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AFPT-90-306-201

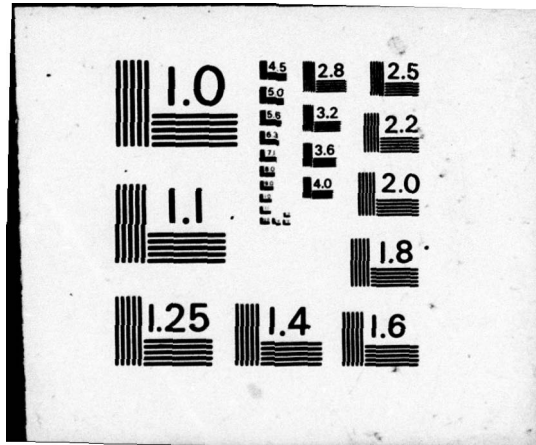
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The microfiche contains 132 frames of technical information. The frames are arranged in a grid of 10 rows and 13 columns. The content includes:

- Technical diagrams and flowcharts, such as a large diagram in the top right frame.
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OCCUPATIONAL SURVEY REPORT.



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6 ELECTRONIC COMMUNICATIONS AND CRYPTOGRAPHIC
 EQUIPMENT-SYSTEMS REPAIR CAREER LADDER,
 AFSC'S 30630, 30650, 30670, AND 30691.

11 AFPT-90-306-201

11 15 NOVEMBER 1976

12 118 p.

OCCUPATIONAL SURVEY BRANCH
 USAF OCCUPATIONAL MEASUREMENT CENTER
 LACKLAND AFB TEXAS 78236

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TABLE OF CONTENTS

	PAGE NUMBER
PREFACE -----	2
SUMMARY OF RESULTS -----	3
INTRODUCTION -----	4
INVENTORY DEVELOPMENT AND ADMINISTRATION -----	4
CAREER LADDER STRUCTURE -----	7
SKILL LEVEL PROGRESSION -----	12
AFM 39-1 SPECIALTY DESCRIPTIONS -----	21
DISCUSSION OF AFMS GROUPS -----	22
CONUS VS OVERSEAS TASK PERFORMANCE DIFFERENCES -----	44
REVIEW OF SPECIALTY TRAINING STANDARD FOR AFS 306X0 -----	46
DISCUSSION OF TRAINING -----	46
PLANS FOR REENLISTMENT, JOB INTEREST, PERCEIVED UTILIZATION OF TALENTS, AND PERCEIVED UTILIZATION OF TRAINING -----	46
CONCLUSIONS AND RECOMMENDATIONS -----	49
APPENDIX A -----	51
APPENDIX B -----	57

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PREFACE

This report presents the results of a detailed Air Force Occupational Survey of the Electronic Communications and Cryptographic Equipment Systems Career Ladder, AFSC's 30630, 30650, 30670 and 30691. The project was directed by USAF Program Technical Training, Volume 2, dated October 1975. Authority for conducting specialty surveys is contained in AFM 35-2, paragraph 2-1. Computer outputs from which this report was produced are available for use by operating and training officials.

The survey instrument was developed by Mr. Paul N. DiTullio, Inventory Development Specialist. Captain James N. Eustis analyzed the survey data and wrote the final report. This report has been reviewed and approved by Mr. Paul N. DiTullio, Chief, Maintenance Career Ladders Analysis Section, USAF Occupational Measurement Center, Lackland AFB, Texas 78236.

Computer programs for analyzing the occupational data were designed by Dr. Raymond E. Christal, Occupational and Manpower Research Division, Air Force Human Resources Laboratory (AFHRL), and were written by the Project Analysis and Programming Branch, Computational Sciences Division, AFHRL.

Because volume reproduction of this report is not feasible, distribution is made on a loan basis to air staff sections and major commands upon request to the USAF Occupational Measurement Center, attention of the Chief, Occupational Survey Branch (OMY), Lackland AFB, Texas 78236.

This report has been reviewed and is approved.

JAMES A. TURNER, JR., Colonel, USAF
Commander
USAF Occupational Measurement Center

WALTER E. DRISKILL, Ph. D.
Chief, Occupational Survey Branch
USAF Occupational Measurement Center

SUMMARY OF RESULTS

- ↓
1. The Electronic Communications and Cryptographic Equipment Systems Repair (AFS 306X0/91) Career Ladder is functionally arranged around equipment and maintenance support functions. Seven major job clusters or groups were identified as dealing directly with equipment maintenance. Seven other job clusters were identified in the area of maintenance support. Maintenance support being concerned with the administration, scheduling, electronics installation, quality control job control, and training functions. A total of 45 job groups were found within the clusters.
 2. Job progression relative to skill level and time in service shows a typical shift from technical to supervisory responsibility with increasing skill level and time in service.
 3. Plans for reenlistment increase with time in service to a high of 96 percent intending to reenlist after the fourth enlistment. Job interest shows a similar trend with increasing time. Responses to questions concerning perceived utilization of talents and utilization of training show that a large percentage of personnel do not feel their talents or training are being utilized well.
 4. Specialty descriptions in AFM 39-1 do not adequately describe the electronics installation function of this specialty.
 5. Usual comparisons of occupational survey data with the Plan of Instruction for 3ABR30630 were not possible, due to special training requirements imposed by the National Security Agency (NSA). The STS was reviewed and only generally compared to survey results since special training requirements also affect training documentation.

OCCUPATIONAL SURVEY REPORT
ELECTRONIC COMMUNICATIONS AND CRYPTOGRAPHIC
EQUIPMENT SYSTEMS REPAIR CAREER LADDER
AFSC'S 30630, 30650, 30670, AND 30691

INTRODUCTION

This is a report of an occupational survey of the Electronic Communications and Cryptographic Equipment Systems Repair Career Ladder, AFSCs 30630, 30650, 30670, and 30691 conducted by the Occupational Survey Branch, USAF Occupational Measurement Center, from 26 February 1976 through 15 November 1976.

The report describes: (1) development and administration of the survey instrument; (2) summaries of tasks performed by airmen grouped by skill level, experience level, and similarity of tasks performed; (3) comparisons with current training and career field structure documents; and (4) recommended actions for further study.

INVENTORY DEVELOPMENT AND ADMINISTRATION

The data collection instrument for the occupational survey was USAF Job Inventory AFPT 90-306-201. The inventory booklets were composed of two parts: a background information section in which job incumbents provided information about themselves; and a duty-task list section which assessed the relative amount of time spent on tasks performed by personnel in their current jobs. The latter section consisted of 1,111 tasks grouped under 26 headings. Thorough research of publications and directives, personal interviews with 31 subject-matter specialists at four bases, and written reviews from 80 experienced Electronic Communications and Cryptographic Equipment Systems Repair personnel contributed to the development of the survey instrument.

Consolidated base personnel offices in operational units worldwide received the inventory booklets for administration to 2,498 job incumbents holding the DAFSCs identified above. Survey administration occurred from 26 February 1976 through 21 July 1976 based upon the January 1976 Uniform Airman Record. Tables 1 and 2 give the distribution of assigned personnel in the career ladder as of 31 July 1976 and the percentage by major command of inventory booklets returned from the field. The large discrepancy in Table 1 with respect to command representation for AFCS and SAC is due to AFCS assuming responsibility for much of SAC's electronic communications and cryptographic systems equipment maintenance since the inventory was administered. The sample of incumbents represents 72 percent (N=1725) of career ladder members.

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After supplying identification and biographical information, incumbents checked and rated the tasks performed in their current job. Tasks were rated on a 9-point scale showing relative time spent on each task compared to all other tasks performed in the current job. The ratings ranged from 1 (very-small-amount time spent) through 5 (about-average time spent) to 9 (very-large-amount time spent). Respondents did not rate tasks not performed in their current job.

In the development of the job inventory, every effort was made to include all duties and tasks of importance to the accuracy and completeness of the survey. However, due to the possibility of inadvertent omissions, instructions for completing the inventory urged respondents to write in any duties or tasks not listed. In this survey, there were no significant tasks or comments submitted by the survey respondents.

TABLE 1
COMMAND REPRESENTATION IN SURVEY SAMPLE

<u>COMMAND</u>	<u>PERCENT OF ASSIGNED*</u>	<u>PERCENT OF SURVEY SAMPLE</u>
AFCS	70	48
SAC	2	18
ATC	8	8
USAFSS	7	8
ADC	6	7
AFSC	1	5
TAC	2	2
AFLC	LESS THAN 1	LESS THAN 1
AU	1	LESS THAN 1
HQCOMD	0	LESS THAN 1
HQ USAF	0	LESS THAN 1
MAC	LESS THAN 1	LESS THAN 1
PACAF	LESS THAN 1	LESS THAN 1
USAFE	2	LESS THAN 1
AAC	1	0

* UAR DATED 31 JULY 1976

TABLE 2
REPRESENTATION OF SURVEY SAMPLE BY DAFSC

<u>DAFSC</u>	<u>PERCENT ASSIGNED</u>	<u>PERCENT OF SURVEY SAMPLE</u>
30630/30650	71	68
30670	25	29
30691	4*	3**

* ALL 30691

** SURVEYED ONLY 30691 PERSONNEL WHO SUPERVISED 306X0 PERSONNEL

CAREER LADDER STRUCTURE

The job structure of the 306X0/91 career ladder was determined on the basis similarity in the tasks performed by incumbents in the field, independent of DAFSC or other background similarity. The products of the computerized hierarchical grouping procedure used in this part of the analysis helped identify: (1) tasks which tended to be performed together in the field by the same incumbents, (2) the breadth or narrowness of jobs in the field, and (3) tasks and incumbents background characteristics which may be used for distinguishing between the functional requirements in the field as they existed at the time of the survey. Structure analysis therefore provided an objective indication of the amount of task overlap between various groups of incumbents included in the survey.

Based on task overlap, the best division among jobs performed in the Electronic Communication and Cryptographic Equipment Systems Repair Career Ladder was determined to be that illustrated by the diagram, Figure 1, on the following page. The GRP numbers following each group are computer printed identifiers used to define aggregations of personnel.

The groups identified represent more than 86 percent of the total sample for the survey.

There are two types of job groups identified: clusters and job types. A cluster describes a range of jobs performed that have some commonality between the jobs. A job type is a more narrowly defined job. There is a good deal of commonality of tasks performed and time spent on tasks by the members of the group. The relationship between clusters and job types can be further illustrated by noting that a cluster will usually contain two or more job types. Differences between clusters are more pronounced and clear cut than differences between job types within each cluster.

Job groups in the 306X0/91 career ladder formed around the common pieces of equipment maintained. Large-scale differences were usually based on time spent maintaining a single piece of equipment; but smaller differences, leading to more specialized jobs within the larger groups, resulted from the amount of time spent on tasks related to one, two, or perhaps three other pieces of equipment. These job differences are depicted in Figures 2 through 10 in Appendix A. Detailed descriptions of these groups will be found in Appendix B. Figure 1 depicts the large scale job differences, and the succeeding figures show the smaller job differences that were found within several of the larger groups.

The major job groupings found are presented in Table 3 and Figure 1. The titles given to these groups are based on the composite job descriptions of the groups, job titles selected by survey respondents, and background information responses. The equipment maintenance job types are based on the piece of equipment that was typically maintained by the group members and which was most time consuming for the group as a whole. The major piece of equipment was usually not the only item maintained, but was the most useful identifying the group.

The major groups identified during analysis of the data are:

Work Center Supervisors

GP0137, Work Center Supervisors. This group, consists of four percent of the sample, who are senior technicians having responsibility for equipment maintenance and supervision.

Equipment Maintenance

GP0180, KY-3 Specialists. This group of airmen (13 percent of the sample) spend more time maintaining the KY-3 than any other piece of equipment. While they do maintain other pieces of equipment, the thread of commonality among the job types in this cluster is that KY-3 tasks generally require more time of the groups than the other pieces of equipment.

GP0126, KG-13 Specialists. Members of this cluster, which contained 30 percent of the sample, spend more time maintaining KG-13's than any other piece of equipment. As with the previous group described, incumbents in job types within this cluster maintain other equipment, as well as, the KG-13, but the KG-13 tasks are common among these personnel.

GP0073, KW-26 Maintenance Supervisors. This small group of technicians has a dual responsibility, both the maintenance of the KW-26 and the supervision of that maintenance.

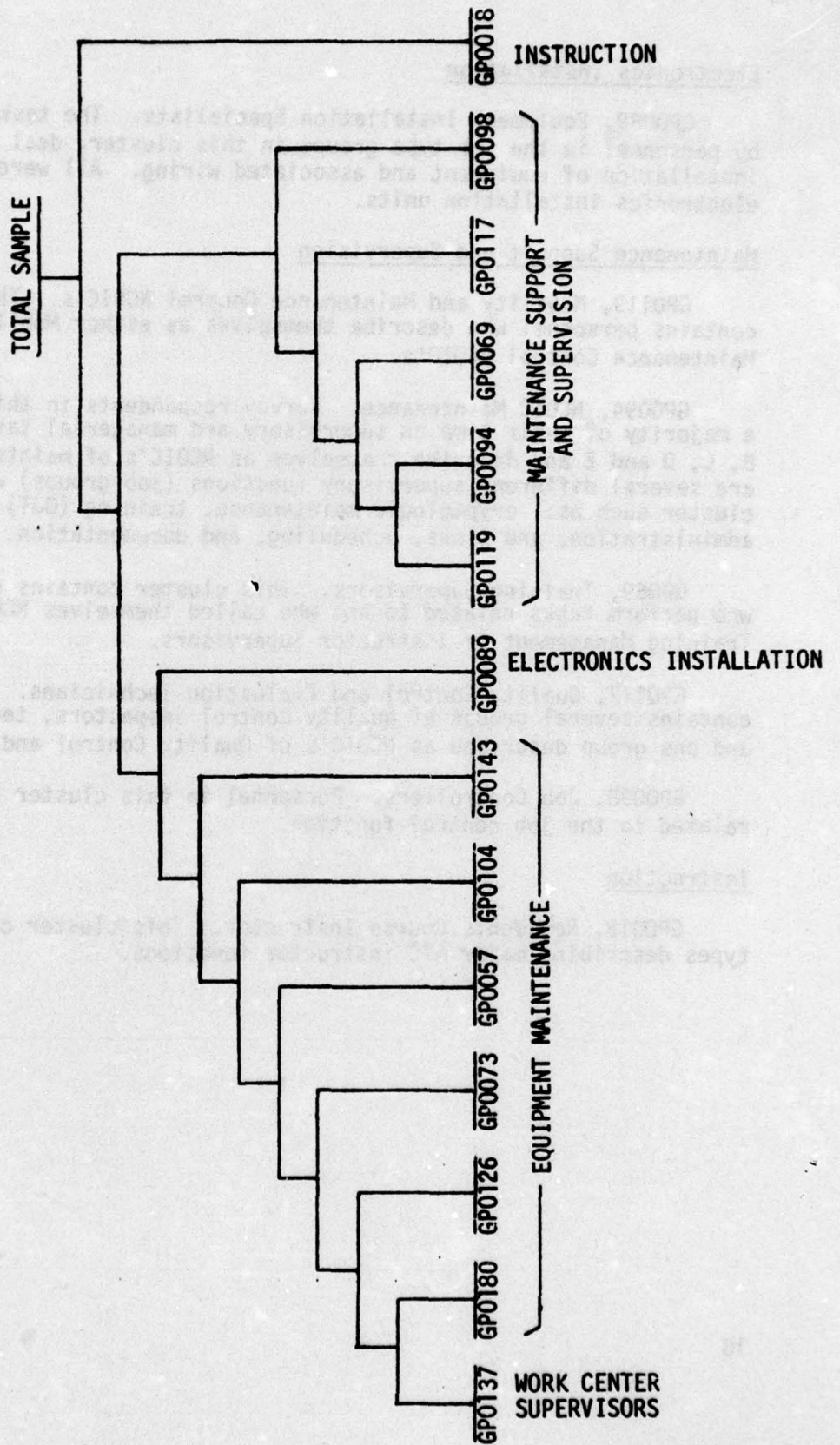
GP0057, KW-7 Specialists. The thread of commonality among incumbents in the job types within this cluster is the large amount of time spent maintaining the KW-7.

GP0104, Teletype Maintenance Specialists. This small job type contains survey respondents who primarily perform maintenance on teletype equipment. Ninety percent are assigned to USAFSS.

GP0143, SAC EUR Command Alerting Reporting System (SCARS) Maintenance Specialists. This group of incumbents report the preponderance of their maintenance responsibility is with SCARS.

FIGURE 1

SIMPLIFIED FUNCTIONAL CAREER LADDER STRUCTURE



Electronics Installation

GP0089, Equipment Installation Specialists. The tasks performed by personnel in the job type groups in this cluster, deal with the installation of equipment and associated wiring. All were assigned to electronics installation units.

Maintenance Support and Supervision

GP0119, Mobility and Maintenance Control NCOIC's. This small cluster contains personnel who describe themselves as either Mobility NCOIC's or Maintenance Control NCOIC's.

GP0094, NCOIC Maintenance. Survey respondents in this group spent a majority of their time on supervisory and managerial tasks from Duties A, B, C, D and E and describe themselves as NCOIC's of maintenance. There are several different supervisory functions (job groups) within this cluster such as: cryptologic maintenance, training (OJT) management, administration, and plans, scheduling, and documentation.

GP069, Training Supervisors. This cluster contains respondents who perform tasks related to and who called themselves NCOIC's of Training Management or Instructor Supervisors.

GP0117, Quality Control and Evaluation Technicians. This cluster contains several groups of quality control inspectors, technicians and one group described as NCOIC's of Quality Control and Evaluation.

GP0098, Job Controllers. Personnel in this cluster perform tasks related to the job control function.

Instruction

GP0018, Residents Course Instructor. This cluster contains six job types describing major ATC instructor functions.

TABLE 3

MAJOR JOB GROUPS IDENTIFIED IN FUNCTIONAL
CAREER LADDER STRUCTURE (SEE FIGURE 1)

<u>GROUP ID</u>	<u>JOB TITLE</u>	<u>PERCENT OF SAMPLE</u>
<u>WORK CENTER SUPERVISORS</u>		
GP0137 CLUSTER	WORK CENTER SUPERVISORS	8
<u>EQUIPMENT MAINTENANCE</u>		
GP0180 CLUSTER	KY-3 SPECIALISTS	23
GP0126 CLUSTER	KG-13 SPECIALISTS	30
GP0073 JOB GROUP	KW-26 MAINTENANCE SUPERVISORS	LESS THAN 1
GP0057 CLUSTER	KW-7 SPECIALISTS	4
GP0104 JOB GROUP	TELETYPE MAINTENANCE SPECIALISTS	LESS THAN 1
GP0143 JOB GROUP	SCARS MAINTENANCE SPECIALISTS	LESS THAN 1
<u>ELECTRONICS INSTALLATION</u>		
GP0089 CLUSTER	EQUIPMENT INSTALLATION SPECIALISTS	1
<u>MAINTENANCE SUPPORT AND SUPERVISION</u>		
GP0119 CLUSTER	MOBILITY AND MAINTENANCE CONTROL NCOICS	LESS THAN 1
GP0094 CLUSTER	NCOIC MAINTENANCE	8
GP0069 CLUSTER	TRAINING SUPERVISORS	1
GP0117 CLUSTER	QUALITY CONTROL AND EVALUATION TECHNICIANS	3
GP0098 CLUSTER	JOB CONTROLLERS	3
<u>INSTRUCTION</u>		
GP0018 CLUSTER	RESIDENT COURSE INSTRUCTORS	5
OTHER		12

SKILL LEVEL PROGRESSION

DAFSC 30650

Job incumbents in this group of 1058 respondents (approximately 65 percent of the total sample) spend more time performing technical tasks than members of any other DAFSC group (See Table 4). Twenty percent of their job time is spent Performing General Maintenance Functions (Duty F), 16 percent of their job time is spent Maintaining the KG-13 (Duty I), 10 percent is spent Maintaining the KW-26 (Duty G) and 10 percent of their time is spent on tasks dealing with Maintaining KY-3 (Duty J). The amount of time spent on supervisory tasks is low.

