431X1  | ✓<br>IF<br>DONE<br>NOW | 1. Very small amount.<br>2. Much below average.<br>3. Below average.<br>4. Slightly below average.<br>5. About average.<br>6. Slightly above average.<br>7. Above average.<br>8. Much above average.<br>9. Very large amount. |
| F. PERFORMING SUPPLY FUNCTIONS  |   |                        |   |
| 1.  | Deliver equipment to precision measuring equipment laboratories (PMEL)  |                        | ○○○○○○○○○○  |
| 2.  | Establish bench stock   |                        | ○○○○○○○○○○  |
| 3.  | Establish priority for requesting parts   |                        | ○○○○○○○○○○  |
| 4.  | Interpret due-in-from-maintenance (DIFM) listings   |                        | ○○○○○○○○○○  |
| 5.  | Inventory bench stock   |                        | ○○○○○○○○○○  |
| 6.  | Inventory tool crib equipment   |                        | ○○○○○○○○○○  |
| 7.  | Inventory war readiness spares kits (WRSK)  |                        | ○○○○○○○○○○  |
| 8.  | Issue or receive tools  |                        | ○○○○○○○○○○  |
| 9.  | Locate part numbers from illustrated parts breakdowns   |                        | ○○○○○○○○○○  |
| 10.   | Maintain supply logs  |                        | ○○○○○○○○○○  |
| 11.   | Order parts by voice communications   |                        | ○○○○○○○○○○  |
| 12.   | Prepare DOD Single Line Item Release/Receipt Document forms (DD Form 1348M)   |                        | ○○○○○○○○○○  |
| 13.   | Prepare quick reference lists for ordering parts  |                        | ○○○○○○○○○○  |
| 14.   | Research quick reference lists for ordering parts   |                        | ○○○○○○○○○○  |
| 15.   | Research supply publications  |                        | ○○○○○○○○○○  |
| 16.   | Review or annotate daily document registers   |                        | ○○○○○○○○○○  |
| 17.   | Sign for parts  |                        | ○○○○○○○○○○  |
| 18.   | Trace location of undelivered parts   |                        | ○○○○○○○○○○  |
| 19.   | Verify identification of parts  |                        | ○○○○○○○○○○  |
| NOTE: If any task you perform under this duty is not listed, write it on page 47 or 48.   |   |                        | ○○○○○○○○○○  |
|   |   |                        | ○○○○○○○○○○  |
|   |   |                        | ○○○○○○○○○○  |
|   |   |                        | ○○○○○○○○○○  |
|   |   |                        | ○○○○○○○○○○  |
|   |   |                        | ○○○○○○○○○○  |



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|--|--|-------|------------------------|
|  | AFSC 431X1   |       | ✓ IF DONE NOW          |
| G. PERFORMING GENERAL AIRCRAFT MAINTENANCE   |  |       |                        |
|  | 1. Adjust aircraft access doors or hatches   |       | ○○○○○○○○○○○○           |
|  | 2. Adjust aircraft door linkage or latching mechanisms   |       | ○○○○○○○○○○○○           |
|  | 3. Adjust air deflector doors  |       | ○○○○○○○○○○○○           |
|  | 4. Adjust ammunition hoist cables  |       | ○○○○○○○○○○○○           |
|  | 5. Adjust bomb bay doors   |       | ○○○○○○○○○○○○           |
|  | 6. Adjust canopy latch mechanisms  |       | ○○○○○○○○○○○○           |
|  | 7. Adjust crewmember seat locking mechanisms   |       | ○○○○○○○○○○○○           |
|  | 8. Adjust dragchute system components  |       | ○○○○○○○○○○○○           |
|  | 9. Apply sealing compounds to aircraft components such as panels or windshields  |       | ○○○○○○○○○○○○           |
|  | 10. Brighten aircraft surfaces   |       | ○○○○○○○○○○○○           |
|  | 11. Clean external surfaces of aircraft other than transparent surfaces  |       | ○○○○○○○○○○○○           |
|  | 12. Clean interior of aircraft such as crew compartments or cargo compartments   |       | ○○○○○○○○○○○○           |
|  | 13. Clean transparent surfaces such as windshields   |       | ○○○○○○○○○○○○           |
|  | 14. Drain ARC-96 antenna hydraulic motor spill reservoirs  |       | ○○○○○○○○○○○○           |
|  | 15. Drain water from cockpits  |       | ○○○○○○○○○○○○           |
|  | 16. Drain water from pitot static systems  |       | ○○○○○○○○○○○○           |
|  | 17. Energize or deenergize circuit breakers  |       | ○○○○○○○○○○○○           |
|  | 18. Evaluate performance of new or redesigned tools  |       | ○○○○○○○○○○○○           |
|  | 19. Evaluate unsatisfactory report (UR) results  |       | ○○○○○○○○○○○○           |
|  | 20. Identify types of corrosion  |       | ○○○○○○○○○○○○           |
|  | 21. Inspect aircraft access door hardware  |       | ○○○○○○○○○○○○           |
|  | 22. Inspect aircraft access doors or hatches   |       | ○○○○○○○○○○○○           |
|  | 23. Inspect aircraft access door seals   |       | ○○○○○○○○○○○○           |
|  | 24. Inspect aircraft emergency tools   |       | ○○○○○○○○○○○○           |

| <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |   |                        |   |  | 1. Check tasks you perform now (✓)<br>2. On the back of the book, write in any unlisted tasks which you do now<br>3. In the "Time Spent" column, rate all checked (✓) tasks on time spent in present job. | Check | TIME SPENT<br>Present Job |
|--|---|------------------------|---|--|---|-------|---------------------------|
| AFSC 431X1   |   | ✓<br>IF<br>DONE<br>NOW | 1. Very small amount<br>2. Much below average<br>3. Below average<br>4. Slightly below average<br>5. About average<br>6. Slightly above average<br>7. Above average<br>8. Much above average<br>9. Very large amount.   |  |   |       |                           |
| G. PERFORMING GENERAL AIRCRAFT MAINTENANCE<br>(CONTINUED)  |   |                        |   |  |   |       |                           |
| 25.  | Inspect aircraft panels   |                        | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |  |   |       |                           |
| 26.  | Inspect aircraft windows or windshields                         |                        | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |  |   |       |                           |
| 27.  | Inspect airframe for structural damage                          |                        | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |  |   |       |                           |
| 28.  | Inspect ammunition hoist cables                                 |                        | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |  |   |       |                           |
| 29.  | Inspect assist-type takeoff (ATO) racks                         |                        | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |  |   |       |                           |
| 30.  | Inspect bilge pumps   |                        | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |  |   |       |                           |
| 31.  | Inspect dragchute systems                                       |                        | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |  |   |       |                           |
| 32.  | Inspect instrument markings                                     |                        | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |  |   |       |                           |
| 33.  | Inspect life raft stowage                                       |                        | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |  |   |       |                           |
| 34.  | Inspect portable fire extinguishers                             |                        | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |  |   |       |                           |
| 35.  | Inspect relief facilities                                       |                        | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |  |   |       |                           |
| 36.  | Inspect seats, seatbelts, inertial reels, or shoulder harnesses |                        | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |  |   |       |                           |
| 37.  | Inspect sextant mounts  |                        | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |  |   |       |                           |
| 38.  | Install or remove life rafts                                    |                        | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |  |   |       |                           |
| 39.  | Load or unload aircraft explosive cartridges                    |                        | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |  |   |       |                           |
| 40.  | Load or unload aircraft munitions                               |                        | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |  |   |       |                           |
| 41.  | Load or unload cameras or other pods                            |                        | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |  |   |       |                           |
| 42.  | Load or unload cargo  |                        | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |  |   |       |                           |
| 43.  | Lubricate cargo or bomb doors                                   |                        | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |  |   |       |                           |
| 44.  | Lubricate seat adjustment rails                                 |                        | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |  |   |       |                           |
| 45.  | Operate expedite vehicles                                       |                        | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |  |   |       |                           |
| 46.  | Operationally check aircraft doors                              |                        | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |  |   |       |                           |
| 47.  | Operationally check aircraft hoists                             |                        | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |  |   |       |                           |
| 48.  | Operationally check canopy systems                              |                        | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |  |   |       |                           |

|  |  |       |  |
|--|--|-------|--|
| <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | <p>1. Check tasks you perform now (A).</p> <p>2. On the back of the book, write in any unlisted tasks which you do now.</p> <p>3. In the "Time Spent" column, rate all checked (A) tasks on time spent in present job.</p> | Check | TIME SPENT Present Job   |
|  | <p style="text-align: center;">AFSC 431X1</p> <p style="text-align: center;">G. PERFORMING GENERAL AIRCRAFT MAINTENANCE (CONTINUED)</p>  |       |  |
|  |  |       |  |
| 49. Operationally check cargo ramp systems   |  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 50. Operationally check dragchute system deployment or release mechanisms  |  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 51. Operationally check seat adjustment systems  |  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 52. Operationally check sextant mounts   |  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 53. Perform extended cold weather preflights   |  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 54. Perform home station checks (HSC)  |  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 55. Perform maintenance debriefings of crewmembers   |  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 56. Prepare aircraft for loading or unloading munitions  |  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 57. Prewarm and set inertial navigation equipment  |  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 58. Read or interpret aircraft system blueprints   |  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 59. Read or interpret aircraft system layout drawings  |  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 60. Read or interpret graphs or charts   |  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 61. Read or interpret schematics   |  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 62. Recover or deliver dragchutes  |  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 63. Remove or replace aircraft access doors or hatches   |  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 64. Remove or replace aircraft access door hardware such as screws or rivets   |  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 65. Remove or replace aircraft access door seals   |  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 66. Remove or replace aircraft access panels   |  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 67. Remove or replace aircraft panel fasteners   |  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 68. Remove or replace ammunition hoist cables  |  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 69. Remove or replace ARC-96 antenna system aircharge bottles  |  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 70. Remove or replace ARC-96 antenna system cable cutters  |  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 71. Remove or replace ATO racks  |  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 72. Remove or replace canopies   |  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |



