

**UNITED STATES
AIR FORCE**

OCCUPATIONAL SURVEY REPORT



AIRCRAFT ELECTRICAL AND ENVIRONMENTAL SYSTEMS

AFSC 2A6X6

OSSN: 2545

OCTOBER 2003

**OCCUPATIONAL ANALYSIS PROGRAM
AIR FORCE OCCUPATIONAL MEASUREMENT SQUADRON
AIR EDUCATION and TRAINING COMMAND
1550 5th STREET EAST
RANDOLPH AFB, TEXAS 78150-4449**

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Report Documentation Page

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1. REPORT DATE 00 OCT 2003	2. REPORT TYPE N/A	3. DATES COVERED -	
4. TITLE AND SUBTITLE Aircraft Electrical And Environmental Systems AFSC 2A6X6 OSSN: 2545		5a. CONTRACT NUMBER	
		5b. GRANT NUMBER	
		5c. PROGRAM ELEMENT NUMBER	
6. AUTHOR(S)		5d. PROJECT NUMBER	
		5e. TASK NUMBER	
		5f. WORK UNIT NUMBER	
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) Air Force Occupational Measurement Squadron 1550 5th Street East Randolph Afb, Texas 78150-4449		8. PERFORMING ORGANIZATION REPORT NUMBER	
9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)		10. SPONSOR/MONITOR'S ACRONYM(S)	
		11. SPONSOR/MONITOR'S REPORT NUMBER(S)	
12. DISTRIBUTION/AVAILABILITY STATEMENT Approved for public release, distribution unlimited			
13. SUPPLEMENTARY NOTES See also ADM001567., The original document contains color images.			
14. ABSTRACT			
15. SUBJECT TERMS			
16. SECURITY CLASSIFICATION OF:			17. LIMITATION OF ABSTRACT
a. REPORT unclassified	b. ABSTRACT unclassified	c. THIS PAGE unclassified	UU
			18. NUMBER OF PAGES 76
			19a. NAME OF RESPONSIBLE PERSON

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PREFACE

This report presents the results of an Air Force Occupational Survey of the Aircraft Electrical and Environmental Systems career ladder (AFSC 2A6X6). Authority for conducting an occupational survey is contained in AFI 36-2623. Copies of this report and pertinent computer printouts are distributed to the Air Force Career Field Manager, technical training school, all major using commands, and other interested operations and training officials.

Mr. Scott Vap, Inventory Development Specialist, developed the survey instrument. Lt Bryan Pickett, Occupational Analyst, analyzed the data, and wrote the final report. Ms. Karen Tilghman provided computer programming support, and Ms. Raquel Soliz provided administrative support. Mr. Robert Boerstler, Chief, Leadership Development Section, reviewed and approved this report for release.

Additional copies of this report may be obtained by writing to AFOMS/OAOD, 1550 5th Street East, Randolph AFB TX 78150-4449, or by calling DSN 487-5543. For information on the Air Force occupational survey process or other on-going projects, visit our website at <https://www-r.omsq.af.mil/>. (Note: If you experience a Microsoft Word security problem after clicking on the above link, please copy the web address into the Address window in your web browser.)

JOHN W. GARDNER, Lt Col, USAF
Commander
Air Force Occupational Measurement Squadron

JOHN L. KAMMRATH
Chief, Occupational Analysis
Air Force Occupational Measurement Squadron

**OCCUPATIONAL SURVEY
AIRCRAFT ELECTRICAL AND ENVIRONMENTAL SYSTEMS
(AFSC 2A6X6)**

EXECUTIVE SUMMARY

- 1. Survey Coverage:** The Aircraft Electrical and Environmental Systems career ladder was surveyed to obtain current task and equipment data for use in evaluating current training programs. The data will also be used to support specialty knowledge test (SKT) development. Surveys were sent to 3,309 Active Duty (AD), 1,157 Air National Guard (ANG), and 890 Air Force Reserve Command (AFRC) personnel. Survey results were based on 1,818 members responding (1,086 AD, 403 ANG, and 329 AFRC).
- 2. Specialty Jobs:** Structure analysis identified one cluster and 6 independent jobs within the specialty. This career ladder is very homogeneous with a few members performing more specialized jobs.
- 3. Career Ladder Progression:** The Aircraft Electrical and Environmental Systems career ladder progression is typical of most career ladders. There was a distinction between 3- and 5-skill-level members, with the 5-skill-level members performing more supervisory work. The distinction between 5- and 7-skill-level members was more obvious, with the 7-skill-level members spending more than 14% of their time performing supervisory/management activities.
- 4. Training Analysis:** The Specialty Training Standard (STS) for the specialty, dated 1 October 2002, was reviewed in light of the survey data. The STS, for the most part, is adequately supported by the survey data. A complete review of the STS has been provided to the technical school for evaluation.
- 5. Job Satisfaction Analysis:** In general, job satisfaction among most 2A6X6 personnel was very good. However, members of the Oxygen Systems Independent Job had relatively low job satisfaction ratings. Reenlistment intentions were likewise relatively low for these members. Job satisfaction indicators for 2A6X6 members were higher than indicators for the comparative sample and comparable to indicators for the previous survey conducted in 2000.
- 6. Retention Dimensions:** Members in three total active federal military service (TAFMS) groups (1-48 months' TAFMS, 49-96 months' TAFMS, and 97+ months' TAFMS) agreed on several factors potentially influencing their decision to reenlist or separate. Top factors for reenlistment included job security, retirement benefits, and medical/dental care for AD member across all three TAFMS groups. Top factors for separation included military lifestyle, pay and allowances, and recognition of efforts across all three TAFMS groups. Civilian job opportunities and leadership at the unit level were major influences on separating for two out of three TAFMS groups.

INTRODUCTION

Air Force Occupational Measurement Squadron (AFOMS)

Occupational Analysis Program

Simply put, our mission is to provide occupational data for decisionmakers, allowing them to make informed personnel, training, and education decisions based not on opinion and conjecture, but on empirical, quantitative data.

Survey Development Process

An occupational survey begins with a job inventory (JI) -- a list of all the tasks performed by members of a given Air Force Specialty Code (AFSC) as part of their actual career field work (that is, additional duties and the like are not included). We include every function that career field members perform by working with technical training personnel and operational subject-matter experts (SMEs) to produce a task list that is complete and understandable to the typical job incumbent. The SMEs write each task to the same level of specificity across duty areas, and no task is duplicated in the task list.

In addition to this comprehensive task list, job inventories include a number of background questions that deal with demographic information, job satisfaction, equipment usage, and any other area that our customers, such as Career Field Managers (CFMs) and technical school personnel, may request.

Furthermore, the JI is only one of the surveys that AFOMS produces. The JI task list is used in creating several other surveys that are important for developing and refining career field training programs and for developing career field promotion tests; these surveys and how their results are used will be described shortly.

Survey Administration

The sample of members who receive the JI primarily depends on the size of the career ladder. We typically survey 100% of all eligible members in career ladders numbering 3,000 or fewer assigned members. For career ladders larger than 3,000 members, we select a random sample of half of the eligible members, and for very large career ladders, we may sample one-third of all the eligible members. Return rates (the percentage of completed, usable surveys we receive back from the field) generally run between 50% - 70% or greater. All this combines to produce very large and very representative samples in almost every study we conduct, compared to the samples obtained by private commercial surveying and marketing firms, and this in turn leads to highly accurate information about the work and demographics of the career field.

Responding to the JI can be somewhat time-consuming when the number of tasks is large, but it is a simple process. Respondents are asked to examine each task and select each task that they

perform in their present job. They are then asked to rate each task they chose on a scale of 1 to 9 (unchosen tasks are given a 0 rating), according to how much relative time they spend performing that task in their present job, compared to all the other tasks they chose in the inventory. These ratings are converted into estimates of actual relative job time spent performing each task.

Survey Analysis

Survey responses are processed using a set of computer programs called the Comprehensive Occupational Data Analysis Programs (CODAP). We are able to calculate some important basic information about each task from the information that respondents provide in the JI: the Percent Members Performing (PMP) and the Percent Time Spent (PTS). CODAP forms groups of survey respondents according to the similarity of their task performance, and our analysts study these groupings to identify distinct jobs. Further, we can provide PMP and PTS information for any subgroup. For example, we can easily determine the percent of E-5s or 3-skill-level or first-term airmen who perform each task, and estimate the average amount of job time they spend performing it. This is important because many of the applications of our data target particular subgroups within the career ladder.

Uses of Survey Data

Survey results are formally reported in an **Occupational Survey Report (OSR)** -- what you are currently reading -- but the OSR is by no means the only product of an occupational survey study. The OSR provides a high-level "snapshot" of an entire AFSC in a compact package, but it is not intended to provide the comprehensive information needed to support important decisions about a career field. That is the purpose of "data extracts," which are comprehensive, detailed sets of CODAP-generated reports designed for particular applications.

The Training Extract -- AFOMS survey data are essential to technical training personnel. The Training Extract provides information about what career ladder incumbents are actually doing in their jobs at each stage of their career, along with supporting information regarding when and how members should be trained to perform their jobs. The data found in the Training Extract regarding first-job, first-term, and 3-skill-level members are the *primary source of empirical information* available to support such decisions.

In addition to the JI, AFOMS produces two other surveys that directly support the training community. Depending on the size of the career ladder, a sample of at least 50 (and frequently 100 or more) 7-skill-level craftsmen is selected to complete a Training Emphasis (TE) survey. A similar-sized sample of other 7-skill-level craftsmen is selected to complete a Task Difficulty (TD) survey.

The TE survey, like the JI, contains the complete career ladder task list, and, like the JI, respondents are asked to rate tasks on a 1 to 9 scale (tasks not rated by the respondent are assigned a "0" rating). Unlike the JI, however, respondents are asked to rate tasks based on how much emphasis they believe should be placed on that task for entry-level structured training. A "1" rating indicates the respondent's belief that very little emphasis be placed on providing structured training on that task. A rating of "9" indicates that it is essential to provide structured training on the task.

Structured training is defined as resident technical schools, field training detachments, mobile training teams, formal on-the-job training (OJT), or any other organized training method. The responses of the entire sample of raters are averaged for each task, and the result is a TE rating for each task.

The TD survey also contains the full task list and requests that respondents rate each task *with which they are familiar* on a scale of 1 to 9 (“1” is low, “9” is high), but this time respondents are asked to rate the amount of time needed to learn to perform that task satisfactorily. In other words, as the name implies, TD is an indicator of how difficult the task is to learn to do. The average TD rating for each task in the inventory is standardized with a mean rating of 5.0 and a standard deviation of 1.0.

When used in conjunction with the PMP and PTS for first-enlistment members, average TE and TD ratings provide insight into the appropriate training requirements for new personnel in the career ladder. These four indices (PMP, PTS, TE, and TD) are used to compute a composite index, the Automated Training Indicator (ATI), for each task. The ATI expresses in a single number between 1 and 18 the likely most appropriate training setting and approach for providing training for that task. ATIs allow training developers to quickly focus attention on those tasks that are most likely to qualify for resident course consideration. Further information concerning TE and TD ratings and ATIs for the entire task list can be found in the Training Extract that accompanies this OSR.

The major users of Training Extract information are attendees at Utilization and Training Workshops (U&TWs). The U&TW is a summit of representative career ladder, training, and classification leaders who evaluate current training efficiency and effectiveness in order to propose and approve changes to the Specialty Training Standard (STS) or Course Training Standard (CTS), particularly with regard to 3-skill-level training, and to address utilization issues. The AFSC’s job description in Attachment 6 of AFMAN 36-2108, *Enlisted Classification*, is also reviewed and appropriately revised in light of the survey data to reflect the jobs being performed by the career ladder members.

Part of the process of compiling the Training Extract involves the *STS matching* process, during which technical school personnel match JI tasks to STS elements; that is, they tell us what particular task or tasks correspond to each STS element when it is covered in training. This is especially useful when STS performance codes are being reviewed for the 3-skill-level course. For example, the U&TW attendees might be asked to consider adding a task performance code to an STS element that previously has been trained only to a knowledge level. JI, TE, and TD data, combined in the form of the ATI, are important in determining the appropriate proficiency code. Separate Training Extracts are produced for Active Duty (AD), Air National Guard (ANG), and Air Force Reserve Component (AFRC) members.

The Specialty Knowledge Test (SKT) Extract -- AFOMS survey data are key to ensuring that SKTs are valid. SKTs are an important part of the Weighted Airman Promotion System (WAPS). Because an airman's test score is frequently the deciding factor in determining who is promoted, SKTs must be valid, fair, and credible.

In terms of SKTs, *valid* means that every question on the test is tied to a task which has been shown to be important to successful performance in the specialty. This tie is crucial to documenting the validity of SKT content.

AFOMS surveys provide test writers with information on the PMP, PTS, TD, and TE. This information is combined to produce a composite index called the Predicted Testing Importance (PTI). Those tasks that are rated highest in PTI are ones that tend to be high in all four of our primary indices -- PMP, PTS, TD, and TE -- exactly the kinds of tasks that one would generally consider job-essential and that should form the basis for test questions. PTI information is used for minor test revisions; how it is used will be explained shortly.

Field-validated testing importance (FVTI) data are produced for major test revisions. Approximately 6 months before the start of test development, a sample of 100 senior career field NCOs is sent a survey containing a list of the 150-200 tasks rated highest in PTI. Respondents are asked to provide a 1-7 rating ("1" is low, "7" is high) of how important they believe it is to include a question concerning that task on the SKT. The responses are averaged for each task, yielding the FVTI index -- a direct measure of the opinions of career field experts as to what constitutes "job-essential" knowledge.

PTI and FVTI information is included in the SKT Extract, which is specifically tailored for use by the SKT teams who come to AFOMS to write the promotion examinations. Two sets of reports are prepared -- one set uses only data for E-5s and the other uses combined data for E-6s and E-7s. Each report gives the SKT team information on every task's PMP, PTS, and PTI, and, for major test revisions, FVTI data. Occupational survey data are thus the only objective source of information available to the team regarding how to make the test they write meet legal requirements for validity and fairness.

The Analysis Extract -- The Analysis Extract is an archive of all the data collected in the course of a study that are not incorporated into one of the other extracts. We typically produce separate Analysis Extracts for AD and ANG/AFRC members. The Analysis Extract is usually an enormous document, a compilation of the many reports that "slice and dice" the data in virtually every potentially useful way. Just about any question anyone has regarding career ladder work, personnel, or training and utilization issues can be answered by consulting one or another of the reports in the Analysis Extract.

The Occupational Survey Report -- This document, the OSR, captures survey data and analysis both in breadth and depth. For ease of reading, the first half of the OSR concentrates on breadth with compelling factors and implications across the specialty. Tables following the narrative show depth with regard to these factors and implications. Where appropriate, highlights of the tables are contained in the body.

**OCCUPATIONAL SURVEY REPORT (OSR)
AIRCRAFT ELECTRICAL AND ENVIRONMENTAL SYSTEMS
(AFSC 2A6X6)**

This is a report of an occupational survey of the Aircraft Electrical and Environmental Systems career ladder, conducted by the Occupational Analysis Flight, AFOMS. The OSR reports the findings of current data that are available for use in guiding the development and evaluation of training and support planned changes within this career ladder. In addition, the data are used to support SKT development. The previous OSR was completed in August 2000.

Career Ladder Background

According to the Specialty Description in AFMAN 36-2108, *Enlisted Classification*, dated 31 October 2003, personnel in this career ladder perform and supervise aircraft electrical and environmental (E & E) functions and activities; and troubleshoot, inspect, remove, install, repair, modify, overhaul, and operate aircraft E & E systems, components, and associated support equipment.

The initial technical training school for this AFSC is located at Sheppard AFB TX. The J3ABR2A636 009 – *Aircraft Electrical and Environmental Systems Apprentice course* is 93 days' long. The course provides training in the knowledge and skills needed to perform maintenance on aircraft electrical and environmental systems. The course includes training on: aircraft familiarization, maintenance and inspection systems, corrosion control, DC principles, AC electronics, and maintenance basics. It also includes lessons on the AF technical order system, flightline safety, aircraft forms, maintenance data collection, troubleshooting techniques, and wiring schematics/diagrams. The course includes instruction on power generation, landing gear and warning systems, lighting, flight controls and cargo door systems, environmental systems, and utility/oxygen systems.

Entry into AFSC 2A6X6 requires an Armed Forces Vocational Aptitude Battery (ASVAB) "Mechanical" score of 39, an ASVAB "Electrical" score of 60, and a Strength requirement of "K" (weight lift of 70 lb). Additional requirements for entry into this specialty include normal color vision as defined in AFI 48-123, *Medical Examination and Standards*, and the ability to speak distinctly. Finally, this AFSC is not open to non-United States citizens but is open to U.S. nationals.

SURVEY METHODOLOGY

Inventory Development

The data collection instrument for this occupational survey was USAF Job Inventory (JI) Occupational Survey Study Number (OSSN) 2545, dated March 2003. During the development of the comprehensive task list, 48 subject-matter experts from eight operational bases and one training unit were interviewed. The survey requested such standard background information as base of assignment; command of assignment; TAFMS, time in career field (TICF), and time in present job (TIPJ); job title; work or functional area; paygrade; job satisfaction and reenlistment intentions; and

systems, tools, and equipment used or operated. Additional background items concerned aircraft supported and forms used. The inventory listed 1,032 tasks grouped under 26 duty headings and a background section. (The complete survey is available on the CD containing the products from this study.)

<u>BASE</u>	<u>REASON FOR VISIT</u>
Sheppard AFB TX	Technical training location
Barksdale AFB LA	B-52 and A-10 representation
Kirtland AFB NM	Aircraft for special operations, training, and humanitarian missions
Gowen Field ANGB ID	Combat-ready A-10 and C-130 representation
Mountain Home AFB ID	KC-135R, F-15C, F-15E, and F-16C representation
Travis AFB CA	C-5 and KC-10 representation
McChord AFB WA	C-17 and C-141 representation; training of mission-ready reservists for United States and NATO
Dyess AFB TX (e-mail)	B-1B and C-130 representation
Ellsworth AFB SD (e-mail)	B-1B representation

2A6X6 Survey Administration

From March to July 2003, the survey control monitor at the technical training school and operational bases administered the inventory to all eligible DAFSC 2A636, 2A656, and 2A676 AD, ANG, and AFRC personnel. Members ineligible to take the survey included the following: (1) hospitalized members; (2) members in transition for a permanent change of station; (3) members retiring within the time the inventories were administered to the field; and (4) members who had been in their present jobs for less than 6 weeks. Participants were selected from a computer-generated mailing list obtained from data tapes maintained by the Air Force Personnel Center, Randolph AFB TX.

Survey Sample

The data on survey returns were examined to ensure that the final sample reflected an accurate representation across major commands (MAJCOMs), paygrades, and skill levels. [Table 1](#) shows the distribution of the survey sample by MAJCOM, while [Table 2](#) displays the survey distribution by paygrade groups. [Table 3](#) shows the final sample distribution by skill level. [Table 4](#) displays the component characteristics for the AD, ANG, and AFRC members in the final sample.