Representative tasks performed by members of this group are presented in Table 5. The highest percentage of personnel performing any one task is 77 percent. Most of the tasks in Table 5 come from the job inventory sections related to Performing General Maintenance Functions (Duty F) and Maintaining the KG-13 (Duty I). Even though two other duties, Maintaining the KW-26 (Duty G) and Maintaining the KY-3 (Duty J) each require 10 percent of the time spent for group members, as a whole. Less than 50 percent of the group members report performing any one task from either of these two duties.

One percent or less of the job time of DAFSC 30650 personnel is spent performing tasks related to maintaining the following pieces of equipment: KY-8, KY-28, KY-38, KY-28 and KG-29, KY-9, KG-24, KWT-37, KWR-37, KG-30 family, KG-20, HN-9, FYC-3 and modems. The time spent figures for tasks concerning these items of equipment are low across all DAFSC groups indicating one or more of the following factors: (1) equipment obsolescence, (2) infrequent use, (3) low maintenance requirements, (4) equipment maintained by more experienced personnel, or (5) the equipment is maintained by personnel in other AFSCs.

TABLE 4

PERCENT TIME SPENT IN DUTIES BY DAFSC GROUPS

DUTY	DAFSC 30650 (N=1058)	DAFSC 30670 (N=496)	DAFSC 30691 (N=51)
A PLANNING AND ORGANIZING	6	18	40
B DIRECTING AND IMPLEMENTING	2	8	18
C INSPECTING AND EVALUATING	2	11	19
D TRAINING	4	10	5
E PERFORMING MAINTENANCE ADMINISTRATION FUNCTIONS	8	11	11
F PERFORMING GENERAL MAINTENANCE FUNCTIONS	20	12	5
G MAINTAINING KW-26	10	5	*
H MAINTAINING HY-2	4	2	*
I MAINTAINING KG-13	16	6	1
J MAINTAINING KY-3	10	5	1
K MAINTAINING KW-7	6	3	*
L MAINTAINING KY-8	*	*	*
M MAINTAINING KY-28	*	*	*
N MAINTAINING KY-38	*	*	*
O MAINTAINING KG-28 AND KG-29	*	*	*
P MAINTAINING KY-9	*	*	*
Q MAINTAINING KG-24	*	*	*
R MAINTAINING KWT-37	*	*	*
S MAINTAINING KWR-37	*	*	*
T KG-30 FAMILY	*	*	*
U MAINTAIN KG-20	*	*	*
V MAINTAINING MODEMS	1	1	*
W ISOLATING MALFUNCTIONS AND REPAIRING ANCILLARY EQUIPMENT	3	2	*
X MAINTAINING HN-9 AND FYC-3	*	*	*
Y INSTALLING, MAINTAINING, MODIFYING, ADJUSTING AND OPERATING ANCILLARY EQUIPMENT	3	2	*
Z PERFORMING PREVENTIVE MAINTENANCE INSPECTIONS ON ANCILLARY EQUIPMENT	1	1	*

* LESS THAN ONE PERCENT

TABLE 5

REPRESENTATIVE TASKS PERFORMED BY DAFSC 30650 RESPONDENTS

TASK	PERCENT PERFORMING
F265 CLEAN OR LUBRICATE EQUIPMENT	77
F264 CHECK WIRING HARNESSSES, CABLES, OR CONNECTIONS	77
F323 SOLDER FAULTY CONNECTIONS	76
F322 SET UP TEST EQUIPMENT	75
F314 REPLACE PANEL LIGHTS, FUSES, OR SWITCHES	73
F326 SOLDER TWO LEAD COMPONENTS	71
F293 PERFORM FACILITY CLEANING FUNCTIONS	69
F325 SOLDER MULTI-LEAD COMPONENTS	68
I428 ISOLATE MALFUNCTIONS TO KG-13	67
I423 ADJUST KG-13 POWER SUPPLY DC VOLTAGES	67
I430 ISOLATE MALFUNCTIONS WITHIN KG-13 KEY GENERATOR	67
F319 RESEARCH PART NUMBERS FOR CRYPTOGRAPHIC EQUIPMENT	66
I426 CORRECT DISCREPANCIES FOUND DURING KG-13 PMIS	64
I432 ISOLATE MALFUNCTIONS WITHIN KG-13 POWER SUPPLY	64
I442 PERFORM KG-13 PMIS	63
I429 ISOLATE MALFUNCTIONS WITHIN KG-13 BUFFER UNIT	63
E220 MAKE ENTRIES ON MAINTENANCE DATA COLLECTION FORMS	62
F292 PAINT EQUIPMENT OR FACILITIES	62
I421 ACCOMPLISH KG-13 MODIFICATIONS	62
F312 REPAIR OR MAINTAIN TEST LEADS	62
I451 REMOVE OR REPLACE KG-13 KEY GENERATOR	61
I453 REMOVE OR REPLACE KG-13 POWER SUPPLY	61
F266 COORDINATE EQUIPMENT FUNCTIONS WITH TECH CONTROLLERS OR DISTANT END USERS	60

DAFSC 30670

There is a marked increase in time spent performing supervisory tasks among 7-skill level personnel. The time spent on tasks concerning Organizing and Planning (Duty A), Directing and Implementing (Duty B), and Inspecting and Evaluating (Duty C), and Training (Duty D) is only 14 percent for survey respondents with a 5-skill level; but for 7-skill level job incumbents tasks from the same four duties account for 47 percent time spent. This shift from technical to supervisory responsibilities is also evident in percent members performing tasks. One hundred sixty-nine tasks are performed by 10 percent or more of the DAFSC 30650 personnel than of the DAFSC 30670 personnel. All of these 169 tasks were from technical duties. On the other hand, 159 tasks were performed by 10 percent or more of the DAFSC 30670 respondents than the DAFSC 30650 respondents. All of these tasks deal with supervision, training, or administration. Tasks representative of these differences are listed in Table 6.

The shift towards supervisory responsibilities is further evidenced by the representative tasks performed by 7-skill level survey respondents (See Table 7). These tasks are performed by relatively small percentages of respondents, which in part is due to the requirement for these job incumbents to perform a number of technical tasks. Supervisory tasks are usually more time consuming.

TABLE 6

REPRESENTATIVE DIFFERENCES IN TASK PERFORMANCE BETWEEN
DAFSC 30650 PERSONNEL AND DAFSC 30670 PERSONNEL

TASK	PERCENT PERFORMING		DIFFERENCE
	DAFSC 30650	DAFSC 30670	
I442 PERFORM KG-13 PMIS	63	33	30
F314 REPLACE PANEL LIGHTS, FUSES, OR SWITCHES	73	43	30
I455 REMOVE OR REPLACE KG-13 SYNCHRONIZERS	62	35	27
I423 ADJUST KG-13 POWER SUPPLY DC VOLTAGES	67	40	27
I461 REPLACE COMPONENTS ON KG-13 KEY GENERATOR PCBS	51	29	22
I431 ISOLATE MALFUNCTIONS WITHIN KG-13 MAIN CHASSIS OR CABINET WIRING	57	36	21
Z1102 PERFORM PMIS ON CRYPTOGRAPHIC ANCILLARY UNITS (CAUS)	43	24	19
G349 ISOLATE MALFUNCTIONS WITHIN KW-26 DRIVER PACKAGE OR CORE BOARDS	44	28	16
F281 ISOLATE VOICE OR AUDIO MALFUNCTIONS	46	31	15
F291 OPERATE TELETYPE MACHINES	34	22	12
B78 COUNSEL PERSONNEL ON PERSONAL OR MILITARY RELATED PROBLEMS	12	58	-46
A37 DRAFT CORRESPONDENCE	14	57	-43
C154 REVIEW CRYPTOGRAPHIC MAINTENANCE AND EXPERIENCE RECORDS (DD FORM 1435)	10	48	-38
A4 ATTEND CONFERENCES, BRIEFINGS, OR MEETINGS	37	67	-30
C155 REVIEW MAINTENANCE DATA COLLECTION RECORDS (AFTO FORM 349)	22	49	-27
C134 EVALUATE COMPLIANCE WITH WORK STANDARDS	7	32	-25
A39 DRAFT MAINTENANCE REPORTS	11	31	-20
B89 DIRECT OR IMPLEMENT OJT PROGRAMS	7	27	-20
C123 ANALYZE MAINTENANCE DATA COLLECTION REPORTS	11	30	-19
A49 PLAN OR PREPARE STATUS BOARDS, CHARTS, OR GRAPHS	20	39	-19

TABLE 7

REPRESENTATIVE TASKS PERFORMED BY DAFSC 30670 RESPONDENTS

TASK	PERCENT PERFORMING
A4 ATTEND CONFERENCES, BRIEFINGS OR MEETINGS	67
B78 COUNSEL PERSONNEL ON PERSONAL OR MILITARY RELATED PROBLEMS	58
A37 DRAFT CORRESPONDENCE	57
F264 CHECK WIRING HARNESSSES, CABLES OR CONNECTIONS	54
F319 RESEARCH PART NUMBERS FOR CRYPTOGRAPHIC EQUIPMENT	53
F322 SET UP TEST EQUIPMENT	53
D175 COUNSEL TRAINEES ON TRAINING PROGRESS	52
F282 LOCATE MAINTENANCE INFORMATION IN TECHNICAL PUBLICATIONS	52
C151 INSPECT INSTALLED, REPAIRED, OR MODIFIED EQUIPMENT	48
D172 CONDUCT PROFICIENCY TRAINING	47
A29 DETERMINE WORK PRIORITIES	46
C156 REVIEW MAINTENANCE RECORDS OR REPORTS	41

DAFSC 30691

The job of the DAFSC 30691 respondents is almost purely supervisory and managerial. A total of 77 percent of their duty time is spent performing tasks from the first three supervisory duties: Organizing and Planning (Duty A), 40 percent; Directing and Implementing (Duty B), 18 percent; and Inspecting and Evaluating (Duty C), 19 percent. Additionally five percent of the duty time of 9-skill level job incumbents is spent in Training (Duty D) and 11 percent Performing Maintenance Administration (Duty E). These five duties account for 93 percent of the time spent for this skill level group.

This group is differentiated from the DAFSC 30670 group by higher percentages of 9-skill level personnel performing supervisory tasks and lower percentages of performing technical tasks; Table 8 illustrates these differences. Representative tasks performed by DAFSC 30691 are presented in Table 9.

TABLE 8

REPRESENTATIVE DIFFERENCES IN TASK PERFORMANCE BETWEEN
DAFSC 30670 PERSONNEL AND DAFSC 30691 PERSONNEL

TASK	PERCENT PERFORMING		DIFFERENCE
	DAFSC 30670	DAFSC 30691	
F264 CHECK WIRING HARNESSSES, CABLES OR CONNECTIONS	54	8	46
F323 SOLDER FAULTY CONNECTIONS	48	6	42
E220 MAKE ENTRIES ON MAINTENANCE DATA COLLECTION FORMS	48	9	39
I423 ADJUST KG-13 POWER SUPPLY DC VOLTAGES	40	4	36
I428 ISOLATE MALFUNCTIONS TO KG-13	45	12	33
G352 ISOLATE MALFUNCTIONS WITHIN KW-26 MAIN CHASSIS OR CABINET WIRING	26	0	26
C155 REVIEW MAINTENANCE DATA COLLECTION RECORDS (AFTO FORM 349)	49	24	25
F226 PREPARE CONDITION STATUS TAGS (DD FORMS 1574, 1577, AND 1577-2)	36	12	24
A2 ASSIGN PERSONNEL TO DUTY POSITIONS	22	76	-55
A5 CONDUCT CONFERENCES, BRIEFINGS, OR MEETINGS	35	86	-51
A9 COORDINATE WITH CHIEF OF MAINTENANCE ON STAFF FUNCTIONS	25	73	-48
A37 DRAFT CORRESPONDENCE	57	94	-37
B79 DIRECT ADMINISTRATIVE FUNCTIONS	16	51	-35
C149 EVALUATE WORK SCHEDULES	25	59	-34
A15 COORDINATE WITH CHIEF OF MAINTENANCE STAFF ON JOB CONTROL	31	65	-34
A49 PLAN OR PREPARE STATUS BOARDS, CHARTS, OR GRAPHS	39	63	-24

TABLE 9
REPRESENTATIVE TASKS PERFORMED BY DAFSC 30691 RESPONDENTS

<u>TASK</u>	<u>PERCENT PERFORMING</u>
A4 ATTEND CONFERENCES, BRIEFINGS OR MEETINGS	98
A37 DRAFT CORRESPONDENCE	94
A5 CONDUCT CONFERENCES, BRIEFINGS, OR MEETINGS	86
C163 WRITE OR INDORSE AIRMEN PERFORMANCE RATINGS	82
B78 COUNSEL PERSONNEL ON PERSONAL OR MILITARY RELATED PROBLEMS	82
A62 PREPARE OR UNDATE LOCAL OPERATING INSTRUCTIONS	80
A3 ASSIGN SPONSORS FOR NEWLY ASSIGNED PERSONNEL	76
A39 DRAFT MAINTENANCE REPORTS	67
A51 PLAN OR SCHEDULE WORK ASSIGNMENTS	61
C124 ANALYZE SHOP OPERATIONS AND PROCEDURES	55

AFM 39-1 SPECIALTY DESCRIPTIONS

Specialty descriptions for AFS 306X0/91 in AFM 39-1 were compared with survey data. With one exception the present specialty descriptions appear adequate. The exception is electronics installation. Survey data show clearly that electronics installation tasks are performed by DAFSC 306X0 personnel; however, the current AFM 39-1 specialty descriptions do not adequately represent these tasks.

AFM 39-1 specialty descriptions were compared with survey data. With one exception the present specialty descriptions appear adequate. The exception is electronics installation. Survey data show clearly that electronics installation tasks are performed by DAFSC 306X0 personnel; however, the current AFM 39-1 specialty descriptions do not adequately represent these tasks.

A correlative trend across AFM groups is a general decrease in time spent on tasks in several technical areas, as time is active and increases. These duties are performed by AFM groups (AFM-1, AFM-2, AFM-3, AFM-4, AFM-5, AFM-6, AFM-7, AFM-8, AFM-9, AFM-10, AFM-11, AFM-12, AFM-13, AFM-14, AFM-15, AFM-16, AFM-17, AFM-18, AFM-19, AFM-20, AFM-21, AFM-22, AFM-23, AFM-24, AFM-25, AFM-26, AFM-27, AFM-28, AFM-29, AFM-30, AFM-31, AFM-32, AFM-33, AFM-34, AFM-35, AFM-36, AFM-37, AFM-38, AFM-39, AFM-40, AFM-41, AFM-42, AFM-43, AFM-44, AFM-45, AFM-46, AFM-47, AFM-48, AFM-49, AFM-50, AFM-51, AFM-52, AFM-53, AFM-54, AFM-55, AFM-56, AFM-57, AFM-58, AFM-59, AFM-60, AFM-61, AFM-62, AFM-63, AFM-64, AFM-65, AFM-66, AFM-67, AFM-68, AFM-69, AFM-70, AFM-71, AFM-72, AFM-73, AFM-74, AFM-75, AFM-76, AFM-77, AFM-78, AFM-79, AFM-80, AFM-81, AFM-82, AFM-83, AFM-84, AFM-85, AFM-86, AFM-87, AFM-88, AFM-89, AFM-90, AFM-91, AFM-92, AFM-93, AFM-94, AFM-95, AFM-96, AFM-97, AFM-98, AFM-99, AFM-100).

Across AFM groups, a general amount of time is spent on tasks dealing with maintaining systems (AFM-1) and testing maintainers, and Repairing facility equipment (AFM-2). AFM-3, AFM-4, AFM-5, AFM-6, AFM-7, AFM-8, AFM-9, AFM-10, AFM-11, AFM-12, AFM-13, AFM-14, AFM-15, AFM-16, AFM-17, AFM-18, AFM-19, AFM-20, AFM-21, AFM-22, AFM-23, AFM-24, AFM-25, AFM-26, AFM-27, AFM-28, AFM-29, AFM-30, AFM-31, AFM-32, AFM-33, AFM-34, AFM-35, AFM-36, AFM-37, AFM-38, AFM-39, AFM-40, AFM-41, AFM-42, AFM-43, AFM-44, AFM-45, AFM-46, AFM-47, AFM-48, AFM-49, AFM-50, AFM-51, AFM-52, AFM-53, AFM-54, AFM-55, AFM-56, AFM-57, AFM-58, AFM-59, AFM-60, AFM-61, AFM-62, AFM-63, AFM-64, AFM-65, AFM-66, AFM-67, AFM-68, AFM-69, AFM-70, AFM-71, AFM-72, AFM-73, AFM-74, AFM-75, AFM-76, AFM-77, AFM-78, AFM-79, AFM-80, AFM-81, AFM-82, AFM-83, AFM-84, AFM-85, AFM-86, AFM-87, AFM-88, AFM-89, AFM-90, AFM-91, AFM-92, AFM-93, AFM-94, AFM-95, AFM-96, AFM-97, AFM-98, AFM-99, AFM-100).

DISCUSSION OF AFMS GROUPS

There is a steady increase in time spent on tasks related to training, supervision, and administration (Duties A through E) from the 12-24 months AFMS group (10 percent time spent) through the 97-144 months AFMS group (39 percent time spent). Approximately 10 percent more time is spent on these tasks by members of each succeeding AFMS group (See Table 10). However, for personnel with 145-192 months AFMS, there is a dramatic increase with time spent on training, supervisory, and administrative tasks jumping to 60 percent of duty time. Members' of the next group, 193-240 months AFMS, spend only six percent more time on tasks from Duties A through E. There is another large increase in time spent on training, supervision, and administration tasks among personnel with 241+ months AFMS. For job incumbents in that group the figure reaches 83 percent of duty time spent on supervisory and administrative tasks. On the whole then, the performance of technical tasks is primarily the responsibility of incumbents with 12 to 144 months AFMS. For survey respondents with 145 or more months AFMS supervision becomes the primary responsibility.

A correlative trend across AFMS groups is a general decrease in time spent on tasks in several technical duties, as time on active duty increases. These duties are Performing General Maintenance Functions (Duty F), Maintaining KW-26 (Duty G), Maintaining KG-13 (Duty I), Maintaining KY-3 (Duty J), and Maintaining KW-7 (Duty K). Time spent on Maintaining HY-2 (Duty H) tasks rises slightly for personnel with 24-48 months AFMS in comparison to personnel with 12-24 months AFMS. Then there is a decrease in time spent on tasks from Duty H by job incumbents in their second and third enlistments.

Across AFMS groups small amounts of time are spent on tasks dealing with Maintaining Modems (Duty V) and Isolating Malfunctions, and Repairing Ancillary Equipment (Duty W), Installing, Maintaining, Modifying, Adjusting and Operating Ancillary Equipment (Duty Y), and Performing Preventive Maintenance Inspections on Ancillary Equipment (Duty Z). Virtually no time is spent maintaining a number of systems by members of any AFMS group. These systems are: KY-8; KY-28; KY-38; KG-28; KG-29; KY-9; KG-24; KWT-37; KWR-37; KG-30 family; KG-20; HN-9; and FYC-3.