| <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | 1. Check tasks you perform now (✓).<br>2. On the back of the book, write in any unlisted tasks which you do now.<br>3. In the "Time Spent" column, rate all checked (✓) tasks on time spent in present job. | Check | TIME SPENT Present Job |
|--|---|-------|------------------------|
|  | AFSC 431X1  |       | ✓ IF DONE NOW          |
| <b>G. PERFORMING GENERAL AIRCRAFT MAINTENANCE (CONTINUED)</b>  |   |       |                        |
| 73.  | Remove or replace crewmember seatbelts  |       | ○●●●●●●●●●             |
| 74.  | Remove or replace crewmember seat inertial reels  |       | ○●●●●●●●●●             |
| 75.  | Remove or replace crewmember seats  |       | ○●●●●●●●●●             |
| 76.  | Remove or replace crewmember seat locking mechanisms  |       | ○●●●●●●●●●             |
| 77.  | Remove or replace crewmember seat shoulder harnesses  |       | ○●●●●●●●●●             |
| 78.  | Remove or replace dorsal fins   |       | ○●●●●●●●●●             |
| 79.  | Remove or replace dragchute systems   |       | ○●●●●●●●●●             |
| 80.  | Remove or replace electronic countermeasures (ECM) scopes or ECM control panels   |       | ○●●●●●●●●●             |
| 81.  | Remove or replace engine struts or engine pylons  |       | ○●●●●●●●●●             |
| 82.  | Remove or replace flight instruments  |       | ○●●●●●●●●●             |
| 83.  | Remove or replace gun purge doors   |       | ○●●●●●●●●●             |
| 84.  | Remove or replace hatch hardware such as screws or rivets   |       | ○●●●●●●●●●             |
| 85.  | Remove or replace horizontal stabilizer leading edges   |       | ○●●●●●●●●●             |
| 86.  | Remove or replace instrument panels   |       | ○●●●●●●●●●             |
| 87.  | Remove or replace leading edge bleed air ducts  |       | ○●●●●●●●●●             |
| 88.  | Remove or replace photoflash doors  |       | ○●●●●●●●●●             |
| 89.  | Remove or replace pressure seals  |       | ○●●●●●●●●●             |
| 90.  | Remove or replace protective coverings such as pitot tube coverings   |       | ○●●●●●●●●●             |
| 91.  | Remove or replace radome hardware   |       | ○●●●●●●●●●             |
| 92.  | Remove or replace radomes   |       | ○●●●●●●●●●             |
| 93.  | Remove or replace radome seals  |       | ○●●●●●●●●●             |
| 94.  | Remove or replace relief facilities or components   |       | ○●●●●●●●●●             |
| 95.  | Remove or replace safety devices  |       | ○●●●●●●●●●             |
| 96.  | Remove or replace sextant mounts  |       | ○●●●●●●●●●             |



| <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | 1. Check tasks you perform now (✓).<br>2. On the back of the book, write in any unlisted tasks which you do now.<br>3. In the "Time Spent" column, rate all checked (✓) tasks on time spent in present job. | Check                  | TIME SPENT Present Job  |
|--|---|------------------------|---|
| <b>AFSC 431X1</b><br><br><b>G. PERFORMING GENERAL AIRCRAFT MAINTENANCE (CONTINUED)</b>   |   | ✓<br>IF<br>DONE<br>NOW | 1. Very small amount.<br>2. Much below average.<br>3. Below average.<br>4. Slightly below average.<br>5. About average.<br>6. Slightly above average.<br>7. Above average.<br>8. Much above average.<br>9. Very large amount. |
| 121.   | Visually inspect ARC-96 antenna inclosures or hydraulic hoses   |                        | ○○○○○○○○○○  |
| 122.   | Visually inspect ARC-96 antenna retractable spools  |                        | ○○○○○○○○○○  |
| 123.   | Visually inspect ejection seat safety pins  |                        | ○○○○○○○○○○  |
| 124.   | Visually inspect ejection systems   |                        | ○○○○○○○○○○  |
| 125.   | Visually inspect emergency escape systems   |                        | ○○○○○○○○○○  |
| 126.   | Visually inspect first-aid kits for availability  |                        | ○○○○○○○○○○  |
| 127.   | Visually inspect survival kits for availability   |                        | ○○○○○○○○○○  |
| NOTE: If any task you perform under this duty is not listed, write it on page 47 or 48.  |   |                        | ○○○○○○○○○○  |
|  |   |                        | ○○○○○○○○○○  |
|  |   |                        | ○○○○○○○○○○  |
| <b>H. PERFORMING GROUND HANDLING OF AIRCRAFT</b>   |   |                        | ○○○○○○○○○○  |
|  |   |                        | ○○○○○○○○○○  |
|  |   |                        | ○○○○○○○○○○  |
| 1.   | Bleed aircraft hydraulic systems  |                        | ○○○○○○○○○○  |
| 2.   | Bleed aircraft pneumatic systems  |                        | ○○○○○○○○○○  |
| 3.   | Bleed aircraft thrust augmentation systems  |                        | ○○○○○○○○○○  |
| 4.   | Brief aircraft touring teams  |                        | ○○○○○○○○○○  |
| 5.   | Brief tow team members  |                        | ○○○○○○○○○○  |
| 6.   | Direct fueling or defueling of aircraft   |                        | ○○○○○○○○○○  |
| 7.   | Direct jacking of aircraft  |                        | ○○○○○○○○○○  |
| 8.   | Drain aircraft engine oil systems   |                        | ○○○○○○○○○○  |
| 9  | Drain aircraft fuel service systems   |                        | ○○○○○○○○○○  |
| 10.  | Fold or erect vertical fins   |                        | ○○○○○○○○○○  |
| 11.  | Fold or unfold aircraft wings   |                        | ○○○○○○○○○○  |

| <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | 1. Check tasks you perform now (✓).<br>2. On the back of the book, write in any unlisted tasks which you do now.<br>3. In the "Time Spent" column, rate all checked (✓) tasks on time spent in present job. | Check | TIME SPENT Present Job  |
|--|---|-------|---|
|  | AFSC 431X1  |       | ✓ IF DONE NOW   |
|  | H. PERFORMING GROUND HANDLING OF AIRCRAFT (CONTINUED)   |       |   |
|  | 12. Fuel aircraft using hot refueling methods   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 13. Fuel aircraft using hydrant refueling methods   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 14. Fuel aircraft using over-wing refueling methods   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 15. Fuel aircraft using single-point refueling methods  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 16. Ground aircraft   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 17. Hangar aircraft   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 18. Install or remove aircraft decals   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 19. Interpret North Atlantic Treaty Organization (NATO) aircraft markings   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 20. Jack aircraft   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 21. Launch or recover aircraft  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 22. Level aircraft  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 23. Lift aircraft by air bags   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 24. Marshal aircraft  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 25. Measure ground height of aircraft   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 26. Moor aircraft by refueling or sandbagging   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 27. Moor aircraft by tying down   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 28. Operate aerospace ground equipment (AGE) air conditioning equipment   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 29. Operate AGE air compressors   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 30. Operate AGE dollies, slings, or cradles   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 31. Operate AGE gas turbine compressors   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 32. Operate AGE ground heaters  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 33. Operate AGE hydraulic test stands   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 34. Operate AGE portable generators   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 35. Operate AGE portable lighting equipment   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |

| <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | 1. Check tasks you perform now ( <i>/</i> ).<br>2. On the back of the book, write in any unlisted tasks which you do now.<br>3. In the "Time Spent" column, rate all checked ( <i>/</i> ) tasks on time spent in present job. | Check  | TIME SPENT<br>Present Job   |
|---|---|--|---|
| AFSC 431X1<br><br><b>H. PERFORMING GROUND HANDLING OF AIRCRAFT<br/>(CONTINUED)</b>  |   | <input checked="" type="checkbox"/><br>IF<br>DONE<br>NOW | 1. Very small amount.<br>2. Much below average.<br>3. Below average.<br>4. Slightly below average.<br>5. About average.<br>6. Slightly above average.<br>7. Above average.<br>8. Much above average.<br>9. Very large amount. |
| 36.   | Operate aircraft cockpit controls during towing operations  |  | ○○○○○○○○○○  |
| 37.   | Operate aircraft radios   |  | ○○○○○○○○○○  |
| 38.   | Operate aircraft wheel movers   |  | ○○○○○○○○○○  |
| 39.   | Operate hydraulic servicing carts   |  | ○○○○○○○○○○  |
| 40.   | Operate maintenance stands  |  | ○○○○○○○○○○  |
| 41.   | Operate tow vehicles  |  | ○○○○○○○○○○  |
| 42.   | Operate wing sweeps   |  | ○○○○○○○○○○  |
| 43.   | Perform stab droop checks   |  | ○○○○○○○○○○  |
| 44.   | Position AGE to aircraft  |  | ○○○○○○○○○○  |
| 45.   | Position or remove aircraft chocks  |  | ○○○○○○○○○○  |
| 46.   | Prepare recommendations to impound or quarantine aircraft   |  | ○○○○○○○○○○  |
| 47.   | Quick check aircraft at end of runways  |  | ○○○○○○○○○○  |
| 48.   | Remove disabled aircraft from runways   |  | ○○○○○○○○○○  |
| 49.   | Remove, install, or rig dragchutes  |  | ○○○○○○○○○○  |
| 50.   | Remove or install external fuel tanks   |  | ○○○○○○○○○○  |
| 51.   | Remove snow or ice from aircraft by using AGE   |  | ○○○○○○○○○○  |
| 52.   | Remove snow or ice from aircraft manually   |  | ○○○○○○○○○○  |
| 53.   | Select cleaning materials for cleaning aircraft interior or exterior surfaces   |  | ○○○○○○○○○○  |
| 54.   | Select fuel, oil, or lubricant for aircraft servicing   |  | ○○○○○○○○○○  |
| 55.   | Service aircraft alternator or generator drives   |  | ○○○○○○○○○○  |
| 56.   | Service aircraft engine oil systems   |  | ○○○○○○○○○○  |
| 57.   | Service aircraft hydraulic systems  |  | ○○○○○○○○○○  |
| 58.   | Service aircraft oxygen systems with gaseous oxygen   |  | ○○○○○○○○○○  |
| 59.   | Service aircraft oxygen systems with liquid oxygen  |  | ○○○○○○○○○○  |