TABLE 1

MAJCOM REPRESENTATION OF TOTAL SAMPLE		
COMMAND	PERCENT OF ASSIGNED**	PERCENT OF SAMPLE
ACC	21	18
USAFE	4	6
PACAF	6	5
AMC	15	15
AETC	7	10
AFMC	3	2
AFSOC	3	3
OTHER***	*	*
ANG	23	22
AFRC	17	18
TOTAL ASSIGNED**		5,986
TOTAL ELIGIBLE		5,355
TOTAL SURVEYS MAILED		5,355
TOTAL IN SAMPLE		1,818
PERCENT OF ASSIGNED IN SAMPLE		30
PERCENT OF ELIGIBLE IN SAMPLE		34
PERCENT OF MAILED IN SAMPLE		34

* Indicates less than 1%

** As of Mar 03

*** Other includes AFSPA and EUR

TABLE 2

PAYGRADE DISTRIBUTION OF SAMPLE		
PAYGRADE	PERCENT OF ASSIGNED*	PERCENT OF SAMPLE
E-1 - E-2	2	1
E-3	16	14
E-4	22	20
E-5	25	27
E-6	23	25
E-7	12	13

* As of Mar 03

TABLE 3

SKILL-LEVEL DISTRIBUTION OF SAMPLE		
SKILL LEVEL	PERCENT OF ASSIGNED*	PERCENT OF SAMPLE
2A636	20	19
2A656	51	41
2A676	29	40

* As of Mar 03

TABLE 4

COMPONENT CHARACTERISTICS			
	AD	ANG	AFRC
ASSIGNED	3,620	1,376	990
SURVEYED	3,309	1,157	890
SAMPLE	1,086	403	329
% OF SURVEYED	33	35	37

The command and paygrade distributions of the survey sample are close to the percent assigned, indicating that the sample is a true representation of the career ladder population assigned to the MAJCOMs. There were more 7-skill-level than 5-skill-level personnel in the final sample, which varies from the percentages of assigned personnel. However, this can be attributed to the low return rate and large number of unusable returns; it did not adversely affect the analysis.

2A6X6 JOB STRUCTURE

The first step in the analysis process is to identify the career ladder structure in terms of the jobs performed by the respondents. CODAP creates an individual job description for each respondent based on the tasks performed and relative amount of time spent on these tasks. The CODAP automated job clustering program then compares all the individual job descriptions, locates the two descriptions with the most similar tasks and time spent ratings, and combines them to form a composite job description. In successive stages, CODAP either adds new members to this initial group or forms new groups based on the similarity of tasks and time spent ratings. Human analysis of the final output, aided by additional measures of similarities and differences between groups, determines the final job structure of the career field as described here.

The basic group used in the hierarchical clustering process is the **Job**. When two or more jobs have a substantial degree of similarity in tasks performed and time spent on tasks, they are grouped together and identified as a **Cluster**. Jobs not falling within any cluster are identified as **Independent Jobs (IJs)**. The structure of the career ladder is then defined in terms of clusters, jobs, and independent jobs. The job structure resulting from this grouping process (the various jobs within the AFSC) can be used to evaluate the changes that have occurred in the AFSC since the previous OSR. It can also be used to guide future changes in the AFSC. The above terminology will be used in the discussion of the 2A6X6 career ladder.

Specialty Jobs

Based on the analysis of tasks performed and the amount of time spent performing each task, one cluster and six independent jobs were identified within the Aircraft Electrical and Environmental Systems career ladder. Figure 1 shows this job structure. A written outline of the job structure follows. The stage (STG) number shown beside each title refers to computer-generated tracking information. The letter “N” represents the number of members in each group. [Tables 5-12](#) (at the end of this report, following the narrative) provide detailed descriptions of the cluster and jobs listed below, including demographic information and representative tasks that members perform. In addition, the tables show some distinguishing tasks performed by members of jobs identified within the cluster.

- I. ELECTRICAL AND ENVIRONMENTAL SYSTEMS CORE CLUSTER (STG 87, N=1,347)
 - A. ELECTRICAL AND ENVIRONMENTAL SYSTEMS JOB (STG 229, N=1,112)
 - B. ENTRY-LEVEL ELECTRICAL AND ENVIRONMENTAL SYSTEMS JOB (STG 178, N=47)
 - C. LIGHTING/WARNING SYSTEM JOB (STG 294, N=22)
 - D. FIRST-LINE SUPERVISOR JOB (STG 220, N=34)
- II. OXYGEN SYSTEMS INDEPENDENT JOB (STG 190, N=71)
- III. POWER AND DISTRIBUTION SYSTEMS INDEPENDENT JOB (STG 212, N=16)
- IV. SECTION/ELEMENT CHIEF INDEPENDENT JOB (STG 243, N=65)

- V. INSTRUCTOR INDEPENDENT JOB (STG 81, N=49)
- VI. QUALITY ASSURANCE INDEPENDENT JOB (STG 191, N=20)
- VII. EXPEDITOR/PRODUCTION SUPERINTENDENT INDEPENDENT JOB (STG 133, N=15)

[Table 13](#), at the end of this narrative, displays time spent on duties by the members within the cluster and jobs.

Members Not Grouped

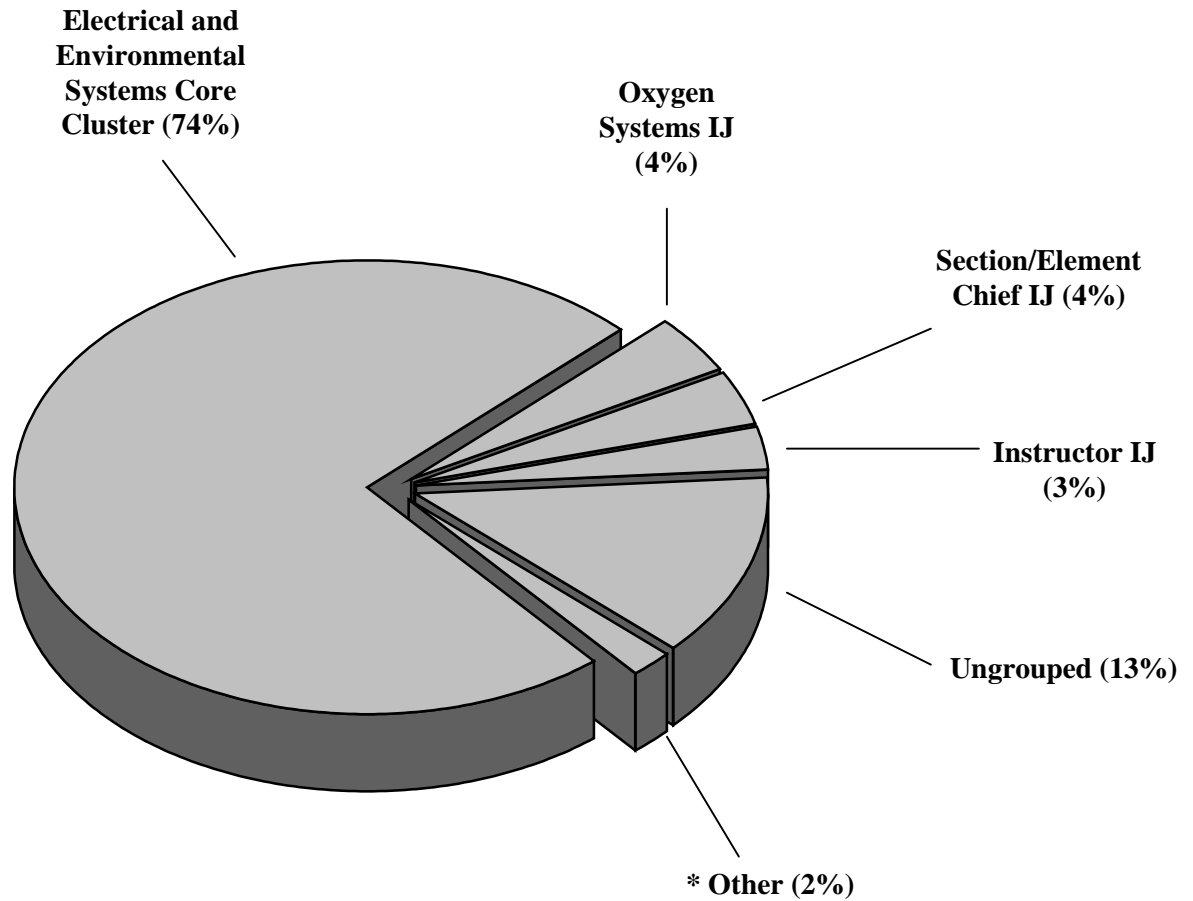
- Remaining 13% of survey sample did not group with any cluster or independent job
- Survey respondents sometimes do not fall into an identified job because they perform fewer tasks or mark the same tasks but give considerably different time spent ratings for those tasks
- In addition, there may not have been enough individuals performing the same combination of tasks to warrant identification of a job

Comparison of Current Specialty Jobs to Previous Survey

- Jobs in which 2A6X6 members were identified in 2000 study were also identified in current study for the most part
- Overall nature of the 2A6X6 career ladder has not changed much since the previous study; still a very homogeneous career ladder with small pockets of members performing jobs that are more focused

[Table 14](#) shows the cluster and jobs identified in this study compared to the previous study conducted in 2000.

**IDENTIFIED JOB STRUCTURE AND PERCENTAGES OF
TOTAL SURVEY SAMPLE
(N=1,818)**



***Other includes:**

- **Power and Distribution Systems IJ (<1%)**
- **Quality Assurance IJ (1%)**
- **Expeditior/Production Superintendent IJ (<1%)**

FIGURE 1

SKILL AND EXPERIENCE ANALYSIS

An analysis of DAFSC groups in conjunction with the analysis of the career ladder structure is an important part of each OSR. This information may be used to evaluate how well career ladder documents, such as AFMAN 36-2108, *Enlisted Classification*, reflect what career ladder personnel are actually doing in the field.

TOTAL SAMPLE

Jobs

[Table 15](#) – Distribution of skill-level members across the career ladder cluster and jobs:

- Majority of members in all three skill-level groups are in Electrical and Environmental Systems Core Cluster
- Remaining 3-skill-level members were divided among the technical independent jobs (Oxygen Systems and Power and Distribution Systems)
- Remaining 7-skill-level members were divided among the supervisory independent jobs (i.e., Section/Element Chief, Instructor, Quality Assurance, Expeditor/Production Superintendent)

Duties

[Table 16](#) – Time spent on duties by members of skill-level groups:

- Time spent on duties by all three skill levels distributed across all 26 duty areas
- 3- and 5-skill-level members spend slightly more time Performing Aircraft Electrical and Environmental Fundamental Maintenance Activities (Duty A), Maintaining Aircraft Power and Distribution Systems (Duty B), and Maintaining Aircraft Oxygen Systems and Associated Equipment (Duty O) than 7-skill-level members
- 7-skill-level members spend slightly more time Performing Maintenance Management Activities (Duty U) and Performing Training Activities (Duty Y) and spend significantly more time Performing Management and Supervisory Activities (Duty Z) than DAFSC 2A636 and 2A656 members

AD

Duties

[Table 17](#) – Time spent on duties by AD members of skill-level groups:

- Time spent on duties by all three skill levels distributed across all 26 duty areas
- 3- and 5-skill-level members spend slightly more time Performing Aircraft Electrical and Environmental Fundamental Maintenance Activities (Duty A), Maintaining Aircraft Power and Distribution Systems (Duty B), and Maintaining Aircraft Oxygen Systems and Associated Equipment (Duty O) than 7-skill-level members
- 7-skill-level members spend slightly more time Performing Maintenance Management Activities (Duty U) and Performing Training Activities (Duty Y) and spend significantly more time Performing Management and Supervisory Activities (Duty Z) than DAFSC 2A636 and 2A656 members

Tasks

[Table 18](#) – Tasks performed by AD 2A636 members:

- Tasks being performed by highest percentages of 3-skill-level members (57% and above) involve technical tasks across several duty areas, such as troubleshooting, performing operational checks, and removing and installing components with wires, harnesses, power systems, lighting, air-conditioning, and engine fire and overheat warning systems

[Table 19](#) – Tasks performed by AD 2A656 members:

- Tasks being performed by highest percentages (65% and above) of 5-skill-level members very similar to tasks being performed by 3-skill-level members with same degree of heterogeneity

[Table 20](#) – Tasks performed by AD 2A676 members:

- Heavy emphasis on supervisory and managerial activities at this skill level across several duty areas

ANG

Duties

[Table 21](#) – Time spent on duties by ANG members of skill-level groups:

- Time spent on duties by all three skill-level groups distributed across all 26 duty areas
- Time spent on duties by ANG members very similar to time spent on duties by AD members
- 3- and 5-skill-level members spend slightly more time Performing Aircraft Electrical and Environmental Fundamental Maintenance Activities (Duty A), Maintaining Aircraft Power and Distribution Systems (Duty B), and Maintaining Aircraft Oxygen Systems and Associated Equipment (Duty O) than 7-skill-level members
- 7-skill-level members spend slightly more time Performing Maintenance Management Activities (Duty U), Performing Training Activities (Duty Y), and Performing Management and Supervisory Activities (Duty Z) than DAFSC 2A636 and 2A656 members

Tasks

[Table 22](#) – Tasks performed by ANG 2A636 members:

- Tasks being performed by highest percentages of 3-skill-level members (58% and above) involve technical tasks across several duty areas, such as troubleshooting, performing operational checks, and removing and installing components with wires, harnesses, power systems, lighting, air-conditioning, engine fire and overheat warning systems, etc.

[Table 23](#) – Tasks performed by ANG 2A656 members:

- Tasks being performed by highest percentages (76% and above) of 5-skill-level members very similar to tasks being performed by 3-skill-level members with same degree of heterogeneity

[Table 24](#) – Tasks performed by ANG 2A676 members:

- Still large number of technical tasks being performed by majority of 7-skill-level members (85% and above)

AFRC

Duties

[Table 25](#) – Time spent on duties by AFRC members of skill-level groups:

- Time spent on duties by all three skill-level groups distributed across all 26 duty areas
- Time spent on duties by AFRC members similar to time spent on duties by AD and ANG members
- 3- and 5-skill-level members spend slightly more time Performing Aircraft Electrical and Environmental Fundamental Maintenance Activities (Duty A), Maintaining Aircraft Power and Distribution Systems (Duty B), and Maintaining Lighting Systems (Duty L) than 7-skill-level members
- 7-skill-level members spend slightly more time Performing Maintenance Management Activities (Duty U), Performing Training Activities (Duty Y), and Performing Management and Supervisory Activities (Duty Z) than DAFSC 2A656 and 2A676 members

Tasks

[Table 26](#) – Tasks performed by AFRC 2A636 members:

- Tasks being performed by highest percentages of 3-skill-level members (65% and above) involve technical tasks across several duty areas, such as troubleshooting, performing operational checks, and removing and installing components with wires, harnesses, power systems, lighting, air-conditioning and engine fire and overheat warning systems

[Table 27](#) – Tasks performed by AFRC 2A656 members:

- Tasks being performed by highest percentages (68% and above) of 5-skill-level members very similar to tasks being performed by 3-skill-level members with same degree of heterogeneity

[Table 28](#) – Tasks performed by AFRC 2A676 members:

- Still large number of technical tasks being performed by majority of 7-skill-level members (79% and above)

TRAINING ANALYSIS

Occupational survey data are a source of information that can assist in the development or evaluation of training programs for both entry-level and advanced members. In particular, the factors used to evaluate entry-level member training include the jobs that are being performed by first-enlistment personnel (1-48 months' TAFMS), the overall distribution of first-enlistment personnel across career ladder jobs, the percent of first-enlistment members who perform specific tasks, and ratings of relative training emphasis (TE) and task difficulty (TD). (TE and TD ratings are discussed in the Task Factor Administration section of this OSR.)

WHAT ENTRY-LEVEL MEMBERS NEED TO KNOW

First-Enlistment Personnel (1–48 months' TAFMS)

N=437 (24% of sample)

Jobs

[Figure 2](#) – Distribution of first-enlistment personnel across specialty cluster and jobs:

- Increases of 4% in Oxygen Systems IJ, 1% in Power and Distribution System IJ, and 5% Ungrouped versus jobs for total sample ([Figure 1](#))
- No first-enlistment personnel in Section/Element Chief IJ, Instructor IJ, Quality Assurance IJ, or Expeditor/Production Superintendent IJ

Duties

[Table 29](#) – Relative time spent on duties

- Time spent on duties by first-enlistment personnel distributed across all 26 duty areas
- First-enlistment personnel spend slightly more time Performing Aircraft Electrical and Environmental Fundamental Maintenance Activities (Duty A), Maintaining Aircraft Power and Distribution Systems (Duty B), and Maintaining Aircraft Oxygen Systems and Associated Equipment (Duty O)
- First-enlistment personnel spend less time Performing Deployment and Contingency Activities (Duty X), Performing Training Activities (Duty Y), and Performing Management and Supervisory Activities (Duty Z)

Tasks

[Table 30](#) – Representative tasks performed

- Tasks being performed by highest percentages of first-enlistment personnel (60% and above) involve technical tasks across several duty areas, such as troubleshooting, performing operational checks, and removing and installing components with wires, harnesses, power systems, lighting, air-conditioning and engine fire and overheat warning systems

Equipment

[Table 31](#) – Lists top equipment used or operated by first-enlistment personnel

[Table 32](#) – Lists top aircraft maintained by first-enlistment personnel

[Table 33](#) – Lists top forms used by first-enlistment personnel

DISTRIBUTION OF AFSC 2A6X6 FIRST-ENLISTMENT PERSONNEL (1-48 MONTHS' TAFMS) ACROSS SPECIALTY JOBS (N=437)

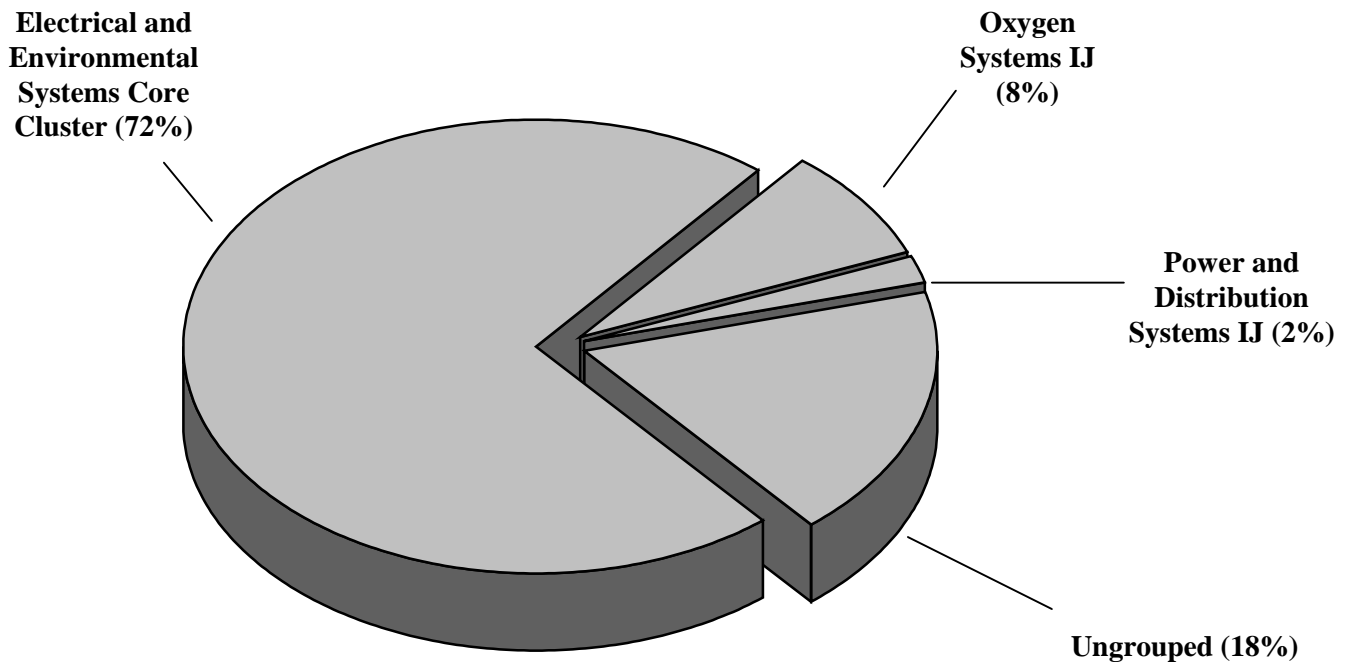


FIGURE 2

TASK FACTOR SURVEYS

Job descriptions alone do not provide sufficient data for making decisions about career ladder documents or training programs. Task factor information, along with data from the Specialty Training Standard (STS) is needed for a complete analysis of the career ladder. To obtain the needed task factor data, selected AFSC 2A6X6 members (generally E-6 or E-7 craftsmen) completed either a training emphasis (TE) or task difficulty (TD) survey. The training document (STS) was reviewed by matching survey tasks to STS elements, then examining task performance, TE data, and TD data for the matched tasks.