TABLE 10
PERCENT TIME SPENT IN DUTIES BY AFMS GROUPS

DUTY	PERCENT TIME SPENT										
	6-24	25-48	49-96	97-144	145-192	193-240	241+	MOS	AFMS	MOS	AFMS
A PLANNING AND ORGANIZING	2	5	7	10	18	21	32				
B DIRECTING AND IMPLEMENTING	1	2	3	5	8	9	15				
C INSPECTING AND EVALUATING	1	2	4	7	11	12	17				
D TRAINING	1	2	5	7	10	14	8				
E PERFORMING MAINTENANCE ADMINISTRATION FUNCTIONS	5	7	9	9	13	11	11				
F PERFORMING GENERAL MAINTENANCE FUNCTIONS	25	20	19	17	13	11	7				
G MAINTAINING KW-26	11	11	9	7	5	4	1				
H MAINTAINING KY-2	3	5	4	4	2	1	1				
I MAINTAINING KG-13	24	18	13	10	6	4	2				
J MAINTAINING KY-3	13	11	7	7	3	4	2				
K MAINTAINING KW-7	6	7	7	5	4	2	1				
L MAINTAINING KY-8	*	*	*	*	*	*	*				
M MAINTAINING KY-28	*	*	*	*	*	*	*				
N MAINTAINING KY-38	*	*	*	*	*	*	*				
O MAINTAINING KG-28 AND KG-29	*	*	1	*	*	*	1				
P MAINTAINING KY-9	*	*	*	*	*	*	*				
Q MAINTAINING KG-24	*	*	*	*	*	*	*				
R MAINTAINING KWT-37	*	*	*	*	*	*	*				
S MAINTAINING KWR-37	*	*	*	1	*	*	*				
T KG-30 FAMILY	*	*	1	*	*	*	1				
U MAINTAIN KG-20	*	*	*	*	*	*	*				
V MAINTAINING MODEMS	1	1	1	1	1	1	1				
W ISOLATING MALFUNCTIONS AND REPAIRING ANCILLARY EQUIPMENT	2	3	3	3	2	2	1				
X MAINTAINING HN-9 AND FYC-3	*	*	1	*	*	*	*				
Y INSTALLING, MAINTAINING, MODIFYING, ADJUSTING AND OPERATING ANCILLARY EQUIPMENT	2	3	3	3	2	1	1				
Z PERFORMING PREVENTIVE MAINTENANCE INSPECTIONS ON ANCILLARY EQUIPMENT	1	1	1	1	1	1	1				

* LESS THAN ONE PERCENT

12-24 Months AFMS

The job of this group of 159 job incumbents is centered on tasks from four duties: Performing General Maintenance Functions (Duty F), 25 percent time spent; Maintaining KG-13 (Duty I), 24 percent time spent; Maintaining KY-3 (Duty J), 13 percent time spent; and, Maintaining KW-26 (Duty G), 11 percent time. Ninety-eight percent of the members of this group reported performing at least one task related to Performing General Maintenance Functions (Duty F), 90 percent accomplish at least one task dealing with Maintaining KG-13 (Duty I). This indicates that although the maintenance of the KY-3 and KW-26 are not performed by large percentages of 12-24 months AFMS respondents, such tasks are very time consuming for those people who do perform that maintenance. Conversely, at least one Maintenance Administration (Duty E) task is performed by a high percentage, 86 percent, of personnel; but, on the average, only five percent of the group members job time is required.

Table 11 lists representative tasks performed by first job assignment personnel from Duty F, Performing General Maintenance Functions. Table 12 depicts representative tasks related to Maintaining the KG-13 (Duty I) and Maintaining the KW-26 (Duty G). Tasks from these two duties were chosen because they are performed by relatively high percentages of personnel and are time consuming.

TABLE 11

TASKS REPRESENTATIVE OF GENERAL MAINTENANCE FUNCTIONS PERFORMED
BY SURVEY RESPONDENTS WITH 12-24 MONTHS IN CAREER FIELD

TASK	PERCENT PERFORMING
F264 CHECK WIRING HARNESSSES, CABLES OR CONNECTIONS	84
F314 REPLACE PANEL LIGHTS, FUSES OR SWITCHES	84
F265 CLEAN OR LUBRICATE EQUIPMENT	83
F323 SOLDER FAULTY CONNECTIONS	83
F332 SET UP TEST EQUIPMENT	82
F326 SOLDER TWO LEAD COMPONENTS	81
F263 ASSEMBLE OR DISASSEMBLE EQUIPMENT	76
F325 SOLDER MULTI-LEAD COMPONENTS	70
F319 RESEARCH PART NUMBERS FOR CRYPTOGRAPHIC EQUIPMENT	67
F312 REPAIR OR MAINTAIN TEST LEADS	67
F266 COORDINATE EQUIPMENT FUNCTIONS WITH TECH CONTROLLERS OR DISTANT END USERS	58
F261 ANALYZE MALFUNCTIONS FOR POSSIBLE CRYPTOLOGIC FAILURE	56
F327 STENCIL, LETTER, OR INSTALL DECALS ON EQUIPMENT	56
F309 REMOVE CORROSION FROM EQUIPMENT	53
F305 PERFORM TEMPEST INSPECTIONS	45

TABLE 12

TASKS REPRESENTATIVE OF EQUIPMENT MAINTENANCE FUNCTIONS PERFORMED BY SURVEY RESPONDENTS WITH 12-24 MONTHS IN CAREER FIELD

TASK	PERCENT PERFORMING
I442 PERFORM KG-13 PMIS	76
I426 CORRECT DISCREPANCIES FOUND DURING KG-13 PMIS	74
I423 ADJUST KG-13 POWER SUPPLIES DC VOLTAGES	74
I451 REMOVE OR REPLACE KG-13 KEY GENERATOR	72
I428 ISOLATE MALFUNCTIONS TO KG-13	71
I429 ISOLATE MALFUNCTIONS WITHIN KG-13 BUFFER UNIT	71
I421 ACCOMPLISH KG-13 MODIFICATIONS	69
I452 REMOVE OR REPLACE KG-13 KEY GENERATOR PCBS	66
I441 PERFORM KG-13 SECURITY CHANGES, SECURITY CHANGE INSPECTIONS OR ALARM CHECKS	64
I456 REMOVE OR REPLACE KG-13 SYNCHRONIZER PCBS	60
G340 CHECK OPERATION OF KW-26 EQUIPMENT	49
G338 ADJUST KW-26 POWER SUPPLY DC VOLTAGES	45
G358 PERFORM KW-26 PMIS	43
G342 CORRECT DISCREPANCIES FOUND DURING KW-26 PMIS	42
G360 PERFORM KW-26 SECURITY CHANGES, SECURITY CHANGE INSPECTIONS, AND ALARM CHECKS	36

25-48 Months AFMS

Major differences in the tasks performed by job incumbents of this group and members of the 12-24 months AFMS group are that this group has higher percentages of personnel performing a few supervisory and training tasks, and a number of tasks concerned with Maintaining HY-2 (Duty H) and Installing, Maintaining Modifying, Adjusting, and Operating Ancillary Equipment (Duty Y). There were 24 tasks performed by at least 10 percent more respondents with 25-48 months AFMS than 12-24 months AFMS respondents dealing with Maintaining HY-2 (Duty H). There were five tasks from Duty Y performed by 10 percent more 25-48 months AFMS respondents than 12-24 months AFMS respondents; Table 13 shows the performance differences for these two duties.

A majority of the job time (60 percent) of this group of respondents is spent on tasks from four duties: Performing General Maintenance Functions (Duty F), 20 percent; Maintaining KG-13 (Duty I), 18 percent; Maintaining KY-3 (Duty J), 11 percent; and Maintaining KW-26 (Duty G), 11 percent. These figures represent slight decreases from the time spent by the job incumbents in the 12-24 months AFMS group. Slight increases in time spent occur on tasks from the supervisory and administrative duties for members of the 25-48 months AFMS group in comparisons to the personnel in the 12-24 months AFMS group. A high percentage (85 percent) of personnel with 25-48 months AFMS perform one or more task from Performing Maintenance Administration (Duty E); but again, the tasks do not require much time to perform (seven percent time spent for the group as a whole).

Representative tasks performed by the 25-48 months AFMS group are listed in Table 14. One task, E235, Prepare Job Control Documents (JCDS) was included because it was particularly time consuming (four percent time spent on this one task). Apparently there is a small subset of respondents whose primary job is the performance of this and related tasks.

TABLE 13

TASKS DESCRIPTIVE OF JOB PROGRESSION
FROM 12-24 MONTHS AFMS TO 25-48 MONTHS AFMS

TASK	PERCENT PERFORMING		DIFFERENCE
	12-24	25-48	
H386 CHECK HY-2 VOGAD FOR PROPER TRACKING AND VOICE INDICATIONS	13	29	16
H414 REMOVE OR REPLACE HY-2 TRANSMIT PCBS	8	24	16
H412 REMOVE OR REPLACE HY-2 RECEIVE PRINTED CIRCUIT BOARDS	11	27	16
H382 ADJUST HY-2 PITCH CIRCUIT LINEARITY	12	27	15
H381 ADJUST HY-2 OSCILLATOR FREQUENCY IN TEST MODE	12	27	15
H395 CORRECT DISCREPANCIES FOUND DURING HY-2 PMIS	15	30	15
H413 REMOVE OR REPLACE HY-2 TELEPHONE HAND SET	8	22	14
H403 ISOLATE MALFUNCTIONS WITHIN HY-2 TELEPHONE HAND SET	9	23	14
H387 CHECK HY-2 VOGAD FOR SIGNAL-TO-VOICE SPECIFICATIONS	14	28	14
H388 CHECK HY-2 VOGAD OUTPUT GAIN	14	28	14
H398 ISOLATE MALFUNCTIONS TO HY-2	17	31	14
Y1027 ADJUST SWITCHING CONTROL SUB-SYSTEMS (SCS) PRE-EMPT DETECTOR BOARDS	10	24	14
Y1026 ADJUST SCS A5 OR A6 BOARDS	9	22	13
Y1028 ADJUST SCS TONE GENERATOR BOARDS	9	22	13
H380 ADJUST HY-2 BUZZ-HISS	16	29	13
H400 ISOLATE MALFUNCTIONS TO HY-2 RECEIVE CIRCUITRY	12	25	13
H404 ISOLATE MALFUNCTIONS TO HY-2 TRANSMIT CIRCUITRY	11	24	13
H383 ADJUST HY-2 SPECTRUM ANALYZERS A & B CHANNEL LINEARITY	12	25	13
Y1067 MAINTAIN SECOND BOARDS	7	19	12
Y1066 MAINTAIN SCSS	20	32	12
H391 CHECK OR ADJUST HY-2 POWER SUPPLY DC VOLTAGES	18	30	12
H390 CHECK OR ADJUST HY-2 OUTPUT AMPLIFIER	15	27	12
H407 PERFORM HY-2 PMIS	18	30	12
H392 COORDINATE WITH AUTOSEVOCOM NETWORK FACILITY ON HY-2 VOICE QUALITY	17	29	12

**TABLE 13
(CONTINUED)**

**TASKS DESCRIPTIVE OF JOB PROGRESSION
FROM 12-24 MONTHS AFMS TO 25-48 MONTHS AFMS**

TASK	PERCENT PERFORMING		DIFFERENCE
	12-24	25-48	
H384 ADJUST HY-2 VOICE OPERATED GAIN ADJUSTMENT DEVICE (VOGAD)	16	28	12
H402 ISOLATE MALFUNCTIONS WITHIN HY-2 POWER SUPPLY	12	23	11
H399 ISOLATE MALFUNCTIONS WITHIN HY-2 CABINET COMPONENTS	12	23	11
H416 REPLACE COMPONENTS OF HY-2 TRANSMIT PCBS	8	19	11
H385 CHECK HY-2 INPUT JACKS ON FILTERS AT REAR OF CABINET FOR CRACKS	14	25	11

TABLE 14

REPRESENTATIVE TASKS PERFORMED BY RESPONDENTS
WITH 25-48 MONTHS AFMS

TASK	PERCENT PERFORMING
F265 CLEAN OR LUBRICATE EQUIPMENT	79
I423 ADJUST KG-13 POWER SUPPLY DC VOLTAGES	71
I430 ISOLATE MALFUNCTIONS WITHIN KG-13 KEY GENERATOR	71
F263 ASSEMBLE OR DISASSEMBLE EQUIPMENT	70
I433 ISOLATE MALFUNCTIONS WITHIN KG-13 SYNCHRONIZER	70
I442 PERFORM KG-13 PMIS	67
I451 REMOVE OR REPLACE KG-13 KEY GENERATOR	66
I421 ACCOMPLISH KG-13 MODIFICATIONS	66
I453 REMOVE OR REPLACE KG-13 POWER SUPPLY	65
E220 MAKE ENTRIES ON MAINTENANCE DATA COLLECTION FORMS	63
F266 COORDINATE EQUIPMENT FUNCTIONS WITH TECH CONTROLLERS OR DISTANT END USERS	61
E222 MAKE ENTRIES ON REPAIRABLE ITEM PROCESSING TAGS (AFTO FORM 350)	60
F282 LOCATE MAINTENANCE INFORMATION IN TECHNICAL PUBLICATIONS	58
W936 ISOLATE MALFUNCTIONS TO CRYPTO-ANCILLARY UNITS (CAUS)	52
E235 PREPARE JOB CONTROL DOCUMENTS (JCDS) (AF FORM 2445)	15

49-96 Months AFMS (N=229)

As stated earlier in this discussion, supervisory responsibilities slowly become more time consuming with increasing AFMS. Supervisory, training, and administrative tasks take up 38 percent of the job time of the respondents with 49-96 months AFMS. With this increase in time spent on supervisory, training, and administration there is a corresponding decrease in time spent on technical tasks (See Table 10).

This group of respondents has smaller percentages of personnel performing tasks from Maintaining KG-13 (Duty I) and Maintaining KY-3 (Duty J), than the 25-48 months AFMS respondents. Twelve tasks from Maintaining KG-13 (Duty I) were performed by at least 10 percent more of the 25-48 months AFMS respondents than the 49-96 months AFMS respondents; also 16 tasks from Maintaining KY-3 (Duty J) were in this category. (See Table 15).

Conversely, at least 10 percent more of the 49-96 months AFMS respondents perform eight tasks from Organizing and Planning (Duty A), three tasks from Directing and Implementing (Duty B), 10 tasks from Inspecting and Evaluating (Duty C), eight tasks from Training (Duty D), five tasks from Performing Maintenance Administration (Duty E), and three tasks each from Performing General Maintenance Functions (Duty F) and Isolating Malfunctions and Repairing Ancillary Equipment (Duty W). Table 16 shows some tasks representative of the shift in emphasis. These differences are further indications of the increasing role of supervision, training, and administration, as months AFMS increase. However, the vast majority of the job time (72 percent) for respondents with 49-96 months AFMS is spent maintaining equipment (See Table 10), especially the KW-26, HY-2, KG-13, KY-3 and KW-7.

TABLE 15

TASKS PERFORMED BY GREATER PERCENTAGES OF RESPONDENTS
WITH 25-48 MONTHS AFMS THAN 49-96 MONTHS AFMS

TASK	PERCENT PERFORMING		DIFFERENCE
	25-48	49-96	
I439 PERFORM KG-13 RANDOMIZER TESTS WITH OSCILLOSCOPES	39	25	14
I451 REMOVE OR REPLACE KG-13 KEY GENERATOR	66	13	13
I441 PERFORM KG-13 SECURITY CHANGES, SECURITY CHANGE INSPECTIONS, AND ALARM CHECKS	62	50	12
I424 CHECK OPERATION OF KG-13 SPARE EQUIPMENT	62	50	12
I442 PERFORM KG-13 PMIS	67	55	12
I425 COORDINATE WITH DISTANT STATION TO DETERMINE KG-13 SYSTEM OPERATION	58	46	12
J519 REMOVE OR REPLACE KY-3 RECEIVE PRINTED CIRCUIT BOARDS (PCBS)	35	23	12
J512 PERFORM KY-3 PMIS	36	24	12
I426 CORRECT DISCREPANCIES FOUND DURING KG-13 PMIS	69	57	12
J494 COORDINATE WITH AUTOSEVOCOM NETWORK FACILITY ON KY-3 VOICE QUALITY	32	21	11
J510 PERFORM KY-3 SECURITY CHANGES, SECURITY CHANGE INSPECTIONS, AND ALARM CHECKS	31	20	11
J472 ADJUST KY-3 COMPRESSOR BALANCE CONTROL	36	25	11
J498 ESTABLISH KY-3 PLAIN OR CIPHER OPERATION	32	21	11
I428 ISOLATE MALFUNCTIONS TO KG-13	71	60	11
J495 COORDINATE WITH DISTANT STATION TO DETERMINE KY-3 SYSTEM OPERATION	31	20	11
J528 REPLACE COMPONENTS ON KY-3 TRANSMIT PCBS	32	21	11
I423 ADJUST KG-13 POWER SUPPLY DC VOLTAGES	71	60	11
J479 ADJUST KY-3 SIDE TONE LEVEL	35	24	11
J497 CORRECT DISCREPANCIES FOUND DURING KY-3 PMIS	35	24	11
J502 ISOLATE MALFUNCTIONS TO KY-3 RECEIVE CIRCUITRY	35	24	11
I445 PROGRAM KG-13 FOR MODE OF OPERATION	42	31	11

**TABLE 15
(CONTINUED)**

**TASKS PERFORMED BY GREATER PERCENTAGES OF RESPONDENTS
WITH 25-48 MONTHS AFMS THAN 49-96 MONTHS AFMS**

TASK	PERCENT PERFORMING		DIFFERENCE
	25-48	49-96	
J522 REMOVE OR REPLACE KY-3 TRANSMIT PCBS	34	23	11
J531 REPLACE KY-3 POWER SUPPLY COMPONENTS	31	20	11
I455 REMOVE OR REPLACE KG-13 SYNCHRONIZER	66	55	11
J473 ADJUST KY-3 COMPRESSOR GAIN AND CODER CENTERING	35	24	11
J500 ISOLATE MALFUNCTIONS TO KY-3	35	24	11

TABLE 16

REPRESENTATIVE TASK PERFORMANCE DIFFERENCES BETWEEN
PERSONNEL WITH 25-48 MONTHS AFMS AND PERSONNEL WITH 49-96 MONTHS AFMS GROUPS

TASK	PERCENT PERFORMING		DIFFERENCE
	25-48	49-96	
I349 PERFORM KG-13 RANDOMIZER TESTS WITH OSCILLOSCOPES	39	25	14
I451 REMOVE OR REPLACE KG-13 KEY GENERATOR	66	53	13
I442 PERFORM KG-13 PMIS	67	55	12
J619 REMOVE OR REPLACE KY-3 RECEIVE PRINTED CIRCUIT BOARDS (PCBS)	35	23	12
J512 PERFORM KY-3 PMIS	36	24	12
I453 REMOVE OR REPLACE KG-13 POWER SUPPLY	65	55	10
I455 REMOVE OR REPLACE KG-13 SYNCHRONIZER	66	56	10
D176 DEMONSTRATE HOW TO LOCATE TECHNICAL INFORMATION	22	44	-22
D175 COUNSEL TRAINEES ON TRAINING PROGRESS	11	30	-19
D171 CONDUCT OJT	18	35	-17
C155 REVIEW MAINTENANCE DATA COLLECTION RECORDS (AFTO FORM 349)	17	34	-17
A51 PLAN OR SCHEDULE WORK ASSIGNMENTS	10	27	-17
C136 EVALUATE EQUIPMENT TO DETERMINE REPAIR OR REPLACEMENT	17	29	-12
E324 PREPARE ISSUE TURN-IN REQUEST FORMS (AF FORM 2005)	32	42	-10

97-144 Months AFMS (N=241)

Continuation of the trend toward increasing supervisory responsibility, as time on active duty increases, is the most characteristic feature of the tasks performed by members of this group. Differences between this and the preceding groups are that this group's members have consistently higher percentages of personnel performing supervisory and training tasks. Also indicative of the increased supervisory responsibility is the fact that Organizing and Planning (Duty A) is the third most time consuming duty with 10 percent time spent in this duty.

Only three tasks were performed by more than 10 percent of 49-96 months AFMS incumbents than 97-144 months AFMS incumbents. These tasks are listed in Table 17 which also lists tasks that were performed by at least 10 percent or more of incumbents with 97-144 months AFMS than incumbents with 49-96 months AFMS. Twenty-nine tasks fell into this latter category. All 29 tasks came from the supervisory-managerial duties of the inventory.