| <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | 1. Check tasks you perform now (A).<br>2. On the back of the book, write in any unlisted tasks which you do now.<br>3. In the "Time Spent" column, rate all checked (A) tasks on time spent in present job. | Check               | TIME SPENT<br>Present Job   |
|--|---|---------------------|---|
|  |   | / IF<br>DONE<br>NOW | 1. Very small amount.<br>2. Much below average.<br>3. Below average.<br>4. Slightly below average.<br>5. About average.<br>6. Slightly above average.<br>7. Above average.<br>8. Much above average.<br>9. Very large amount.                             |
|  | AFSC 431X1<br><br>H. PERFORMING GROUND HANDLING OF AIRCRAFT<br>(CONTINUED)  |                     |   |
|  | 60. Service aircraft thrust augmentation systems  |                     | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 61. Service aircraft pneumatic systems  |                     | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 62. Service aircraft tires with air   |                     | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 63. Service aircraft tires with nitrogen  |                     | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 64. Stand cold weather heater watch   |                     | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 65. Stand fire guard  |                     | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 66. Take engine oil samples for spectrometric oil analysis program (SOAP)   |                     | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 67. Walk wings or tails during aircraft towing operations   |                     | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 68. Weigh aircraft  |                     | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | NOTE: If any task you perform under this duty is not listed, write it on page 47 or 48.   |                     | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  |   |                     | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  |   |                     | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | I. MAINTAINING LANDING GEAR SYSTEMS   |                     | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  |   |                     | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  |   |                     | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 1. Adjust aircraft crosswind systems or components  |                     | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 2. Adjust landing gear mechanical components  |                     | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 3. Adjust landing gear ski systems  |                     | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 4. Adjust landing gear steering mechanism components  |                     | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 5. Bleed brake assemblies   |                     | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 6. Break down tires   |                     | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 7. Build up tires   |                     | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 8. Clean polished surfaces of struts  |                     | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 9. Determine feasibility of retreading aircraft tires   |                     | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |

| <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | 1. Check tasks you perform now (✓)<br>2. On the back of the book, write in any unlisted tasks which you do now<br>3. In the Time Spent column, rate all checked (✓) tasks on time spent in present job. | Check<br><br><br>✓<br>IF<br>DONE<br>NOW | TIME SPENT<br>Present Job<br><br>1. Very small amount<br>2. Much below average.<br>3. Below average.<br>4. Slightly below average<br>5. About average.<br>6. Slightly above average<br>7. Above average<br>8. Much above average.<br>9. Very large amount |
|--|---|---|---|
|  | AFSC 431X1<br><br>I. MAINTAINING LANDING GEAR SYSTEMS<br>(CONTINUED)  |   |   |
| 10.  | Inspect aircraft arresting gear components  |   | 0 0 0 0 0 0 0 0 0   |
| 11.  | Inspect aircraft arresting gear systems   |   | 0 0 0 0 0 0 0 0 0   |
| 12.  | Inspect aircraft crosswind system or components   |   | 0 0 0 0 0 0 0 0 0   |
| 13.  | Inspect aircraft landing gear arresting hooks   |   | 0 0 0 0 0 0 0 0 0   |
| 14.  | Inspect aircraft steering systems   |   | 0 0 0 0 0 0 0 0 0   |
| 15.  | Inspect aircraft wheel assemblies   |   | 0 0 0 0 0 0 0 0 0   |
| 16.  | Inspect anti-skid systems or components   |   | 0 0 0 0 0 0 0 0 0   |
| 17.  | Inspect braking system components   |   | 0 0 0 0 0 0 0 0 0   |
| 18.  | Inspect landing gear electrical components  |   | 0 0 0 0 0 0 0 0 0   |
| 19.  | Inspect landing gear hydraulic components   |   | 0 0 0 0 0 0 0 0 0   |
| 20.  | Inspect landing gear ski systems  |   | 0 0 0 0 0 0 0 0 0   |
| 21.  | Inspect landing gear structural components  |   | 0 0 0 0 0 0 0 0 0   |
| 22.  | Inspect nosewheel steering components   |   | 0 0 0 0 0 0 0 0 0   |
| 23.  | Inspect struts  |   | 0 0 0 0 0 0 0 0 0   |
| 24.  | Inspect wheel bearings  |   | 0 0 0 0 0 0 0 0 0   |
| 25.  | Inspect wheels  |   | 0 0 0 0 0 0 0 0 0   |
| 26.  | Lubricate struts  |   | 0 0 0 0 0 0 0 0 0   |
| 27.  | Lubricate wheel bearings  |   | 0 0 0 0 0 0 0 0 0   |
| 28.  | Operate aircraft kneeling systems   |   | 0 0 0 0 0 0 0 0 0   |
| 29.  | Operationally check aircraft arresting gear systems   |   | 0 0 0 0 0 0 0 0 0   |
| 30.  | Operationally check aircraft crosswind systems or components  |   | 0 0 0 0 0 0 0 0 0   |
| 31.  | Operationally check aircraft kneeling systems   |   | 0 0 0 0 0 0 0 0 0   |
| 32.  | Operationally check aircraft landing gears  |   | 0 0 0 0 0 0 0 0 0   |
| 33.  | Operationally check aircraft landing gear arresting hooks   |   | 0 0 0 0 0 0 0 0 0   |

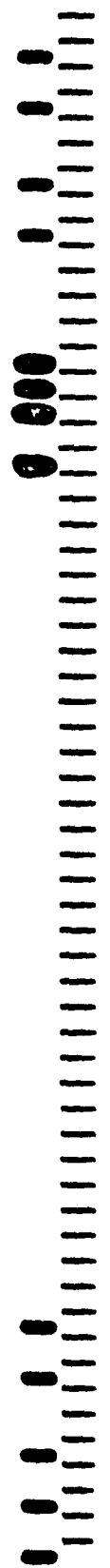
|   |   |                                     |   |
|---|---|-------------------------------------|---|
| <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | 1. Check tasks you perform now (✓).<br>2. On the back of the book, write in any unlisted tasks which you do now.<br>3. In the "Time Spent" column, rate all checked (✓) tasks on time spent in present job. | Check<br><br>✓<br>IF<br>DONE<br>NOW | <b>TIME SPENT:</b><br><b>Present Job</b><br><br>1. Very small amount.<br>2. Much below average.<br>3. Below average.<br>4. Slightly below average.<br>5. About average.<br>6. Slightly above average.<br>7. Above average.<br>8. Much above average.<br>9. Very large amount.   |
| AFSC 431X1<br><br>I. MAINTAINING LANDING GEAR SYSTEMS<br>(CONTINUED)  |   |                                     |   |
|   |   |                                     |   |
| 34.   | Operationally check aircraft steering systems   |                                     | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 35.   | Operationally check anti-skid systems   |                                     | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 36.   | Operationally check brake systems   |                                     | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 37.   | Operationally check landing gear indicator systems  |                                     | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 38.   | Operationally check landing gear ski systems  |                                     | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 39.   | Operationally check nosewheel steering systems or components  |                                     | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 40.   | Operationally check tip or outrigger struts   |                                     | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 41.   | Remove or replace aircraft arresting gear components  |                                     | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 42.   | Remove or replace aircraft arresting gear systems   |                                     | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 43.   | Remove or replace aircraft crosswind system components  |                                     | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 44.   | Remove or replace aircraft steering system components   |                                     | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 45.   | Remove or replace aircraft tire or wheel assemblies   |                                     | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 46.   | Remove or replace anti-skid system components   |                                     | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 47.   | Remove or replace brake assemblies  |                                     | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 48.   | Remove or replace brake assembly components   |                                     | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 49.   | Remove or replace components of gear doors  |                                     | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 50.   | Remove or replace gear doors  |                                     | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 51.   | Remove or replace landing gear electrical system components   |                                     | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 52.   | Remove or replace landing gear hydraulic system components  |                                     | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 53.   | Remove or replace landing gear ski system components  |                                     | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 54.   | Remove or replace landing gear structural components such as metal braces   |                                     | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 55.   | Remove or replace landing gears   |                                     | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 56.   | Remove or replace shimmy dampers  |                                     | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 57.   | Remove or replace struts  |                                     | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |





| <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | 1. Check tests you perform now (✓).<br>2. On the back of the book, write in any unlisted tests which you do now.<br>3. In the "Time Spent" column, rate all checked (✓) tests on time spent in present job. | Check | TIME SPENT Present Job   |
|--|---|-------|--------------------------|
|  | AFSC 431X1  |       | / IF DONE NOW            |
|  | <b>J. MAINTAINING UTILITY SYSTEMS</b>   |       |                          |
|  | 1. Drain or purge gaseous oxygen systems  |       | <input type="checkbox"/> |
|  | 2. Drain or purge liquid oxygen systems   |       | <input type="checkbox"/> |
|  | 3. Inspect air turbine motors (ATM)   |       | <input type="checkbox"/> |
|  | 4. Inspect aircraft air conditioning system or components   |       | <input type="checkbox"/> |
|  | 5. Inspect aircraft defog ducts   |       | <input type="checkbox"/> |
|  | 6. Inspect aircraft fire suppression systems  |       | <input type="checkbox"/> |
|  | 7. Inspect aircraft gaseous oxygen systems  |       | <input type="checkbox"/> |
|  | 8. Inspect aircraft liquid oxygen indicator systems   |       | <input type="checkbox"/> |
|  | 9. Inspect aircraft liquid oxygen systems or components   |       | <input type="checkbox"/> |
|  | 10. Inspect aircraft mounted air compressors  |       | <input type="checkbox"/> |
|  | 11. Inspect aircraft rain removal ducts   |       | <input type="checkbox"/> |
|  | 12. Inspect aircraft tire deflation systems   |       | <input type="checkbox"/> |
|  | 13. Inspect aircraft windshield washer systems or components  |       | <input type="checkbox"/> |
|  | 14. Inspect aircraft windshield wiper systems or components   |       | <input type="checkbox"/> |
|  | 15. Inspect auxiliary power units (APU) or gas turbine compressors (GTC)  |       | <input type="checkbox"/> |
|  | 16. Inspect de-icing systems or components  |       | <input type="checkbox"/> |
|  | 17. Inspect fire warning or overheat detection systems or components  |       | <input type="checkbox"/> |
|  | 18. Inspect RAT   |       | <input type="checkbox"/> |
|  | 19. Lubricate aircraft windshield wiper systems   |       | <input type="checkbox"/> |
|  | 20. Operate aircraft auxiliary power plants   |       | <input type="checkbox"/> |
|  | 21. Operationally check aircraft liquid oxygen systems or components  |       | <input type="checkbox"/> |
|  | 22. Operationally check aircraft-mounted air compressors  |       | <input type="checkbox"/> |
|  | 23. Operationally check APU or GTC  |       | <input type="checkbox"/> |
|  | 24. Operationally check ATM   |       | <input type="checkbox"/> |