Task Factor Administration

TE and TD data can help training development personnel decide which tasks to emphasize for entry-level, structured training (resident technical schools, field training detachments, mobile training teams, formal OJT, or any other organized training method). For example, tasks receiving high TE and TD ratings generally warrant resident training if they are also performed by a moderate-to-high percentage of first-enlistment members. Tasks receiving high TE and/or TD ratings but being performed by relatively low percentages of first-enlistment members may be more appropriately planned for structured OJT programs within the career ladder. Low TE and/or TD ratings may highlight tasks best omitted from training for new personnel. These task factors are, of course, not the only ones to weigh in making training decisions; the percentages of personnel performing the tasks, command concerns, the criticality of the tasks, and other important factors must also be carefully considered.

Training Emphasis (TE) — degree of emphasis that should be placed on each task for structured training of entry-level members:

- Twenty-one AFSC 2A6X6 noncommissioned officers (NCOs) rated tasks in the inventory on a scale from 0 (no training required) to 9 (extremely high training emphasis)
- Average TE rating was 2.16 with a standard deviation of 1.64
- If a task has a TE rating at least one standard deviation above the mean, that is, of at least 3.80, it is probably important to provide new personnel with formal training on that task

[Table 34](#) – Tasks with highest TE ratings:

- Tasks with high TE ratings are very diverse and include air-conditioning, oxygen, anti-skid, engine fire or overheat detection, nose-gear steering, and miscellaneous electrical and power systems

Task Difficulty (TD) — amount of time needed to learn to perform that task satisfactorily:

- Thirty-one AFSC 2A6X6 NCOs rated the difficulty of tasks in the inventory using a scale from 1 (extremely low difficulty) to 9 (extremely high difficulty)
- TD ratings are normally adjusted so that tasks of average difficulty have a value of 5.00 and a standard deviation of 1.00
- Any task with a difficulty of 6.00 or greater is therefore considered difficult to learn

[Table 35](#) – Tasks with highest TD ratings:

- Also lists percent members performing these tasks by groups of 1-24 months' and 1-48 months' TAFMS, as well as members of the 3-, 5-, and 7-skill-level groups
- Tasks with high TD ratings are also very diverse and include systems such as power and distribution, fuel and water, cargo door and ramp, landing gear, and other miscellaneous electrical and environmental control systems but they are usually different tasks than those with a high TE rating -- high TD often implies low TE
- Unlike tasks with high TE ratings, some tasks with high TD ratings have low percent members performing
- This pattern is typical across many career fields because relatively few members perform the most difficult tasks

WHAT DOES THE 2A6X6 TRAINING DOCUMENT REFLECT?

Specialty Training Standard (STS) Analysis

Technical school personnel from the 364th Training Squadron (364 TRS), Sheppard AFB TX, matched JI tasks to STS items. Per AETCI 36-2601, dated 14 July 1999, STS elements that are performed by at least 20% of members in appropriate skill-level groups [particularly first-job (1-24 months' TAFMS) members and first-enlistment (1-48 months' TAFMS) members] should be included in the STS. Of course, these are not the only criteria for inclusion in the STS, and other rational considerations may argue against inclusion. Likewise, proficiency-coded elements matched to tasks with less than 20% performing in first-job and first-enlistment groups should be closely reviewed by subject-matter experts for possible deletion from the STS, unless other considerations (such as mission criticality or criticality to a particular MAJCOM) argue for inclusion of these "unsupported items." As stated above, several tasks not referenced to the STS with at least 20% of the first-job or first-enlistment members performing should be reviewed by training personnel for possible addition to the STS. Finally, several tasks with 20% or more members performing were matched to STS elements without proficiency codes. These STS elements should be reviewed for possible proficiency code revision.

[Table 36](#) – Examples of tasks not referenced to STS elements with 20% or more members performing:

- A complete listing of tasks not referenced to the STS can be found at the end of the STS report in Training Extract; these tasks should be reviewed for possible addition to STS

[Table 37](#) – Examples of tasks with 20% or more members performing matched to STS elements without proficiency codes:

- A complete listing of tasks matched to STS elements can be found in the STS report in the Training Extract; these STS elements should be reviewed for possible proficiency code revision

There was considerable disparity between the STS and the task list. This is due in large part to the fact that the task list was developed prior to the new STS published Oct 2002. There were some STS items coded at the 2b level that had no tasks matched to them. However; there were no major STS items that were unsupported.

Overall, the STS is adequately supported by the survey data.

JOB SATISFACTION ANALYSIS

An examination of job satisfaction indicators can give career ladder managers a better understanding of factors that may affect the job performance of career ladder airmen. The survey included attitude questions covering job interest, perceived utilization of talents and training, sense of accomplishment from work, and reenlistment intentions.

Job Satisfaction

Overall = Very Good

[Table 38](#) – Job satisfaction data by job groups identified in [2A6X6 JOB STRUCTURE](#) section of this report:

- Lighting/Warning System Job, First-Line Supervisor Job, and Oxygen Systems Independent Job – low job satisfaction overall compared to the remaining jobs and cluster
- Oxygen Systems Independent Job – very low expressed job interest, perceived use of talents, sense of accomplishment from job, and reenlistment intentions
- Section/Element Chief Independent Job, Instructor Independent Job, Quality Assurance Independent Job, and Expeditor/Production Superintendent Independent Job – high job satisfaction indicators overall compared to remaining jobs and cluster

[Table 39](#) – displays comparative job satisfaction data between the current 2A6X6 OSR data and members from similar AFSCs surveyed in the previous 24 months (AFSC 2A5X1, Aerospace Maintenance, 2A5X2 – Helicopter Maintenance, 2A6X1B – Aerospace Propulsion (Turboprop/Turboshaft), 2A7X2 – Nondestructive Inspection, 2A7X4 – Survival Equipment). The results from the comparison data are summarized below:

- Overall, job satisfaction ratings for the 2A6X6 members are slightly higher compared to the comparative sample

[Table 40](#) displays job satisfaction data for the AD, ANG, and AFRC members. The results for the three components are summarized below:

- Job satisfaction ratings for the ANG and AFRC members are higher than the AD members, especially for job interest, sense of accomplishment from job, and reenlistment intentions

[Table 41](#) compares job satisfaction data for the current 2A6X6 OSR data and the 2000 2A6X6 survey. The results of the comparison are summarized below:

- Overall, job satisfaction ratings for the 2A6X6 members in the current study are very similar compared to the 2A6X6 members in the previous study
- Perceived use of talents and reenlistment intentions for 2A6X6 career airmen in the current study are slightly higher compared to perceived use of talents and reenlistment intentions in 2000

RETENTION DIMENSIONS

JIs also routinely collect information about factors that affect reenlistment and separation decisions. That is, respondents who say that they are likely to reenlist at the end of their present term (and those not eligible for retirement) are asked to indicate whether each of 31 different factors will have any effect on their intended decision and, if so, the degree to which each factor may influence their decision to reenlist. Respondents who indicate that they are likely to separate at the end of their present term (and those not eligible for retirement) are asked to indicate whether each of 31 different factors will have any effect on their intended decision and, if so, the degree to which each factor may influence their decision to separate. The degree is indicated on a 3-point scale ranging from “slight influence” to “strong influence.”

Reenlistment

[Table 42](#) – Lists the 31 factors in the order they appeared in the survey. The percent selecting each factor and the average rating for each factor by TAFMS group based on how much each factor may influence their decision to reenlist are also shown:

- Top 5 reasons members may choose to reenlist based on the highest percentages selecting each factor are listed below [Table 42](#)

- Job security, retirement benefits, and medical/dental care for AD member are among the top five factors that may influence the respondents' decisions to reenlist for each TAFMS group
- Pay and allowances and medical or dental care for family members were major influences on reenlistment for two of the three TAFMS groups

Separation

[Table 43](#) – Displays the percentage of the members for each TAFMS group indicating that their plans to separate may be influenced by each factor as well as the average ratings by TAFMS group for the 31 factors based on the influence each factor may have on the respondents' decisions to separate:

- Top 5 reasons members in each TAFMS group may choose to separate based on the highest percentages selecting each factor are listed below [Table 43](#)
- Military lifestyle, pay and allowances, and recognition of efforts are among the top five factors that may influence the respondents' decisions to separate for each TAFMS group
- Civilian job opportunities and leadership at unit level were major influences on separating for two of the three TAFMS groups

TABLE 5

**ELECTRICAL AND ENVIRONMENTAL SYSTEMS
CORE CLUSTER (STG 87)
N=1,347 (74% of TOTAL SAMPLE)**

DEMOGRAPHICS

Average Time in Present Job	6 years 2 months
Average TAFMS	7 years 1 month
Predominant Paygrades	E-4 22%
	E-5 30%
	E-6 25%
Skill Levels	2A636 18%
	2A656 44%
	2A676 38%

TASKS	AVERAGE NUMBER OF TASKS PERFORMED	256	PERCENT MEMBERS PERFORMING
B0060	Perform operational checks of AC power systems		97
B0062	Perform operational checks of DC power systems		97
A0017	Crimp splices, terminals, or pins to wires		96
B0066	Remove or install AC power components		96
B0068	Remove or install DC power components		96
B0081	Troubleshoot AC power malfunctions		95
B0083	Troubleshoot DC power malfunctions		95
L0426	Perform operational checks of exterior lighting systems		94
L0431	Remove or install exterior lighting system components		94
L0441	Troubleshoot exterior lighting system malfunctions		93
B0064	Perform operational checks of external power systems		92
A0028	Inspect wire bundles or harnesses		91
A0004	Assemble or disassemble connector plugs		91
B0085	Troubleshoot external power system malfunctions		91
J0392	Remove or install engine fire or overheat detection system components		91
A0011	Clean connector plugs		91
L0428	Perform operational checks of interior lighting systems		90
L0433	Remove or install interior lighting system components		90
L0443	Troubleshoot interior lighting system malfunctions		90
A0038	Remove or install line replaceable units (LRUs), such as control boxes, relays, or valves		88
S0687	Remove or install air-conditioning system components		88
D0138	Perform operational checks of anti-skid systems		88
A0026	Inspect electrical bonds or grounds		88
S0681	Perform operational checks of air-conditioning systems		87
D0147	Remove or install anti-skid system components		87
J0396	Troubleshoot engine fire or overheat detection system malfunctions		87
B0070	Remove or install external power components		87
S0700	Troubleshoot air-conditioning system malfunctions		86
L0421	Inspect exterior lighting system components		86
J0390	Perform operational checks of engine fire or overheat warning systems		86
J0393	Remove or install fire warning detection system components		86

TABLE 6

JOBS IDENTIFIED WITHIN ELECTRICAL AND ENVIRONMENTAL SYSTEMS CORE CLUSTER

**ELECTRICAL AND ENVIRONMENTAL SYSTEMS JOB (STG 229)
N=1,112 (83% OF CLUSTER)**

DEMOGRAPHICS

Average Time in Present Job	6 years 6 months	
Average TAFMS	7 years 0 months	
Predominant Paygrades	E-4	21%
	E-5	31%
	E-6	27%
Skill Levels	2A636	15%
	2A656	45%
	2A676	40%

TASKS	AVERAGE NUMBER OF TASKS PERFORMED	271	PERCENT MEMBERS PERFORMING
B0060	Perform operational checks of AC power systems		98
B0081	Troubleshoot AC power malfunctions		98
B0062	Perform operational checks of DC power systems		98
A0017	Crimp splices, terminals, or pins to wires		97
B0066	Remove or install AC power components		97
L0426	Perform operational checks of exterior lighting systems		97
L0441	Troubleshoot exterior lighting system malfunctions		97
L0431	Remove or install exterior lighting system components		97
B0083	Troubleshoot DC power malfunctions		97
B0068	Remove or install DC power components		97
S0687	Remove or install air-conditioning system components		95
L0443	Troubleshoot interior lighting system malfunctions		95
B0085	Troubleshoot external power system malfunctions		95
S0700	Troubleshoot air-conditioning system malfunctions		94
S0681	Perform operational checks of air-conditioning systems		94
A0028	Inspect wire bundles or harnesses		94
L0428	Perform operational checks of interior lighting systems		94
B0064	Perform operational checks of external power systems		94
L0433	Remove or install interior lighting system components		94
J0392	Remove or install engine fire or overheat detection system components		94
D0138	Perform operational checks of anti-skid systems		93
A0004	Assemble or disassemble connector plugs		93
J0396	Troubleshoot engine fire or overheat detection system malfunctions		93
A0011	Clean connector plugs		93
S0677	Perform leakage checks of air-conditioning systems		92
D0147	Remove or install anti-skid system components		92
L0421	Inspect exterior lighting system components		91
A0026	Inspect electrical bonds or grounds		91
A0038	Remove or install line replaceable units (LRUs), such as control boxes, relays, or valves		90
Q0611	Perform operational checks of bleed air distribution systems		90
S0671	Inspect air-conditioning system components		90

TABLE 6 (CONTINUED)

**ENTRY-LEVEL ELECTRICAL AND ENVIRONMENTAL
SYSTEMS JOB (STG 178)
N=47 (3% OF CLUSTER)**

DEMOGRAPHICS

Average Time in Present Job	3 years 5 months	
Average TAFMS	3 years 6 months	
Predominant Paygrades	E-3	34%
	E-4	26%
	E-5	32%
Skill Levels	2A636	49%
	2A656	43%
	2A676	9%

TASKS	AVERAGE NUMBER OF TASKS PERFORMED	93	PERCENT MEMBERS PERFORMING
B0083	Troubleshoot DC power malfunctions		100
B0068	Remove or install DC power components		100
B0060	Perform operational checks of AC power systems		98
B0066	Remove or install AC power components		98
B0081	Troubleshoot AC power malfunctions		98
B0062	Perform operational checks of DC power systems		96
A0017	Crimp splices, terminals, or pins to wires		94
L0433	Remove or install interior lighting system components		91
L0431	Remove or install exterior lighting system components		91
L0441	Troubleshoot exterior lighting system malfunctions		89
B0085	Troubleshoot external power system malfunctions		89
L0426	Perform operational checks of exterior lighting systems		87
D0138	Perform operational checks of anti-skid systems		85
B0063	Perform operational checks of emergency power systems		85
B0070	Remove or install external power components		85
B0061	Perform operational checks of battery charger systems		83
D0147	Remove or install anti-skid system components		83
B0084	Troubleshoot emergency power malfunctions, other than batteries		83
B0064	Perform operational checks of external power systems		81
B0082	Troubleshoot battery charger system malfunctions		81
A0011	Clean connector plugs		81
L0443	Troubleshoot interior lighting system malfunctions		79
L0428	Perform operational checks of interior lighting systems		77
B0067	Remove or install battery charger components		77
D0164	Troubleshoot anti-skid system malfunctions		74
B0069	Remove or install emergency power components, other than batteries		74
D0143	Perform operational checks of nose-wheel or nose-gear steering systems		68
A0038	Remove or install line replaceable units (LRUs), such as control boxes, relays, or valves		68
D0168	Troubleshoot landing gear control or warning system malfunctions		68
L0440	Troubleshoot emergency lighting system malfunctions		68
A0004	Assemble or disassemble connector plugs		68

TABLE 6 (CONTINUED)

**LIGHTING AND WARNING SYSTEM JOB (STG 294)
N=22 (2% OF CLUSTER)**

DEMOGRAPHICS

Average Time in Present Job	5 years 0 months	
Average TAFMS	9 years 6 months	
Predominant Paygrades	E-3	23%
	E-4	9%
	E-5	23%
	E-6	41%
Skill Levels	2A636	27%
	2A656	27%
	2A676	46%

TASKS	AVERAGE NUMBER OF TASKS PERFORMED	193	PERCENT MEMBERS PERFORMING
I0349	Perform operational checks of master caution and warning systems		100
I0377	Troubleshoot master caution and warning system malfunctions		100
L0428	Perform operational checks of interior lighting systems		100
L0426	Perform operational checks of exterior lighting systems		100
B0081	Troubleshoot AC power malfunctions		100
L0433	Remove or install interior lighting system components		100
L0441	Troubleshoot exterior lighting system malfunctions		100
L0443	Troubleshoot interior lighting system malfunctions		100
B0062	Perform operational checks of DC power systems		100
B0060	Perform operational checks of AC power systems		100
B0083	Troubleshoot DC power malfunctions		100
L0431	Remove or install exterior lighting system components		100
B0066	Remove or install AC power components		100
A0011	Clean connector plugs		100
A0004	Assemble or disassemble connector plugs		100
F0236	Perform operational checks of air refueling probe systems		100
J0393	Remove or install fire warning detection system components		100
N0482	Perform operational checks of aircraft fire extinguishing systems		100
B0064	Perform operational checks of external power systems		95
A0017	Crimp splices, terminals, or pins to wires		95
B0085	Troubleshoot external power system malfunctions		95
A0028	Inspect wire bundles or harnesses		95
B0068	Remove or install DC power components		95
B0056	Inspect DC power components		95
N0476	Inspect aircraft fire extinguishing systems		95
B0070	Remove or install external power components		95
N0490	Troubleshoot aircraft fire extinguishing system malfunctions		95
J0397	Troubleshoot fire warning detection system malfunctions		95
A0003	Apply sealant to connectors, relays, and fixtures		95
A0038	Remove or install line replaceable units (LRUs), such as control boxes, relays, or valves		91
A0030	Perform corrosion control procedures		91

TABLE 6 (CONTINUED)

**FIRST-LINE SUPERVISOR JOB (STG 220)
N=34 (3% OF CLUSTER)**

DEMOGRAPHICS

Average Time in Present Job	4 years 6 months
Average TAFMS	16 years 6 months
Paygrades	E-5 12%
	E-6 35%
	E-7 53%
Skill Levels	2A656 6%
	2A676 94%

TASKS	AVERAGE NUMBER OF TASKS PERFORMED	291	PERCENT MEMBERS PERFORMING
B0060	Perform operational checks of AC power systems		97
B0062	Perform operational checks of DC power systems		97
B0064	Perform operational checks of external power systems		97
Z0990	Counsel subordinates concerning personal matters		94
Z0981	Assign personnel to work areas or duty positions		94
Z0988	Conduct supervisory performance feedback sessions		94
A0028	Inspect wire bundles or harnesses		94
Z1030	Write or indorse military performance reports		91
Z0985	Conduct self-inspections or self-assessments		91
Y0963	Conduct on-the-job training (OJT)		91
Y0975	Maintain training records or files		91
Z1009	Evaluate personnel for compliance with performance standards		91
Z1017	Inspect personnel for compliance with military standards		91
Z1031	Write recommendations for awards or decorations		91
L0426	Perform operational checks of exterior lighting systems		91
B0081	Troubleshoot AC power malfunctions		91
Y0973	Evaluate progress of trainees		88
Z0992	Determine or establish work assignments or priorities		88
Y0964	Counsel trainees on training progress		88
Y0965	Determine training requirements		88
S0671	Inspect air-conditioning system components		88
J0387	Inspect fire warning detection system components		88
L0421	Inspect exterior lighting system components		88
L0423	Inspect interior lighting system components		88
L0431	Remove or install exterior lighting system components		88
A0004	Assemble or disassemble connector plugs		88
B0066	Remove or install AC power components		88
L0441	Troubleshoot exterior lighting system malfunctions		88
L0428	Perform operational checks of interior lighting systems		88
A0011	Clean connector plugs		88
Z0984	Conduct safety inspections of equipment or facilities		85