Table 18 shows tasks representative of the jobs performed by airmen with 97-144 months AFMS. Two tasks were from Performing General Maintenance Functions (Duty F) and another from Maintaining KW-7 (Duty K); the greatest difference was only 12 percent. Twenty-six other tasks were from supervisory or managerial duties (See Table 10).

TABLE 17

REPRESENTATIVE TASK PERFORMANCE DIFFERENCES BETWEEN
PERSONNEL WITH 49-96 MONTHS AFMS AND PERSONNEL WITH 97-144 MONTHS AFMS

TASK	PERCENT PERFORMING		DIFFERENCE
	49-96	97-144	
F309 REMOVE CORROSION FROM EQUIPMENT	52	39	13
F293 PERFORM FACILITY CLEANING FUNCTIONS	70	27	11
K542 CORRECT DISCREPANCIES FOUND DURING KW-7 PMIS	38	27	11
B87 DIRECT MAINTENANCE OR UTILIZATION OF EQUIPMENT	12	22	-10
C138 EVALUATE INDIVIDUAL TRAINING REQUIREMENTS	18	29	-11
D175 COUNSEL TRAINEES ON TRAINING PROGRESS	30	41	-11
E199 CHECK OR FILE HISTORICAL REPORTS	21	32	-11
C155 REVIEW MAINTENANCE DATA COLLECTION RECORDS (AFTO FORM 349)	35	46	-11
A8 COORDINATE LOCAL COMSEC ACCOUNT MATTERS WITH COMSEC ACCOUNT CUSTODIAN	20	32	-12
A33 DEVELOP OR MAINTAIN QUALITY CONTROL PROCEDURES	16	29	-13
A51 PLAN OR SCHEDULE WORK ASSIGNMENTS	27	41	-14
D172 CONDUCT PROFICIENCY TRAINING	28	44	-16
A29 DETERMINE WORK PRIORITIES	26	43	-17

TABLE 18

REPRESENTATIVE TASKS PERFORMED BY RESPONDENTS
WITH 97-144 MONTHS AFMS

TASK	PERCENT PERFORMING
F319 RESEARCH PART NUMBERS FOR CRYPTOGRAPHIC EQUIPMENT	63
I428 ISOLATE MALFUNCTIONS TO KG-13	62
E220 MAKE ENTRIES ON MAINTENANCE DATA COLLECTION FORMS	61
A4 ATTEND CONFERENCES, BRIEFINGS, OR MEETINGS	58
I430 ISOLATE MALFUNCTIONS WITHIN KG-13 KEY GENERATOR	58
D176 DEMONSTRATE HOW TO LOCATE TECHNICAL INFORMATION	56
C163 WRITE OR INDORSE AIRMEN PERFORMANCE RATINGS	50
C155 REVIEW MAINTENANCE DATA COLLECTION RECORDS (AFTO FORM 349)	46
A32 DEVELOP OR IMPROVE WORK METHODS OR PROCEDURES	43
D187 MAINTAIN TRAINING RECORDS, CHARTS, OR GRAPHS	42
D175 COUNSEL TRAINEES ON TRAINING PROGRESS	41
A37 DRAFT CORRESPONDENCE	40
F300 PERFORM QUALITY CONTROL INSPECTIONS	35

145-192 Months AFMS (N=169)

DAFSC 306X0 personnel surveyed with 145-192 months AFMS spend most of their time on tasks related to supervision, training, and administration. These tasks on the average require 60 percent of the job time of the incumbents with 145-192 months AFMS. Correspondingly, there is substantially less time spent on technical tasks.

Table 19 presents representative tasks performed by job incumbents with 145-192 months AFMS. Percent performing figures are somewhat low, which seems to indicate that survey respondents were in a number of separate and specialized jobs.

TABLE 19

REPRESENTATIVE TASKS PERFORMED BY RESPONDENTS WITH 145-192 MONTHS AFMS

TASK	PERCENT PERFORMING
A4 ATTEND CONFERENCES, BRIEFINGS, OR MEETINGS	69
A37 DRAFT CORRESPONDENCE	58
B78 COUNSEL PERSONNEL OR PERSONAL OR MILITARY RELATED PROBELMS	58
C165 WRITE OR INDORSE AIRMEN PERFORMANCE RATINGS	55
D176 DEMONSTRATE HOW TO LOCATE TECHNICAL INFORMATION	54
F264 CHECK WIRING HARNESES, CABLES, OR CONNECTIONS	54
D187 MAINTAIN TRAINING RECORDS, CHARTS OR GRAPHS	50
E220 MAKE ENTRIES ON MAINTENANCE DATA COLLECTION FORMS	49
A51 PLAN OR SCHEDULE WORK ASSIGNMENTS	49
B76 CONDUCT OR PARTICIPATE IN STAFF MEETINGS	47
C156 REVIEW MAINTENANCE RECORDS OR REPORTS	41
A39 DRAFT MAINTENANCE REPORTS	36
A56 DRAFT CHANGES TO LOCAL PUBLICATIONS	32

193-240 Months AFMS (N=125)

Sixty-seven percent of the job time of this group of incumbents is spent on tasks related to supervision, training and administration: Organizing and Planning (Duty A), 20 percent; Directing and Implementing (Duty B), nine percent; Inspecting and Evaluating (Duty C), 12 percent; Training (Duty D), 14 percent; Performing Maintenance Administration (Duty E), 11 percent. In addition, Performing General Maintenance Functions (Duty F) tasks require 11 percent of the job time of these incumbents.

This group of incumbents spends the most time on Training (Duty D) tasks of any AFMS group. Low percent members performing figures have been found on training task in all groups to this point; but, generally, the figures tend to be higher for personnel in this group (14-30 percent performing). Training (Duty D) tasks are for the most part very time consuming (See Table 20). Ten percent of this group of respondents identify themselves as resident course instructors, six percent as training managers, and five percent as OJT trainers.

As shown in Table 21, representative tasks performed by respondents with 193-240 months AFMS, are supervisory. However, there is still a requirement to perform some technical tasks.

TABLE 20

REPRESENTATIVE TASKS FROM TRAINING (DUTY D)
PERFORMED BY RESPONDENTS WITH 193-240 MONTHS AFMS

<u>TASK</u>	<u>PERCENT PERFORMING</u>	<u>PERCENT TIME SPENT*</u>
D173 CONDUCT RESIDENT COURSE CLASSROOM TRAINING	13	12
D180 DEVELOP RESIDENT COURSE CURRICULUM MATERIALS	14	8
D189 PREPARE LESSON PLANS	20	6
D183 EVALUATE PROGRESS OF RESIDENT COURSE STUDENTS	15	5
D166 ADMINISTER OR SCORE TESTS	17	4
D184 EVALUATE TRAINING METHODS, TECHNIQUES OR PROGRAMS	22	3
D175 COUNSEL TRAINEES ON TRAINING PROGRESS	58	2
D176 DEMONSTRATE HOW TO LOCATE TECHNICAL INFORMATION	54	2
D185 IMPLEMENT OR DIRECT TRAINING PROGRAMS	30	2
D187 MAINTAIN TRAINING RECORDS, CHARTS, OR GRAPHS	50	1

* TIME SPENT IS FOR ONLY THOSE PERSONNEL PERFORMING THE TASKS

TABLE 21

REPRESENTATIVE TASKS PERFORMED BY RESPONDENTS
WITH 193-240 MONTHS AFMS

<u>TASK</u>	<u>PERCENT PERFORMING</u>
A4 ATTEND CONFERENCES, BRIEFINGS, OR MEETINGS	70
A37 DRAFT CORRESPONDENCE	62
B78 COUNSEL PERSONNEL ON PERSONAL OR MILITARY RELATED PROBLEMS	60
C163 WRITE OR INDORSE AIRMAN PERFORMANCE RATINGS	58
B76 CONDUCT OR PARTICIPATE IN STAFF MEETINGS	54
A36 DETERMINE PUBLICATIONS REQUIREMENTS	52
C156 REVIEW MAINTENANCE RECORDS OR REPORTS	48
A32 DEVELOP OR IMPROVE WORK METHODS OR PROCEDURES	48
C151 INSPECT INSTALLED, REPAIRED, OR MODIFIED EQUIPMENT	47
A29 DETERMINE WORK PRIORITIES	46

241+ Months AFMS (N=116)

The job of this group of incumbents with more than 20 years on active duty is almost totally supervisory and managerial. In all 83 percent of their time is spent on tasks from the following duties: Organizing and Planning (Duty A), 32 percent; Directing and Implementing (Duty B), 15 percent; Inspecting and Evaluating (Duty C), 17 percent; Training (Duty D), eight percent; and Performing Maintenance Administration (Duty E) 11 percent. Table 22, shows representative tasks for this group respondents.

TABLE 22

REPRESENTATIVE TASKS PERFORMED BY
RESPONDENTS WITH 241+ MONTHS AFMS

TASK	PERCENT PERFORMING
A4 ATTEND CONFERENCES, BRIEFINGS, OR MEETINGS	85
A37 DRAFT CORRESPONDENCE	78
C163 WRITE OR INDORSE AIRMAN PERFORMANCE RATINGS	73
C152 PREPARE ANSWERS TO INSPECTORS	60
A62 PREPARE OR UPDATE LOCAL OPERATING INSTRUCTIONS	60
A14 COORDINATE WITH CHIEF OF MAINTENANCE STAFF ON INSPECTIONS	59
A13 COORDINATE WITH CHIEF OF MAINTENANCE STAFF ON DOCUMENTATION	59
A69 SCHEDULE LEAVES OR PASSES	58
A9 COORDINATE WITH CHIEF OF MAINTENANCE ON STAFF FUNCTIONS	56
A27 DETERMINE REQUIREMENTS FOR SPACE, PERSONNEL, EQUIPMENT OR SUPPLIES	56
A39 DRAFT MAINTENANCE REPORTS	53
A15 COORDINATE WITH CHIEF OF MAINTENANCE STAFF ON JOB CONTROL	53

CONUS VS OVERSEAS TASK PERFORMANCE DIFFERENCES

Some minor task performance differences were found between DAFSC 30650 personnel assigned CONUS and those assigned overseas. Greater percentages of 5-skill level personnel overseas perform tasks from Performing General Maintenance Functions (Duty F) and Maintaining KW-26 (Duty G). There were 99 tasks performed by at least 10 percent more of the overseas personnel than CONUS personnel. Of these 99 tasks, 40 came from Maintaining KW-26 (Duty G), 20 from Performing General Maintenance Functions (Duty F), and 12 from Maintaining KW-7 (Duty K). The remaining 22 tasks came from Inspecting and Evaluating (Duty C), Performing Maintenance Administration Functions (Duty E), Maintaining HY-2 (Duty H), Isolating Malfunctions and Repairing Ancillary Equipment (Duty W), Maintaining HN-9 and FYC-3 (Duty X); Installing, Maintaining, Modifying, Adjusting, and Operating Ancillary Equipment (Duty Y), and Performing Preventive Maintenance Inspection on Ancillary Equipment (Duty Z). Among these 22 tasks, 12 were from the three duties concerned with ancillary equipment (Duties X, Y, and Z). Tasks representative of these differences are presented in Table 23.

There were no tasks performed by at least 10 percent more of the CONUS 5-skill level job incumbents than overseas DAFSC 30650 personnel.

REVIEW OF SPECIALTY TRAINING STANDARD FOR AFS 306X0

The Specialty Training Standard (STS) for AFS 306X0 is written in such a way as to apply to most pieces of equipment maintained by personnel in this specialty. This document is used in conjunction with the Cryptographic Maintenance and Experience Form (DD Form 1435) as a record of training and experience for these personnel.

The STS appears to generally cover the tasks performed by AFS 306X0 personnel and no areas appear to have been omitted.

DISCUSSION OF TRAINING

Special training requirements exist for the basic resident training course 3ABR30630, due to the requirements of the National Security Agency (NSA) and using commands. Data collected from the occupational survey will be forwarded to the technical school for use in evaluating and revising training documents, as the usual ATC criteria for evaluating training courses are not applicable.

PLANS FOR REENLISTMENT, JOB INTEREST, PERCEIVED UTILIZATION OF TALENTS, AND PERCEIVED UTILIZATION OF TRAINING

In the background section of the job inventory there are questions pertaining to reenlistment intentions, job interest, and perceived utilization of talents and perceived utilization of training. Table 24 summarizes the responses to these questions. The data are presented in terms of AFMS groups, with the first enlistment divided into two parts. The first column presents data for personnel on their first job assignment (first 12 months after completing technical training). The second column represents the remaining two years of the first enlistment.

Responses show that 29 percent of first-enlistment personnel plan to reenlist. Intentions to reenlist increase dramatically for personnel in their second and subsequent enlistments. Ninety-six percent of fourth-enlistment personnel report that they will reenlist. After this high point in the fourth enlistment, there is a dramatic drop in reenlistment intentions, apparently due to retirement eligibility.

TABLE 24

PLANS FOR REENLISTMENT, JOB INTEREST, PERCEIVED UTILIZATION OF TALENTS AND PERCEIVED UTILIZATION OF TRAINING

	FIRST ENLISTMENT		ENLISTMENT				TOTAL SAMPLE	RELATED CAREER LADDERS (1971-1975)
	12-24 MOS	25-48 MOS	SECOND	THIRD	FOURTH	FIFTH*		
<u>PLAN TO REENLIST</u>								
NO, AND UNCERTAIN, PROBABLY NO	69	71	43	10	4	48	58	49
YES, AND UNCERTAIN, PROBABLY YES	31	29	57	90	96	52	42	51
<u>JOB INTEREST</u>								
EXTREMELY DULL TO FAIRLY DULL	9	24	17	14	10	5	11	16
SO-SO FAIRLY INTERESTING TO EXTREMELY INTERESTING	20	20	18	10	5	10	10	16
	71	56	65	76	85	85	79	68
<u>UTILIZATION OF TALENTS</u>								
NOT AT ALL OR VERY LITTLE	30	38	33	21	14	12	19	29
FAIRLY WELL TO VERY WELL EXCELLENTLY OR PERFECTLY	67	59	59	67	72	71	63	63
	3	3	8	12	14	17	17	8
<u>UTILIZATION OF TRAINING</u>								
NOT AT ALL OR VERY LITTLE	30	42	34	23	31	20	29	34
FAIRLY WELL TO VERY WELL EXCELLENTLY OR PERFECTLY	67	53	60	67	57	66	54	59
	3	4	5	10	11	13	16	7

* RETIREMENT ELIGIBILITY
** EARLIER STUDIES COMBINED UTILIZATION OF TALENTS AND TRAINING

For airmen in their first job assignment (12-24 months AFMS), 71 percent find their job "fairly interesting" to "extremely interesting". However, among survey respondents in the last two years of their first enlistment, only 56 percent report finding their jobs "fairly interesting" to "extremely interesting". The difference is reflected in an increase in respondents reporting their jobs "fairly dull" to "extremely dull". Second enlistment respondents show a somewhat more favorable attitude towards their jobs, with decreases in the negative and neutral categories and an increase in the positive responses. Job interest continues to increase up through job incumbents in their fifth enlistment. After that there is a small drop among sixth enlistment personnel.

Figures for second enlistment job incumbents are similar to the first enlistment job incumbents. After the second enlistment, the responses are more positive through the end of the fifth enlistment.

Perceptions of the utilization of talents were more negative than perceptions of training utilization. Although the majority of respondents for all reported AFMS groups indicate their talents are utilized at least "fairly well", substantial percentages (20 to 42 percent) report their talents were utilized "not at all" or only "very little".

CONCLUSIONS AND RECOMMENDATIONS

1. Course 3ABR30630 should be reviewed by course personnel to determine if percent performing figures warrant time and emphasis of current training on tasks. This review should also determine if there are tasks with high probability of performance (high percent performing) which are not being trained in 3ABR30630.
2. Specialty descriptions for AFS 306X0/91 should be revised to include electronic installation functions. This responsibility encompasses more than simple equipment installation. Equipment installation mentioned currently appears to reflect only the installation and removal required for maintenance purposes.