|   | 1. Check tasks you perform now (✓).<br>2. On the back of the book, write in any unlisted tasks which you do now.<br>3. In the "Time Spent" column, rate all checked (✓) tasks on time spent in present job. | Check<br><br>IF<br>DONE<br>NOW | TIME SPENT<br>Present Job<br><br>1. Very small amount.<br>2. Much below average.<br>3. Below average.<br>4. Slightly below average.<br>5. About average.<br>6. Slightly above average.<br>7. Above average.<br>8. Much above average.<br>9. Very large amount. |
|---|---|--------------------------------|--|
| AFSC 431X1<br><br><b>J. MAINTAINING UTILITY SYSTEMS (CONTINUED)</b> |   |                                |  |
| 25.   | Operationally check air conditioning or pressurization systems  |                                |  |
| 26.   | Operationally check aircraft gaseous oxygen systems or components   |                                |  |
| 27.   | Operationally check bleed air systems   |                                |  |
| 28.   | Operationally check de-icing systems  |                                |  |
| 29.   | Operationally check fire extinguisher systems   |                                |  |
| 30.   | Operationally check fire warning or overheat detection systems  |                                |  |
| 31.   | Operationally check rain removal systems  |                                |  |
| 32.   | Operationally check RAT   |                                |  |
| 33.   | Remove or replace aircraft air conditioning ducts   |                                |  |
| 34.   | Remove or replace aircraft ATM cooling system components  |                                |  |
| 35.   | Remove or replace aircraft de-icing systems or components   |                                |  |
| 36.   | Remove or replace aircraft washer systems or components   |                                |  |
| 37.   | Remove or replace defog system mechanical switches  |                                |  |
| 38.   | Remove or replace oxygen converters   |                                |  |
| 39.   | Remove or replace oxygen regulators   |                                |  |
| 40.   | Service aircraft air conditioning systems   |                                |  |
| 41.   | Service aircraft fire suppression systems   |                                |  |
| 42.   | Service aircraft-mounted air compressors  |                                |  |
| 43.   | Service aircraft windshield washer systems  |                                |  |
| 44.   | Service aircraft with drinking water  |                                |  |
| 45.   | Service auxiliary power plants  |                                |  |
| 46.   | Troubleshoot aircraft air conditioning or pressurization systems or components  |                                |  |
| 47.   | Troubleshoot aircraft de-icing systems  |                                |  |
| 48.   | Troubleshoot aircraft gaseous oxygen systems or components  |                                |  |

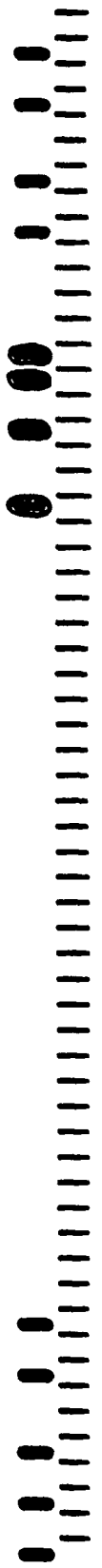


| <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | 1. Check tasks you perform now (✓).<br>2. On the back of the book, write in any unlisted tasks which you do now.<br>3. In the "Time Spent" column, rate all checked (✓) tasks on time spent in present job. | Check | TIME SPENT Present Job   |
|--|---|-------|--|
|  | AFSC 431X1<br><br>J. MAINTAINING UTILITY SYSTEMS (CONTINUED)  |       | ✓<br>IF<br>DONE<br>NOW   |
|  | 49. Troubleshoot aircraft liquid oxygen systems or components   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 50. Troubleshoot aircraft windshield wiper systems  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | NOTE: If any task you perform under this duty is not listed, write it on page 47 or 48.   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  |   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
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|  | K. MAINTAINING FLIGHT CONTROL SYSTEMS   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
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|  | 1. Adjust aircraft pitch trim   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 2. Adjust flight control stops  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 3. Adjust installed flight control adjustable tabs  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 4. Adjust installed flight control fixed tabs   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 5. Adjust or replace regulators on flight control balance panels  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 6. Adjust travel of aircraft trim actuators   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 7. Align or adjust aircraft control surface stops   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 8. Check control surface travel using protractors, templates, or rigging devices  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 9. Inspect all-weather landing systems  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 10. Inspect artificial feel system components   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 11. Inspect autopilot system or components  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 12. Inspect boost engage locks  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 13. Inspect boundary layer control (BLC) ducts  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 14. Inspect BLC valves  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 15. Inspect electrical flight control systems   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 16. Inspect flight control surfaces   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |





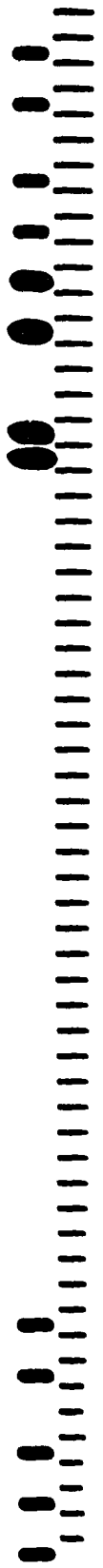
| <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | 1. Check tasks you perform now (A)<br>2. On the back of the book, write in any unlisted tasks which you do now.<br>3. In the "Time Spent" column, rate all checked (A) tasks on time spent in present job. | Check | TIME SPENT<br>Present Job                                |
|--|--|-------|--|
|  | AFSC 431X1   |       | <input checked="" type="checkbox"/><br>IF<br>DONE<br>NOW |
| K. MAINTAINING FLIGHT CONTROL SYSTEMS<br>(CONTINUED)   |  |       |  |
| 65.  | Troubleshoot hydraulic flight control systems  |       | <input type="checkbox"/>                                 |
| 66.  | Troubleshoot manual flight control systems   |       | <input type="checkbox"/>                                 |
| NOTE: If any task you perform under this duty is not listed, write it on page 47 or 48.  |  |       | <input type="checkbox"/>                                 |
|  |  |       | <input type="checkbox"/>                                 |
|  |  |       | <input type="checkbox"/>                                 |
| L. MAINTAINING PNEUDRAULIC SYSTEMS   |  |       | <input type="checkbox"/>                                 |
|  |  |       | <input type="checkbox"/>                                 |
|  |  |       | <input type="checkbox"/>                                 |
| 1.   | Adjust tail bumpers  |       | <input type="checkbox"/>                                 |
| 2.   | Adjust tail hooks  |       | <input type="checkbox"/>                                 |
| 3.   | Inspect camera pneumatic systems   |       | <input type="checkbox"/>                                 |
| 4.   | Inspect canopy open or close valves  |       | <input type="checkbox"/>                                 |
| 5.   | Inspect cargo door hydraulic systems   |       | <input type="checkbox"/>                                 |
| 6.   | Inspect emergency or normal flap extensions  |       | <input type="checkbox"/>                                 |
| 7.   | Inspect emergency or normal gear extensions  |       | <input type="checkbox"/>                                 |
| 8.   | Inspect hydraulic system accumulators  |       | <input type="checkbox"/>                                 |
| 9.   | Inspect hydraulic system actuators   |       | <input type="checkbox"/>                                 |
| 10.  | Inspect hydraulic system dehydrators   |       | <input type="checkbox"/>                                 |
| 11.  | Inspect hydraulic system dryers  |       | <input type="checkbox"/>                                 |
| 12.  | Inspect hydraulic system filters   |       | <input type="checkbox"/>                                 |
| 13.  | Inspect hydraulic system motors  |       | <input type="checkbox"/>                                 |
| 14.  | Inspect hydraulic system power packages  |       | <input type="checkbox"/>                                 |
| 15.  | Inspect hydraulic system pumps   |       | <input type="checkbox"/>                                 |
| 16.  | Inspect hydraulic system reservoirs  |       | <input type="checkbox"/>                                 |



|   | 1. Check tasks you perform now (✓).<br>2. On the back of the book, write in any unused tasks which you do now.<br>3. In the "Time Spent" column, rate all checked (✓) tasks on time spent in present job. | Check                  | TIME SPENT<br>Present Job   |
|---|---|------------------------|---|
| AFSC 431X1<br><br><b>L. MAINTAINING PNEUDRAULIC SYSTEMS<br/>(CONTINUED)</b> |   | ✓<br>IF<br>DONE<br>NOW | 1. Very small amount.<br>2. Much below average.<br>3. Below average.<br>4. Slightly below average.<br>5. About average.<br>6. Slightly above average.<br>7. Above average.<br>8. Much above average.<br>9. Very large amount. |
| 17. Inspect hydraulic system reservoirs sight gages                         |   |                        |   |
| 18. Inspect hydraulic system tubing or lines                                |   |                        |   |
| 19. Inspect hydraulic system valves   |   |                        |   |
| 20. Inspect photoflash doors  |   |                        |   |
| 21. Inspect pneumatic actuators   |   |                        |   |
| 22. Inspect pneumatic ducts   |   |                        |   |
| 23. Inspect pneumatic escape spoiler door systems                           |   |                        |   |
| 24. Inspect pneumatic relief valves   |   |                        |   |
| 25. Inspect pneumatic system air bottles                                    |   |                        |   |
| 26. Inspect pneumatic system air compressors                                |   |                        |   |
| 27. Inspect pneumatic system check valves                                   |   |                        |   |
| 28. Inspect pneumatic system tubing or lines                                |   |                        |   |
| 29. Inspect tail bumpers  |   |                        |   |
| 30. Inspect tail hooks  |   |                        |   |
| 31. Operationally check emergency or normal flap extensions                 |   |                        |   |
| 32. Operationally check emergency or normal gear extensions                 |   |                        |   |
| 33. Operationally check hydraulic actuators                                 |   |                        |   |
| 34. Operationally check hydraulic filters                                   |   |                        |   |
| 35. Operationally check hydraulic power packages                            |   |                        |   |
| 36. Operationally check hydraulic pumps                                     |   |                        |   |
| 37. Operationally check hydraulic valves                                    |   |                        |   |
| 38. Remove or replace accumulator pressure gauges                           |   |                        |   |
| 39. Remove or replace chemical dryers                                       |   |                        |   |
| 40. Remove or replace dehydrators   |   |                        |   |