TABLE 7

**OXYGEN SYSTEMS INDEPENDENT JOB (STG 190)
N=71 (4% of TOTAL SAMPLE)**

DEMOGRAPHICS

Average Time in Present Job	2 years 8 months	
Average TAFMS	6 years 1 month	
Predominant Paygrades	E-3	30%
	E-4	27%
	E-5	24%
Skill Levels	2A636	32%
	2A656	51%
	2A676	17%

TASKS	AVERAGE NUMBER OF TASKS PERFORMED	148	PERCENT MEMBERS PERFORMING
A0017	Crimp splices, terminals, or pins to wires		99
O0542	Remove or install LOX servicing cart components		97
O0560	Troubleshoot LOX servicing cart malfunctions		96
O0538	Purge LOX servicing carts		94
O0513	Inspect LOX servicing carts		94
O0522	Perform leakage checks of LOX servicing carts		94
O0529	Perform operational checks of LOX servicing carts		92
A0028	Inspect wire bundles or harnesses		90
O0511	Inspect GOX servicing carts		89
O0558	Troubleshoot GOX servicing cart malfunctions		89
A0004	Assemble or disassemble connector plugs		89
O0551	Repair LOX servicing cart components		87
O0527	Perform operational checks of GOX servicing carts		87
O0520	Perform leakage checks of GOX servicing carts		87
O0540	Remove or install GOX servicing cart components		86
H0311	Inspect batteries		85
A0022	Fabricate wire bundles or harnesses		85
A0011	Clean connector plugs		85
A0033	Perform soldering on solid-state components or conventional devices		83
O0536	Purge LOX system converters		82
A0027	Inspect test equipment		80
H0314	Perform capacitance tests on batteries		79
H0310	Clean batteries		79
H0312	Inspect battery charger analyzer components		77
A0010	Bench check relays		77
O0514	Inspect LOX system components		75
B0052	Bench check DC power components		75
A0032	Perform time compliance technical order (TCTO) modifications		75
O0500	Clean LOX system components		73
O0505	Evacuate LOX servicing carts		73
O0549	Repair GOX servicing cart components		73
B0055	Inspect battery charger systems		73
A0026	Inspect electrical bonds or grounds		73
A0020	Fabricate electrical leads		70

TABLE 8

**POWER AND DISTRIBUTION SYSTEMS INDEPENDENT JOB (STG 212)
N=16 (<1% of TOTAL SAMPLE)**

DEMOGRAPHICS			
	Average Time in Present Job		3 years 11 months
	Average TAFMS		5 years 2 months
	Predominant Paygrades	E-3	25%
		E-4	19%
		E-5	38%
	Skill Levels	2A636	38%
		2A656	56%
		2A676	6%
TASKS	AVERAGE NUMBER OF TASKS PERFORMED	45	PERCENT MEMBERS PERFORMING
B0062	Perform operational checks of DC power systems		100
B0068	Remove or install DC power components		100
B0083	Troubleshoot DC power malfunctions		100
B0085	Troubleshoot external power system malfunctions		100
B0060	Perform operational checks of AC power systems		94
B0081	Troubleshoot AC power malfunctions		94
B0064	Perform operational checks of external power systems		94
B0066	Remove or install AC power components		94
B0063	Perform operational checks of emergency power systems		94
A0011	Clean connector plugs		88
B0061	Perform operational checks of battery charger systems		88
B0067	Remove or install battery charger components		88
B0084	Troubleshoot emergency power malfunctions, other than batteries		88
A0017	Crimp splices, terminals, or pins to wires		81
B0056	Inspect DC power components		81
B0082	Troubleshoot battery charger system malfunctions		81
B0069	Remove or install emergency power components, other than batteries		81
B0054	Inspect AC power components		75
A0004	Assemble or disassemble connector plugs		69
A0028	Inspect wire bundles or harnesses		69
B0070	Remove or install external power components		69
A0026	Inspect electrical bonds or grounds		62
B0055	Inspect battery charger systems		62
A0022	Fabricate wire bundles or harnesses		62
B0057	Inspect emergency power components, other than batteries		56
B0058	Inspect external power components		56
B0086	Troubleshoot IDG malfunctions		50
A0032	Perform time compliance technical order (TCTO) modifications		50
B0071	Remove or install IDGs		50
A0020	Fabricate electrical leads		50
A0003	Apply sealant to connectors, relays, and fixtures		50
B0065	Perform operational checks of IDGs		44
A0038	Remove or install line replaceable units (LRUs), such as control boxes, relays, or valves		44
D0129	Inspect anti-skid system components		44

TABLE 9

**SECTION/ELEMENT CHIEF INDEPENDENT JOB (STG 243)
N=65 (4% of TOTAL SAMPLE)**

DEMOGRAPHICS

Average Time in Present Job	2 years 11 months
Average TAFMS	18 years 3 months
Predominant Paygrades	E-6 26%
	E-7 69%
Skill Levels	2A656 5%
	2A676 95%

TASKS	AVERAGE NUMBER OF TASKS PERFORMED	69	PERCENT MEMBERS PERFORMING
Z0990	Counsel subordinates concerning personal matters		98
Z1017	Inspect personnel for compliance with military standards		97
Z1009	Evaluate personnel for compliance with performance standards		92
Z1018	Interpret policies, directives, or procedures for subordinates		92
Z0985	Conduct self-inspections or self-assessments		92
Z1031	Write recommendations for awards or decorations		91
Z1030	Write or indorse military performance reports		89
Z1004	Establish performance standards for subordinates		89
Z0988	Conduct supervisory performance feedback sessions		89
Z0992	Determine or establish work assignments or priorities		88
Z1010	Evaluate personnel for promotion, demotion, reclassification, or special awards		88
Z0987	Conduct supervisory orientations for newly assigned personnel		86
Z0981	Assign personnel to work areas or duty positions		85
Z1025	Schedule personnel for TDY assignments, leaves, or passes		83
Z1016	Initiate actions required due to substandard performance of personnel		83
Y0965	Determine training requirements		80
Z0998	Develop or establish work schedules		78
Y0975	Maintain training records or files		77
Y0960	Brief personnel concerning training programs or matters		77
Y0964	Counsel trainees on training progress		77
Y0973	Evaluate progress of trainees		74
Z1008	Evaluate job-related suggestions		74
Z0983	Conduct general meetings, such as staff meetings, briefings, conferences, or workshops		72
Z1007	Evaluate job hazards or compliance with Air Force Occupational Safety and Health (AFOSH) program		72
Z0984	Conduct safety inspections of equipment or facilities		69
Z0991	Determine or establish logistics requirements, such as personnel, equipment, tools, parts, supplies, or workspace		69
V0859	Maintain administrative files		63
V0855	Initiate or maintain standby rosters or workcenter pyramid recall rosters		62
Z0997	Develop or establish work methods or procedures		60
Z1006	Evaluate inspection report findings or inspection procedures		60
Z1032	Write replies to inspection reports		60
Z1005	Establish procedures for accountability of equipment, tools, parts, or supplies		58
Z0982	Assign sponsors for newly assigned personnel		58

TABLE 10**INSTRUCTOR INDEPENDENT JOB (STG 81)
N=49 (3% of TOTAL SAMPLE)**

DEMOGRAPHICS

Average Time in Present Job	3 years 6 months	
Average TAFMS	13 years 3 months	
Paygrades	E-5	31%
	E-6	55%
	E-7	14%
Skill Levels	2A656	31%
	2A676	69%

TASKS	AVERAGE NUMBER OF TASKS PERFORMED	60	PERCENT MEMBERS PERFORMING
Y0976	Personalize lesson plans		100
Y0962	Conduct formal course classroom training		90
Y0959	Administer or score tests		88
Y0968	Develop training programs, plans, or procedures		88
Y0967	Develop or procure training materials or aids		86
Y0975	Maintain training records or files		84
Y0964	Counsel trainees on training progress		84
Y0973	Evaluate progress of trainees		82
Y0974	Inspect training materials or aids for operation or suitability		82
Y0969	Develop written tests		82
Y0966	Develop formal course curricula, plans of instruction (POIs), or specialty training standards (STSs)		71
Z1017	Inspect personnel for compliance with military standards		69
Y0960	Brief personnel concerning training programs or matters		69
Y0965	Determine training requirements		67
Y0972	Evaluate effectiveness of training programs, plans, or procedures		67
Y0961	Complete student entry or withdrawal forms		63
Z0985	Conduct self-inspections or self-assessments		61
Z0990	Counsel subordinates concerning personal matters		59
Y0971	Evaluate training methods or techniques of instructors		59
Y0963	Conduct on-the-job training (OJT)		53
Z1018	Interpret policies, directives, or procedures for subordinates		49
Z1009	Evaluate personnel for compliance with performance standards		49
Z0984	Conduct safety inspections of equipment or facilities		49
Y0970	Establish or maintain study reference files		47
V0864	Maintain TO libraries		39
Z1030	Write or indorse military performance reports		39
Z1013	Implement safety or security programs		39
Z1004	Establish performance standards for subordinates		37
Z1016	Initiate actions required due to substandard performance of personnel		37
Z1031	Write recommendations for awards or decorations		37
Y0978	Write training reports		37
Z0988	Conduct supervisory performance feedback sessions		37

TABLE 11

**QUALITY ASSURANCE INDEPENDENT JOB (STG 191)
N=20 (1% of TOTAL SAMPLE)**

DEMOGRAPHICS

Average Time in Present Job	1 year 8 months	
Average TAFMS	15 years 10 months	
Paygrades	E-5	15%
	E-6	50%
	E-7	35%
Skill Levels	2A656	10%
	2A676	90%

TASKS	AVERAGE NUMBER OF TASKS PERFORMED	84	PERCENT MEMBERS PERFORMING
Q0598	Inspect bleed air distribution systems		100
L0421	Inspect exterior lighting system components		100
S0671	Inspect air-conditioning system components		95
B0054	Inspect AC power components		95
B0056	Inspect DC power components		95
D0133	Inspect landing gear control or warning system components		95
J0386	Inspect engine fire or overheat detection systems		95
L0423	Inspect interior lighting system components		90
U0822	Review aircraft flight or maintenance records, such as AFTO Forms 781 series		85
U0814	Initiate or annotate aircraft flight or maintenance records, such as AFTO Forms 781 series		85
U0817	Participate in TCTO meetings		85
B0057	Inspect emergency power components, other than batteries		85
J0387	Inspect fire warning detection system components		85
B0055	Inspect battery charger systems		85
I0339	Inspect master caution and warning system components		85
Z0984	Conduct safety inspections of equipment or facilities		80
U0818	Perform maintenance activity inspections or self-inspections		80
Z1007	Evaluate job hazards or compliance with Air Force Occupational Safety and Health (AFOSH) program		80
S0674	Inspect equipment cooling system components		80
P0569	Inspect cabin or cargo pressurization systems		80
O0514	Inspect LOX system components		80
Z0985	Conduct self-inspections or self-assessments		75
Z1019	Investigate accidents or incidents		75
U0824	Review TO changes		75
A0028	Inspect wire bundles or harnesses		75
V0841	Complete accident or incident reports		75
D0129	Inspect anti-skid system components		75
Q0599	Inspect bleed air leak systems		75
O0512	Inspect GOX system components		75
B0058	Inspect external power components		75
L0420	Inspect emergency lighting system components		75

TABLE 12

**EXPEDITOR/PRODUCTION SUPERINTENDENT INDEPENDENT JOB (STG 133)
N=15 (<1% of TOTAL SAMPLE)**

		DEMOGRAPHICS		
	Average Time in Present Job	2 years 3 months		
	Average TAFMS	17 years 3 months		
	Paygrades	E-5	7%	
		E-6	13%	
		E-7	80%	
	Skill Levels	2A656	7%	
		2A676	93%	
TASKS	AVERAGE NUMBER OF TASKS PERFORMED	49		PERCENT MEMBERS PERFORMING
Z0992	Determine or establish work assignments or priorities			100
U0802	Adjust daily maintenance plans to meet operational commitments			93
V0841	Complete accident or incident reports			93
U0822	Review aircraft flight or maintenance records, such as AFTO Forms 781 series			87
V0842	Coordinate maintenance of equipment with appropriate agencies			80
Z0990	Counsel subordinates concerning personal matters			80
U0805	Clear Red-X conditions			80
Z1031	Write recommendations for awards or decorations			80
U0823	Review preventive maintenance schedules			73
U0814	Initiate or annotate aircraft flight or maintenance records, such as AFTO Forms 781 series			73
U0809	Evaluate maintenance procedures			73
Z1018	Interpret policies, directives, or procedures for subordinates			60
U0806	Evaluate deficiency, service, or status reports, such as reports of deficiency (RODs)			60
Z1017	Inspect personnel for compliance with military standards			53
V0840	Compile data for records, reports, logs, or trend analyses			53
Z1009	Evaluate personnel for compliance with performance standards			53
U0821	Retrieve GO-81 listings or reports			53
Z1011	Evaluate maintenance or utilization of equipment, tools, parts, supplies, or workspace			53
Z0983	Conduct general meetings, such as staff meetings, briefings, conferences, or workshops			53
Z1019	Investigate accidents or incidents			53
V0850	Identify and report equipment or supply problems			53
Z0985	Conduct self-inspections or self-assessments			53
U0818	Perform maintenance activity inspections or self-inspections			53
V0854	Initiate requisitions for equipment, tools, parts, or supplies			53
Z0981	Assign personnel to work areas or duty positions			47
Z1030	Write or indorse military performance reports			47
U0816	Monitor in-process maintenance or initiate on-the-spot corrections			47
U0804	Analyze GO-81 data			47
Z0998	Develop or establish work schedules			47
U0803	Analyze core automated maintenance system (CAMS) data			47
Z0984	Conduct safety inspections of equipment or facilities			47
U0817	Participate in TCTO meetings			47
V0851	Identify and report suspected security compromises			47
X0926	Coordinate deployment or contingency requirements with appropriate agencies			47

TABLE 13

**AVERAGE PERCENT TIME SPENT ON DUTIES
BY 2A6X6 CLUSTER AND JOBS**

DUTIES	ELECTRICAL/ ENVIRONMENTAL SYSTEMS CORE CLUSTER (N=1,347) (STG 87)	ELECTRICAL/ ENVIRONMENTAL SYSTEMS JOB (N=1,112) (STG 229)	ENTRY-LEVEL E & E SYSTEMS JOB (N=47) (STG 178)
	A PERFORMING AIRCRAFT ELECTRICAL AND ENVIRONMENTAL FUNDAMENTAL MAINTENANCE ACTIVITIES	8	8
B MAINTAINING AIRCRAFT POWER AND DISTRIBUTION SYSTEMS	11	10	24
C MAINTAINING ENGINE START AND IGNITION CONTROL SYSTEMS	1	1	*
D MAINTAINING LANDING GEAR SYSTEMS	6	6	12
E MAINTAINING CARGO DOOR AND RAMP SYSTEMS	1	1	*
F MAINTAINING FUEL AND WATER SYSTEMS	1	1	*
G MAINTAINING FLIGHT CONTROL SYSTEMS	3	3	2
H MAINTAINING BATTERIES	2	2	2
I MAINTAINING MASTER CAUTION AND WARNING SYSTEMS	3	3	2
J MAINTAINING ENGINE FIRE OR OVERHEAT WARNING SYSTEMS	4	4	4
K MAINTAINING PYROTECHNIC SYSTEMS	*	*	0
L MAINTAINING LIGHTING SYSTEMS	8	8	14
M MAINTAINING ANTI-ICING SYSTEMS	4	4	2
N MAINTAINING AIRCRAFT FIRE EXTINGUISHING SYSTEMS	3	3	1
O MAINTAINING AIRCRAFT OXYGEN SYSTEMS AND ASSOCIATED EQUIPMENT	7	8	4
P MAINTAINING AIRCRAFT PRESSURIZATION SYSTEMS	3	3	4
Q MAINTAINING AUXILIARY AIR AND BLEED AIR DISTRIBUTION SYSTEMS	7	7	5
R MAINTAINING AIRCRAFT LIQUID COOLANT AND LIQUID CYCLE REFRIGERATION SYSTEMS	*	*	*
S MAINTAINING AIRCRAFT AIR-CONDITIONING SYSTEMS	8	8	5
T MAINTAINING MISCELLANEOUS ELECTRICAL AND ENVIRONMENTAL CONTROL SYSTEMS	3	3	*
U PERFORMING MAINTENANCE MANAGEMENT ACTIVITIES	5	5	2
V PERFORMING GENERAL ADMINISTRATIVE, TECHNICAL ORDER (TO) SYSTEM, SUPPLY AND EQUIPMENT ACTIVITIES	2	2	*
W PERFORMING GENERAL AIRCRAFT AND CROSS UTILIZATION TRAINING (CUT) ACTIVITIES	4	3	2
X PERFORMING DEPLOYMENT AND CONTINGENCY ACTIVITIES	*	*	*
Y PERFORMING TRAINING ACTIVITIES	2	2	*
Z PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES	3	2	*

* Indicates less than 1%

TABLE 13 (CONTINUED)

**AVERAGE PERCENT TIME SPENT ON DUTIES
BY 2A6X6 CLUSTER AND JOBS**

DUTIES	LIGHTING/ WARNING SYSTEM JOB (N=22) (STG 294)	FIRST-LINE SUPERVISOR JOB (N=34) (STG 220)	OXYGEN SYSTEMS IJ (N=71) (STG 190)
A PERFORMING AIRCRAFT ELECTRICAL AND ENVIRONMENTAL FUNDAMENTAL MAINTENANCE ACTIVITIES	10	6	14
B MAINTAINING AIRCRAFT POWER AND DISTRIBUTION SYSTEMS	11	7	9
C MAINTAINING ENGINE START AND IGNITION CONTROL SYSTEMS	2	*	1
D MAINTAINING LANDING GEAR SYSTEMS	2	4	2
E MAINTAINING CARGO DOOR AND RAMP SYSTEMS	4	*	*
F MAINTAINING FUEL AND WATER SYSTEMS	5	*	*
G MAINTAINING FLIGHT CONTROL SYSTEMS	*	2	*
H MAINTAINING BATTERIES	1	2	7
I MAINTAINING MASTER CAUTION AND WARNING SYSTEMS	6	1	1
J MAINTAINING ENGINE FIRE OR OVERHEAT WARNING SYSTEMS	4	3	1
K MAINTAINING PYROTECHNIC SYSTEMS	0	*	*
L MAINTAINING LIGHTING SYSTEMS	13	5	4
M MAINTAINING ANTI-ICING SYSTEMS	7	2	1
N MAINTAINING AIRCRAFT FIRE EXTINGUISHING SYSTEMS	5	2	1
O MAINTAINING AIRCRAFT OXYGEN SYSTEMS AND ASSOCIATED EQUIPMENT	0	7	28
P MAINTAINING AIRCRAFT PRESSURIZATION SYSTEMS	0	2	1
Q MAINTAINING AUXILIARY AIR AND BLEED AIR DISTRIBUTION SYSTEMS	*	4	1
R MAINTAINING AIRCRAFT LIQUID COOLANT AND LIQUID CYCLE REFRIGERATION SYSTEMS	0	*	*
S MAINTAINING AIRCRAFT AIR-CONDITIONING SYSTEMS	1	4	1
T MAINTAINING MISCELLANEOUS ELECTRICAL AND ENVIRONMENTAL CONTROL SYSTEMS	2	3	7
U PERFORMING MAINTENANCE MANAGEMENT ACTIVITIES	8	9	5
V PERFORMING GENERAL ADMINISTRATIVE, TECHNICAL ORDER (TO) SYSTEM, SUPPLY AND EQUIPMENT ACTIVITIES	2	6	5
W PERFORMING GENERAL AIRCRAFT AND CROSS UTILIZATION TRAINING (CUT) ACTIVITIES	5	2	1
X PERFORMING DEPLOYMENT AND CONTINGENCY ACTIVITIES	2	4	1
Y PERFORMING TRAINING ACTIVITIES	4	6	2
Z PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES	5	17	5