207/02

FIGURE 4
DETAILED JOB STRUCTURE OF GP0126

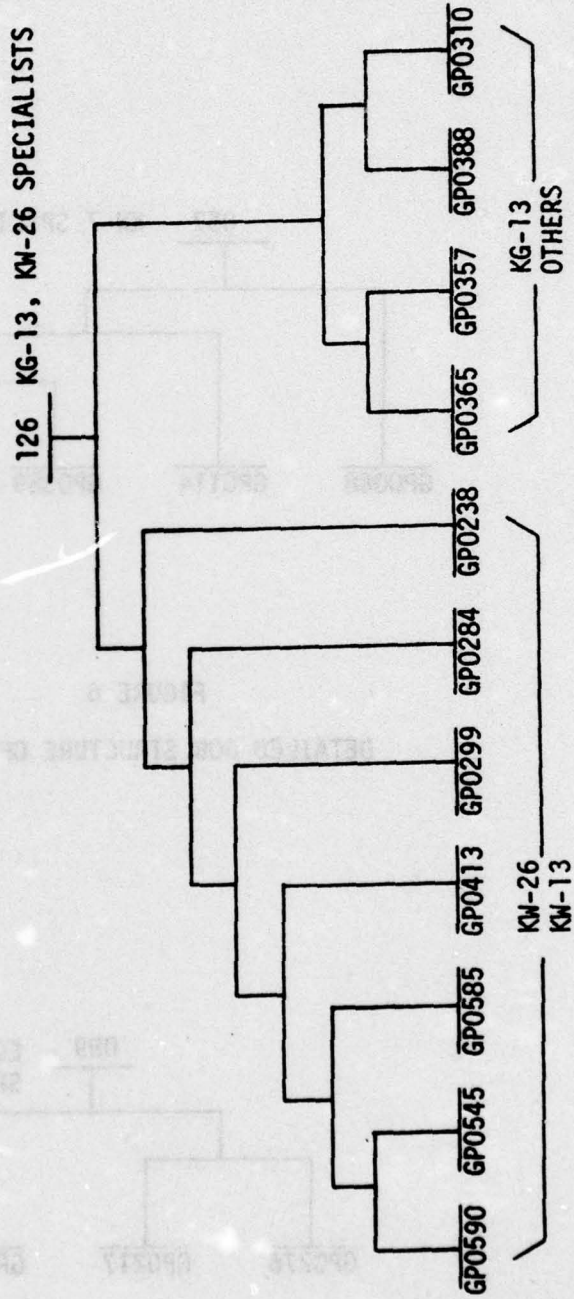


FIGURE 4
DETAILED JOB STRUCTURE OF GP0126

FIGURE 5
DETAILED JOB STRUCTURE OF GP0057

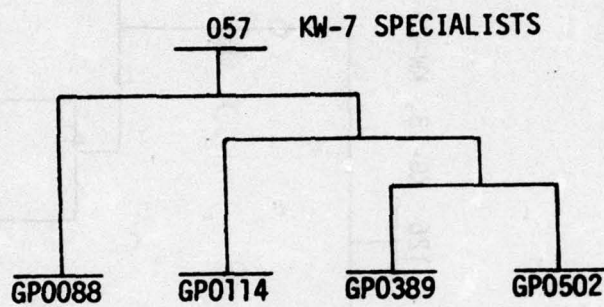


FIGURE 6
DETAILED JOB STRUCTURE OF GP0089

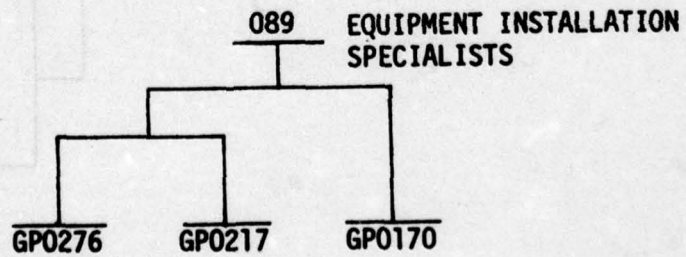


FIGURE 7
DETAILED JOB STRUCTURE OF GP0094

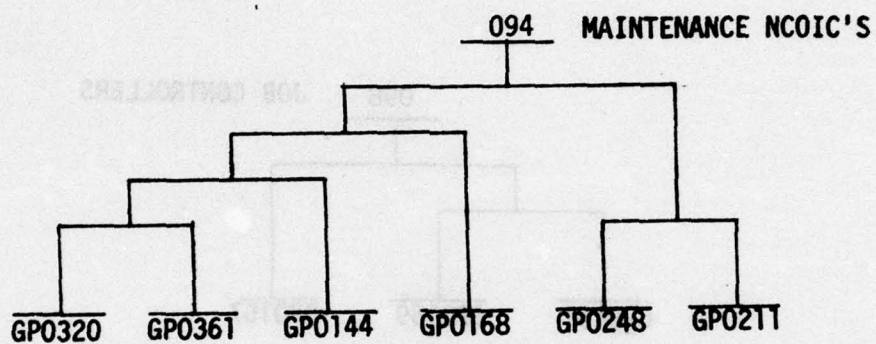


FIGURE 8
DETAILED JOB STRUCTURE OF GP0117

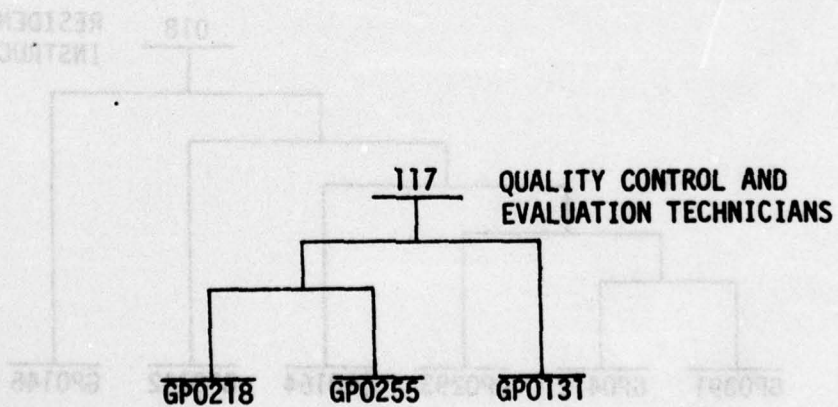


FIGURE 9
DETAILED JOB STRUCTURE OF GP0098

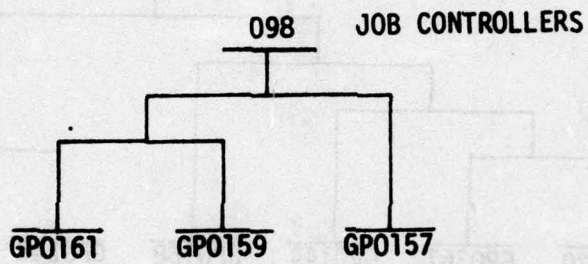
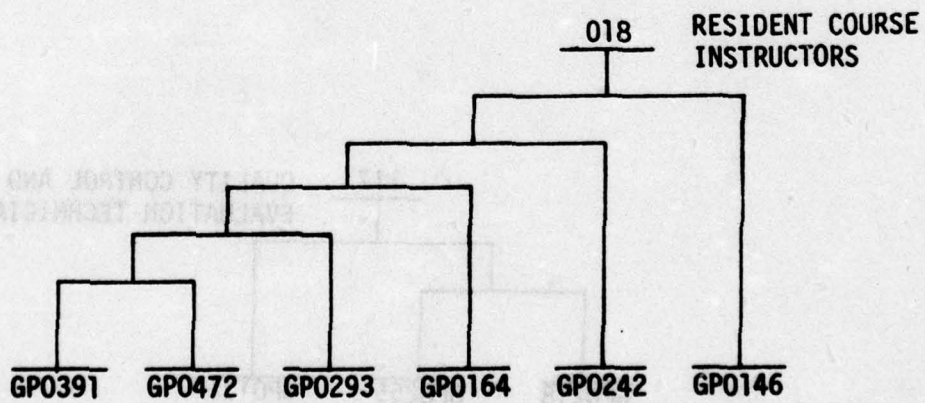


FIGURE 10
DETAILED JOB STRUCTURE OF GP0018



1. THE NUMERICAL VALUES ON THE JOB INTEREST SCALE ARE AS FOLLOWS:

- 1 = EXTREMELY DULL
- 2 = VERY DULL
- 3 = FAIRLY DULL
- 4 = SO-SO
- 5 = FAIRLY INTERESTING
- 6 = VERY INTERESTING
- 7 = EXTREMELY INTERESTING

2. THE NUMERICAL VALUES ON THE FACTOR AND TRAINING SCALES ARE AS FOLLOWS:

- 1 = NOT AT ALL
- 2 = VERY LITTLE
- 3 = FAIRLY WELL
- 4 = QUITE WELL
- 5 = VERY WELL
- 6 = EXCELLENTLY
- 7 = PERFECTLY

APPENDIX B

1. THE NUMERICAL VALUES ON THE JOB INTEREST SCALE ARE AS FOLLOWS:

- 1 = EXTREMELY DULL
- 2 = VERY DULL
- 3 = FAIRLY DULL
- 4 = SO-SO
- 5 = FAIRLY INTERESTING
- 6 = VERY INTERESTING
- 7 = EXTREMELY INTERESTING

2. THE NUMERICAL VALUES ON THE TALENTS AND TRAINING SCALES ARE AS FOLLOWS:

- 1 = NOT AT ALL
- 2 = VERY LITTLE
- 3 = FAIRLY WELL
- 4 = QUITE WELL
- 5 = VERY WELL
- 6 = EXCELLENTLY
- 7 = PERFECTLY

GROUP ID NUMBER AND TITLE: GP0137, WORK CENTER SUPERVISORS

PERCENT OF SAMPLE: 8

MAJOR COMMAND DISTRIBUTION: ADC 5% AFCS 58% AFSC 6% ATC 1%
SAC 18% USAFSS 6% OTHER 5%

LOCATION: CONUS 76% OVERSEAS 24%

DAFSC DISTRIBUTION: 30630 (3%), 30650 (37%), 30670 (60%)

AVERAGE GRADE: 5.4

EXPRESSED JOB INTEREST: 5.4

PERCEIVED UTILIZATION OF TALENTS: 3.3

PERCEIVED UTILIZATION OF TRAINING: 3.9

AVERAGE NUMBER OF TASKS PERFORMED: 256

TIME SPENT ON DUTIES:

<u>DUTY</u>	<u>AVERAGE PERCENT TIME SPENT BY ALL MEMBERS</u>
F PERFORMING GENERAL MAINTENANCE FUNCTIONS	15
I MAINTAINING KG-13	12
A PLANNING AND ORGANIZING	12
E PERFORMING MAINTENANCE ADMINISTRATION FUNCTIONS	10
C INSPECTING AND EVALUATING	9

FIVE REPRESENTATIVE TASKS:

<u>TASK</u>	<u>PERCENT MEMBERS PERFORMING</u>
F319 RESEARCH PART NUMBERS FOR CRYPTOGRAPHIC EQUIPMENT	94
I430 ISOLATE MALFUNCTIONS WITHIN KG-13 KEY GENERATOR	92
I421 ACCOMPLISH KG-13 MODIFICATIONS	89
A51 PLAN OR SCHEDULE WORK ASSIGNMENTS	73
C151 INSPECT INSTALLED, REPAIRED, OR MODIFIED EQUIPMENT	73

GROUP ID NUMBER AND TITLE: GP0406, KG-13 AND HY-2 TECHNICIANS

PERCENT OF SAMPLE: 2

MAJOR COMMAND DISTRIBUTION: ADC 3% AFCS 52% AFSC 3%
ATC 3% SAC 24% USAFSS 14%

LOCATION: CONUS 59% OVERSEAS 41%

DAFSC DISTRIBUTION: 30650 (45%), 30670 (55%)

AVERAGE GRADE: 5.2

EXPRESSED JOB INTEREST: 5.6

PERCEIVED UTILIZATION OF TALENTS: 4.4

PERCEIVED UTILIZATION OF TRAINING: 4.3

AVERAGE NUMBER OF TASKS PERFORMED: 308

TIME SPENT ON DUTIES:

<u>DUTY</u>	<u>AVERAGE PERCENT TIME SPENT BY ALL MEMBERS</u>
F PERFORMING GENERAL MAINTENANCE FUNCTIONS	13
I MAINTAINING KG-13	13
H MAINTAINING HY-2	10
E PERFORMING MAINTENANCE ADMINISTRATION FUNCTIONS	9
A PLANNING AND ORGANIZING	9

FIVE REPRESENTATIVE TASKS:

<u>TASK</u>	<u>PERCENT MEMBERS PERFORMING</u>
F319 RESEARCH PART NUMBERS FOR CRYPTOGRAPHIC EQUIPMENT	100
I428 ISOLATE MALFUNCTIONS TO KG-13	100
E220 MAKE ENTRIES ON MAINTENANCE DATA COLLECTION FORMS	93
I425 COORDINATE WITH DISTANT STATION TO DETERMINE KG-13 SYSTEM OPERATION	93
H391 CHECK OR ADJUST HY-2 POWER SUPPLY DC VOLTAGES	90

GROUP ID NUMBER AND TITLE: GP0404, WORK CENTER SUPERVISOR/NCOIC OF MAINTENANCE

PERCENT OF SAMPLE: 3

MAJOR COMMAND DISTRIBUTION: ACD 4% AFCS 67% AFSC 12% ATC 2%
SAC 14%

LOCATION: CONUS 74% OVERSEAS 26%

DAFSC DISTRIBUTION: 30630 (2%), 30650 (16%), 30670 (82%)

AVERAGE GRADE: 5.8

EXPRESSED JOB INTEREST: 5.3

PERCEIVED UTILIZATION OF TALENTS: 3.9

PERCEIVED UTILIZATION OF TRAINING: 3.7

AVERAGE NUMBER OF TASKS PERFORMED: 269

TIME SPENT ON DUTIES:

<u>DUTY</u>	<u>AVERAGE PERCENT TIME SPENT BY ALL MEMBERS</u>
A PLANNING AND ORGANIZING	17
E PERFORMING MAINTENANCE ADMINISTRATION FUNCTIONS	14
F PERFORMING GENERAL MAINTENANCE FUNCTIONS	13
C INSPECTING AND EVALUATING	12

FIVE REPRESENTATIVE TASKS:

<u>TASK</u>	<u>PERCENT MEMBERS PERFORMING</u>
D187 MAINTAIN TRAINING RECORDS, CHARTS, OR GRAPHS	98
A37 DRAFT CORRESPONDENCE	96
C155 REVIEW MAINTENANCE DATA COLLECTION RECORDS (AFTO FORM 349)	94
D172 CONDUCT PROFICIENCY TRAINING	92
A29 DETERMINE WORK PRIORITIES	88

GROUP ID NUMBER AND TITLE: GPO245, KG-13 TECHNICIANS

PERCENT OF SAMPLE: 2

MAJOR COMMAND DISTRIBUTION: ADC 5% AFCS 50% AFSC 3%
HQ USAF 3% SAC 5% USAFSS 13%
HQCOMD 6% NO RESPONSE 18%

LOCATION: CONUS 84% OVERSEAS 16%

DAFSC DISTRIBUTION: 30630 (5%), 30650 (55%), 30670 (40%)

AVERAGE GRADE: 5.3

EXPRESSED JOB INTEREST: 5.7

PERCEIVED UTILIZATION OF TALENTS: 4.4

PERCEIVED UTILIZATION OF TRAINING: 4.1

AVERAGE NUMBER OF TASKS PERFORMED: 290

TIME SPENT ON DUTIES:

<u>DUTY</u>	<u>AVERAGE PERCENT TIME SPENT BY ALL MEMBERS</u>
F PERFORMING GENERAL MAINTENANCE FUNCTIONS	20
I MAINTAINING KG-13	14
W ISOLATING MALFUNCTIONS AND REPAIRING ANCILLARY EQUIPMENT	10
K MAINTAINING KW-7	9
G MAINTAINING KW-26	9

FIVE REPRESENTATIVE TASKS:

<u>TASK</u>	<u>PERCENT MEMBERS PERFORMING</u>
I423 ADJUST KG-3 POWER SUPPLY DC VOLTAGES	100
I424 CHECK OPERATION OF KG-13 SPARE EQUIPMENT	95
F289 OPERATE RED-BLACK PATCH FACILITIES	92
F266 COORDINATE EQUIPMENT FUNCTIONS WITH TECH CONTROLLERS OR DISTANT END USERS	89
W937 ISOLATE MALFUNCTIONS TO CRYPTO-CONTROL UNITS	87

GROUP ID NUMBER AND TITLE: GP0165, KG-13 TECHNICIANS/WORK CENTER SUPERVISORS

PERCENT OF SAMPLE: 1

MAJOR COMMAND DISTRIBUTION: ADC 9% AFCS 52% AFSC 4% SAC 35%

LOCATION: CONUS 91% OVERSEAS 9%

DAFSC DISTRIBUTION: 30630 (4%), 30650 (30%), 30670 (65%)

AVERAGE GRADE: 5.4

EXPRESSED JOB INTEREST: 5.1

PERCEIVED UTILIZATION OF TALENTS: 3.5

PERCEIVED UTILIZATION OF TRAINING: 3.7

AVERAGE NUMBER OF TASKS PERFORMED: 124

TIME SPENT ON DUTIES:

DUTY

AVERAGE PERCENT TIME
SPENT BY ALL MEMBERS

I MAINTAINING KG-13	17
F PERFORMING GENERAL MAINTENANCE FUNCTIONS	17
A PLANNING AND ORGANIZING	13
E PERFORMING MAINTENANCE ADMINISTRATION FUNCTIONS	12
C INSPECTING AND EVALUATING	11

FIVE REPRESENTATIVE TASKS:

TASK

PERCENT MEMBERS
PERFORMING

C155 REVIEW MAINTENANCE DATA COLLECTION RECORDS (AFTO FORM 349)	96
E220 MAKE ENTRIES ON MAINTENANCE DATA COLLECTION FORMS	96
F319 RESEARCH PART NUMBERS FOR CRYPTOGRAPHIC EQUIPMENT	91
I423 ADJUST KG-13 POWER SUPPLY DC VOLTAGES	91
E222 MAKE ENTRIES OR REPAIRABLE ITEM PROCESSING TAGS (AFTO FORM 350)	83

GROUP ID NUMBER AND TITLE: GP0180, KY-3 SPECIALISTS

PERCENT OF SAMPLE: 24

MAJOR COMMAND DISTRIBUTION: ADC 7% AFCS 59% AFSC 5% ATC 4%
SAC 21% USAFSS 2% OTHERS 2%

LOCATION: CONUS 79% OVERSEAS 21%

DAFSC DISTRIBUTION: 30630 (10%), 30650 (74%), 30670 (16%)

AVERAGE GRADE: 4.2

EXPRESSED JOB INTEREST: 4.8

PERCEIVED UTILIZATION OF TALENTS: 3.5

PERCEIVED UTILIZATION OF TRAINING: 3.5

AVERAGE NUMBER OF TASKS PERFORMED: 219

TIME SPENT ON DUTIES:

<u>DUTY</u>	<u>AVERAGE PERCENT TIME SPENT BY ALL MEMBERS</u>
J MAINTAINING KY-3	30
F PERFORMING GENERAL MAINTENANCE FUNCTIONS	15
I MAINTAINING KG-13	14
G MAINTAINING KW-26	8

FIVE REPRESENTATIVE TASKS:

<u>TASK</u>	<u>PERCENT MEMBERS PERFORMING</u>
J483 ADJUST KY-3 VOICE OPERATED GAIN ADJUSTMENT DEVICE (VOGAD) SQUELCH CONTROL	99
J512 PERFORM KY-3 PREVENTIVE MAINTENANCE INSPECTIONS (PMIS)	96
J497 CORRECT DISCREPANCIES FOUND DURING KY-3 PMIS	96
J519 REMOVE OR REPLACE KY-3 RECEIVE PRINTED CIRCUIT BOARDS (PCB)	96
F323 SOLDER FAULTY CONNECTIONS	92

GROUP ID NUMBER AND TITLE: GPO437, KY-3, KG-13 SPECIALISTS

PERCENT OF SAMPLE: 17

MAJOR COMMAND DISTRIBUTION: ADC 9% AFCS 66% AFSC 5% ATC 2%
SAC 17% OTHERS 1%

LOCATION: CONUS 77% OVERSEAS 23%

DAFSC DISTRIBUTION: 30630 (9%), 30650 (75%), 30670 (16%)

AVERAGE GRADE: 4.2

EXPRESSED JOB INTEREST: 4.9

PERCEIVED UTILIZATION OF TALENTS: 3.5

PERCEIVED UTILIZATION OF TRAINING: 3.5

AVERAGE NUMBER OF TASKS PERFORMED: 247

TIME SPENT ON DUTIES:

<u>DUTY</u>	<u>AVERAGE PERCENT TIME SPENT BY ALL MEMBERS</u>
J MAINTAINING KY-3	26
I MAINTAINING KG-13	15
F PERFORMING GENERAL MAINTENANCE FUNCTIONS	14
G MAINTAINING KW-26	10

FIVE REPRESENTATIVE TASKS:

<u>TASK</u>	<u>PERCENT MEMBERS PERFORMING</u>
I428 ISOLATE MALFUNCTIONS TO KG-13	99
J512 PERFORM KY-3 PMIS	97
J500 ISOLATE MALFUNCTIONS TO KY-3	97
F322 SET UP TEST EQUIPMENT	96
I442 PERFORM KG-13 PMIS	92

GROUP ID NUMBER AND TITLE: GPO421, KY-3, KG-13 SPECIALISTS

PERCENT OF SAMPLE: 2

MAJOR COMMAND DISTRIBUTION: ADC 3% AFCS 38% AFSC 6% SAC 41%
TAC 3% USAFE 6% USAFSS 3%

LOCATION: CONUS 77% OVERSEAS 23%

DAFSC DISTRIBUTION: 30630 (15%), 30650 (71%), 30670 (15%)

AVERAGE GRADE: 4.1

EXPRESSED JOB INTEREST: 4.6

PERCEIVED UTILIZATION OF TALENTS: 3.2

PERCEIVED UTILIZATION OF TRAINING: 3.1

AVERAGE NUMBER OF TASKS PERFORMED: 187

TIME SPENT ON DUTIES:

<u>DUTY</u>	<u>AVERAGE PERCENT TIME SPENT BY ALL MEMBERS</u>
J MAINTAINING KY-3	30
K MAINTAINING KW-7	21
F PERFORMING GENERAL MAINTENANCE FUNCTIONS	16

FIVE REPRESENTATIVE TASKS:

<u>TASK</u>	<u>PERCENT MEMBERS PERFORMING</u>
J512 PERFORM KY-3 PMIS	100
K545 ISOLATE MALFUNCTIONS TO KW-7	100
J491 CHECK OR ADJUST KY-3 POWER SUPPLY DC VOLTAGES	100
J522 REMOVE OR REPLACE KY-3 TRANSMIT PRINTED CIRCUIT BOARDS (PCBS)	100
K549 ISOLATE MALFUNCTIONS TO KW-7	91

GROUP ID NUMBER AND TITLE: GP0373, KY-3, KG-13, KW-7 SPECIALISTS

PERCENT OF SAMPLE: LESS THAN 1

MAJOR COMMAND DISTRIBUTION: AFCS 50% ATC 25% SAC 13% USAFSS 12%

LOCATION: CONUS 75% OVERSEAS 25%

DAFSC DISTRIBUTION: 30630 (38%), 30650 (62%)