|   | 1. Check tasks you perform now (A).<br>2. On the back of the book, write in any unlisted tasks which you do now.<br>3. In the "Time Spent" column, rate all checked (A) tasks on time spent in present job. | Check  | TIME SPENT<br>Present Job   |
|---|---|--|---|
| AFSC 431X1<br><br><b>L. MAINTAINING PNEUDRAULIC SYSTEMS<br/>(CONTINUED)</b> |   | <input checked="" type="checkbox"/><br>IF<br>DONE<br>NOW | 1. Very small amount.<br>2. Much below average.<br>3. Below average.<br>4. Slightly below average.<br>5. About average.<br>6. Slightly above average.<br>7. Above average.<br>8. Much above average.<br>9. Very large amount. |
| 41.   | Remove or replace hydraulic reservoir sight gauges  |  | ○○○○○○○○○○  |
| 42.   | Remove or replace hydraulic system accumulators   |  | ○○○○○○○○○○  |
| 43.   | Remove or replace hydraulic system filters  |  | ○○○○○○○○○○  |
| 44.   | Remove or replace pneumatic system accumulators   |  | ○○○○○○○○○○  |
| 45.   | Remove or replace schrader valves   |  | ○○○○○○○○○○  |
| 46.   | Remove or replace tail bumpers  |  | ○○○○○○○○○○  |
| 47.   | Remove or replace tail hooks  |  | ○○○○○○○○○○  |
| 48.   | Remove or replace turbine-driven hydraulic packs  |  | ○○○○○○○○○○  |
| 49.   | Remove or open or close valves  |  | ○○○○○○○○○○  |
| 50.   | Remove or adjust gun purge doors  |  | ○○○○○○○○○○  |
| 51.   | Rig or adjust photoflash doors  |  | ○○○○○○○○○○  |
| 52.   | Rig or adjust RAT doors   |  | ○○○○○○○○○○  |
| 53.   | Rig tail hooks  |  | ○○○○○○○○○○  |
| 54.   | Service pneudraulic systems or components   |  | ○○○○○○○○○○  |
| 55.   | Service tail bumpers  |  | ○○○○○○○○○○  |
| 56.   | Service tail hooks  |  | ○○○○○○○○○○  |
| 57.   | Troubleshoot hydraulic systems  |  | ○○○○○○○○○○  |
| 58.   | Troubleshoot pneumatic systems  |  | ○○○○○○○○○○  |
| NOTE:   | If any task you perform under this duty is not listed, write it on page 47 or 48.   |  | ○○○○○○○○○○  |
|   |   |  | ○○○○○○○○○○  |
|   |   |  | ○○○○○○○○○○  |
|   |   |  | ○○○○○○○○○○  |
|   |   |  | ○○○○○○○○○○  |
|   |   |  | ○○○○○○○○○○  |



| <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | 1. Check tasks you perform now (A).<br>2. On the back of the book, write in any unlisted tasks which you do now.<br>3. In the "Time Spent" column, rate all checked (A) tasks on time spent in present job. | Check | TIME SPENT<br>Present Job   |
|--|---|-------|---|
|  | AFSC 431X1  |       | <input checked="" type="checkbox"/> IF<br><input type="checkbox"/> DONE<br><input type="checkbox"/> NOW   |
|  | M. MAINTAINING ELECTRICAL SYSTEMS   |       |   |
|  | 1. Adjust microswitches   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 2. Clean battery terminals or connectors  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>                          |
|  | 3. Inspect aircraft alternators or generators   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>                          |
|  | 4. Inspect aircraft battery vent systems  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>                          |
|  | 5. Inspect aircraft external lights   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>                          |
|  | 6. Inspect aircraft external power receptacles  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>                          |
|  | 7. Inspect aircraft internal lights   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>                          |
|  | 8. Inspect aircraft inverters   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>                          |
|  | 9. Inspect aircraft lead-acid batteries   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>                          |
|  | 10. Inspect aircraft-mounted switches   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>                          |
|  | 11. Inspect aircraft nickel-cadmium batteries   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>                          |
|  | 12. Inspect aircraft warning systems  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>                          |
|  | 13. Inspect aircraft wiring or connectors   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>                          |
|  | 14. Inspect fuse or circuit breaker panels  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>                          |
|  | 15. Operationally check aircraft external lights  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>                          |
|  | 16. Operationally check aircraft generator systems  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>                          |
|  | 17. Operationally check aircraft-installed batteries  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>                          |
|  | 18. Operationally check aircraft-installed warning systems  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>                          |
|  | 19. Operationally check aircraft internal lights  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>                          |
|  | 20. Operationally check aircraft inverters  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>                          |
|  | 21. Operationally check air-driven generators or alternators  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>                          |
|  | 22. Operationally check engine-driven generators or alternators   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>                          |
|  | 23. Operationally check microswitches   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>                          |
|  | 24. Operationally check pilot director systems  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>                          |

| <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | 1. Check tasks you perform now (A).<br>2. On the back of the book, write in any unlisted tasks which you do now.<br>3. In the "Time Spent" column, rate all checked (A) tasks on time spent in present job. | Check<br><br><input checked="" type="checkbox"/><br>IF<br>DONE<br>NOW   | TIME SPENT<br>Present Job  |
|--|---|---|--|
|  | AFSC 431X1<br><br>M. MAINTAINING ELECTRICAL SYSTEMS<br>(CONTINUED)  | 1. Very small amount.<br>2. Much below average.<br>3. Below average.<br>4. Slightly below average.<br>5. About average.<br>6. Slightly above average.<br>7. Above average.<br>8. Much above average.<br>9. Very large amount. |  |
| 25.  | Operationally check transformer rectifiers  |   | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 26.  | Perform continuity checks of aircraft engine magnetic plugs   |   | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 27.  | Perform continuity checks of aircraft start systems   |   | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 28.  | Remove or replace aircraft light lenses   |   | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 29.  | Remove or replace aircraft-mounted batteries  |   | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 30.  | Remove or replace aircraft-mounted fuses  |   | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 31.  | Remove or replace aircraft-mounted light bulbs  |   | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 32.  | Remove or replace pilot director indicator (PDI) doors  |   | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 33.  | Remove or replace PDI reflectors  |   | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 34.  | Service aircraft batteries  |   | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 35.  | Service aircraft battery sump jars  |   | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 36.  | Service aircraft battery vent systems   |   | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 37.  | Test aircraft batteries   |   | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 38.  | Troubleshoot aircraft-installed warning systems   |   | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 39.  | Troubleshoot external lighting systems  |   | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 40.  | Troubleshoot internal lighting systems  |   | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| NOTE: If any task you perform under this duty is not listed, write it on page 47 or 48.  |   |   | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
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| N. MAINTAINING FUEL SYSTEMS  |   |   | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
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| 1.   | Clean fuel filters  |   | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 2.   | Cover connections of removed external fuel tanks such as cannon plugs   |   | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |

(Continued next page)

| 1. Check tasks you perform now (A).<br>2. On the back of the book, write in any unlisted tasks which you do now.<br>3. In the "Time Spent" column, rate all checked (A) tasks on time spent in present job |                          |                          |                          |                          | Check                  | TIME SPENT Present Job  |
|--|--------------------------|--------------------------|--------------------------|--------------------------|------------------------|---|
| AFSC 431X1   |                          |                          |                          |                          |                        |   |
| N. MAINTAINING FUEL SYSTEMS (CONTINUED)  |                          |                          |                          |                          | /<br>IF<br>DONE<br>NOW | 1. Very small amount.<br>2. Much below average.<br>3. Below average.<br>4. Slightly below average.<br>5. About average.<br>6. Slightly above average.<br>7. Above average.<br>8. Much above average.<br>9. Very large amount. |
| <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                        |   |
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|   | 1. Check tasks you perform now (A).<br>2. On the back of the book, write in any unlisted tasks which you do now.<br>3. In the "Time Spent" column, rate all checked (A) tasks on time spent in present job. | Check                  | TIME SPENT<br>Present Job   |
|---|---|------------------------|---|
| AFSC 431X1<br><br>N. MAINTAINING FUEL SYSTEMS (Continued)               |   | ✓<br>IF<br>DONE<br>NOW | 1. Very small amount.<br>2. Much below average.<br>3. Below average.<br>4. Slightly below average.<br>5. About average.<br>6. Slightly above average.<br>7. Above average.<br>8. Much above average.<br>9. Very large amount. |
| 27. Pick up or return external fuel tanks from or to storage areas      |   |                        | ○○○○○○○○○○○○  |
| 28. Prepare aircraft for fuel cell maintenance                          |   |                        | ○○○○○○○○○○○○  |
| 29. Preserve or depreserve fuel systems                                 |   |                        | ○○○○○○○○○○○○  |
| 30. Remove or install Benson auxiliary fuel tanks                       |   |                        | ○○○○○○○○○○○○  |
| 31. Remove or install external fuel tanks                               |   |                        | ○○○○○○○○○○○○  |
| 32. Remove or install Benson fuselage tanks                             |   |                        | ○○○○○○○○○○○○  |
| 33. Remove or replace bladder-type fuel drain valves                    |   |                        | ○○○○○○○○○○○○  |
| 34. Remove or replace distilled water lines, valves, or filters         |   |                        | ○○○○○○○○○○○○  |
| 35. Remove or replace distilled water pumps                             |   |                        | ○○○○○○○○○○○○  |
| 36. Remove or replace fuel booster pumps                                |   |                        | ○○○○○○○○○○○○  |
| 37. Remove or replace fuel cell fire suppression material, such as foam |   |                        | ○○○○○○○○○○○○  |
| 38. Remove or replace fuel drain valves                                 |   |                        | ○○○○○○○○○○○○  |
| 39. Remove or replace fuel filters                                      |   |                        | ○○○○○○○○○○○○  |
| 40. Remove or replace refueling booms                                   |   |                        | ○○○○○○○○○○○○  |
| 41. Remove or replace single-point fuel receptacles                     |   |                        | ○○○○○○○○○○○○  |
| 42. Remove or replace stand pipes or seals on external fuel tanks       |   |                        | ○○○○○○○○○○○○  |
| 43. Service aircraft distilled water systems                            |   |                        | ○○○○○○○○○○○○  |
| 44. Transfer fuel within aircraft                                       |   |                        | ○○○○○○○○○○○○  |
| 45. Troubleshoot fuel crossfeed systems                                 |   |                        | ○○○○○○○○○○○○  |
| 46. Troubleshoot tank feed systems                                      |   |                        | ○○○○○○○○○○○○  |
| 47. Troubleshoot tank pressure systems                                  |   |                        | ○○○○○○○○○○○○  |
| 48. Troubleshoot transfer pumps   |   |                        | ○○○○○○○○○○○○  |
| 49. Visually inspect fuel vent outlets                                  |   |                        | ○○○○○○○○○○○○  |
| 50. Visually inspect single-point receptacles                           |   |                        | ○○○○○○○○○○○○  |