* Indicates less than 1%

TABLE 13 (CONTINUED)

**AVERAGE PERCENT TIME SPENT ON DUTIES
BY 2A6X6 CLUSTER AND JOBS**

DUTIES	POWER/ DISTRIBUTION SYSTEMS IJ (N=16) (STG 212)	SECTION/ ELEMENT CHIEF IJ (N=65) (STG 243)	INSTRUCTOR IJ (N=49) (STG 81)
A PERFORMING AIRCRAFT ELECTRICAL AND ENVIRONMENTAL FUNDAMENTAL MAINTENANCE ACTIVITIES	27	2	3
B MAINTAINING AIRCRAFT POWER AND DISTRIBUTION SYSTEMS	53	*	3
C MAINTAINING ENGINE START AND IGNITION CONTROL SYSTEMS	*	0	*
D MAINTAINING LANDING GEAR SYSTEMS	4	*	2
E MAINTAINING CARGO DOOR AND RAMP SYSTEMS	*	0	*
F MAINTAINING FUEL AND WATER SYSTEMS	1	*	*
G MAINTAINING FLIGHT CONTROL SYSTEMS	*	*	*
H MAINTAINING BATTERIES	*	*	*
I MAINTAINING MASTER CAUTION AND WARNING SYSTEMS	*	*	*
J MAINTAINING ENGINE FIRE OR OVERHEAT WARNING SYSTEMS	2	*	*
K MAINTAINING PYROTECHNIC SYSTEMS	*	0	0
L MAINTAINING LIGHTING SYSTEMS	2	*	*
M MAINTAINING ANTI-ICING SYSTEMS	0	*	*
N MAINTAINING AIRCRAFT FIRE EXTINGUISHING SYSTEMS	0	*	1
O MAINTAINING AIRCRAFT OXYGEN SYSTEMS AND ASSOCIATED EQUIPMENT	2	1	2
P MAINTAINING AIRCRAFT PRESSURIZATION SYSTEMS	*	*	1
Q MAINTAINING AUXILIARY AIR AND BLEED AIR DISTRIBUTION SYSTEMS	3	*	2
R MAINTAINING AIRCRAFT LIQUID COOLANT AND LIQUID CYCLE REFRIGERATION SYSTEMS	*	*	*
S MAINTAINING AIRCRAFT AIR-CONDITIONING SYSTEMS	*	*	2
T MAINTAINING MISCELLANEOUS ELECTRICAL AND ENVIRONMENTAL CONTROL SYSTEMS	*	*	*
U PERFORMING MAINTENANCE MANAGEMENT ACTIVITIES	*	10	3
V PERFORMING GENERAL ADMINISTRATIVE, TECHNICAL ORDER (TO) SYSTEM, SUPPLY AND EQUIPMENT ACTIVITIES	0	11	6
W PERFORMING GENERAL AIRCRAFT AND CROSS UTILIZATION TRAINING (CUT) ACTIVITIES	*	*	1
X PERFORMING DEPLOYMENT AND CONTINGENCY ACTIVITIES	*	6	*
Y PERFORMING TRAINING ACTIVITIES	*	15	45
Z PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES	*	54	25

* Indicates less than 1%

TABLE 13 (CONTINUED)

**AVERAGE PERCENT TIME SPENT ON DUTIES
BY 2A6X6 CLUSTER AND JOBS**

DUTIES	QUALITY ASSURANCE IJ (N=20) (STG 191)	EXPEDITOR/ PRODUCTION SUPERINTENDENT IJ (N=15) (STG 133)
A PERFORMING AIRCRAFT ELECTRICAL AND ENVIRONMENTAL FUNDAMENTAL MAINTENANCE ACTIVITIES	3	*
B MAINTAINING AIRCRAFT POWER AND DISTRIBUTION SYSTEMS	5	*
C MAINTAINING ENGINE START AND IGNITION CONTROL SYSTEMS	1	*
D MAINTAINING LANDING GEAR SYSTEMS	3	*
E MAINTAINING CARGO DOOR AND RAMP SYSTEMS	1	*
F MAINTAINING FUEL AND WATER SYSTEMS	1	*
G MAINTAINING FLIGHT CONTROL SYSTEMS	3	*
H MAINTAINING BATTERIES	1	0
I MAINTAINING MASTER CAUTION AND WARNING SYSTEMS	2	*
J MAINTAINING ENGINE FIRE OR OVERHEAT WARNING SYSTEMS	2	*
K MAINTAINING PYROTECHNIC SYSTEMS	*	0
L MAINTAINING LIGHTING SYSTEMS	3	*
M MAINTAINING ANTI-ICING SYSTEMS	2	*
N MAINTAINING AIRCRAFT FIRE EXTINGUISHING SYSTEMS	2	*
O MAINTAINING AIRCRAFT OXYGEN SYSTEMS AND ASSOCIATED EQUIPMENT	5	*
P MAINTAINING AIRCRAFT PRESSURIZATION SYSTEMS	2	*
Q MAINTAINING AUXILIARY AIR AND BLEED AIR DISTRIBUTION SYSTEMS	4	*
R MAINTAINING AIRCRAFT LIQUID COOLANT AND LIQUID CYCLE REFRIGERATION SYSTEMS	*	0
S MAINTAINING AIRCRAFT AIR-CONDITIONING SYSTEMS	4	*
T MAINTAINING MISCELLANEOUS ELECTRICAL AND ENVIRONMENTAL CONTROL SYSTEMS	3	*
U PERFORMING MAINTENANCE MANAGEMENT ACTIVITIES	19	35
V PERFORMING GENERAL ADMINISTRATIVE, TECHNICAL ORDER (TO) SYSTEM, SUPPLY AND EQUIPMENT ACTIVITIES	7	17
W PERFORMING GENERAL AIRCRAFT AND CROSS UTILIZATION TRAINING (CUT) ACTIVITIES	3	5
X PERFORMING DEPLOYMENT AND CONTINGENCY ACTIVITIES	1	5
Y PERFORMING TRAINING ACTIVITIES	5	3
Z PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES	17	34

* Indicates less than 1%

TABLE 14

SPECIALTY JOB COMPARISON BETWEEN CURRENT AND 2000 SURVEYS

PRESENT SURVEY (N=1,818)		2000 SURVEY (N=1,665)	
ELECTRICAL AND ENVIRONMENTAL SYSTEMS CORE CLUSTER	74%	ELECTRICAL AND ENVIRONMENTAL SYSTEMS CORE CLUSTER	74%
ELECTRICAL AND ENVIRONMENTAL SYSTEMS JOB	61%	*	
ENTRY-LEVEL ELECTRICAL AND ENVIRONMENTAL SYSTEMS JOB	3%	LANDING GEAR SYSTEMS IJ	3%
LIGHTING/WARNING SYSTEM JOB	1%	LIGHTING SYSTEMS IJ	<1%
		FIRE OR OVERHEAT SYSTEMS IJ	<1%
FIRST-LINE SUPERVISOR JOB	2%	FIRST-LINE SUPERVISOR JOB (ELECTRICAL AND ENVIRONMENTAL SYSTEMS CORE CLUSTER)	2%
OXYGEN SYSTEMS IJ	4%	LOX/BATTERY IJ	5%
		ENTRY-LEVEL OXYGEN SYSTEMS IJ	<1%
		OXYGEN EQUIPMENT MAINTENANCE IJ	<1%
POWER AND DISTRIBUTION SYSTEMS IJ	<1%	POWER AND DISTRIBUTION SYSTEMS IJ	1%
SECTION/ELEMENT CHIEF IJ	4%	SUPERINTENDENT JOB (SUPERVISOR CLUSTER)	4%
INSTRUCTOR IJ	3%	INSTRUCTOR IJ	2%
QUALITY ASSURANCE IJ	1%	QUALITY ASSURANCE JOB (SUPERVISOR CLUSTER)	1%
EXPEDITOR/PRODUCTION SUPERINTENDENT IJ	<1%	MAINTENANCE MANAGEMENT IJ	<1%
*		AIR CONDITIONING SYSTEMS IJ	<1%

* Indicates job not found in study

TABLE 15

**DISTRIBUTION OF AFSC 2A6X6 SKILL-LEVEL MEMBERS
ACROSS CAREER LADDER JOBS (PERCENT IN EACH JOB)**

CLUSTER/INDEPENDENT JOB	2A636 (N=338)	2A656 (N=752)	2A676 (N=728)
ELECTRICAL AND ENVIRONMENTAL SYSTEMS CORE CLUSTER	70	79	71
ELECTRICAL AND ENVIRONMENTAL SYSTEMS JOB	48	67	62
ENTRY-LEVEL ELECTRICAL AND ENVIRONMENTAL SYSTEMS JOB	7	3	*
LIGHTING/WARNING SYSTEM JOB	2	*	1
FIRST-LINE SUPERVISOR JOB	0	*	4
OXYGEN SYSTEMS INDEPENDENT JOB	7	5	2
POWER AND DISTRIBUTION SYSTEMS INDEPENDENT JOB	2	1	*
SECTION/ELEMENT CHIEF INDEPENDENT JOB	0	*	9
INSTRUCTOR INDEPENDENT JOB	0	2	5
QUALITY ASSURANCE INDEPENDENT JOB	0	*	3
EXPEDITOR/PRODUCTION SUPERINTENDENT INDEPENDENT JOB	0	*	2
NOT GROUPED	21	12	7

* Indicates less than 1%

TABLE 16

**TIME SPENT ON DUTIES BY MEMBERS OF AFSC 2A6X6 SKILL-LEVEL GROUPS
(PERCENT RESPONDING)**

DUTIES	2A636 (N=338)	2A656 (N=752)	2A676 (N=728)
A PERFORMING AIRCRAFT ELECTRICAL AND ENVIRONMENTAL FUNDAMENTAL MAINTENANCE ACTIVITIES	12	10	7
B MAINTAINING AIRCRAFT POWER AND DISTRIBUTION SYSTEMS	13	11	7
C MAINTAINING ENGINE START AND IGNITION CONTROL SYSTEMS	1	1	1
D MAINTAINING LANDING GEAR SYSTEMS	6	6	4
E MAINTAINING CARGO DOOR AND RAMP SYSTEMS	1	1	1
F MAINTAINING FUEL AND WATER SYSTEMS	1	1	1
G MAINTAINING FLIGHT CONTROL SYSTEMS	2	2	2
H MAINTAINING BATTERIES	3	2	2
I MAINTAINING MASTER CAUTION AND WARNING SYSTEMS	3	2	2
J MAINTAINING ENGINE FIRE OR OVERHEAT WARNING SYSTEMS	4	4	3
K MAINTAINING PYROTECHNIC SYSTEMS	*	*	*
L MAINTAINING LIGHTING SYSTEMS	8	7	5
M MAINTAINING ANTI-ICING SYSTEMS	3	3	3
N MAINTAINING AIRCRAFT FIRE EXTINGUISHING SYSTEMS	3	3	2
O MAINTAINING AIRCRAFT OXYGEN SYSTEMS AND ASSOCIATED EQUIPMENT	11	9	6
P MAINTAINING AIRCRAFT PRESSURIZATION SYSTEMS	3	3	2
Q MAINTAINING AUXILIARY AIR AND BLEED AIR DISTRIBUTION SYSTEMS	6	6	5
R MAINTAINING AIRCRAFT LIQUID COOLANT AND LIQUID CYCLE REFRIGERATION SYSTEMS	1	1	*
S MAINTAINING AIRCRAFT AIR-CONDITIONING SYSTEMS	7	7	6
T MAINTAINING MISCELLANEOUS ELECTRICAL AND ENVIRONMENTAL CONTROL SYSTEMS	3	2	2
U PERFORMING MAINTENANCE MANAGEMENT ACTIVITIES	3	5	7
V PERFORMING GENERAL ADMINISTRATIVE, TECHNICAL ORDER (TO) SYSTEM, SUPPLY AND EQUIPMENT ACTIVITIES	1	2	4
W PERFORMING GENERAL AIRCRAFT AND CROSS UTILIZATION TRAINING (CUT) ACTIVITIES	3	3	3
X PERFORMING DEPLOYMENT AND CONTINGENCY ACTIVITIES	*	1	2
Y PERFORMING TRAINING ACTIVITIES	1	3	7
Z PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES	*	4	14

* Indicates less than 1%

TABLE 17

TIME SPENT ON DUTIES BY AD MEMBERS OF AFSC 2A6X6 SKILL-LEVEL GROUPS
(PERCENT RESPONDING)

DUTIES	AD 2A636 (N=285)	AD 2A656 (N=472)	AD 2A676 (N=329)
A PERFORMING AIRCRAFT ELECTRICAL AND ENVIRONMENTAL FUNDAMENTAL MAINTENANCE ACTIVITIES	12	10	6
B MAINTAINING AIRCRAFT POWER AND DISTRIBUTION SYSTEMS	13	11	6
C MAINTAINING ENGINE START AND IGNITION CONTROL SYSTEMS	1	*	*
D MAINTAINING LANDING GEAR SYSTEMS	6	6	3
E MAINTAINING CARGO DOOR AND RAMP SYSTEMS	1	1	*
F MAINTAINING FUEL AND WATER SYSTEMS	2	1	1
G MAINTAINING FLIGHT CONTROL SYSTEMS	2	2	1
H MAINTAINING BATTERIES	3	2	1
I MAINTAINING MASTER CAUTION AND WARNING SYSTEMS	3	3	2
J MAINTAINING ENGINE FIRE OR OVERHEAT WARNING SYSTEMS	4	4	2
K MAINTAINING PYROTECHNIC SYSTEMS	*	*	*
L MAINTAINING LIGHTING SYSTEMS	8	7	3
M MAINTAINING ANTI-ICING SYSTEMS	3	3	2
N MAINTAINING AIRCRAFT FIRE EXTINGUISHING SYSTEMS	3	2	1
O MAINTAINING AIRCRAFT OXYGEN SYSTEMS AND ASSOCIATED EQUIPMENT	11	9	5
P MAINTAINING AIRCRAFT PRESSURIZATION SYSTEMS	3	2	1
Q MAINTAINING AUXILIARY AIR AND BLEED AIR DISTRIBUTION SYSTEMS	6	6	3
R MAINTAINING AIRCRAFT LIQUID COOLANT AND LIQUID CYCLE REFRIGERATION SYSTEMS	1	*	*
S MAINTAINING AIRCRAFT AIR-CONDITIONING SYSTEMS	6	6	3
T MAINTAINING MISCELLANEOUS ELECTRICAL AND ENVIRONMENTAL CONTROL SYSTEMS	3	3	2
U PERFORMING MAINTENANCE MANAGEMENT ACTIVITIES	3	5	9
V PERFORMING GENERAL ADMINISTRATIVE, TECHNICAL ORDER (TO) SYSTEM, SUPPLY AND EQUIPMENT ACTIVITIES	2	3	6
W PERFORMING GENERAL AIRCRAFT AND CROSS UTILIZATION TRAINING (CUT) ACTIVITIES	3	4	2
X PERFORMING DEPLOYMENT AND CONTINGENCY ACTIVITIES	*	*	3
Y PERFORMING TRAINING ACTIVITIES	*	4	11
Z PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES	*	4	25

* Indicates less than 1%

TABLE 18

REPRESENTATIVE TASKS PERFORMED BY AD DAFSC 2A636 PERSONNEL

TASKS	AVERAGE NUMBER OF TASKS PERFORMED 157	PERCENT MEMBERS PERFORMING (N=285)
A0017	Crimp splices, terminals, or pins to wires	92
B0062	Perform operational checks of DC power systems	80
B0060	Perform operational checks of AC power systems	79
B0068	Remove or install DC power components	78
A0004	Assemble or disassemble connector plugs	77
B0066	Remove or install AC power components	77
B0081	Troubleshoot AC power malfunctions	76
A0028	Inspect wire bundles or harnesses	75
B0083	Troubleshoot DC power malfunctions	74
A0011	Clean connector plugs	73
L0431	Remove or install exterior lighting system components	72
A0026	Inspect electrical bonds or grounds	70
L0426	Perform operational checks of exterior lighting systems	70
A0038	Remove or install line replaceable units (LRUs), such as control boxes, relays, or valves	69
L0441	Troubleshoot exterior lighting system malfunctions	69
A0032	Perform time compliance technical order (TCTO) modifications	69
B0064	Perform operational checks of external power systems	68
B0063	Perform operational checks of emergency power systems	67
L0433	Remove or install interior lighting system components	67
B0085	Troubleshoot external power system malfunctions	67
L0428	Perform operational checks of interior lighting systems	66
D0138	Perform operational checks of anti-skid systems	66
J0392	Remove or install engine fire or overheat detection system components	66
A0033	Perform soldering on solid-state components or conventional devices	64
L0443	Troubleshoot interior lighting system malfunctions	64
B0056	Inspect DC power components	63
B0070	Remove or install external power components	63
D0147	Remove or install anti-skid system components	63
A0003	Apply sealant to connectors, relays, and fixtures	62
A0039	Remove or install pneumatically operated valves	61
B0054	Inspect AC power components	61
L0425	Perform operational checks of emergency lighting systems	61
L0430	Remove or install emergency lighting system components	61
J0393	Remove or install fire warning detection system components	61
B0084	Troubleshoot emergency power malfunctions, other than batteries	60
J0391	Perform operational checks of fire warning detection systems	60
L0440	Troubleshoot emergency lighting system malfunctions	60
J0390	Perform operational checks of engine fire or overheat warning systems	60
D0164	Troubleshoot anti-skid system malfunctions	58
J0396	Troubleshoot engine fire or overheat detection system malfunctions	58
S0681	Perform operational checks of air-conditioning systems	57
S0687	Remove or install air-conditioning system components	57
J0397	Troubleshoot fire warning detection system malfunctions	57

TABLE 19

REPRESENTATIVE TASKS PERFORMED BY AD DAFSC 2A656 PERSONNEL

TASKS	AVERAGE NUMBER OF TASKS PERFORMED 201	PERCENT MEMBERS PERFORMING (N=472)
A0017	Crimp splices, terminals, or pins to wires	89
A0011	Clean connector plugs	83
A0004	Assemble or disassemble connector plugs	82
B0062	Perform operational checks of DC power systems	82
B0060	Perform operational checks of AC power systems	81
A0028	Inspect wire bundles or harnesses	80
B0066	Remove or install AC power components	79
B0068	Remove or install DC power components	78
B0064	Perform operational checks of external power systems	77
B0081	Troubleshoot AC power malfunctions	77
B0083	Troubleshoot DC power malfunctions	77
L0426	Perform operational checks of exterior lighting systems	76
A0038	Remove or install line replaceable units (LRUs), such as control boxes, relays, or valves	75
A0026	Inspect electrical bonds or grounds	75
B0085	Troubleshoot external power system malfunctions	75
L0441	Troubleshoot exterior lighting system malfunctions	74
B0070	Remove or install external power components	74
B0056	Inspect DC power components	72
B0054	Inspect AC power components	72
L0428	Perform operational checks of interior lighting systems	72
L0431	Remove or install exterior lighting system components	72
D0138	Perform operational checks of anti-skid systems	72
S0687	Remove or install air-conditioning system components	71
L0421	Inspect exterior lighting system components	71
L0443	Troubleshoot interior lighting system malfunctions	71
J0392	Remove or install engine fire or overheat detection system components	71
A0032	Perform time compliance technical order (TCTO) modifications	70
L0433	Remove or install interior lighting system components	70
D0147	Remove or install anti-skid system components	70
S0681	Perform operational checks of air-conditioning systems	69
B0063	Perform operational checks of emergency power systems	69
J0390	Perform operational checks of engine fire or overheat warning systems	69
J0393	Remove or install fire warning detection system components	69
J0396	Troubleshoot engine fire or overheat detection system malfunctions	69
A0039	Remove or install pneumatically operated valves	68
J0391	Perform operational checks of fire warning detection systems	68
J0397	Troubleshoot fire warning detection system malfunctions	68
S0677	Perform leakage checks of air-conditioning systems	67
Q0611	Perform operational checks of bleed air distribution systems	67
D0164	Troubleshoot anti-skid system malfunctions	67
S0700	Troubleshoot air-conditioning system malfunctions	66
D0129	Inspect anti-skid system components	66
Y0963	Conduct on-the-job training (OJT)	65
Q0631	Troubleshoot bleed air distribution system malfunctions	65
B0084	Troubleshoot emergency power malfunctions, other than batteries	65