AVERAGE GRADE: 3.8

EXPRESSED JOB INTEREST: 4.9

PERCEIVED UTILIZATION OF TALENTS: 3.1

PERCEIVED UTILIZATION OF TRAINING: 3.8

AVERAGE NUMBER OF TASKS PERFORMED: 114

TIME SPENT ON DUTIES:

<u>DUTY</u>	<u>AVERAGE PERCENT TIME SPENT BY ALL MEMBERS</u>
J MAINTAINING KY-3	29
I MAINTAINING KG-13	24
K MAINTAINING KW-7	12
F PERFORMING GENERAL MAINTENANCE FUNCTIONS	11

FIVE REPRESENTATIVE TASKS:

<u>TASK</u>	<u>PERCENT MEMBERS PERFORMING</u>
J512 PERFORM KY-3 PMIS	100
I442 PERFORM KG-13 PMIS	100
J475 ADJUST KY-3 NOISE AMPLITUDE	100
I432 ISOLATE MALFUNCTIONS WITHIN KG-13 POWER SUPPLY	100
J469 ADJUST KY-3 AUTOMATIC FREQUENCY CONTROL (AFC)	100

GROUP ID NUMBER AND TITLE: GPO256, KY-3 SPECIALISTS

PERCENT OF SAMPLE: 3

MAJOR COMMAND DISTRIBUTION: AFCS 35% AFSC 6% ATC 14% SAC 29% USAFSS 14%

LOCATION: CONUS 94% OVERSEAS 2% NO REPLY 4%

DAFSC DISTRIBUTION: 30630 (8%), 30650 (80%), 30670 (10%), NO REPLY 2%

AVERAGE GRADE: 4.0

EXPRESSED JOB INTEREST: 4.7

PERCEIVED UTILIZATION OF TALENTS: 3.4

PERCEIVED UTILIZATION OF TRAINING: 4.9

AVERAGE NUMBER OF TASKS PERFORMED: 100

TIME SPENT ON DUTIES:

<u>DUTY</u>	<u>AVERAGE PERCENT TIME SPENT BY ALL MEMBERS</u>
J MAINTAINING KY-3	57
F PERFORMING GENERAL MAINTENANCE FUNCTIONS	16

FIVE REPRESENTATIVE TASKS:

<u>TASK</u>	<u>PERCENT MEMBERS PERFORMING</u>
J486 CHECK KY-3 CIRCUIT RESPONSE, USING DISTORTION ANALYZER	100
J478 ADJUST KY-3 RECEIVER AUDIO GAIN	100
J471 ADJUST KY-3 CODER (32 WEIGHT)	100
J473 ADJUST KY-3 COMPRESSOR GAIN AND CODER CENTERING	98
J492 CHECK OR ADJUST KY-3 RECEIVE OSCILLATOR FREQUENCY OR PHASE	86

GROUP ID NUMBER AND TITLE: GPO304, KY-3 MAINTENANCE SUPERVISORS

PERCENT OF SAMPLE: LESS THAN 1

MAJOR COMMAND DISTRIBUTION: AFCS 67% AFSC 17% SAC 16%

LOCATION: CONUS 100%

DAFSC DISTRIBUTION: 30650 (16%), 30670 (67%), 30691 (17%)

AVERAGE GRADE: 6.0

EXPRESSED JOB INTEREST: 5.8

PERCEIVED UTILIZATION OF TALENTS: 3.8

PERCEIVED UTILIZATION OF TRAINING: 4.2

AVERAGE NUMBER OF TASKS PERFORMED: 160

TIME SPENT ON DUTIES:

<u>DUTY</u>	<u>AVERAGE PERCENT TIME SPENT BY ALL MEMBERS</u>
J MAINTAINING KY-3	28
F PERFORMING GENERAL MAINTENANCE FUNCTIONS	21
C INSPECTING AND EVALUATING	10
E PERFORMING MAINTENANCE ADMINISTRATION FUNCTIONS	10
B DIRECTING AND IMPLEMENTING	7

FIVE REPRESENTATIVE TASKS:

<u>TASK</u>	<u>PERCENT MEMBERS PERFORMING</u>
F281 ISOLATE VOICE OR AUDIO MALFUNCTIONS	100
F300 PERFORM QUALITY CONTROL INSPECTIONS	100
C160 VERIFY ACCURACY OF MAINTENANCE DATA COLLECTION FORMS	100
J490 ESTABLISH KY-3 PLAIN OR CIPHER OPERATION	83
F332 VERIFY NORMAL CONDITION AND FUNCTIONING OF TEMPEST COMPONENTS	83

GROUP ID NUMBER AND TITLE: GP0126, KG-13, KW-26 SPECIALISTS

PERCENT OF SAMPLE: 30

MAJOR COMMAND DISTRIBUTION: ADC 9% AFCS 48% AFLC 1% AFSC 6%
ATC 1% MAC 1% SAC 24% USAFSS 9%

LOCATION: CONUS 78% OVERSEAS 22%

DAFSC DISTRIBUTION: 30630 (10%), 30650 (79%), 30670 (11%)

AVERAGE GRADE: 4.0

EXPRESSED JOB INTEREST: 4.5

PERCEIVED UTILIZATION OF TALENTS: 3.0

PERCEIVED UTILIZATION OF TRAINING: 3.2

AVERAGE NUMBER OF TASKS PERFORMED: 128

TIME SPENT ON DUTIES:

<u>DUTY</u>	<u>AVERAGE PERCENT TIME SPENT BY ALL MEMBERS</u>
I MAINTAINING KG-13	27
F PERFORMING GENERAL MAINTENANCE FUNCTIONS	21
G MAINTAINING KW-26	17

FIVE REPRESENTATIVE TASKS:

<u>TASK</u>	<u>PERCENT MEMBERS PERFORMING</u>
F264 CHECK WIRING HARNESSSES, CABLES, OR CONNECTIONS	90
I428 ISOLATE MALFUNCTIONS TO KG-13	87
I442 PERFORM KG-13 PMIS	84
I424 CHECK OPERATION OF KG-13 SPARE EQUIPMENT	80
F266 COORDINATE EQUIPMENT FUNCTIONS WITH TECH CONTROLLERS OR DISTANT END USERS	75

GROUP ID NUMBER AND TITLE: GP0590, KW-26, KG-13 SPECIALISTS

PERCENT OF SAMPLE: 3

MAJOR COMMAND DISTRIBUTION: ADC 4% AFCS 57% ATC 2% SAC 17% USAFSS 18%

LOCATION: CONUS 70% OVERSEAS 30%

DAFSC DISTRIBUTION: 30630 (2%), 30650 (77%), 30670 (22%)

AVERAGE GRADE: 4.3

EXPRESSED JOB INTEREST: 5.0

PERCEIVED UTILIZATION OF TALENTS: 3.8

PERCEIVED UTILIZATION OF TRAINING: 3.8

AVERAGE NUMBER OF TASKS PERFORMED: 188

TIME SPENT ON DUTIES:

<u>DUTY</u>	<u>AVERAGE PERCENT TIME SPENT BY ALL MEMBERS</u>
G MAINTAINING KW-26	22
I MAINTAINING KG-13	21
F PERFORMING GENERAL MAINTENANCE FUNCTIONS	16
K MAINTAINING KW-7	13

FIVE REPRESENTATIVE TASKS:

<u>TASK</u>	<u>PERCENT MEMBERS PERFORMING</u>
G342 CORRECT DISCREPANCIES FOUND DURING KW-26 PMIS	100
I426 CORRECT DISCREPANCIES FOUND DURING KG-13 PMIS	100
G340 CHECK OPERATION OF KW-26 EQUIPMENT	98
G358 PERFORM KW-26 PMIS	98
I430 ISOLATE MALFUNCTIONS WITHIN KG-13 KEY GENERATOR	98

GROUP ID NUMBER AND TITLE: GPO545, KG-13, KW-26 SPECIALISTS

PERCENT OF SAMPLE: 8

MAJOR COMMAND DISTRIBUTION: ADC 6% AFCS 65% AFLC 1% AFSC 9%
ATC 1% MAC 1% SAC 7% USAFSS 11%

LOCATION: CONUS 77% OVERSEAS 23%

DAFSC DISTRIBUTION: 30630 (16%), 30650 (75%), 30670 (9%)

AVERAGE GRADE: 4.0

EXPRESSED JOB INTEREST: 4.4

PERCEIVED UTILIZATION OF TALENTS: 2.5

PERCEIVED UTILIZATION OF TRAINING: 3.1

AVERAGE NUMBER OF TASKS PERFORMED: 119

TIME SPENT ON DUTIES:

<u>DUTY</u>	<u>AVERAGE PERCENT TIME SPENT BY ALL MEMBERS</u>
I MAINTAINING KG-13	32
G MAINTAINING KW-26	31
F PERFORMING GENERAL MAINTENANCE FUNCTIONS	20

FIVE REPRESENTATIVE TASKS:

<u>TASK</u>	<u>PERCENT MEMBERS PERFORMING</u>
G340 CHECK OPERATION OF KW-26 EQUIPMENT	98
I433 ISOLATE MALFUNCTIONS WITHIN KG-13 SYNCHRONIZER	98
I424 CHECK OPERATION OF KG-13 SPARE EQUIPMENT	97
G365 REMOVE AND REPLACE KW-26 DRIVER PACKAGES OR CORE BOARDS	97
G306 PERFORM KW-26 SECURITY CHANGES, SECURITY CHANGE INSPECTIONS, AND ALARM CHECKS	87

GROUP ID NUMBER AND TITLE: GPO585, KW-26, KG-13, HY-2 SPECIALISTS

PERCENT OF SAMPLE: LESS THAN 1

MAJOR COMMAND DISTRIBUTION: AFCS 20% SAC 80%

LOCATION: CONUS 100%

DAFSC DISTRIBUTION: 30650 (100%)

AVERAGE GRADE: 3.8

EXPRESSED JOB INTEREST: 4.6

PERCEIVED UTILIZATION OF TALENTS: 2.8

PERCEIVED UTILIZATION OF TRAINING: 3.6

AVERAGE NUMBER OF TASKS PERFORMED: 104

TIME SPENT ON DUTIES:

<u>DUTY</u>	<u>AVERAGE PERCENT TIME SPENT BY ALL MEMBERS</u>
F PERFORMING GENERAL MAINTENANCE FUNCTIONS	27
G MAINTAINING KW-26	22
I MAINTAINING KG-13	17
H MAINTAINING HY-2	11

FIVE REPRESENTATIVE TASKS:

<u>TASK</u>	<u>PERCENT MEMBERS PERFORMING</u>
I442 PERFORM KG-13 PMIS	100
G340 CHECK OPERATION OF KW-26 EQUIPMENT	100
I428 ISOLATE MALFUNCTIONS TO KG-13	100
Z1107 PERFORM PMIS ON SCSS	100
G367 REMOVE OR REPLACE KW-26 OUTPUT RELAY	100

GROUP ID NUMBER AND TITLE: GPO413, KW-26, KG-13 SPECIALISTS

PERCENT OF SAMPLE: LESS THAN 1

MAJOR COMMAND DISTRIBUTION: AFCS 70% AFSC 20% USAFSS 10%

LOCATION: CONUS 80% OVERSEAS 20%

DAFSC DISTRIBUTION: 30650 (90%), 30670 (10%)

AVERAGE GRADE: 4.2

EXPRESSED JOB INTEREST: 4.1

PERCEIVED UTILIZATION OF TALENTS: 3.1

PERCEIVED UTILIZATION OF TRAINING: 2.8

AVERAGE NUMBER OF TASKS PERFORMED: 60

TIME SPENT ON DUTIES:

<u>DUTY</u>	<u>AVERAGE PERCENT TIME SPENT BY ALL MEMBERS</u>
G MAINTAINING KW-26	37
I MAINTAINING KG-13	26
F PERFORMING GENERAL MAINTENANCE FUNCTIONS	22

FIVE REPRESENTATIVE TASKS:

<u>TASK</u>	<u>PERCENT MEMBERS PERFORMING</u>
G358 PERFORM KW-26 PMIS	100
G365 REMOVE AND REPLACE KW-26 DRIVER PACKAGES OR CORE BOARDS	100
I426 CORRECT DISCREPANCIES FOUND DURING KG-13 PMIS	90
F266 COORDINATE EQUIPMENT FUNCTIONS WITH TECH CONTROLLERS OR DISTANT END USERS	90
I442 PERFORM KG-13 PMIS	80

GROUP ID NUMBER AND TITLE: GPO299, KW-26, KW-7 SPECIALISTS

PERCENT OF SAMPLE: 2

MAJOR COMMAND DISTRIBUTION: ADC 3% AFCS 28% AFSC 6% SAC 36% USAFSS 25%

LOCATION: CONUS 64% OVERSEAS 36%

DAFSC DISTRIBUTION: 30650 (86%), 30670 (14%)

AVERAGE GRADE: 4.3

EXPRESSED JOB INTEREST: 4.2

PERCEIVED UTILIZATION OF TALENTS: 2.8

PERCEIVED UTILIZATION OF TRAINING: 2.9

AVERAGE NUMBER OF TASKS PERFORMED: 149

TIME SPENT ON DUTIES:

<u>DUTY</u>	<u>AVERAGE PERCENT TIME SPENT BY ALL MEMBERS</u>
G MAINTAINING KW-26	28
F PERFORMING GENERAL MAINTENANCE FUNCTIONS	22
K MAINTAINING KW-7	21

FIVE REPRESENTATIVE TASKS:

<u>TASK</u>	<u>PERCENT MEMBERS PERFORMING</u>
G342 CORRECT DISCREPANCIES FOUND DURING KW-26 (PMIS)	100
G349 ISOLATE MALFUNCTIONS WITHIN KW-26 DRIVER PACKAGE OR CORE BOARDS	94
G322 SET UP TEST EQUIPMENT	94
K542 CORRECT DISCREPANCIES FOUND DURING KW-7 PMIS	92
K558 PERFORM KW-7 PMIS	89

GROUP ID NUMBER AND TITLE: GPO284, KW-26 SPECIALISTS

PERCENT OF SAMPLE: 1

MAJOR COMMAND DISTRIBUTION: AFCS 64% MAC 7% PACAF 7% SAC 21%

LOCATION: CONUS 14% OVERSEAS 86%

DAFSC DISTRIBUTION: 20650 (86%), 30670 (14%)

AVERAGE GRADE: 4.3

EXPRESSED JOB INTEREST: 4.1

PERCEIVED UTILIZATION OF TALENTS: 3.0

PERCEIVED UTILIZATION OF TRAINING: 2.9

AVERAGE NUMBER OF TASKS PERFORMED: 77

TIME SPENT ON DUTIES:

<u>DUTY</u>	<u>AVERAGE PERCENT TIME SPENT BY ALL MEMBERS</u>
G MAINTAINING KW-26	44
F PERFORMING GENERAL MAINTENANCE FUNCTIONS	28
E PERFORMING MAINTENANCE ADMINISTRATION	13

FIVE REPRESENTATIVE TASKS:

<u>TASK</u>	<u>PERCENT MEMBERS PERFORMING</u>
G340 CHECK OPERATION OF KW-26 EQUIPMENT	100
G345 ISOLATE MALFUNCTIONS TO KW-26	100
F323 SOLDER FAULTY CONNECTIONS	100
G336 ADJUST KW-26 OSCILLATOR FREQUENCY	93
E220 MAKE ENTRIES ON MAINTENANCE DATA COLLECTION FORMS	86

GROUP ID NUMBER AND TITLE: GPO238, KG-13, KW-7 SPECIALISTS, MOBILE AND AIRBORNE

PERCENT OF SAMPLE: 3

MAJOR COMMAND DISTRIBUTION: ADC 17% AFCS 48% AFSC 9% SAC 20%
TAC 2% USAFSS 4%

LOCATION: CONUS 94% OVERSEAS 6%

DAFSC DISTRIBUTION: 30630 (13%), 30650 (70%), 30570 (17%)

AVERAGE GRADE: 4.2

EXPRESSED JOB INTEREST: 4.8

PERCEIVED UTILIZATION OF TALENTS: 3.0

PERCEIVED UTILIZATION OF TRAINING: 4.0

AVERAGE NUMBER OF TASKS PERFORMED: 143

TIME SPENT ON DUTIES:

<u>DUTY</u>	<u>AVERAGE PERCENT TIME SPENT BY ALL MEMBERS</u>
I MAINTAINING KG-13	26
K MAINTAINING KW-7	25
F PERFORMING GENERAL MAINTENANCE FUNCTIONS	18

FIVE REPRESENTATIVE TASKS:

<u>TASK</u>	<u>PERCENT MEMBERS PERFORMING</u>
I423 ADJUST KG-13 POWER SUPPLY DC VOLTAGES	100
I428 ISOLATE MALFUNCTIONS TO KG-13	98
K538 ADJUST KW-7 POWER SUPPLY DC VOLTAGES	96
K542 CORRECT DISCREPANCIES FOUND DURING KW-7 PMIS	96
K544 INSTALL OR REMOVE KW-7	87

GROUP ID NUMBER AND TITLE: GPO365, KG-13, HY-2 SPECIALISTS

PERCENT OF SAMPLE: 4

MAJOR COMMAND DISTRIBUTION: AFCS 50% AFSC 2% MAC 2% SAC 46%

LOCATION: CONUS 78% OVERSEAS 22%

DAFSC DISTRIBUTION: 30630 (6%), 30650 (82%), 30670 (12%)

AVERAGE GRADE: 4.0

EXPRESSED JOB INTEREST: 4.6

PERCEIVED UTILIZATION OF TALENTS: 3.1

PERCEIVED UTILIZATION OF TRAINING: 3.2

AVERAGE NUMBER OF TASKS PERFORMED: 137

TIME SPENT ON DUTIES:

<u>DUTY</u>	<u>AVERAGE PERCENT TIME SPENT BY ALL MEMBERS</u>
J MAINTAINING KG-13	27
H MAINTAINING HY-2	21
F PERFORMING GENERAL MAINTENANCE FUNCTIONS	20

FIVE REPRESENTATIVE TASKS:

<u>TASK</u>	<u>PERCENT MEMBERS PERFORMING</u>
I426 CORRECT DISCREPANCIES FOUND DURING KG-13 PMIS	100
I428 ISOLATE MALFUNCTIONS TO KG-13	100
H388 CHECK HY-2 VOGAD OUTPUT GAIN	99
H386 CHECK HY-2 VOGAD FOR PROPER TRACKING AND VOICE INDICATIONS	97
Y1061 MAINTAIN CRYPTO-ANCILLARY UNITS (CAU)	94

GROUP ID NUMBER AND TITLE: GPO357, KG-13, KG-28, KG-29 SPECIALISTS

PERCENT OF SAMPLE: 1

MAJOR COMMAND DISTRIBUTION: ABC 73% AFSC 27%

LOCATION: CONUS 82% OVERSEAS 18%

DAFSC DISTRIBUTION: 30650 (86%), 30670 (14%)

AVERAGE GRADE: 4.3

EXPRESSED JOB INTEREST: 4.8

PERCEIVED UTILIZATION OF TALENTS: 3.1

PERCEIVED UTILIZATION OF TRAINING: 3.2

AVERAGE NUMBER OF TASKS PERFORMED: 198

TIME SPENT ON DUTIES:

<u>DUTY</u>	<u>AVERAGE PERCENT TIME SPENT BY ALL MEMBERS</u>
I MAINTAINING KG-13	22
F PERFORMING GENERAL MAINTENANCE FUNCTIONS	19
O MAINTAINING KG-28 AND KG-29	17

FIVE REPRESENTATIVE TASKS:

<u>TASK</u>	<u>PERCENT MEMBERS PERFORMING</u>
I425 COORDINATE WITH DISTANT STATION TO DETERMINE KG-13 SYSTEM OPERATION	100
Y1061 MAINTAIN CRYPTO-ANCILLARY UNITS (CAU)	100
I421 ACCOMPLISH KG-13 MODIFICATIONS	100
I429 ISOLATE MALFUNCTIONS WITHIN KG-13 BUFFER UNIT	100
O673 CHANGE AND CHECK-OUT KG-28 AND KG-29 SYSTEM PERMUTER DEVICES	91