| <input type="checkbox"/><br><input type="checkbox"/><br><input type="checkbox"/><br><input type="checkbox"/><br><input type="checkbox"/><br><input type="checkbox"/><br><input type="checkbox"/><br><input type="checkbox"/><br><input type="checkbox"/><br><input type="checkbox"/><br><input type="checkbox"/><br><input type="checkbox"/><br><input type="checkbox"/><br><input type="checkbox"/> | 1. Check tasks you perform now (✓).<br>2. On the back of the book, write in any unlisted tasks which you do now.<br>3. In the "Time Spent" column, rate all checked (✓) tasks on time spent in present job. |  | Check                  | TIME SPENT Present Job   |
|--|---|--|------------------------|--|
|  | AFSC 431X1  |  | ✓<br>IF<br>DONE<br>NOW | 1. Very small amount<br>2. Much below average<br>3. Below average<br>4. Slightly below average<br>5. About average<br>6. Slightly above average<br>7. Above average<br>8. Much above average<br>9. Very large amount |
| N. MAINTAINING FUEL SYSTEMS (CONTINUED)  |   |  |                        |  |
|  | 51. Visually inspect surge tanks or vent boxes  |  |                        | 1000000000   |
| NOTE: If any task you perform under this duty is not listed, write it on page 47 or 48.  |   |  |                        | 1000000000   |
|  |   |  |                        | 1000000000   |
|  |   |  |                        | 1000000000   |
| O. MAINTAINING NONPOWERED AEROSPACE GROUND EQUIPMENT (AGE)   |   |  |                        | 1000000000   |
|  |   |  |                        | 1000000000   |
|  |   |  |                        | 1000000000   |
|  | 1. Conduct corrosion inspections of nonpowered AGE  |  |                        | 1000000000   |
|  | 2. Deliver hydraulic servicing carts to hydraulic shop for calibration  |  |                        | 1000000000   |
|  | 3. Deliver nonpowered AGE to field maintenance for maintenance or testing   |  |                        | 1000000000   |
|  | 4. Deliver tow bars to nondestructive inspection (NDI) shop for periodic inspections  |  |                        | 1000000000   |
|  | 5. Inspect ground engine run-up screens   |  |                        | 1000000000   |
|  | 6. Lubricate nonpowered AGE   |  |                        | 1000000000   |
|  | 7. Locate leaks or malfunctions of nonpowered AGE   |  |                        | 1000000000   |
|  | 8. Maintain facility mounted hoists   |  |                        | 1000000000   |
|  | 9. Maintain portable hoists   |  |                        | 1000000000   |
|  | 10. Maintain or store warning signs such as "danger aircraft on jacks"  |  |                        | 1000000000   |
|  | 11. Maintain waste oil or contaminated fuel bowsers   |  |                        | 1000000000   |
|  | 12. Operationally check gaseous oxygen carts  |  |                        | 1000000000   |
|  | 13. Operationally check hydraulic servicing carts   |  |                        | 1000000000   |
|  | 14. Operationally check LOX carts   |  |                        | 1000000000   |
|  | 15. Operationally check nitrogen carts  |  |                        | 1000000000   |
|  | 16. Operationally check oil servicing carts   |  |                        | 1000000000   |
|  | 17. Overhaul aircraft jacks   |  |                        | 1000000000   |

| <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | 1. Check tasks you perform now (✓).<br>2. On the back of the book, write in any unlisted tasks which you do now.<br>3. In the "Time Spent" column, rate all checked (✓) tasks by time spent in present job. | Check | TIME SPENT Present Job   |
|--|---|-------|--------------------------|
|  | AFSC 431X1  |       | ✓<br>IF<br>DONE<br>NOW   |
|  | 0. MAINTAINING NONPOWERED AEROSPACE GROUND EQUIPMENT (AGE) (CONTINUED)  |       |                          |
|  | 18. Overhaul hydraulic servicing carts  |       | <input type="checkbox"/> |
|  | 19. Overhaul maintenance stands   |       | <input type="checkbox"/> |
|  | 20. Overhaul towing equipment other than vehicles   |       | <input type="checkbox"/> |
|  | 21. Paint nonpowered AGE  |       | <input type="checkbox"/> |
|  | 22. Perform minor maintenance on aircraft engine intake screens such as replacing rivets or straightening parts   |       | <input type="checkbox"/> |
|  | 23. Perform minor maintenance on nonpowered LOX carts such as tightening screws or bolts  |       | <input type="checkbox"/> |
|  | 24. Perform periodic inspections of nonpowered AGE  |       | <input type="checkbox"/> |
|  | 25. Place in or remove from storage ground engine run-up screens  |       | <input type="checkbox"/> |
|  | 26. Post or remove aircraft warning signs such as "danger aircraft on jacks"  |       | <input type="checkbox"/> |
|  | 27. Remove or replace nonpowered AGE gauges or hardware   |       | <input type="checkbox"/> |
|  | 28. Service gaseous oxygen carts  |       | <input type="checkbox"/> |
|  | 29. Service hydraulic servicing carts   |       | <input type="checkbox"/> |
|  | 30. Service jacks   |       | <input type="checkbox"/> |
|  | 31. Service LOX carts   |       | <input type="checkbox"/> |
|  | 32. Service maintenance stands  |       | <input type="checkbox"/> |
|  | 33. Service nitrogen carts  |       | <input type="checkbox"/> |
|  | 34. Service oil servicing carts   |       | <input type="checkbox"/> |
|  | 35. Store powered aircraft support equipment  |       | <input type="checkbox"/> |
|  | 36. Tow nonpowered AGE  |       | <input type="checkbox"/> |
|  | NOTE: If any task you perform under this duty is not listed, write it on page 47 or 48.   |       | <input type="checkbox"/> |
|  |   |       | <input type="checkbox"/> |
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|--|---|-------|---|
|  | AFSC 431X1  |       | ✓<br>IF<br>DONE<br>NOW  |
| P. MAINTAINING 780 EQUIPMENT   |   |       |   |
| <input type="checkbox"/>   | 1. Apply corrosion control compounds such as paints   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| <input type="checkbox"/>   | 2. Assign classification to stored 780 equipment  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| <input type="checkbox"/>   | 3. Coordinate with base activities on missing 780 equipment   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| <input type="checkbox"/>   | 4. Coordinate with base packing and shipping on methods of packing 780 equipment  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| <input type="checkbox"/>   | 5. Coordinate with shipper on transportation of 780 equipment   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| <input type="checkbox"/>   | 6. Coordinate with supply on initial issue of 780 equipment   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| <input type="checkbox"/>   | 7. Cover 780 equipment  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| <input type="checkbox"/>   | 8. Crate or uncrate 780 equipment   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| <input type="checkbox"/>   | 9. Draft correspondence or messages to locate missing 780 equipment   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| <input type="checkbox"/>   | 10. Ground external fuel tanks in storage   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| <input type="checkbox"/>   | 11. Inspect cargo loading traverser systems   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| <input type="checkbox"/>   | 12. Inspect due dates on 780 equipment status tags  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| <input type="checkbox"/>   | 13. Inspect external stores   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| <input type="checkbox"/>   | 14. Inspect 780 equipment for serviceability  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| <input type="checkbox"/>   | 15. Inventory 780 equipment   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| <input type="checkbox"/>   | 16. Lubricate 780 equipment   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| <input type="checkbox"/>   | 17. Operate cargo loading traverser systems   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| <input type="checkbox"/>   | 18. Operationally check cargo-loading traverser systems   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| <input type="checkbox"/>   | 19. Perform minor maintenance of 780 equipment such as tighten bolts  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| <input type="checkbox"/>   | 20. Pick up or deliver 780 equipment  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| <input type="checkbox"/>   | 21. Remove corrosion from 780 equipment   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| <input type="checkbox"/>   | 22. Remove or install cargo-loading traverser systems   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| <input type="checkbox"/>   | 23. Research inventory master guides  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| <input type="checkbox"/>   | 24. Review or annotate government bills of lading (GBL)   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |



| <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | 1. Check tasks you perform now (✓).<br>2. On the back of the book, write in any omitted tasks which you do now.<br>3. In the "Time Spent" column, rate all checked (✓) tasks by time spent in present job. | Check         | TIME SPENT Present Job   |
|--|--|---------------|--|
|  | AFSC 431X1   | ✓ IF DONE NOW | 1. Very small amount.<br>2. Much below average.<br>3. Below average.<br>4. Slightly below average.<br>5. About average.<br>6. Slightly above average.<br>7. Above average.<br>8. Much above average.<br>9. Very large amount.  |
|  | P. MAINTAINING 780 EQUIPMENT (CONTINUED)   |               |  |
|  | 25. Select packing materials or methods for 780 equipment  |               | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 26. Trace missing 780 equipment by voice communications  |               | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | NOTE: If any task you perform under this duty is not listed, write it on page 47 or 48.  |               | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  |  |               | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  |  |               | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | Q. PERFORMING GENERAL ENGINE MAINTENANCE   |               | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  |  |               | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  |  |               | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 1. Adjust engine fuel controls   |               | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 2. Adjust engine oil pressure  |               | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 3. Adjust variramp air induction systems   |               | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 4. Clean cartridge-type starters   |               | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 5. Clean engine air intake ducts   |               | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 6. Clean engine oil filters  |               | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 7. Inspect afterburner (AB) eyelids  |               | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 8. Inspect afterburner areas   |               | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 9. Inspect air inlet areas   |               | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 10. Inspect belmouth air induction system components   |               | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 11. Inspect bleed valves   |               | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 12. Inspect bleed valve actuators  |               | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 13. Inspect bleed valve governors  |               | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 14. Inspect blow-in, sucker, or flipper doors  |               | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 15. Inspect cartridge-type starters  |               | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 16. Inspect engine accessories, such as fuel pumps, hydraulic pumps, or constant speed drives (CSD)  |               | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |

| <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | 1. Check tasks you perform now (✓).<br>2. On the back of the book, write in any unlisted tasks which you do now.<br>3. In the "Time Spent" column, rate all checked (✓) tasks on time spent in present job. | Check                  | TIME SPENT<br>Present Job   |
|--|---|------------------------|---|
|  | AFSC 431X1  | ✓<br>IF<br>DONE<br>NOW | 1. Very small amount.<br>2. Much below average.<br>3. Below average.<br>4. Slightly below average.<br>5. About average.<br>6. Slightly above average.<br>7. Above average.<br>8. Much above average.<br>9. Very large amount. |
| Q. PERFORMING GENERAL ENGINE MAINTENANCE<br>(CONTINUED)  |   |                        |   |
|  | 17. Inspect engine air lines or fittings  |                        | ○○○○○○○○○○  |
|  | 18. Inspect engine compressor blades  |                        | ○○○○○○○○○○  |
|  | 19. Inspect engine firewalls  |                        | ○○○○○○○○○○  |
|  | 20. Inspect engine fuel controls  |                        | ○○○○○○○○○○  |
|  | 21. Inspect engine fuel filters   |                        | ○○○○○○○○○○  |
|  | 22. Inspect engine indicators or instruments  |                        | ○○○○○○○○○○  |
|  | 23. Inspect engine oil coolers  |                        | ○○○○○○○○○○  |
|  | 24. Inspect engine oil cooler inlets  |                        | ○○○○○○○○○○  |
|  | 25. Inspect engine oil filters  |                        | ○○○○○○○○○○  |
|  | 26. Inspect engine oil lines or fittings  |                        | ○○○○○○○○○○  |
|  | 27. Inspect engine quick-disconnect lines   |                        | ○○○○○○○○○○  |
|  | 28. Inspect engine throttle system components   |                        | ○○○○○○○○○○  |
|  | 29. Inspect engine turbine stator blades  |                        | ○○○○○○○○○○  |
|  | 30. Inspect engine vortex systems   |                        | ○○○○○○○○○○  |
|  | 31. Inspect or clean cartridge-type starter breech caps   |                        | ○○○○○○○○○○  |
|  | 32. Inspect pneumatic starters  |                        | ○○○○○○○○○○  |
|  | 33. Inspect pneumatic water injection pumps or brackets   |                        | ○○○○○○○○○○  |
|  | 34. Inspect pressurization or dump valve screens  |                        | ○○○○○○○○○○  |
|  | 35. Inspect propellers  |                        | ○○○○○○○○○○  |
|  | 36. Inspect spike air induction systems   |                        | ○○○○○○○○○○  |
|  | 37. Inspect thrust reverser systems   |                        | ○○○○○○○○○○  |
|  | 38. Inspect translating cowl induction systems  |                        | ○○○○○○○○○○  |
|  | 39. Inspect variramp air induction systems  |                        | ○○○○○○○○○○  |
|  | 40. Inspect visible engine mounts or attach points  |                        | ○○○○○○○○○○  |



| <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | 1. Check tasks you perform now (✓).<br>2. On the back of the book, write in any unlisted tasks which you do now.<br>3. In the "Time Spent" column, rate all checked (✓) tasks on time spent in present job. | Check | TIME SPENT<br>Present Job   |
|--|---|-------|---|
|  | AFSC 431X1<br>Q. PERFORMING GENERAL ENGINE MAINTENANCE<br>(CONTINUED)   |       | ✓<br>IF<br>DONE<br>NOW  |
|  | 65. Remove or replace igniter plugs   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 66. Remove or replace propellers  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 67. Remove or replace spike air induction system components   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 68. Remove or replace throttle system components  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 69. Remove or replace thrust augmentation system components   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 70. Remove or replace thrust reverser system components   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 71. Remove or replace translating cowl induction system components  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 72. Remove or replace variramp air induction systems  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 73. Remove or replace water regulators  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 74. Rig belmouth air induction system components  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 75. Rig engine throttle systems   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 76. Rig spike air induction system components   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 77. Rig translating cowl induction systems  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 78. Rig variramp air induction system components  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 79. Service pneumatic starters with oil   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 80. Troubleshoot belmouth air induction system components   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 81. Troubleshoot engine throttle systems  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 82. Troubleshoot variramp air induction system components   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | NOTE: If any task you perform under this duty is not listed, write it on page 47 or 48.   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  |   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
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|  |   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  |   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  |   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |



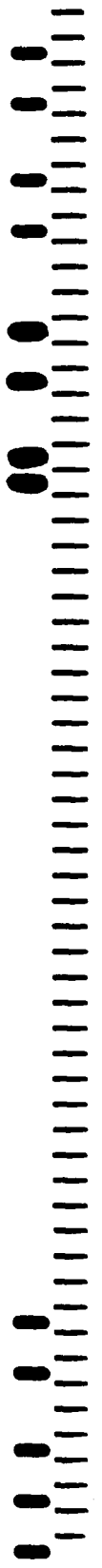
| <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |  | 1. Check tasks you perform now (✓).<br>2. On the back of the book, write in any unlisted tasks which you do now.<br>3. In the "Time Spent" column, rate all checked (✓) tasks on time spent in present job. | Check                  | TIME SPENT Present Job  |
|---|--|---|------------------------|---|
| AFSC 431X1<br><b>R. MAINTAINING RECIPROCATING ENGINES (CONTINUED)</b>   |  |   | ✓<br>IF<br>DONE<br>NOW | 1. Very small amount.<br>2. Much below average.<br>3. Below average.<br>4. Slightly below average.<br>5. About average.<br>6. Slightly above average.<br>7. Above average.<br>8. Much above average.<br>9. Very large amount. |
| 25. Troubleshoot reciprocating engine ignition systems  |  |   |                        | ○○○○○○○○○○  |
| 26. Troubleshoot reciprocating engine oil pressure systems  |  |   |                        | ○○○○○○○○○○  |
| NOTE: If any task you perform under this duty is not listed, write it on page 47 or 48.   |  |   |                        | ○○○○○○○○○○  |
|   |  |   |                        | ○○○○○○○○○○  |
|   |  |   |                        | ○○○○○○○○○○  |
| <b>S. MAINTAINING TURBO-PROPELLER ENGINES</b>   |  |   |                        | ○○○○○○○○○○  |
|   |  |   |                        | ○○○○○○○○○○  |
|   |  |   |                        | ○○○○○○○○○○  |
| 1. Adjust temperature datum (TD) valves   |  |   |                        | ○○○○○○○○○○  |
| 2. Adjust TD amplifiers   |  |   |                        | ○○○○○○○○○○  |
| 3. Adjust turbo-prop engine gear box oil pressure   |  |   |                        | ○○○○○○○○○○  |
| 4. Inspect turbo-prop rear scavenge oil pumps   |  |   |                        | ○○○○○○○○○○  |
| 5. Monitor or operate turbo-prop engines  |  |   |                        | ○○○○○○○○○○  |
| 6. Perform turbo-prop engine dry trim   |  |   |                        | ○○○○○○○○○○  |
| 7. Perform turbo-prop engine wet trim   |  |   |                        | ○○○○○○○○○○  |
| 8. Remove or replace turbo-prop engines   |  |   |                        | ○○○○○○○○○○  |
| 9. Rig turbo-prop engine fuel coordinators  |  |   |                        | ○○○○○○○○○○  |
| 10. Rig turbo-prop propellers   |  |   |                        | ○○○○○○○○○○  |
| 11. Service turbo-prop propellers   |  |   |                        | ○○○○○○○○○○  |
| NOTE: If any task you perform under this duty is not listed, write it on page 47 or 48.   |  |   |                        | ○○○○○○○○○○  |
|   |  |   |                        | ○○○○○○○○○○  |
|   |  |   |                        | ○○○○○○○○○○  |
|   |  |   |                        | ○○○○○○○○○○  |
|   |  |   |                        | ○○○○○○○○○○  |

| <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | 1. Check tasks you perform now (✓).<br>2. On the back of the book, write in any unlisted tasks which you do now.<br>3. In the "Time Spent" column, rate all checked (✓) tasks by time spent in present job. | Check | TIME SPENT Present Job |
|---|---|-------|------------------------|
|   | AFSC 431X1<br><br><b>T. MAINTAINING TURBO-JET ENGINES</b>   |       |                        |
| 1.  | Install or remove fan stoppers  |       | ○○○○○○○○○○             |
| 2.  | Monitor or operate turbo-jet engines  |       | ○○○○○○○○○○             |
| 3.  | Operationally check turbo-jet starter centrifugal switches  |       | ○○○○○○○○○○             |
| 4.  | Perform turbo-jet FOD inspections   |       | ○○○○○○○○○○             |
| 5.  | Perform turbo-jet engine dry trim   |       | ○○○○○○○○○○             |
| 6.  | Perform turbo-jet engine wet trim   |       | ○○○○○○○○○○             |
| 7.  | Remove or replace turbo-jet engines   |       | ○○○○○○○○○○             |
| NOTE: If any task you perform under this duty is not listed, write it on page 47 or 48.   |   |       | ○○○○○○○○○○             |
|   |   |       | ○○○○○○○○○○             |
|   |   |       | ○○○○○○○○○○             |
| <b>U. MAINTAINING TOW TARGETS</b>   |   |       | ○○○○○○○○○○             |
|   |   |       | ○○○○○○○○○○             |
|   |   |       | ○○○○○○○○○○             |
| 1.  | Annotate aircraft placards  |       | ○○○○○○○○○○             |
| 2.  | Assemble tow targets  |       | ○○○○○○○○○○             |
| 3.  | Attach targets to tow cables  |       | ○○○○○○○○○○             |
| 4.  | Clean tow reel cable cutters  |       | ○○○○○○○○○○             |
| 5.  | Control cable cutter cartridges   |       | ○○○○○○○○○○             |
| 6.  | Cut tow cables  |       | ○○○○○○○○○○             |
| 7.  | Inspect rewind stands   |       | ○○○○○○○○○○             |
| 8.  | Inspect tow reels   |       | ○○○○○○○○○○             |
| 9.  | Inspect tow target bridle components  |       | ○○○○○○○○○○             |
| 10.   | Inspect tow target bridle cables  |       | ○○○○○○○○○○             |
| 11.   | Inspect tow target bridles  |       | ○○○○○○○○○○             |