TABLE 20

REPRESENTATIVE TASKS PERFORMED BY AD DAFSC 2A676 PERSONNEL

TASKS	AVERAGE NUMBER OF TASKS PERFORMED 161	PERCENT MEMBERS PERFORMING (N=329)
Z0990	Counsel subordinates concerning personal matters	76
Z1017	Inspect personnel for compliance with military standards	73
Y0964	Counsel trainees on training progress	69
Z0988	Conduct supervisory performance feedback sessions	69
Z1009	Evaluate personnel for compliance with performance standards	67
Z0992	Determine or establish work assignments or priorities	67
Y0975	Maintain training records or files	67
Y0963	Conduct on-the-job training (OJT)	66
Z1030	Write or indorse military performance reports	65
Z1031	Write recommendations for awards or decorations	65
Z1018	Interpret policies, directives, or procedures for subordinates	63
Y0965	Determine training requirements	63
Y0973	Evaluate progress of trainees	60
Z0987	Conduct supervisory orientations for newly assigned personnel	60
Y0960	Brief personnel concerning training programs or matters	59
Z0985	Conduct self-inspections or self-assessments	59
Z0981	Assign personnel to work areas or duty positions	58
U0805	Clear Red-X conditions	58
A0017	Crimp splices, terminals, or pins to wires	58
A0028	Inspect wire bundles or harnesses	58
Z1004	Establish performance standards for subordinates	55
U0822	Review aircraft flight or maintenance records, such as AFTO Forms 781 series	54
A0004	Assemble or disassemble connector plugs	54
Z1010	Evaluate personnel for promotion, demotion, reclassification, or special awards	52
U0814	Initiate or annotate aircraft flight or maintenance records, such as AFTO Forms 781 series	52
U0813	Initiate technical order (TO) improvement reports	52
A0011	Clean connector plugs	52
A0026	Inspect electrical bonds or grounds	52
B0060	Perform operational checks of AC power systems	51
B0062	Perform operational checks of DC power systems	51
U0818	Perform maintenance activity inspections or self-inspections	50
B0056	Inspect DC power components	50
L0421	Inspect exterior lighting system components	50
B0064	Perform operational checks of external power systems	50
U0809	Evaluate maintenance procedures	49
B0081	Troubleshoot AC power malfunctions	49
B0066	Remove or install AC power components	49
Z0984	Conduct safety inspections of equipment or facilities	48
A0027	Inspect test equipment	48
A0038	Remove or install line replaceable units (LRUs), such as control boxes, relays, or valves	48
B0083	Troubleshoot DC power malfunctions	48
B0058	Inspect external power components	48
B0085	Troubleshoot external power system malfunctions	48

TABLE 21

**TIME SPENT ON DUTIES BY ANG MEMBERS OF AFSC 2A6X6 SKILL-LEVEL GROUPS
(PERCENT RESPONDING)**

DUTIES	ANG 2A636 (N=33)	ANG 2A656 (N=174)	ANG 2A676 (N=196)
A PERFORMING AIRCRAFT ELECTRICAL AND ENVIRONMENTAL FUNDAMENTAL MAINTENANCE ACTIVITIES	15	11	9
B MAINTAINING AIRCRAFT POWER AND DISTRIBUTION SYSTEMS	13	12	9
C MAINTAINING ENGINE START AND IGNITION CONTROL SYSTEMS	1	1	2
D MAINTAINING LANDING GEAR SYSTEMS	5	7	6
E MAINTAINING CARGO DOOR AND RAMP SYSTEMS	1	1	1
F MAINTAINING FUEL AND WATER SYSTEMS	*	1	1
G MAINTAINING FLIGHT CONTROL SYSTEMS	1	2	2
H MAINTAINING BATTERIES	3	4	3
I MAINTAINING MASTER CAUTION AND WARNING SYSTEMS	2	2	3
J MAINTAINING ENGINE FIRE OR OVERHEAT WARNING SYSTEMS	4	4	4
K MAINTAINING PYROTECHNIC SYSTEMS	*	*	*
L MAINTAINING LIGHTING SYSTEMS	10	9	8
M MAINTAINING ANTI-ICING SYSTEMS	4	3	3
N MAINTAINING AIRCRAFT FIRE EXTINGUISHING SYSTEMS	4	2	2
O MAINTAINING AIRCRAFT OXYGEN SYSTEMS AND ASSOCIATED EQUIPMENT	9	9	8
P MAINTAINING AIRCRAFT PRESSURIZATION SYSTEMS	3	4	3
Q MAINTAINING AUXILIARY AIR AND BLEED AIR DISTRIBUTION SYSTEMS	5	7	6
R MAINTAINING AIRCRAFT LIQUID COOLANT AND LIQUID CYCLE REFRIGERATION SYSTEMS	*	*	*
S MAINTAINING AIRCRAFT AIR-CONDITIONING SYSTEMS	9	8	7
T MAINTAINING MISCELLANEOUS ELECTRICAL AND ENVIRONMENTAL CONTROL SYSTEMS	2	2	3
U PERFORMING MAINTENANCE MANAGEMENT ACTIVITIES	4	3	6
V PERFORMING GENERAL ADMINISTRATIVE, TECHNICAL ORDER (TO) SYSTEM, SUPPLY AND EQUIPMENT ACTIVITIES	2	2	3
W PERFORMING GENERAL AIRCRAFT AND CROSS UTILIZATION TRAINING (CUT) ACTIVITIES	1	2	2
X PERFORMING DEPLOYMENT AND CONTINGENCY ACTIVITIES	*	1	1
Y PERFORMING TRAINING ACTIVITIES	*	*	3
Z PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES	*	*	4

* Indicates less than 1%

TABLE 22

REPRESENTATIVE TASKS PERFORMED BY ANG DAFSC 2A636 PERSONNEL

TASKS	AVERAGE NUMBER OF TASKS PERFORMED	PERCENT MEMBERS PERFORMING (N=33)
A0017	Crimp splices, terminals, or pins to wires	97
A0028	Inspect wire bundles or harnesses	91
A0026	Inspect electrical bonds or grounds	88
A0004	Assemble or disassemble connector plugs	85
B0062	Perform operational checks of DC power systems	85
A0011	Clean connector plugs	82
S0681	Perform operational checks of air-conditioning systems	79
B0060	Perform operational checks of AC power systems	79
A0033	Perform soldering on solid-state components or conventional devices	79
L0426	Perform operational checks of exterior lighting systems	76
B0066	Remove or install AC power components	76
L0431	Remove or install exterior lighting system components	76
L0433	Remove or install interior lighting system components	76
B0068	Remove or install DC power components	76
B0081	Troubleshoot AC power malfunctions	76
H0316	Remove or install batteries	73
L0421	Inspect exterior lighting system components	73
A0038	Remove or install line replaceable units (LRUs), such as control boxes, relays, or valves	73
S0687	Remove or install air-conditioning system components	73
B0083	Troubleshoot DC power malfunctions	73
B0063	Perform operational checks of emergency power systems	73
S0671	Inspect air-conditioning system components	70
L0423	Inspect interior lighting system components	70
A0032	Perform time compliance technical order (TCTO) modifications	70
L0443	Troubleshoot interior lighting system malfunctions	70
H0311	Inspect batteries	70
L0441	Troubleshoot exterior lighting system malfunctions	70
B0056	Inspect DC power components	70
B0054	Inspect AC power components	70
L0428	Perform operational checks of interior lighting systems	67
B0064	Perform operational checks of external power systems	67
D0147	Remove or install anti-skid system components	67
L0413	Assemble or disassemble exterior lighting systems	67
L0414	Assemble or disassemble interior lighting systems	67
A0003	Apply sealant to connectors, relays, and fixtures	67
S0682	Perform operational checks of cabin heating systems	64
D0138	Perform operational checks of anti-skid systems	64
B0061	Perform operational checks of battery charger systems	64
J0386	Inspect engine fire or overheat detection systems	61
S0677	Perform leakage checks of air-conditioning systems	61
B0067	Remove or install battery charger components	61
B0052	Bench check DC power components	61
D0129	Inspect anti-skid system components	58
S0700	Troubleshoot air-conditioning system malfunctions	58

TABLE 23

REPRESENTATIVE TASKS PERFORMED BY ANG DAFSC 2A656 PERSONNEL

TASKS	AVERAGE NUMBER OF TASKS PERFORMED 229	PERCENT MEMBERS PERFORMING (N=174)
A0017	Crimp splices, terminals, or pins to wires	93
B0062	Perform operational checks of DC power systems	93
B0060	Perform operational checks of AC power systems	93
A0028	Inspect wire bundles or harnesses	91
A0026	Inspect electrical bonds or grounds	91
B0068	Remove or install DC power components	90
L0431	Remove or install exterior lighting system components	90
A0011	Clean connector plugs	89
B0081	Troubleshoot AC power malfunctions	89
B0083	Troubleshoot DC power malfunctions	89
B0066	Remove or install AC power components	88
A0004	Assemble or disassemble connector plugs	87
L0426	Perform operational checks of exterior lighting systems	87
L0441	Troubleshoot exterior lighting system malfunctions	86
L0433	Remove or install interior lighting system components	86
H0316	Remove or install batteries	85
B0061	Perform operational checks of battery charger systems	84
B0064	Perform operational checks of external power systems	83
B0063	Perform operational checks of emergency power systems	83
A0032	Perform time compliance technical order (TCTO) modifications	83
L0443	Troubleshoot interior lighting system malfunctions	83
L0428	Perform operational checks of interior lighting systems	82
D0129	Inspect anti-skid system components	82
L0421	Inspect exterior lighting system components	82
D0138	Perform operational checks of anti-skid systems	81
S0681	Perform operational checks of air-conditioning systems	81
B0085	Troubleshoot external power system malfunctions	81
A0038	Remove or install line replaceable units (LRUs), such as control boxes, relays, or valves	80
B0056	Inspect DC power components	80
D0164	Troubleshoot anti-skid system malfunctions	80
S0687	Remove or install air-conditioning system components	79
D0147	Remove or install anti-skid system components	79
J0392	Remove or install engine fire or overheat detection system components	79
S0671	Inspect air-conditioning system components	78
P0572	Perform leakage checks of cabin or cargo pressurization systems	78
S0700	Troubleshoot air-conditioning system malfunctions	78
B0054	Inspect AC power components	78
B0055	Inspect battery charger systems	78
L0423	Inspect interior lighting system components	77
H0311	Inspect batteries	77
L0414	Assemble or disassemble interior lighting systems	77
P0575	Perform operational checks of cabin or cargo pressurization systems	76
A0033	Perform soldering on solid-state components or conventional devices	76
L0436	Repair exterior lighting system components	76

TABLE 24

REPRESENTATIVE TASKS PERFORMED BY ANG DAFSC 2A676 PERSONNEL

TASKS	AVERAGE NUMBER OF TASKS PERFORMED 305	PERCENT MEMBERS PERFORMING (N=196)
A0028	Inspect wire bundles or harnesses	96
B0081	Troubleshoot AC power malfunctions	95
B0062	Perform operational checks of DC power systems	95
A0017	Crimp splices, terminals, or pins to wires	94
L0426	Perform operational checks of exterior lighting systems	94
D0129	Inspect anti-skid system components	94
B0060	Perform operational checks of AC power systems	94
B0083	Troubleshoot DC power malfunctions	94
L0441	Troubleshoot exterior lighting system malfunctions	93
A0026	Inspect electrical bonds or grounds	93
L0431	Remove or install exterior lighting system components	93
A0004	Assemble or disassemble connector plugs	93
B0066	Remove or install AC power components	93
A0011	Clean connector plugs	93
L0421	Inspect exterior lighting system components	92
B0064	Perform operational checks of external power systems	92
B0085	Troubleshoot external power system malfunctions	92
D0138	Perform operational checks of anti-skid systems	91
A0032	Perform time compliance technical order (TCTO) modifications	91
B0056	Inspect DC power components	91
B0068	Remove or install DC power components	91
L0428	Perform operational checks of interior lighting systems	90
J0386	Inspect engine fire or overheat detection systems	90
L0443	Troubleshoot interior lighting system malfunctions	90
L0433	Remove or install interior lighting system components	90
L0413	Assemble or disassemble exterior lighting systems	90
S0671	Inspect air-conditioning system components	89
L0414	Assemble or disassemble interior lighting systems	89
Q0598	Inspect bleed air distribution systems	88
D0147	Remove or install anti-skid system components	88
U0819	Perform TCTO inspections	88
S0687	Remove or install air-conditioning system components	87
S0700	Troubleshoot air-conditioning system malfunctions	87
B0054	Inspect AC power components	87
L0423	Inspect interior lighting system components	87
J0392	Remove or install engine fire or overheat detection system components	87
A0038	Remove or install line replaceable units (LRUs), such as control boxes, relays, or valves	86
J0396	Troubleshoot engine fire or overheat detection system malfunctions	86
B0070	Remove or install external power components	86
S0681	Perform operational checks of air-conditioning systems	85
D0164	Troubleshoot anti-skid system malfunctions	85
B0061	Perform operational checks of battery charger systems	85
H0311	Inspect batteries	85
J0390	Perform operational checks of engine fire or overheat warning systems	85

TABLE 25

**TIME SPENT ON DUTIES BY AFRC MEMBERS OF AFSC 2A6X6 SKILL-LEVEL GROUPS
(PERCENT RESPONDING)**

DUTIES	AFRC 2A636 (N=20)	AFRC 2A656 (N=106)	AFRC 2A676 (N=203)
A PERFORMING AIRCRAFT ELECTRICAL AND ENVIRONMENTAL FUNDAMENTAL MAINTENANCE ACTIVITIES	11	12	8
B MAINTAINING AIRCRAFT POWER AND DISTRIBUTION SYSTEMS	11	13	8
C MAINTAINING ENGINE START AND IGNITION CONTROL SYSTEMS	1	1	1
D MAINTAINING LANDING GEAR SYSTEMS	5	6	5
E MAINTAINING CARGO DOOR AND RAMP SYSTEMS	3	2	2
F MAINTAINING FUEL AND WATER SYSTEMS	1	2	1
G MAINTAINING FLIGHT CONTROL SYSTEMS	3	3	3
H MAINTAINING BATTERIES	2	3	2
I MAINTAINING MASTER CAUTION AND WARNING SYSTEMS	3	2	3
J MAINTAINING ENGINE FIRE OR OVERHEAT WARNING SYSTEMS	6	5	4
K MAINTAINING PYROTECHNIC SYSTEMS	*	*	*
L MAINTAINING LIGHTING SYSTEMS	11	7	6
M MAINTAINING ANTI-ICING SYSTEMS	3	3	4
N MAINTAINING AIRCRAFT FIRE EXTINGUISHING SYSTEMS	6	4	4
O MAINTAINING AIRCRAFT OXYGEN SYSTEMS AND ASSOCIATED EQUIPMENT	7	7	7
P MAINTAINING AIRCRAFT PRESSURIZATION SYSTEMS	3	2	2
Q MAINTAINING AUXILIARY AIR AND BLEED AIR DISTRIBUTION SYSTEMS	6	7	6
R MAINTAINING AIRCRAFT LIQUID COOLANT AND LIQUID CYCLE REFRIGERATION SYSTEMS	*	*	*
S MAINTAINING AIRCRAFT AIR-CONDITIONING SYSTEMS	10	8	8
T MAINTAINING MISCELLANEOUS ELECTRICAL AND ENVIRONMENTAL CONTROL SYSTEMS	2	3	3
U PERFORMING MAINTENANCE MANAGEMENT ACTIVITIES	3	3	6
V PERFORMING GENERAL ADMINISTRATIVE, TECHNICAL ORDER (TO) SYSTEM, SUPPLY AND EQUIPMENT ACTIVITIES	*	1	3
W PERFORMING GENERAL AIRCRAFT AND CROSS UTILIZATION TRAINING (CUT) ACTIVITIES	1	3	3
X PERFORMING DEPLOYMENT AND CONTINGENCY ACTIVITIES	*	*	1
Y PERFORMING TRAINING ACTIVITIES	*	*	3
Z PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES	0	*	6

* Indicates less than 1%

TABLE 26

REPRESENTATIVE TASKS PERFORMED BY AFRC DAFSC 2A636 PERSONNEL

TASKS	AVERAGE NUMBER OF TASKS PERFORMED	PERCENT MEMBERS PERFORMING
	<i>188</i>	<i>(N=20)</i>
A0017	Crimp splices, terminals, or pins to wires	95
L0425	Perform operational checks of emergency lighting systems	90
A0038	Remove or install line replaceable units (LRUs), such as control boxes, relays, or valves	90
B0060	Perform operational checks of AC power systems	90
B0062	Perform operational checks of DC power systems	90
J0392	Remove or install engine fire or overheat detection system components	90
L0428	Perform operational checks of interior lighting systems	90
S0687	Remove or install air-conditioning system components	85
B0063	Perform operational checks of emergency power systems	85
L0430	Remove or install emergency lighting system components	85
N0482	Perform operational checks of aircraft fire extinguishing systems	85
L0431	Remove or install exterior lighting system components	85
B0066	Remove or install AC power components	85
L0426	Perform operational checks of exterior lighting systems	85
L0433	Remove or install interior lighting system components	80
L0420	Inspect emergency lighting system components	80
L0423	Inspect interior lighting system components	80
B0064	Perform operational checks of external power systems	80
L0421	Inspect exterior lighting system components	80
B0068	Remove or install DC power components	80
B0083	Troubleshoot DC power malfunctions	80
A0026	Inspect electrical bonds or grounds	75
N0486	Remove or install squib system components	75
J0393	Remove or install fire warning detection system components	75
S0700	Troubleshoot air-conditioning system malfunctions	75
J0386	Inspect engine fire or overheat detection systems	75
L0443	Troubleshoot interior lighting system malfunctions	75
L0441	Troubleshoot exterior lighting system malfunctions	75
B0081	Troubleshoot AC power malfunctions	75
N0484	Remove or install aircraft fire extinguishing system components	75
A0011	Clean connector plugs	75
D0138	Perform operational checks of anti-skid systems	75
S0681	Perform operational checks of air-conditioning systems	70
S0677	Perform leakage checks of air-conditioning systems	70
A0028	Inspect wire bundles or harnesses	70
L0440	Troubleshoot emergency lighting system malfunctions	70
I0349	Perform operational checks of master caution and warning systems	70
J0381	Adjust engine fire or overheat detection components	70
B0054	Inspect AC power components	70
N0492	Troubleshoot Squib system malfunctions	70
D0129	Inspect anti-skid system components	70
A0032	Perform time compliance technical order (TCTO) modifications	65
P0584	Troubleshoot cabin or cargo pressurization system malfunctions	65
P0578	Remove or install cabin or cargo pressurization system components	65