GROUP ID NUMBER AND TITLE: GPO388, KG-13 SPECIALISTS

PERCENT OF SAMPLE: 3

MAJOR COMMAND DISTRIBUTION: ADC 4% AFSC 26% AFSC 2% ATC 2%
SAC 61% USAFSS 6%

LOCATION: CONUS 96% OVERSEAS 4%

DAFSC DISTRIBUTION: 30630 (15%), 30650 (83%), 30670 (2%)

AVERAGE GRADE: 3.7

EXPRESSED JOB INTEREST: 4.1

PERCEIVED UTILIZATION OF TALENTS: 2.5

PERCEIVED UTILIZATION OF TRAINING: 2.9

AVERAGE NUMBER OF TASKS PERFORMED: 75

TIME SPENT ON DUTIES:

<u>DUTY</u>	<u>AVERAGE PERCENT TIME SPENT BY ALL MEMBERS</u>
I MAINTAINING KG-13	44
F PERFORMING GENERAL MAINTENANCE FUNCTIONS	30

FIVE REPRESENTATIVE TASKS:

<u>TASK</u>	<u>PERCENT MEMBERS PERFORMING</u>
I430 ISOLATE MALFUNCTIONS WITHIN KG-13 KEY GENERATOR	98
I433 ISOLATE MALFUNCTIONS WITHIN KG-13 SYNCHRONIZER	98
I455 REMOVE OR REPLACE KG-13 SYNCHRONIZER	94
I428 ISOLATE MALFUNCTIONS TO KG-13	93
I452 REMOVE OR REPLACE KG-13 KEY GENERATOR PCBS	89

GROUP ID NUMBER AND TITLE: GPO310, KG-13 TROUBLE LOCATION SPECIALISTS

PERCENT OF SAMPLE: LESS THAN 1

MAJOR COMMAND DISTRIBUTION: ADC 14% AFCS 28% AFLC 14% AFSC 14%
SAC 14% OTHER 14%

LOCATION: CONUS 100%

DAFSC DISTRIBUTION: 30630 (29%), 30650 (71%)

AVERAGE GRADE: 3.2

EXPRESSED JOB INTEREST: 4.7

PERCEIVED UTILIZATION OF TALENTS: 3.1

PERCEIVED UTILIZATION OF TRAINING: 2.7

AVERAGE NUMBER OF TASKS PERFORMED: 34

TIME SPENT ON DUTIES:

<u>DUTY</u>	<u>AVERAGE PERCENT TIME SPENT BY ALL MEMBERS</u>
I MAINTAINING KG-13	57
F PERFORMING GENERAL MAINTENANCE FUNCTIONS	28

FIVE REPRESENTATIVE TASKS:

<u>TASK</u>	<u>PERCENT MEMBERS PERFORMING</u>
I442 PERFORM KG-13 PMIS	100
I453 REMOVE OR REPLACE KG-13 POWER SUPPLY	100
I448 REMOVE OR REPLACE KG-13 BUFFER MODULE PRINTED CIRCUIT BOARDS (PCB)	86
I452 REMOVE OR REPLACE KG-13 KEY GENERATOR PCB	86
I426 CORRECT DISCREPANCIES FOUND DURING KG-13 PMIS	86

GROUP ID NUMBER AND TITLE: GPO073, KW-26 MAINTENANCE SUPERVISORS

PERCENT OF SAMPLE: LESS THAN 1

MAJOR COMMAND DISTRIBUTION: ADC 8% AFCS 42% AFSC 8% SAC 33%
USAFSS 8%

LOCATION: CONUS 75% OVERSEAS 17% NO REPLY 8%

DAFSC DISTRIBUTION: 30650 (17%), 30670 (83%)

AVERAGE GRADE: 5.8

EXPRESSED JOB INTEREST: 5.0

PERCEIVED UTILIZATION OF TALENTS: 3.3

PERCEIVED UTILIZATION OF TRAINING: 3.5

AVERAGE NUMBER OF TASKS PERFORMED: 95

TIME SPENT ON DUTIES:

<u>DUTY</u>	<u>AVERAGE PERCENT TIME SPENT BY ALL MEMBERS</u>
F PERFORMING GENERAL MAINTENANCE FUNCTIONS	18
G MAINTAINING KW-26	14
A PLANNING AND ORGANIZING	14
E PERFORMING MAINTENANCE ADMINISTRATION	11
B DIRECTING AND IMPLEMENTING	10

FIVE REPRESENTATIVE TASKS:

<u>TASK</u>	<u>PERCENT MEMBERS PERFORMING</u>
E220 MAKE ENTRIES ON MAINTENANCE DATA COLLECTION FORMS	92
F264 CHECK WIRING HARNESSSES, CABLES, OR CONNECTIONS	83
D171 CONDUCT ON-THE-JOB TRAINING (OJT)	67
A50 PLAN OR SCHEDULE OJT	67
B78 COUNSEL PERSONNEL ON PERSONAL OR MILITARY RELATED PROBLEMS	67

GROUP ID NUMBER AND TITLE: GP0057, KW-7 SPECIALISTS

PERCENT OF SAMPLE: 70

MAJOR COMMAND DISTRIBUTION: ADC 11% AFCS 4% ATC 7% HQCOMD 4%
HQ USAF 1% MAC 6% SAC 6% TAC 36%
USAFE 4% USAFSS 3% OTHER 17%

LOCATION: CONUS 73% OVERSEAS 26% NO RESPONSE 1%

DAFSC DISTRIBUTION: 30630 (1%), 30650 (63%), 30670 (36%)

AVERAGE GRADE: 4.8

EXPRESSED JOB INTEREST: 4.8

PERCEIVED UTILIZATION OF TALENTS: 3.4

PERCEIVED UTILIZATION OF TRAINING: 3.2

AVERAGE NUMBER OF TASKS PERFORMED: 109

TIME SPENT ON DUTIES:

<u>DUTY</u>	<u>AVERAGE PERCENT TIME SPENT BY ALL MEMBERS</u>
F PERFORMING GENERAL MAINTENANCE FUNCTIONS	28
K MAINTAINING KW-7	26
E PERFORMING MAINTENANCE ADMINISTRATION	8

FIVE REPRESENTATIVE TASKS:

<u>TASK</u>	<u>PERCENT MEMBERS PERFORMING</u>
F322 SET UP TEST EQUIPMENT	87
K544 INSTALL OR REMOVE KW-7	80
K540 CHECK OPERATION OF KW-7 SPARE EQUIPMENT	74
K558 PERFORM KW-7 PMIS	67
K549 ISOLATE MALFUNCTIONS TO KWK-7	66

GROUP ID NUMBER AND TITLE: GP0104, TELETYPE MAINTENANCE SPECIALISTS

PERCENT OF SAMPLE: 1

MAJOR COMMAND DISTRIBUTION: TAC 5% USAFSS 90% OTHER 5%

LOCATION: CONUS 16% OVERSEAS 84%

DAFSC DISTRIBUTION: 30630 (11%), 30650 (78%), 30670 (11%)

AVERAGE GRADE: 4.9

EXPRESSED JOB INTEREST: 3.8

PERCEIVED UTILIZATION OF TALENTS: 2.4

PERCEIVED UTILIZATION OF TRAINING: 2.5

AVERAGE NUMBER OF TASKS PERFORMED: 61

TIME SPENT ON DUTIES:

<u>DUTY</u>	<u>AVERAGE PERCENT TIME SPENT BY ALL MEMBERS</u>
F PERFORMING GENERAL MAINTENANCE FUNCTIONS	50
E PERFORMING MAINTENANCE ADMINISTRATION FUNCTIONS	11
Y INSTALLING, MAINTAINING, MODIFYING, ADJUSTING AND OPERATING ANCILLARY EQUIPMENT	10

FIVE REPRESENTATIVE TASKS:

<u>TASK</u>	<u>PERCENT MEMBERS PERFORMING</u>
F265 CLEAN OR LUBRICATE EQUIPMENT	100
F286 MAINTAIN TELETYPE EQUIPMENT	89
F322 SET UP TEST EQUIPMENT	89
Y1030 ADJUST TELETYPE EQUIPMENT	79
W944 ISOLATE MALFUNCTIONS TO TELETYPE EQUIPMENT	63

GROUP ID NUMBER AND TITLE: GP0143, SCARS MAINTENANCE TECHNICIANS

PERCENT OF SAMPLE: LESS THAN 1

MAJOR COMMAND DISTRIBUTION: AFCS 17% HQCOMD 33% USAFSS 33% OTHER 16%

LOCATION: CONUS 50% OVERSEAS 50%

DAFSC DISTRIBUTION: 30630 (17%), 30650 (66%), 30670 (17%)

AVERAGE GRADE: 4.7

EXPRESSED JOB INTEREST: 4.3

PERCEIVED UTILIZATION OF TALENTS: 3.0

PERCEIVED UTILIZATION OF TRAINING: 2.8

AVERAGE NUMBER OF TASKS PERFORMED: 19

TIME SPENT ON DUTIES:

DUTY

AVERAGE PERCENT TIME
SPENT BY ALL MEMBERS

F PERFORMING GENERAL MAINTENANCE FUNCTIONS
E PERFORMING MAINTENANCE ADMINISTRATION FUNCTIONS

91
3

FIVE REPRESENTATIVE TASKS:

TASK

PERCENT MEMBERS
PERFORMING

F314 REPLACE PANEL LIGHTS, FUSES, OR SWITCHES
F325 SOLDER MULTI-LEAD COMPONENTS
F265 CLEAN OR LUBRICATE EQUIPMENT
F326 SOLDER TWO LEAD COMPONENTS
F324 SOLDER MULTI-LAYER BOARDS

100
83
83
67
67

GROUP ID NUMBER AND TITLE: GPO088, ANCILLARY EQUIPMENT MAINTENANCE SPECIALISTS

PERCENT OF SAMPLE: LESS THAN 1

MAJOR COMMAND DISTRIBUTION: ADC 62% AFCS 8% HQCOMD 8% USAFE 8%
USAFSS 8% OTHER 8%

LOCATION: CONUS 54% OVERSEAS 39% NO REPLY 8%

DAFSC DISTRIBUTION: 30650 (69%), 30670 (31%)

AVERAGE GRADE: 4.8

EXPRESSED JOB INTEREST: 4.7

PERCEIVED UTILIZATION OF TALENTS: 3.7

PERCEIVED UTILIZATION OF TRAINING: 2.8

AVERAGE NUMBER OF TASKS PERFORMED: 109

TIME SPENT ON DUTIES:

<u>DUTY</u>	<u>AVERAGE PERCENT TIME SPENT BY ALL MEMBERS</u>
F PERFORMING GENERAL MAINTENANCE FUNCTIONS	31
W ISOLATING MALFUNCTIONS AND REPAIRING ANCILLARY EQUIPMENT	19
Y INSTALLING, MAINTAINING, MODIFYING, ADJUSTING AND OPERATING ANCILLARY EQUIPMENT	9
V MAINTAINING MODEMS	8

FIVE REPRESENTATIVE TASKS:

<u>TASK</u>	<u>PERCENT MEMBERS PERFORMING</u>
F266 COORDINATE EQUIPMENT FUNCTIONS WITH TECH CONTROLLERS OR DISTANT END USERS	92
W941 ISOLATE MALFUNCTIONS TO PATCH PANELS OR OTHER PATCHING OR ISOLATING EQUIPMENT	92
W944 ISOLATE MALFUNCTIONS TO TELETYPE EQUIPMENT	77
W967 REPAIR OR REPLACE ANCILLARY EQUIPMENT, PCB TRACKS, WIRES, OR PINS	69
Y1020 ADJUST LEVEL CONVERSION EQUIPMENT	69

GROUP ID NUMBER AND TITLE: GP0114, KW-7 TECHNICIANS

PERCENT OF SAMPLE: 1

MAJOR COMMAND DISTRIBUTION: AFCS 5% ATC 11% HQCOMD 5% HQ USAF 5%
MAC 21% SAC 10% TAC 37% OTHER 5%

LOCATION: CONUS 90% OVERSEAS 10%

DAFSC DISTRIBUTION: 30650 (37%), 30670 (83%)

AVERAGE GRADE: 5.8

EXPRESSED JOB INTEREST: 5.6

PERCEIVED UTILIZATION OF TALENTS: 3.9

PERCEIVED UTILIZATION OF TRAINING: 3.6

AVERAGE NUMBER OF TASKS PERFORMED: 185

TIME SPENT ON DUTIES:

<u>DUTY</u>	<u>AVERAGE PERCENT TIME SPENT BY ALL MEMBERS</u>
F PERFORMING GENERAL MAINTENANCE FUNCTIONS	20
K MAINTAINING KW-7	15
A PLANNING AND ORGANIZING	13
E PERFORMING MAINTENANCE ADMINISTRATION FUNCTIONS	10
C INSPECTING AND EVALUATING	8

FIVE REPRESENTATIVE TASKS:

<u>TASK</u>	<u>PERCENT MEMBERS PERFORMING</u>
K544 INSTALL OR REMOVE KW-7	100
K540 CHECK OPERATION OF KW-7 SPARE EQUIPMENT	95
K545 ISOLATE MALFUNCTIONS TO KW-7	95
A26 DETERMINE PUBLICATIONS REQUIREMENTS	84
W944 ISOLATE MALFUNCTIONS TO TELETYPE EQUIPMENT	79

GROUP ID NUMBER AND TITLE: GPO389, KW-7 SPECIALISTS

PERCENT OF SAMPLE: 1

MAJOR COMMAND DISTRIBUTION: TAC 79% USAF 7% OTHER 14%

LOCATION: CONUS 79% OVERSEAS 21%

DAFSC DISTRIBUTION: 30650 (64%) 30670 (36%)

AVERAGE GRADE: 4.5

EXPRESSED JOB INTEREST: 4.6

PERCEIVED UTILIZATION OF TALENTS: 3.1

PERCEIVED UTILIZATION OF TRAINING: 3.2

AVERAGE NUMBER OF TASKS PERFORMED: 94

TIME SPENT ON DUTIES:

DUTY

AVERAGE PERCENT TIME
SPENT BY ALL MEMBERS

K MAINTAINING KW-7
F PERFORMING GENERAL MAINTENANCE FUNCTIONS

35
35

FIVE REPRESENTATIVE TASKS:

TASK

PERCENT MEMBERS
PERFORMING

F547 ISOLATE MALFUNCTIONS TO KW-7 INPUT OR
OUTPUT RELAY
F263 ASSEMBLE OR DISASSEMBLE EQUIPMENT
F264 CHECK WIRING HARNESSSES, CABLES, OR CONNECTIONS
K570 REPAIR KWK-7
K560 PREPARE KW-7 FOR INSTALLATION

100
93
93
79
79

GROUP ID NUMBER AND TITLE: GP0502, KW-7 SPECIALISTS (SPECIAL ACTIVITY)

PERCENT OF SAMPLE: LESS THAN 1

MAJOR COMMAND DISTRIBUTION: TAC 25% USAFSS 13% OTHER 63%

LOCATION: CONUS 37% OVERSEAS 63%

DAFSC DISTRIBUTION: 30630 (13%), 30650 (87%)

AVERAGE GRADE: 4.3

EXPRESSED JOB INTEREST: 4.0

PERCEIVED UTILIZATION OF TALENTS: 3.1

PERCEIVED UTILIZATION OF TRAINING: 3.4

AVERAGE NUMBER OF TASKS PERFORMED: 50

TIME SPENT ON DUTIES:

<u>DUTY</u>	<u>AVERAGE PERCENT TIME SPENT BY ALL MEMBERS</u>
K MAINTAINING KW-7	66
F PERFORMING GENERAL MAINTENANCE FUNCTIONS	25

FIVE REPRESENTATIVE TASKS:

<u>TASK</u>	<u>PERCENT MEMBERS PERFORMING</u>
K559 PERFORM KW-7 SECURITY CHANGES, SECURITY CHANGE INSPECTION, AND ALARM CHECKS	100
K563 REMOVE OR REPLACE KW-7 INPUT OR OUTPUT RELAYS	100
K564 REMOVE OR REPLACE KW-7 POWER SUPPLY	100
K558 PERFORM KW-7 PMIS	88
K579 REPLACE OR ADJUST KW-7 INPUT OR OUTPUT RELAYS CONTACTS	75

GROUP ID NUMBER AND TITLE: GPO089, EQUIPMENT INSTALLATION SPECIALISTS

PERCENT OF SAMPLE: 4

MAJOR COMMAND DISTRIBUTION: AFCS 88% AFSC 9% SAC 1% USAFSS 1%

LOCATION: CONUS 100%

DAFSC DISTRIBUTION: 30630 (12%), 30650 (68%), 30670 (19%), 30691 (1%)

AVERAGE GRADE: 4.2

EXPRESSED JOB INTEREST: 4.4

PERCEIVED UTILIZATION OF TALENTS: 3.1

PERCEIVED UTILIZATION OF TRAINING: 2.2

AVERAGE NUMBER OF TASKS PERFORMED: 49

TIME SPENT ON DUTIES:

<u>DUTY</u>	<u>AVERAGE PERCENT TIME SPENT BY ALL MEMBERS</u>
F PERFORMING GENERAL MAINTENANCE FUNCTIONS	52
Y INSTALLING, MAINTAINING, MODIFYING, ADJUSTING, AND OPERATING ANCILLARY EQUIPMENT	17
I MAINTAINING KG-13	5

FIVE REPRESENTATIVE TASKS:

<u>TASK</u>	<u>PERCENT MEMBERS PERFORMING</u>
F274 INSTALL CONDUITS	99
I427 INSTALL KG-13	91
F330 TERMINATE SIGNAL LINES	84
F278 INSTALL POWER LINES	83
Y1036 INSTALL CRYPTO-CONTROL UNITS	67

GROUP ID NUMBER AND TITLE: GPO276, E&I TEAM MEMBERS/ANCILLARY EQUIPMENT
REPAIRMEN

PERCENT OF SAMPLE: 2

MAJOR COMMAND DISTRIBUTION: AFCS 87% AFSC 8% SAC 3% USAFSS 3%

LOCATION: CONUS 100%

DAFSC DISTRIBUTION: 30630 (19%), 30650 (81%)

AVERAGE GRADE: 3.7

EXPRESSED JOB INTEREST: 4.3

PERCEIVED UTILIZATION OF TALENTS: 2.9

PERCEIVED UTILIZATION OF TRAINING: 2.0

AVERAGE NUMBER OF TASKS PERFORMED: 47

TIME SPENT ON DUTIES:

<u>DUTY</u>	<u>AVERAGE PERCENT TIME SPENT BY ALL MEMBERS</u>
F PERFORMING GENERAL MAINTENANCE FUNCTIONS	52
Y INSTALLING, MAINTAINING, MODIFYING, ADJUSTING AND OPERATING ANCILLARY EQUIPMENT	21
I MAINTAINING KG-13	6

FIVE REPRESENTATIVE TASKS:

<u>TASK</u>	<u>PERCENT MEMBERS PERFORMING</u>
F279 INSTALL SIGNAL LINES	97
I427 INSTALL KG-13	97
Y1035 INSTALL CRYPTO-ANCILLARY UNITS	92
F277 INSTALL INTERMEDIATE DISTRIBUTION FRAMES (IDF)	89
F329 TERMINATE POWER LINES	78

GROUP ID NUMBER AND TITLE: GPO217, E&I TEAM MEMBERS

PERCENT OF SAMPLE: 1

MAJOR COMMAND DISTRIBUTION: AFCS 84% AFSC 16%

LOCATION: CONUS 100%

DAFSC DISTRIBUTION: 30630 (5%), 30650 (79%), 30670 (16%)