| <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | 1. Check tasks you perform now (✓).<br>2. On the back of the book, write in any unlisted tasks which you do now.<br>3. In the "Time Spent" column, rate all checked (✓) tasks on time spent in present job. | Check | TIME SPENT Present Job  |
|--|---|-------|---|
|  | AFSC 431X1  |       | ✓<br>IF<br>DONE<br>NOW  |
|  | U. MAINTAINING TOW TARGETS (CONTINUED)  |       |   |
|  | 12. Inspect tow target cable reels  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 13. Inspect tow target wings  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 14. Inspect uploaded tow targets  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 15. Install or remove cable cutter cartridges   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 16. Isolate malfunctions within tow reel logic modules  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 17. Isolate malfunctions within tow reel units  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 18. Load or unload tow reels  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 19. Load or download tow targets  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 20. Load tow reel spool cables  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 21. Lubricate rewind stands   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 22. Measure tow target wings for warpage  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 23. Observe target impact areas from airborne aircraft  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 24. Operate rewind stands   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 25. Operate tow reels in flight   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 26. Operate tow target cable cutters in flight  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 27. Operationally check tow reels   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 28. Package cable cutter cartridges   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 29. Paint tow targets   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 30. Patch tow target wings  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 31. Perform aircrew preflight inspections of tow target systems   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 32. Perform balance checks of tow targets   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 33. Perform maintenance preflight inspections of tow target systems   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 34. Perform stray voltage checks on cable cutter mechanisms   |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
|  | 35. Record tow target scoring data  |       | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |



|   | <p>1. Check tasks you perform now (✓).<br/>           2. On the back of the book, write in any unlisted tasks which you do now.<br/>           3. In the "Time Spent" column, rate all checked (✓) tasks on time spent in present job.</p> | Check  | TIME SPENT Present Job   |
|---|--|--|--|
| <p style="text-align: center;">AFSC 431X1</p> <p style="text-align: center;">U. MAINTAINING TOW TARGETS (CONTINUED)</p> |  | <p style="text-align: center;">✓<br/>IF<br/>DONE<br/>NOW</p> | <p>1. Very small amount.<br/>           2. Much below average.<br/>           3. Below average.<br/>           4. Slightly below average.<br/>           5. About average.<br/>           6. Slightly above average.<br/>           7. Above average.<br/>           8. Much above average.<br/>           9. Very large amount.</p> |
| 36. Remove or replace rewind stand components   |  |  | ○○○○○○○○○○   |
| 37. Remove or replace tow reel components   |  |  | ○○○○○○○○○○   |
| 38. Rewind cable onto tow spools  |  |  | ○○○○○○○○○○   |
| 39. Secure cables to spools   |  |  | ○○○○○○○○○○   |
| 40. Set up or operate electrical test sets (A/E 37T-18)   |  |  | ○○○○○○○○○○   |
| 41. Splice tow cables   |  |  | ○○○○○○○○○○   |
| 42. Store cable cutter cartridges   |  |  | ○○○○○○○○○○   |
| 43. Store or inventory tow targets  |  |  | ○○○○○○○○○○   |
| 44. Swage swaging sleeves   |  |  | ○○○○○○○○○○   |
| 45. Test target bridle hook locks   |  |  | ○○○○○○○○○○   |
| 46. Test tow reel electrical systems  |  |  | ○○○○○○○○○○   |
| 47. Tighten sway braces   |  |  | ○○○○○○○○○○   |
| 48. Transport cable cutter cartridges   |  |  | ○○○○○○○○○○   |
| 49. Troubleshoot aircraft-installed tow reels   |  |  | ○○○○○○○○○○   |
| 50. Troubleshoot rewind stands  |  |  | ○○○○○○○○○○   |
| 51. Unpack tow target assemblies  |  |  | ○○○○○○○○○○   |
| NOTE: If any task you perform under this duty is not listed, write it on page 47 or 48.                                 |  |  | ○○○○○○○○○○   |
|   |  |  | ○○○○○○○○○○   |
|   |  |  | ○○○○○○○○○○   |
| V. MAINTAINING AERIAL DELIVERY SYSTEMS  |  |  | ○○○○○○○○○○   |
|   |  |  | ○○○○○○○○○○   |
|   |  |  | ○○○○○○○○○○   |
| 1. Adjust overhead delivery system (ODS) or components  |  |  | ○○○○○○○○○○   |
| 2. Adjust 463L aerial delivery system or components   |  |  | ○○○○○○○○○○   |



| <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | 1. Check tasks you perform now (✓).<br>2. On the back of the book, write in any unlisted tasks which you do now.<br>3. In the "Time Spent" column, rate all checked (✓) tasks on time spent in present job. | Check<br><br>✓<br>IF<br>DONE<br>NOW | <b>TIME SPENT<br/>Present Job</b><br><br>1. Very small amount.<br>2. Much below average.<br>3. Below average.<br>4. Slightly below average.<br>5. About average.<br>6. Slightly above average.<br>7. Above average.<br>8. Much above average.<br>9. Very large amount. |
|--|---|-------------------------------------|--|
| AFSC 431X1<br><br><b>V. MAINTAINING AERIAL DELIVERY SYSTEMS<br/>(CONTINUED)</b>  |   |                                     |  |
|  | 3. Inspect aerial delivery bomb racks or components   |                                     | ○○○○○○○○○○   |
|  | 4. Inspect ODS  |                                     | ○○○○○○○○○○   |
|  | 5. Inspect 463L aerial delivery equipment   |                                     | ○○○○○○○○○○   |
|  | 6. Operationally check aerial delivery bomb racks   |                                     | ○○○○○○○○○○   |
|  | 7. Operationally check ODS  |                                     | ○○○○○○○○○○   |
|  | 8. Operationally check 463L aerial delivery equipment   |                                     | ○○○○○○○○○○   |
|  | 9. Perform operational checks of installed aerial delivery equipment other than 463L  |                                     | ○○○○○○○○○○   |
|  | 10. Perform operational checks of installed 463L aerial delivery equipment  |                                     | ○○○○○○○○○○   |
|  | 11. Remove or replace aerial delivery bomb racks or components  |                                     | ○○○○○○○○○○   |
|  | 12. Remove or replace aerial delivery systems other than 463L   |                                     | ○○○○○○○○○○   |
|  | 13. Remove or replace ODS components  |                                     | ○○○○○○○○○○   |
|  | 14. Remove or replace 463L aerial delivery system components  |                                     | ○○○○○○○○○○   |
|  | 15. Remove or replace 463L aerial delivery system minor hardware  |                                     | ○○○○○○○○○○   |
|  | 16. Remove or replace 463L aerial delivery systems  |                                     | ○○○○○○○○○○   |
|  | 17. Troubleshoot aerial delivery bomb racks   |                                     | ○○○○○○○○○○   |
|  | 18. Troubleshoot installed aerial delivery systems other than 463L  |                                     | ○○○○○○○○○○   |
|  | 19. Troubleshoot installed 463L aerial delivery equipment   |                                     | ○○○○○○○○○○   |
|  | NOTE: If any task you perform under this duty is not listed, write it on page 47 or 48.   |                                     | ○○○○○○○○○○   |
|  |   |                                     | ○○○○○○○○○○   |
|  |   |                                     | ○○○○○○○○○○   |
|  | <b>W. MAINTAINING INFLIGHT REFUELING (IFR)<br/>SYSTEMS</b>  |                                     | ○○○○○○○○○○   |
|  |   |                                     | ○○○○○○○○○○   |
|  |   |                                     | ○○○○○○○○○○   |
|  | 1. Inspect inflight refueling booms   |                                     | ○○○○○○○○○○   |

| <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | <p>1. Check tasks you perform now (✓).<br/> 2. On the back of the book, write in any unlisted tasks which you do now.<br/> 3. In the "Time Spent" column, rate all checked (✓) tasks by time spent in present job.</p> | Check  | TIME SPENT Present Job   |
|--|--|--|--|
| <p style="text-align: center;">AFSC 431X1</p> <p style="text-align: center;">W. MAINTAINING INFLIGHT REFUELING (IFR) SYSTEMS (CONTINUED)</p>   |  | <input checked="" type="checkbox"/><br>IF<br>DONE<br>NOW | <p>1. Very small amount.<br/> 2. Much below average.<br/> 3. Below average.<br/> 4. Slightly below average.<br/> 5. About average.<br/> 6. Slightly above average.<br/> 7. Above average.<br/> 8. Much above average.<br/> 9. Vary large amount.</p> |
|  | 2. Inspect inflight refueling doors  |  | ○○○○○○○○○○   |
|  | 3. Inspect inflight refueling pod assemblies   |  | ○○○○○○○○○○   |
|  | 4. Inspect inflight refueling pod hose assemblies  |  | ○○○○○○○○○○   |
|  | 5. Operationally check inflight refueling boom sighting windows  |  | ○○○○○○○○○○   |
|  | 6. Operationally check inflight refueling door lights  |  | ○○○○○○○○○○   |
|  | 7. Remove or replace inflight refueling boom drogues   |  | ○○○○○○○○○○   |
|  | 8. Remove or replace inflight refueling boom drogue components   |  | ○○○○○○○○○○   |
|  | 9. Remove or replace inflight refueling door light bulbs   |  | ○○○○○○○○○○   |
|  | 10. Remove or replace inflight refueling hoses   |  | ○○○○○○○○○○   |
|  | 11. Remove or replace inflight refueling pods  |  | ○○○○○○○○○○   |
|  | 12. Rig inflight refueling doors   |  | ○○○○○○○○○○   |
|  | 13. Service inflight refueling pod accumulators  |  | ○○○○○○○○○○   |
|  | 14. Troubleshoot inflight refueling pod systems  |  | ○○○○○○○○○○   |
|  | 15. Visually inspect inflight refueling boom drogues   |  | ○○○○○○○○○○   |
|  | NOTE: If any task you perform under this duty is not listed, write it on page 47 or 48.  |  | ○○○○○○○○○○   |
|  | → RETURN TO PAGE xii AND FOLLOW PROCEDURE B.   |  | ○○○○○○○○○○   |
|  |  |  | ○○○○○○○○○○   |
|  |  |  | ○○○○○○○○○○   |
|  | 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 OFFICER.   |  | ○○○○○○○○○○   |
|  |  |  | ○○○○○○○○○○   |
|  |  |  | ○○○○○○○○○○   |
|  |  |  | ○○○○○○○○○○   |