TABLE 27

REPRESENTATIVE TASKS PERFORMED BY AFRC DAFSC 2A656 PERSONNEL

TASKS	AVERAGE NUMBER OF TASKS PERFORMED 198	PERCENT MEMBERS PERFORMING (N=106)
A0017	Crimp splices, terminals, or pins to wires	91
A0028	Inspect wire bundles or harnesses	91
B0060	Perform operational checks of AC power systems	87
B0062	Perform operational checks of DC power systems	86
B0066	Remove or install AC power components	86
B0081	Troubleshoot AC power malfunctions	83
A0004	Assemble or disassemble connector plugs	83
A0011	Clean connector plugs	83
A0038	Remove or install line replaceable units (LRUs), such as control boxes, relays, or valves	82
A0026	Inspect electrical bonds or grounds	82
B0068	Remove or install DC power components	82
B0083	Troubleshoot DC power malfunctions	82
D0138	Perform operational checks of anti-skid systems	81
B0064	Perform operational checks of external power systems	80
B0063	Perform operational checks of emergency power systems	79
L0426	Perform operational checks of exterior lighting systems	78
L0431	Remove or install exterior lighting system components	78
B0061	Perform operational checks of battery charger systems	77
D0129	Inspect anti-skid system components	77
L0441	Troubleshoot exterior lighting system malfunctions	77
B0054	Inspect AC power components	76
B0056	Inspect DC power components	76
L0421	Inspect exterior lighting system components	75
D0147	Remove or install anti-skid system components	75
L0433	Remove or install interior lighting system components	75
L0428	Perform operational checks of interior lighting systems	75
B0085	Troubleshoot external power system malfunctions	74
A0039	Remove or install pneumatically operated valves	73
L0425	Perform operational checks of emergency lighting systems	73
S0671	Inspect air-conditioning system components	72
J0392	Remove or install engine fire or overheat detection system components	72
S0681	Perform operational checks of air-conditioning systems	72
L0443	Troubleshoot interior lighting system malfunctions	72
J0391	Perform operational checks of fire warning detection systems	71
S0687	Remove or install air-conditioning system components	71
J0396	Troubleshoot engine fire or overheat detection system malfunctions	71
B0084	Troubleshoot emergency power malfunctions, other than batteries	71
B0082	Troubleshoot battery charger system malfunctions	71
J0397	Troubleshoot fire warning detection system malfunctions	71
L0440	Troubleshoot emergency lighting system malfunctions	71
L0420	Inspect emergency lighting system components	70
J0393	Remove or install fire warning detection system components	69
J0390	Perform operational checks of engine fire or overheat warning systems	68
B0067	Remove or install battery charger components	68

TABLE 28

REPRESENTATIVE TASKS PERFORMED BY AFRC DAFSC 2A676 PERSONNEL

TASKS	AVERAGE NUMBER OF TASKS PERFORMED 271	PERCENT MEMBERS PERFORMING (N=203)
A0017	Crimp splices, terminals, or pins to wires	90
B0060	Perform operational checks of AC power systems	90
L0426	Perform operational checks of exterior lighting systems	90
A0028	Inspect wire bundles or harnesses	89
B0081	Troubleshoot AC power malfunctions	89
B0062	Perform operational checks of DC power systems	89
L0441	Troubleshoot exterior lighting system malfunctions	88
S0671	Inspect air-conditioning system components	87
A0026	Inspect electrical bonds or grounds	87
D0129	Inspect anti-skid system components	87
B0083	Troubleshoot DC power malfunctions	87
S0700	Troubleshoot air-conditioning system malfunctions	86
S0687	Remove or install air-conditioning system components	86
L0421	Inspect exterior lighting system components	86
L0431	Remove or install exterior lighting system components	86
A0004	Assemble or disassemble connector plugs	86
B0068	Remove or install DC power components	86
A0011	Clean connector plugs	86
B0066	Remove or install AC power components	85
J0396	Troubleshoot engine fire or overheat detection system malfunctions	85
S0681	Perform operational checks of air-conditioning systems	84
B0064	Perform operational checks of external power systems	84
Q0598	Inspect bleed air distribution systems	84
J0392	Remove or install engine fire or overheat detection system components	84
B0085	Troubleshoot external power system malfunctions	84
D0138	Perform operational checks of anti-skid systems	84
Q0611	Perform operational checks of bleed air distribution systems	83
J0391	Perform operational checks of fire warning detection systems	83
J0397	Troubleshoot fire warning detection system malfunctions	83
B0054	Inspect AC power components	82
L0428	Perform operational checks of interior lighting systems	82
L0443	Troubleshoot interior lighting system malfunctions	82
J0393	Remove or install fire warning detection system components	82
J0390	Perform operational checks of engine fire or overheat warning systems	82
J0386	Inspect engine fire or overheat detection systems	82
B0056	Inspect DC power components	81
S0677	Perform leakage checks of air-conditioning systems	81
Q0631	Troubleshoot bleed air distribution system malfunctions	81
A0032	Perform time compliance technical order (TCTO) modifications	81
L0423	Inspect interior lighting system components	80
L0420	Inspect emergency lighting system components	80
D0147	Remove or install anti-skid system components	80
A0038	Remove or install line replaceable units (LRUs), such as control boxes, relays, or valves	79
A0039	Remove or install pneumatically operated valves	79

TABLE 29

**PERCENT TIME SPENT ON DUTIES BY
FIRST-ENLISTMENT PERSONNEL (1-48 MONTHS' TAFMS)**

DUTIES		1-48 MONTHS' TAFMS (N=37)
A	PERFORMING AIRCRAFT ELECTRICAL AND ENVIRONMENTAL FUNDAMENTAL MAINTENANCE ACTIVITIES	
B	MAINTAINING AIRCRAFT POWER AND DISTRIBUTION SYSTEMS	
C	MAINTAINING ENGINE START AND IGNITION CONTROL SYSTEMS	1
D	MAINTAINING LANDING GEAR SYSTEMS	6
E	MAINTAINING CARGO DOOR AND RAMP SYSTEMS	1
F	MAINTAINING FUEL AND WATER SYSTEMS	1
G	MAINTAINING FLIGHT CONTROL SYSTEMS	2
H	MAINTAINING BATTERIES	3
I	MAINTAINING MASTER CAUTION AND WARNING SYSTEMS	3
J	MAINTAINING ENGINE FIRE OR OVERHEAT WARNING SYSTEMS	4
K	MAINTAINING PYROTECHNIC SYSTEMS	*
L	MAINTAINING LIGHTING SYSTEMS	7
M	MAINTAINING ANTI-ICING SYSTEMS	3
N	MAINTAINING AIRCRAFT FIRE EXTINGUISHING SYSTEMS	3
O	MAINTAINING AIRCRAFT OXYGEN SYSTEMS AND ASSOCIATED EQUIPMENT	11
P	MAINTAINING AIRCRAFT PRESSURIZATION SYSTEMS	3
Q	MAINTAINING AUXILIARY AIR AND BLEED AIR DISTRIBUTION SYSTEMS	6
R	MAINTAINING AIRCRAFT LIQUID COOLANT AND LIQUID CYCLE REFRIGERATION SYSTEMS	*
S	MAINTAINING AIRCRAFT AIR-CONDITIONING SYSTEMS	7
T	MAINTAINING MISCELLANEOUS ELECTRICAL AND ENVIRONMENTAL CONTROL SYSTEMS	3
U	PERFORMING MAINTENANCE MANAGEMENT ACTIVITIES	4
V	PERFORMING GENERAL ADMINISTRATIVE, TECHNICAL ORDER (TO) SYSTEM, SUPPLY AND EQUIPMENT ACTIVITIES	2
W	PERFORMING GENERAL AIRCRAFT AND CROSS UTILIZATION TRAINING (CUT) ACTIVITIES	3
X	PERFORMING DEPLOYMENT AND CONTINGENCY ACTIVITIES	*
Y	PERFORMING TRAINING ACTIVITIES	*
Z	PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES	*

* Indicates less than 1%

TABLE 30

**REPRESENTATIVE TASKS PERFORMED BY AFSC 2A6X6
FIRST-ENLISTMENT PERSONNEL (1–48 MONTHS' TAFMS)**

TASKS	AVERAGE NUMBER OF TASKS PERFORMED 171	PERCENT MEMBERS PERFORMING (N=437)
A0017	Crimp splices, terminals, or pins to wires	92
B0062	Perform operational checks of DC power systems	82
B0060	Perform operational checks of AC power systems	82
A0004	Assemble or disassemble connector plugs	81
B0068	Remove or install DC power components	80
B0066	Remove or install AC power components	79
A0028	Inspect wire bundles or harnesses	78
B0081	Troubleshoot AC power malfunctions	77
A0011	Clean connector plugs	77
B0083	Troubleshoot DC power malfunctions	76
L0426	Perform operational checks of exterior lighting systems	73
B0064	Perform operational checks of external power systems	73
L0431	Remove or install exterior lighting system components	73
A0038	Remove or install line replaceable units (LRUs), such as control boxes, relays, or valves	72
A0026	Inspect electrical bonds or grounds	72
A0032	Perform time compliance technical order (TCTO) modifications	72
L0441	Troubleshoot exterior lighting system malfunctions	71
B0085	Troubleshoot external power system malfunctions	71
L0428	Perform operational checks of interior lighting systems	70
D0138	Perform operational checks of anti-skid systems	70
B0063	Perform operational checks of emergency power systems	69
L0433	Remove or install interior lighting system components	69
J0392	Remove or install engine fire or overheat detection system components	69
L0443	Troubleshoot interior lighting system malfunctions	68
B0070	Remove or install external power components	67
J0393	Remove or install fire warning detection system components	67
A0039	Remove or install pneumatically operated valves	66
D0147	Remove or install anti-skid system components	66
A0033	Perform soldering on solid-state components or conventional devices	65
J0391	Perform operational checks of fire warning detection systems	65
B0056	Inspect DC power components	64
J0390	Perform operational checks of engine fire or overheat warning systems	64
A0003	Apply sealant to connectors, relays, and fixtures	64
B0054	Inspect AC power components	63
S0687	Remove or install air-conditioning system components	63
B0084	Troubleshoot emergency power malfunctions, other than batteries	63
J0397	Troubleshoot fire warning detection system malfunctions	63
S0681	Perform operational checks of air-conditioning systems	62
L0425	Perform operational checks of emergency lighting systems	62
D0164	Troubleshoot anti-skid system malfunctions	62
J0396	Troubleshoot engine fire or overheat detection system malfunctions	62
S0677	Perform leakage checks of air-conditioning systems	61
L0430	Remove or install emergency lighting system components	61
L0421	Inspect exterior lighting system components	60

TABLE 31

**EQUIPMENT USED OR OPERATED BY
FIRST-ENLISTMENT AFSC 2A6X6 PERSONNEL
(PERCENT USING OR OPERATING)**

EQUIPMENT	(N=437)
Multimeters, Digital	89
Heat Guns	75
Cannon Plug Repair Kits	68
Computers	65
LOX Purge Units	65
LOX Servicing Carts	60
Maintenance Stands, Nonpowered	59
Oxygen Hot Purging Units	54
Gaseous Oxygen Servicing Carts	53
Hot Air Purge Units	51
Wire Maintenance Kits	51
Anti-Skid Test Sets	49
Multimeters, Analog	47
Soldering Stations	44
Ammeters	43
Alternating Current (AC) Power Supplies	42
Air Compressor Unit Lo-Packs	41
Cabin Pressure Leakage Testers	41
Voltmeters, Digital	41
Pressure Gauges	40
Gaseous Nitrogen Servicing Carts	38
Direct Current (DC) Power Supplies	36
Cabin Differential Pressure Gauges	34
Environmental Control System (ECS) Testers	34
Liquid Nitrogen (LIN) Servicing Carts	33
Ground Heaters and Blowers	32
Oxygen Drain Kits	32
Go/No-Go Gauges	31
Nickel Cadmium Battery Chargers	31
Squib Testers	31
Compressed Air/Nitrogen Heating Tools	30
Hobart Power Unit 95s	30
Load Lights	30
Push/Pull Gauges	30
Wire Marker Machines	30
Battery Analyzers	29
Ground Power Air-Conditioning Systems	29
Built-In-Test Units	27
Fire Detection Testers	27
Nickel Cadmium Battery Dischargers	26
Oxygen System Leakage Testers	26

TABLE 32
AIRCRAFT MAINTAINED BY
FIRST-ENLISTMENT AFSC 2A6X6 PERSONNEL
(PERCENT MAINTAINING)

AIRCRAFT	(N=437)
F-16	23
F-15	15
C-130E/H/J	11
C-5	10
KC-135E/R/T	8
C-17	7
A-10/OA-10	7
AC-130H/U	4
B-52H	4
E-3B/C	4

TABLE 33
FORMS USED BY
FIRST-ENLISTMENT AFSC 2A6X6 PERSONNEL
(PERCENT USING)

FORMS

(N=437)

AFTO 781A, Maintenance Discrepancy and Work Document	82
AFTO 350, Repairable Item Processing Tag	75
AF 1492, Warning Tag	73
AF 2005, Issue/Turn-in Request	73
DD 1574, Servicable Tag – Materiel	73
AFTO 781K, Aerospace Vehicle Inspect, Eng Data, Cal Inspect/Delay Discr Doc	70
DD 1577, Unservicable (Condemned) Tag – Materiel	60
DD 1577-2, Unserviceable (Reparable) Tag – Materiel	59
AFTO 781H, Aerospace Vehicle Flight Status and Maintenance	51
AFTO 22, Technical Manual (TM) Change Recommendation and Reply	47
AF 979, Danger Tag	46
DD 1577-1, Unserviceable (Condemned) Label – Materiel	43
AF 1297, Temporary Issue Receipt	39
DD 1577-3, Unserviceable (Reparable) Label – Materiel	37
AFTO 244, Industrial/Support Equipment Record	34
AFTO 781J, Aerospace Vehicle-Engine Flight Document	30
AF 2413, Supply Control Log	27
DD 1575, Suspended Tag – Materiel	22
AF 457, USAF Hazard Report	17

TABLE 34

AFSC 2A6X6 TASKS WITH HIGHEST TRAINING EMPHASIS RATINGS

TASKS	TNG EMP	PERCENT MEMBERS PERFORMING		TSK DIF
		1-24 MOS TAFMS	1-48 MOS TAFMS	
A0004 Assemble or disassemble connector plugs	7.05	73	81	4.42
A0017 Crimp splices, terminals, or pins to wires	6.90	90	92	2.70
S0681 Perform operational checks of air-conditioning systems	6.57	51	62	4.87
D0138 Perform operational checks of anti-skid systems	6.38	60	70	5.38
O0537 Purge aircraft oxygen systems	6.33	36	45	5.01
S0677 Perform leakage checks of air-conditioning systems	6.24	48	61	4.39
N0484 Remove or install aircraft fire extinguishing system components	6.14	38	50	5.50
A0038 Remove or install line replaceable units (LRUs), such as control boxes, relays, or valves	6.10	63	72	4.02
A0039 Remove or install pneumatically operated valves	6.05	58	66	5.35
S0687 Remove or install air-conditioning system components	6.05	50	63	5.30
O0500 Clean LOX system components	6.05	39	45	3.94
J0392 Remove or install engine fire or overheat detection system components	6.00	56	69	4.39
J0393 Remove or install fire warning detection system components	6.00	52	67	4.61
D0147 Remove or install anti-skid system components	5.95	57	66	4.39
J0391 Perform operational checks of fire warning detection systems	5.95	51	65	3.93
J0390 Perform operational checks of engine fire or overheat warning systems	5.95	51	64	3.91
O0530 Perform operational checks of LOX systems	5.95	46	52	4.59
A0020 Fabricate electrical leads	5.95	39	43	3.08
O0536 Purge LOX system converters	5.86	45	48	4.69
N0486 Remove or install squib system components	5.81	42	51	5.43
D0143 Perform operational checks of nose-wheel or nose-gear steering systems	5.81	39	41	5.00
O0533 Perform operational checks of oxygen quantity indicating or warning systems	5.76	30	35	4.40
B0060 Perform operational checks of AC power systems	5.71	74	82	5.04
A0028 Inspect wire bundles or harnesses	5.71	71	78	3.49
B0064 Perform operational checks of external power systems	5.71	59	73	4.53
D0151 Remove or install landing gear control or warning system components	5.67	41	54	5.14
O0523 Perform leakage checks of LOX systems	5.67	48	53	4.17
S0699 Service air-conditioning cooling turbines	5.67	26	34	4.29

TE MEAN = 2.16; S.D. = 1.64; HIGH = 3.80

TABLE 35

AFSC 2A6X6 TASKS WITH HIGHEST TASK DIFFICULTY RATINGS

TASKS	TSK DIF	PERCENT MEMBERS PERFORMING					TNG EMP	
		1-24 MOS TAFMS	1-48 MOS TAFMS	3- SKL LVL	5- SKL LVL	7- SKL LVL		
B0084	Troubleshoot emergency power malfunctions, other than batteries	8.28	53	63	60	65	41	4.52
B0081	Troubleshoot AC power malfunctions	7.99	67	77	76	77	49	4.81
B0086	Troubleshoot IDG malfunctions	7.98	33	41	40	51	33	5.05
F0267	Troubleshoot fuel cooler blower system malfunctions	7.95	1	1	1	1	1	1.19
D0172	Troubleshoot tail skid system malfunctions	7.81	4	5	5	5	3	0.33
D0168	Troubleshoot landing gear control or warning system malfunctions	7.78	41	55	51	62	40	4.14
E0216	Troubleshoot pyrotechnic tow release system malfunctions	7.78	3	3	3	3	2	0.48
D0169	Troubleshoot nose-wheel or nose-gear steering system malfunctions	7.71	32	40	39	43	29	4.38
F0264	Troubleshoot air refueling receiver system malfunctions	7.67	7	8	6	12	9	2.48
G0303	Troubleshoot flight control asymmetry system malfunctions	7.62	15	18	17	20	12	2.24
E0217	Troubleshoot weapons delivery door control and warning system malfunctions	7.59	3	2	2	3	2	0.90
E0214	Troubleshoot flare launch tube system malfunctions	7.57	1	1	1	1	2	0.81
B0083	Troubleshoot DC power malfunctions	7.54	65	76	74	77	48	4.86
G0304	Troubleshoot primary flight control system malfunctions	7.54	20	21	20	23	17	2.81
T0790	Troubleshoot boom/drogue system component malfunctions	7.52	2	3	2	3	3	0.81
S0700	Troubleshoot air-conditioning system malfunctions	7.48	45	59	53	66	43	5.29
D0164	Troubleshoot anti-skid system malfunctions	7.44	48	62	58	67	42	4.71
E0215	Troubleshoot personnel hoist system malfunctions	7.43	1	1	1	1	2	0.76
B0082	Troubleshoot battery charger system malfunctions	7.42	45	54	50	62	40	4.33
F0269	Troubleshoot OBIGGS system malfunctions	7.41	7	7	7	9	5	2.29
C0115	Troubleshoot propeller control circuit malfunctions	7.41	3	5	3	6	5	1.81
I0380	Troubleshoot Talon II VDT system components	7.38	2	2	2	1	1	0.38
F0270	Troubleshoot tank jettison system malfunctions	7.38	1	2	1	3	1	0.90
T0796	Troubleshoot IBIS component malfunctions	7.37	2	1	1	1	0	0.38
T0788	Troubleshoot APU system malfunctions	7.34	16	18	18	21	14	3.29
T0786	Troubleshoot AERP system malfunctions	7.31	4	7	6	10	8	1.19
G0307	Troubleshoot spoiler control system malfunctions	7.30	10	12	11	13	10	2.71
F0263	Troubleshoot air refueling probe system malfunctions	7.29	3	5	5	4	5	1.38

TD MEAN = 5.00; S.D. = 1.00; HIGH = 6.00

TABLE 36

**EXAMPLES OF TASKS PERFORMED BY 20 PERCENT OR MORE MEMBERS
BUT NOT REFERENCED TO ANY STS ELEMENT**

TASKS		TNG EMP	1ST JOB (N=184)	1ST ENL (N=437)	TSK DIF	ATI
E0186	Perform operational checks of cargo door or ramp control and warning systems	4.48	19	22	5.37	11
E0211	Troubleshoot cargo door or ramp control and warning systems malfunctions	3.90	17	21	7.25	11
J0394	Repair engine fire or overheat detection system components	2.43	24	31	4.65	15
M0458	Perform operational checks of ice detection systems	4.05	28	31	4.38	12
M0461	Remove or install anti-ice or de-ice system components, other than NESA anti-ice system components	4.14	32	38	5.15	12
M0462	Remove or install ice detection system components	3.71	29	33	4.80	15
W0882	Launch or recover aircraft	2.57	30	40	4.01	15

* TE MEAN = 2.16; S.D. = 1.64; HIGH = 3.80

** TD MEAN = 5.00; S.D. = 1.00; HIGH = 6.00

TABLE 37

EXAMPLES OF STS ELEMENTS WITHOUT PROFICIENCY CODES MATCHED TO TASKS
WITH 20 PERCENT OR MORE MEMBERS PERFORMING

UNIT	LEARNING OBJECTIVE	PROF CODE	PERCENT MEMBERS PERFORMING		TNG EMP	TSK DIF	ATI
			1ST JOB (N=184)	1ST ENL (N=437)			
A2.5.4 Task	AFTO 781 series forms U0814. Initiate or annotate aircraft flight or maintenance records, such as AFTO Forms 781 series	-	26	36	5.00	4.87	12
A2.5.8.1 Tasks	Statically ground aircraft A0026. Inspect electrical bonds or grounds W0913. Static ground aircraft	-	67 25	72 32	4.71 2.62	2.64 1.72	13 5
A2.11.4.2 Task	Solid state devices (Solder electrical connections) A0033. Perform soldering on solid-state components or conventional devices	-	60	65	4.62	6.25	18
A3.2.8.1 Task	Battery Charger (Bench check components) B0061. Perform operational checks of battery charger systems	-	51	58	5.29	4.47	18
A.3.5.5.4 Task	Audible Warning Control (Remove components) D0151. Remove or install landing gear control or warning system components	-	41	54	5.67	5.14	18
A3.11.5 Tasks	Remove components (Overheat/fire warning system) J0392. Remove or install engine fire or overheat detection system components J0393. Remove or install fire warning detection system components	-	56 52	69 67	6.00 6.00	4.39 4.61	18 18

* TE MEAN = 2.16; S.D. = 1.64; HIGH = 3.80

** TD MEAN = 5.00; S.D. = 1.00; HIGH = 6.00

TABLE 38

**JOB SATISFACTION INDICATORS FOR IDENTIFIED JOB GROUPS
(PERCENT MEMBERS RESPONDING)**

	ELECTRICAL/ENVIRONMENTAL CORE CLUSTER				
	ELECTRICAL/ ENVIRONMENTAL SYSTEMS CORE CLUSTER (N=1,347) (STG 87)	ELECTRICAL/ ENVIRONMENTAL SYSTEMS JOB (N=1,112) (STG 229)	ENTRY-LEVEL ELECTRICAL/ ENVIRONMENTAL JOB (N=47) (STG 178)	LIGHTING/ WARNING SYSTEM JOB (N=22) (STG 294)	FIRST- LINE SUPERVISOR JOB (N=34) (STG 220)
<u>EXPRESSED JOB INTEREST</u>					
INTERESTING	82	84	74	68	68
SO-SO	12	11	11	27	32
DULL	6	5	15	5	0
<u>PERCEIVED USE OF TALENTS</u>					
EXCELLENT TO PERFECT	22	22	11	18	24
FAIRLY WELL TO VERY WELL	67	68	72	68	65
NONE TO VERY LITTLE	11	10	17	14	11
<u>PERCEIVED USE OF TRAINING</u>					
EXCELLENT TO PERFECT	6	25	17	9	24
FAIRLY WELL TO VERY WELL	70	70	74	77	67
NONE TO VERY LITTLE	24	5	9	14	9
<u>SENSE OF ACCOMPLISHMENT FROM JOB</u>					
SATISFIED	81	83	70	77	70
NEUTRAL	9	8	15	23	9
DISSATISFIED	10	9	15	0	21
<u>REENLISTMENT INTENTIONS</u>					
YES OR PROBABLY YES	70	72	75	55	59
NO OR PROBABLY NO	21	19	23	27	12
WILL RETIRE	9	9	2	18	29

TABLE 38 (CONTINUED)

**JOB SATISFACTION INDICATORS FOR IDENTIFIED JOB GROUPS
(PERCENT MEMBERS RESPONDING)**

	OXYGEN SYSTEMS IJ (N=71) (STG 190)	POWER/ DISTRIBUTION SYSTEMS IJ (N=16) (STG 212)	SECTION/ ELEMENT CHIEF IJ (N=65) (STG 243)	INSTRUCTOR IJ (N=49) (STG 81)	QUALITY ASSURANCE IJ (N=20) (STG 191)	EXPEDITOR/ PRODUCTION SUPERINTENDENT IJ (N=15) (STG 133)
<u>EXPRESSED JOB INTEREST</u>						
INTERESTING	61	81	85	82	85	100
SO-SO	18	13	12	2	10	0
DULL	21	6	3	16	5	0
<u>PERCEIVED USE OF TALENTS</u>						
EXCELLENT TO PERFECT	10	25	26	47	40	27
FAIRLY WELL TO VERY WELL	62	69	65	35	60	73
NONE TO VERY LITTLE	28	6	9	18	0	0
<u>PERCEIVED USE OF TRAINING</u>						
EXCELLENT TO PERFECT	13	13	25	39	45	20
FAIRLY WELL TO VERY WELL	77	81	62	49	55	73
NONE TO VERY LITTLE	10	6	13	12	0	7
<u>SENSE OF ACCOMPLISHMENT FROM JOB</u>						
SATISFIED	66	75	77	82	95	93
NEUTRAL	21	25	12	6	5	7
DISSATISFIED	13	0	11	12	0	0
<u>REENLISTMENT INTENTIONS</u>						
YES OR PROBABLY YES	56	50	59	88	80	53
NO OR PROBABLY NO	37	44	3	6	0	7
WILL RETIRE	7	6	38	6	20	40

TABLE 39

**COMPARISON OF JOB SATISFACTION INDICATORS FOR AFSC 2A6X6
AND COMPARATIVE SAMPLE GROUP
(PERCENT MEMBERS RESPONDING)**

	1-48 MONTHS' TAFMS		49-96 MONTHS' TAFMS		97+ MONTHS' TAFMS	
	2003 2A6X6 (N=437)	COMP SAMPLE (N=1,861)	2003 2A6X6 (N=181)	COMP SAMPLE (N=847)	2003 2A6X6 (N=468)	COMP SAMPLE (N=2,406)
<u>EXPRESSED JOB INTEREST</u>						
INTERESTING	70	67	76	68	78	75
SO-SO	19	19	14	19	12	16
DULL	11	14	10	13	10	9
<u>PERCEIVED USE OF TALENTS</u>						
EXCELLENT TO PERFECT	14	15	25	19	28	22
FAIRLY WELL TO VERY WELL	69	64	59	61	57	64
NONE TO VERY LITTLE	17	21	16	20	15	14
<u>PERCEIVED USE OF TRAINING</u>						
EXCELLENT TO PERFECT	19	22	28	23	25	21
FAIRLY WELL TO VERY WELL	75	68	64	66	61	63
NONE TO VERY LITTLE	6	10	8	11	14	16
<u>SENSE OF ACCOMPLISHMENT FROM JOB</u>						
SATISFIED	72	68	76	67	76	74
NEUTRAL	16	15	10	16	9	10
DISSATISFIED	12	17	14	17	15	16
<u>REENLISTMENT INTENTIONS</u>						
YES OR PROBABLY YES	49	50	70	62	72	64
NO OR PROBABLY NO	50	49	27	36	7	9
WILL RETIRE	1	1	3	2	21	27

- Comparative sample of AFSCs surveyed in the last 24 months include: 2A5X1 – Aerospace Maintenance, 2A5X2 – Helicopter Maintenance, 2A6X1B – Aerospace Propulsion (Turboprop/Turboshaft), 2A7X2 – Nondestructive Inspection, 2A7X4 – Survival Equipment

TABLE 40**JOB SATISFACTION INDICATORS FOR
AD, ANG, AND AFRC MEMBERS
(PERCENT MEMBERS RESPONDING)**

	AD (N=1,086)	ANG (N=403)	AFRC (N=329)
<u>EXPRESSED JOB INTEREST</u>			
INTERESTING	75	90	87
SO-SO	15	8	9
DULL	10	2	4
<u>PERCEIVED USE OF TALENTS</u>			
EXCELLENT TO PERFECT	22	22	22
FAIRLY WELL TO VERY WELL	62	71	69
NONE TO VERY LITTLE	16	7	9
<u>PERCEIVED USE OF TRAINING</u>			
EXCELLENT TO PERFECT	23	27	21
FAIRLY WELL TO VERY WELL	67	68	73
NONE TO VERY LITTLE	10	5	6
<u>SENSE OF ACCOMPLISHMENT FROM JOB</u>			
SATISFIED	75	87	84
NEUTRAL	12	7	8
DISSATISFIED	13	6	8
<u>REENLISTMENT INTENTIONS</u>			
YES OR PROBABLY YES	63	79	76
NO OR PROBABLY NO	27	9	11
WILL RETIRE	10	12	13

TABLE 41

**COMPARISON OF JOB SATISFACTION INDICATORS
BETWEEN CURRENT AND 2000 SURVEYS
(PERCENT MEMBERS RESPONDING)**

	1-48 MONTHS' TAFMS		49-96 MONTHS' TAFMS		97+ MONTHS' TAFMS	
	2003 2A6X6 (N=437)	2000 2A6X6 (N=365)	2003 2A6X6 (N=181)	2000 2A6X6 (N=179)	2003 2A6X6 (N=468)	2000 2A6X6 (N=485)
	<u>EXPRESSED JOB INTEREST</u>					
INTERESTING	70	73	76	79	78	78
SO-SO	19	17	14	13	12	16
DULL	11	10	10	8	10	6
<u>PERCEIVED USE OF TALENTS</u>						
EXCELLENT TO PERFECT	14	15	25	23	28	19
FAIRLY WELL TO VERY WELL	69	70	59	61	57	68
NONE TO VERY LITTLE	17	15	16	16	15	13
<u>PERCEIVED USE OF TRAINING</u>						
EXCELLENT TO PERFECT	19	20	28	27	25	20
FAIRLY WELL TO VERY WELL	75	72	64	63	61	68
NONE TO VERY LITTLE	6	8	8	10	14	12
<u>SENSE OF ACCOMPLISHMENT FROM JOB</u>						
SATISFIED	72	72	76	74	76	75
NEUTRAL	16	15	10	12	9	10
DISSATISFIED	12	13	14	14	15	15
<u>REENLISTMENT INTENTIONS</u>						
YES OR PROBABLY YES	49	50	70	65	72	64
NO OR PROBABLY NO	50	50	27	35	7	8
WILL RETIRE	1	0	3	0	21	28

TABLE 42

**COMPARISON OF REENLISTMENT FACTORS BY TAFMS GROUPS –
PERCENT OF RESPONDENTS SELECTING EACH FACTOR AND
AVERAGE SCORE AMONG THOSE SELECTING EACH FACTOR**

31 FACTORS LISTED IN ORDER OF APPEARANCE IN SURVEY Scale: 1 = Slight Influence; 2 = Moderate Influence; 3 = Strong Influence	1-48 MONTHS' TAFMS (N=212)		49-96 MONTHS' TAFMS (N=126)		97+ MONTHS' TAFMS (N=338)	
	Percent Selecting	Average	Percent Selecting	Average	Percent Selecting	Average
MILITARY LIFESTYLE	55	2.12	53	2.16	47	2.32
PAY AND ALLOWANCES	58	2.28	59	2.32	50	2.38
BONUS OR SPECIAL PAY	59	2.43	52	2.51	18	2.20
RETIREMENT BENEFITS	59	2.67	67	2.54	77	2.71
MILITARY-RELATED EDU & TRNG OPPORTUNITIES	62	2.38	55	1.88	27	2.06
OFF-DUTY EDU OR TRAINING OPPORTUNITIES	53	2.52	57	2.19	41	2.36
MEDICAL/ DENTAL CARE FOR AD MEMBER	60	2.64	63	2.44	47	2.50
MEDICAL/ DENTAL CARE FOR FAMILY MEMBERS	58	2.71	63	2.49	49	2.55
BASE HOUSING	23	2.04	21	2.04	13	2.00
BASE SERVICES	28	1.95	21	1.58	14	1.86
CHILDCARE NEEDS	13	2.29	10	2.54	5	2.41
SPOUSE'S CAREER	9	2.37	10	2.62	8	2.46
CIVILIAN JOB OPPORTUNITIES	26	2.36	26	2.24	10	2.29
EQUAL EMPLOYMENT OPPORTUNITIES	17	2.32	11	2.07	7	1.91
NUMBER OF PCS MOVES	15	2.31	17	2.00	13	2.32
LOCATION OF PRESENT ASSIGNMENT	27	2.36	37	2.30	31	2.57
NUMBER/DURATION OF TDYS OR DEPLOYMENTS	21	2.23	31	2.05	17	2.46
WORK SCHEDULE	20	2.09	26	2.18	19	2.18
ADDITIONAL DUTIES	7	2.13	12	1.67	5	2.11
JOB SECURITY	66	2.51	72	2.53	65	2.61
ENLISTED EVALUATION SYSTEM	4	2.22	6	1.38	4	2.46
PROMOTION OPPORTUNITIES	37	2.38	26	2.42	30	2.43
TRAINING/EXPERIENCE OF UNIT PERSONNEL	23	2.14	15	2.05	9	2.24
UNIT MANNING	5	2.09	11	1.93	7	2.57
UNIT RESOURCES	5	2.27	6	1.71	4	2.50
UNIT READINESS	5	2.27	6	1.71	3	2.55
RECOGNITION OF EFFORTS	21	1.93	16	2.20	17	2.07
ESPRIT DE CORPS/MORALE	18	2.39	25	2.06	28	2.33
LEADERSHIP OF IMMEDIATE SUPERVISOR	21	2.52	21	2.31	14	2.45
LEADERSHIP AT UNIT LEVEL	15	2.31	12	2.07	12	2.32
SENIOR AIR FORCE LEADERSHIP	11	2.35	9	2.18	7	2.52

TOP 5 REASONS FOR MEMBERS REENLISTING BY TAFMS GROUPS

1-48 MONTHS' TAFMS (N=212)	49-96 MONTHS' TAFMS (N=126)	97+ MONTHS' TAFMS (N=338)
JOB SECURITY	JOB SECURITY	RETIREMENT BENEFITS
MILITARY-RELATED EDU & TRNG OPPORTUNITIES	RETIREMENT BENEFITS	JOB SECURITY
MEDICAL/ DENTAL CARE FOR AD MEMBER	MEDICAL/ DENTAL CARE FOR FAMILY MEMBERS	PAY AND ALLOWANCES
RETIREMENT BENEFITS	MEDICAL/ DENTAL CARE FOR AD MEMBER	MEDICAL/ DENTAL CARE FOR FAMILY MEMBERS
BONUS OR SPECIAL PAY	PAY AND ALLOWANCES	MEDICAL/ DENTAL CARE FOR AD MEMBER

TABLE 43

**COMPARISON OF SEPARATION FACTORS BY TAFMS GROUPS –
PERCENT OF RESPONDENTS SELECTING EACH FACTOR AND
AVERAGE SCORE AMONG THOSE SELECTING EACH FACTOR**

31 FACTORS LISTED IN ORDER OF APPEARANCE IN SURVEY Scale: 1 = Slight Influence; 2 = Moderate Influence; 3 = Strong Influence	1-48 MONTHS' TAFMS (N=218)		49-96 MONTHS' TAFMS (N=49)		97+ MONTHS' TAFMS (N=31)	
	Percent Selecting	Average	Percent Selecting	Average	Percent Selecting	Average
MILITARY LIFESTYLE	58	2.29	53	2.35	48	2.00
PAY AND ALLOWANCES	55	2.40	57	2.25	52	2.12
BONUS OR SPECIAL PAY	19	2.24	16	2.25	26	2.00
RETIREMENT BENEFITS	8	2.41	10	2.60	32	2.40
MILITARY-RELATED EDU & TRNG OPPORTUNITIES	18	2.30	14	2.00	16	2.40
OFF-DUTY EDU OR TRAINING OPPORTUNITIES	33	2.18	27	2.38	16	2.60
MEDICAL/ DENTAL CARE FOR AD MEMBER	16	2.15	10	2.60	19	2.33
MEDICAL/ DENTAL CARE FOR FAMILY MEMBERS	12	2.27	12	2.17	16	1.60
BASE HOUSING	13	2.31	20	2.20	10	1.67
BASE SERVICES	12	1.96	12	1.83	13	2.25
CHILDCARE NEEDS	4	2.12	10	2.20	13	2.25
SPOUSE'S CAREER	7	2.80	22	2.09	16	2.20
CIVILIAN JOB OPPORTUNITIES	40	2.48	35	2.53	42	2.69
EQUAL EMPLOYMENT OPPORTUNITIES	4	2.12	10	2.40	6	3.00
NUMBER OF PCS MOVES	9	2.26	27	2.38	29	1.67
LOCATION OF PRESENT ASSIGNMENT	39	2.44	37	2.44	39	2.42
NUMBER/DURATION OF TDYS OR DEPLOYMENTS	22	2.14	47	2.70	32	2.10
WORK SCHEDULE	36	2.37	45	2.82	39	2.67
ADDITIONAL DUTIES	22	2.21	37	2.17	32	2.00
JOB SECURITY	6	1.93	4	1.00	13	1.50
ENLISTED EVALUATION SYSTEM	12	2.31	22	2.00	26	2.38
PROMOTION OPPORTUNITIES	20	2.45	22	2.27	35	2.45
TRAINING/EXPERIENCE OF UNIT PERSONNEL	18	2.15	27	2.08	19	2.83
UNIT MANNING	22	2.06	41	2.60	35	2.73
UNIT RESOURCES	11	2.17	33	2.56	29	2.67
UNIT READINESS	3	1.50	10	1.80	13	2.50
RECOGNITION OF EFFORTS	42	2.28	57	2.50	42	2.46
ESPRIT DE CORPS/MORALE	35	2.36	57	2.50	35	2.45
LEADERSHIP OF IMMEDIATE SUPERVISOR	19	2.17	22	2.64	39	2.42
LEADERSHIP AT UNIT LEVEL	27	2.51	53	2.69	45	2.29
SENIOR AIR FORCE LEADERSHIP	13	2.46	22	2.64	19	2.67

TOP 5 REASONS FOR MEMBERS SEPARATING BY TAFMS GROUPS

1-48 MONTHS' TAFMS (N=218)	49-96 MONTHS' TAFMS (N=49)	97+ MONTHS' TAFMS (N=31)
MILITARY LIFESTYLE	RECOGNITION OF EFFORTS	PAY AND ALLOWANCES
PAY AND ALLOWANCES	ESPRIT DE CORPS/MORALE	MILITARY LIFESTYLE
RECOGNITION OF EFFORTS	PAY AND ALLOWANCES	LEADERSHIP AT UNIT LEVEL
CIVILIAN JOB OPPORTUNITIES	LEADERSHIP AT UNIT LEVEL	CIVILIAN JOB OPPORTUNITIES
LOCATION OF PRESENT ASSIGNMENT	MILITARY LIFESTYLE	RECOGNITION OF EFFORTS