AVERAGE GRADE: 3.9

EXPRESSED JOB INTEREST: 4.3

PERCEIVED UTILIZATION OF TALENTS: 2.4

PERCEIVED UTILIZATION OF TRAINING: 1.7

AVERAGE NUMBER OF TASKS PERFORMED: 19

TIME SPENT ON DUTIES:

<u>DUTY</u>	<u>AVERAGE PERCENT TIME SPENT BY ALL MEMBERS</u>
F PERFORMING GENERAL MAINTENANCE FUNCTIONS	71
Y INSTALLING, MAINTAINING, MODIFYING, ADJUSTING AND OPERATING ANCILLARY EQUIPMENT	10

FIVE REPRESENTATIVE TASKS:

<u>TASK</u>	<u>PERCENT MEMBERS PERFORMING</u>
F274 INSTALL CONDUITS	100
F273 INSTALL CABLE DUCTS	89
F275 INSTALL EQUIPMENT RACKS	89
F276 INSTALL EXPANSION SHIELDS	84
F277 INSTALL INTERMEDIATE DISTRIBUTION FRAMES (IDF)	79

GROUP ID NUMBER AND TITLE: GP0170, E&I TEAM CHIEFS

PERCENT OF SAMPLE: LESS THAN 1

MAJOR COMMAND DISTRIBUTION: AFCS 100%

LOCATION: CONUS 100%

DAFSC DISTRIBUTION: 30650 (8%), 30670 (83%), 30691 (8%)

AVERAGE GRADE: 5.8

EXPRESSED JOB INTEREST: 5.2

PERCEIVED UTILIZATION OF TALENTS: 4.8

PERCEIVED UTILIZATION OF TRAINING: 3.5

AVERAGE NUMBER OF TASKS PERFORMED: 103

TIME SPENT ON DUTIES:

<u>DUTY</u>	<u>AVERAGE PERCENT TIME SPENT BY ALL MEMBERS</u>
F PERFORMING GENERAL MAINTENANCE FUNCTIONS	24
Y INSTALLING MAINTAINING, MODIFYING, ADJUSTING, AND OPERATING ANCILLARY EQUIPMENT	16
A PLANNING AND ORGANIZING	12
B DIRECTING AND IMPLEMENTING	9

FIVE REPRESENTATIVE TASKS:

<u>TASK</u>	<u>PERCENT MEMBERS PERFORMING</u>
F277 INSTALL INTERMEDIATE DISTRIBUTION FRAMES (IDF)	100
F273 INSTALL CABLE DUCTS	100
F278 INSTALL POWER LINES	100
F276 INSTALL EXPANSION SHIELDS	100
B81 DIRECT CRYPTOGRAPHIC INSTALLATION	75

GROUP ID NUMBER AND TITLE: GP0119, MOBILITY AND MAINTENANCE CONTROL NCOICS

PERCENT OF SAMPLE: LESS THAN 1

MAJOR COMMAND DISTRIBUTION: AFCS 33% ATC 17% SAC 25% USAFSS 25%

LOCATION: CONUS 75% OVERSEAS 25%

DAFSC DISTRIBUTION: 30670 (83%), 30691 (17%)

AVERAGE GRADE: 7.2

EXPRESSED JOB INTEREST: 5.3

PERCEIVED UTILIZATION OF TALENTS: 4.5

PERCEIVED UTILIZATION OF TRAINING: 2.5

AVERAGE NUMBER OF TASKS PERFORMED: 39

TIME SPENT ON DUTIES:

DUTY

AVERAGE PERCENT TIME
SPENT BY ALL MEMBERS

A PLANNING AND ORGANIZATION
B DIRECTING AND IMPLEMENTING

52
20

FIVE REPRESENTATIVE TASKS:

TASK

PERCENT MEMBERS
PERFORMING

A4 ATTEND CONFERENCES, BRIEFINGS, OR MEETINGS
B76 CONDUCT OR PARTICIPATE IN STAFF MEETING
A9 COORDINATE WITH CHIEF OF MAINTENANCE ON STAFF
STAFF FUNCTIONS
A37 DRAFT CORRESPONDENCE
A17 COORDINATE WITH CHIEF OF MAINTENANCE STAFF
ON MATERIEL CONTROL

100
100
92
92
67

GROUP ID NUMBER AND TITLE: GPO094, MAINTENANCE NCOIC'S

PERCENT OF SAMPLE: 8

MAJOR COMMAND DISTRIBUTION: ADC 4% AFCS 53% AFSC 2% ATC 1%
HQCOMD 2% HQ USAF 1% SAC 23% USAFSS 10%
NO RESPONSE 5%

LOCATION: CONUS 73% OVERSEAS 27%

DAFSC DISTRIBUTION: 30650 (16%), 30670 (54), 30691 (30%)

AVERAGE GRADE: 6.7

EXPRESSED JOB INTEREST: 5.1

PERCEIVED UTILIZATION OF TALENTS: 3.8

PERCEIVED UTILIZATION OF TRAINING: 3.2

AVERAGE NUMBER OF TASKS PERFORMED: 97

TIME SPENT ON DUTIES:

<u>DUTY</u>	<u>AVERAGE PERCENT TIME SPENT BY ALL MEMBERS</u>
A PLANNING AND ORGANIZING	36
C INSPECTING AND EVALUATING	18
E PERFORMING MAINTENANCE ADMINISTRATION FUNCTIONS	17
B DIRECTING AND IMPLEMENTING	16

FIVE REPRESENTATIVE TASKS:

<u>TASK</u>	<u>PERCENT MEMBERS PERFORMING</u>
A37 DRAFT CORRESPONDENCE	88
B78 COUNSEL PERSONNEL ON PERSONAL OR MILITARY RELATED PROBLEMS	78
C163 WRITE OR INDORSE AIRMEN PERFORMANCE RATINGS	76
A49 PLAN OR PREPARE STATUS BOARDS, CHARTS, OR GRAPHS	74
C156 REVIEW MAINTENANCE RECORDS OR REPORTS	66

GROUP ID NUMBER AND TITLE: GPO320, MAINTENANCE SUPERINTENDENTS

PERCENT OF SAMPLE: 21

MAJOR COMMAND DISTRIBUTION: ADC 14% AFCS 57% AFSC 5%
ATC 5% SAC 10% USAFSS 5%
NO RESPONSE 5%

LOCATION: CONUS 67% OVERSEAS 33%

DAFSC DISTRIBUTION: 30650 (5%), 30670 (19%), 30691 (76%)

AVERAGE GRADE: 8.0

EXPRESSED JOB INTEREST: 5.1

PERCEIVED UTILIZATION OF TALENTS: 4.3

PERCEIVED UTILIZATION OF TRAINING: 3.6

AVERAGE NUMBER OF TASKS PERFORMED: 74

TIME SPENT ON DUTIES:

<u>DUTY</u>	<u>AVERAGE PERCENT TIME SPENT BY ALL MEMBERS</u>
A PLANNING AND ORGANIZING	47
B DIRECTING AND IMPLEMENTING	20
C INSPECTING AND EVALUATING	19

FIVE REPRESENTATIVE TASKS:

<u>TASK</u>	<u>PERCENT MEMBERS PERFORMING</u>
A37 DRAFT CORRESPONDENCE	100
B76 CONDUCT OR PARTICIPATE IN STAFF MEETINGS	100
A14 COORDINATE WITH CHIEF OF MAINTENANCE STAFF ON INSPECTIONS	95
A27 DETERMINE REQUIREMENTS FOR SPACE, PERSONNEL, EQUIPMENT, OR SUPPLIES	95
A9 COORDINATE WITH CHIEF OF MAINTENANCE ON STAFF FUNCTIONS	86

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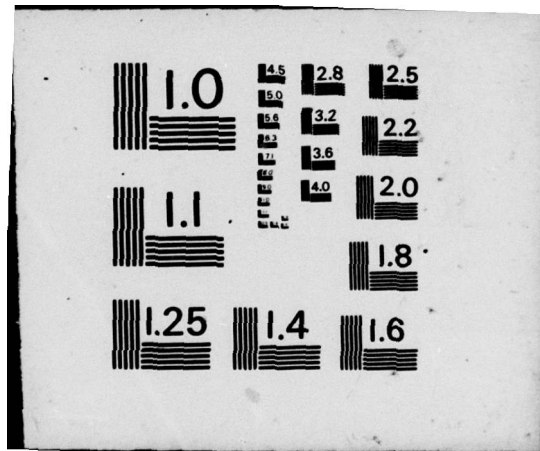
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GROUP ID NUMBER AND TITLE: GP0361, NCOIC MAINTENANCE

PERCENT OF SAMPLE: 3

MAJOR COMMAND DISTRIBUTION: AFCS 54% SAC 31% HQ USAF 2%
USAFSS 6% AFSC 2% NO RESPONSE 5%

LOCATION: CONUS 79% OVERSEAS 21%

DAFSC DISTRIBUTION: 30670 (65%), 30691 (35%)

AVERAGE GRADE: 7.1

EXPRESSED JOB INTEREST: 5.4

PERCEIVED UTILIZATION OF TALENTS: 4.1

PERCEIVED UTILIZATION OF TRAINING: 3.7

AVERAGE NUMBER OF TASKS PERFORMED: 153

TIME SPENT ON DUTIES:

<u>DUTY</u>	<u>AVERAGE PERCENT TIME SPENT BY ALL MEMBERS</u>
A PLANNING AND ORGANIZING	33
C INSPECTING AND EVALUATING	20
B DIRECTING AND IMPLEMENTING	16
E PERFORMING MAINTENANCE ADMINISTRATION FUNCTIONS	16

FIVE REPRESENTATIVE TASKS:

<u>TASK</u>	<u>PERCENT MEMBERS PERFORMING</u>
C152 PREPARE ANSWERS TO INSPECTIONS	96
A51 PLAN OR SCHEDULE WORK ASSIGNMENTS	90
C124 ANALYZE SHOP OPERATIONS AND PROCEDURES	88
A10 COORDINATE WITH CHIEF OF MAINTENANCE STAFF ON ADMINISTRATION	88
A8 COORDINATE LOCAL COMSEC ACCOUNT MATTERS WITH COMSEC ACCOUNT CUSTODIAN	81

GROUP ID NUMBER AND TITLE: GP0144, NCOIC TRAINING MANAGEMENT
 PERCENT OF SAMPLE: LESS THAN 1
 MAJOR COMMAND DISTRIBUTION: AFCS 54% HQCOMD 8% USAFSS 23% NO RESPONSE 15%
 LOCATION: CONUS 54% OVERSEAS 46%
 DAFSC DISTRIBUTION: 30650 (8%), 30670 (77%), 30691 (15%),
 AVERAGE GRADE: 7.0
 EXPRESSED JOB INTEREST: 5.0
 PERCEIVED UTILIZATION OF TALENTS: 3.8
 PERCEIVED UTILIZATION OF TRAINING: 3.2
 AVERAGE NUMBER OF TASKS PERFORMED: 50
 TIME SPENT ON DUTIES:

<u>DUTY</u>	<u>AVERAGE PERCENT TIME SPENT BY ALL MEMBERS</u>
A PLANNING AND ORGANIZING	37
B DIRECTING AND IMPLEMENTING	23
C INSPECTING AND EVALUATING	18

FIVE REPRESENTATIVE TASKS:

<u>TASK</u>	<u>PERCENT MEMBERS PERFORMING</u>
A4 ATTEND CONFERENCES, BRIEFINGS, OR MEETINGS	92
E207 MAINTAIN CRYPTOGRAPHIC MAINTENANCE TRAINING AND EXPERIENCE RECORDS (DD FORM 1435)	92
C138 EVALUATE INDIVIDUAL TRAINING REQUIREMENTS	85
A29 DETERMINE WORK PRIORITIES	69
A50 PLAN OR SCHEDULE OJT	69

GROUP ID NUMBER AND TITLE: GP0168, WORK CONTROL TECHNICIANS

PERCENT OF SAMPLE: LESS THAN 1

MAJOR COMMAND DISTRIBUTION: ADC 11% AFCS 67% SAC 22%

LOCATION: CONUS 78% OVERSEAS 22%

DAFSC DISTRIBUTION: 30650 (22%), 30670 (67%), 30691 (11%)

AVERAGE GRADE: 6.2

EXPRESSED JOB INTEREST: 5.2

PERCEIVED UTILIZATION OF TALENTS: 3.7

PERCEIVED UTILIZATION OF TRAINING: 3.3

AVERAGE NUMBER OF TASKS PERFORMED: 82

TIME SPENT ON DUTIES:

<u>DUTY</u>	<u>AVERAGE PERCENT TIME SPENT BY ALL MEMBERS</u>
E PERFORMING MAINTENANCE ADMINISTRATION FUNCTIONS	32
A PLANNING AND ORGANIZING	22
C INSPECTING AND EVALUATING	16

FIVE REPRESENTATIVE TASKS:

<u>TASK</u>	<u>PERCENT MEMBERS PERFORMING</u>
C160 VERIFY ACCURACY OF MAINTENANCE DATA COLLECTION FORMS	100
E244 PREPARE PREVENTIVE MAINTENANCE INSPECTION (PMI) SCHEDULES	89
E234 PREPARE ISSUE/TURN-IN, REQUEST FORMS (AF FORM 2005)	89
E257 SERVE AS SECTION SUPPLY CUSTODIAN	78
C156 REVIEW MAINTENANCE RECORDS OR REPORTS	67

GROUP ID NUMBER AND TITLE: GPO248, MAINTENANCE CONTROL SUPERVISORS

PERCENT OF SAMPLE: 1

MAJOR COMMAND DISTRIBUTION: AFCS 32% SAC 53% USAFSS 15%

LOCATION: CONUS 84% OVERSEAS 16%

DAFSC DISTRIBUTION: 30650 (71%), 30670 (29%)

AVERAGE GRADE: 5.7

EXPRESSED JOB INTEREST: 3.9

PERCEIVED UTILIZATION OF TALENTS: 2.7

PERCEIVED UTILIZATION OF TRAINING: 2.2

AVERAGE NUMBER OF TASKS PERFORMED: 37

TIME SPENT ON DUTIES:

<u>DUTY</u>	<u>AVERAGE PERCENT TIME SPENT BY ALL MEMBERS</u>
A PLANNING AND ORGANIZING	39
E PERFORMING MAINTENANCE ADMINISTRATION FUNCTIONS	23
C INSPECTING AND EVALUATING	15

FIVE REPRESENTATIVE TASKS:

<u>TASK</u>	<u>PERCENT MEMBERS PERFORMING</u>
A15 COORDINATE WITH CHIEF OF MAINTENANCE STAFF ON JOB CONTROL	100
E235 PREPARE JOB CONTROL DOCUMENTS (JCDS) (AF FORM 2445)	89
A51 PLAN OR SCHEDULE WORK ASSIGNMENTS	89
A18 COORDINATE WITH CHIEF OF MAINTENANCE STAFF ON PLANS AND SCHEDULING	84
E239 PREPARE OR MAINTAIN JOB CONTROL REGISTERS	74

GROUP ID NUMBER AND TITLE: GP0211, PLANNING AND SCHEDULING NCOIC'S

PERCENT OF SAMPLE: LESS THAN 1

MAJOR COMMAND DISTRIBUTION: AFCS 57% SAC 14% USAFSS 29%

LOCATION: CONUS 71% OVERSEAS 29%

DAFSC DISTRIBUTION: 30650 (71%), 30670 (29%)

AVERAGE GRADE: 4.9

EXPRESSED JOB INTEREST: 5.4

PERCEIVED UTILIZATION OF TALENTS: 3.9

PERCEIVED UTILIZATION OF TRAINING: 2.1

AVERAGE NUMBER OF TASKS PERFORMED: 36

TIME SPENT ON DUTIES:

DUTY

AVERAGE PERCENT TIME
SPENT BY ALL MEMBERS

E	PERFORMING MAINTENANCE ADMINISTRATION FUNCTIONS	30
A	PLANNING AND ORGANIZING	29
B	DIRECTING AND IMPLEMENTING	15

FIVE REPRESENTATIVE TASKS:

TASK

PERCENT MEMBERS
PERFORMING

B90	DIRECT PLANNING AND SCHEDULING OR DOCUMENTATION FUNCTIONS	100
E244	PREPARE PMIS SCHEDULES	100
E232	PREPARE INPUTS FOR MONTHLY MAINTENANCE PLANS	100
A18	COORDINATE WITH CHIEF OF MAINTENANCE STAFF ON PLANS AND SCHEDULING	86
F259	ANALYZE COMPUTER PRINTOUTS	86

GROUP ID NUMBER AND TITLE: GP069, TRAINING SUPERVISORS

PERCENT OF SAMPLE: 1

MAJOR COMMAND DISTRIBUTION: ADC 5% AFCS 14% ATC 64% SAC 5%
TAC 5% USAFSS 9%

LOCATION: CONUS

DAFSC DISTRIBUTION: 30650 (18%), 30670 (82%)

AVERAGE GRADE: 6.3

EXPRESSED JOB INTEREST: 5.4

PERCEIVED UTILIZATION OF TALENTS: 4.1

PERCEIVED UTILIZATION OF TRAINING: 4.0

AVERAGE NUMBER OF TASKS PERFORMED: 56

TIME SPENT ON DUTIES:

<u>DUTY</u>	<u>AVERAGE PERCENT TIME SPENT BY ALL MEMBERS</u>
D TRAINING	29
A PLANNING AND ORGANIZING	29
B DIRECTING AND IMPLEMENTING	12

FIVE REPRESENTATIVE TASKS:

<u>TASK</u>	<u>PERCENT MEMBERS PERFORMING</u>
D187 MAINTAIN TRAINING RECORDS, CHARTS, OR GRAPHS	95
A37 DRAFT CORRESPONDENCE	86
D189 PREPARE LESSON PLANS	77
D184 EVALUATE TRAINING METHODS, TECHNIQUES, OR PROGRAMS	77
D175 COUNSEL TRAINEES ON TRAINING PROGRESS	73

GROUP ID NUMBER AND TITLE: GPO117, QUALITY CONTROL AND EVALUATION
TECHNICIANS

PERCENT OF SAMPLE: 3

MAJOR COMMAND DISTRIBUTION: ADC 6% AFCS 40% AFSC 4%
ATC 2% SAC 34% TAC 2%
USAFSS 11%

LOCATION: CONUS 81% OVERSEAS 19%

DAFSC DISTRIBUTION: 30650 (17%), 30670 (79%), 30691 (4%)

AVERAGE GRADE: 5.9

EXPRESSED JOB INTEREST: 5.3

PERCEIVED UTILIZATION OF TALENTS: 3.9

PERCEIVED UTILIZATION OF TRAINING: 3.4

AVERAGE NUMBER OF TASKS PERFORMED: 52

TIME SPENT ON DUTIES:

<u>DUTY</u>	<u>AVERAGE PERCENT TIME SPENT BY ALL MEMBERS</u>
C INSPECTING AN EVALUATING	34
A PLANNING AND ORGANIZING	28
E PERFORMING MAINTENANCE ADMINISTRATION FUNCTIONS	14

FIVE REPRESENTATIVE TASKS:

<u>TASK</u>	<u>PERCENT MEMBERS PERFORMING</u>
C127 CONDUCT MSEP EVALUATIONS	89
C153 PREPARE INSPECTION REPORTS	89
A33 DEVELOP OR MAINTAIN QUALITY CONTROL PROCEDURES	89
C151 INSPECT INSTALLED, REPAIRED, OR MODIFIED EQUIPMENT	74
F300 PERFORM QUALITY CONTROL INSPECTIONS	62

GROUP ID NUMBER AND TITLE: GPO218, QUALITY CONTROL TECHNICIANS

PERCENT OF SAMPLE: LESS THAN 1

MAJOR COMMAND DISTRIBUTION: AFCS 60% AFSC 20% TAC 20%

LOCATION: CONUS 80% OVERSEAS 20%

DAFSC DISTRIBUTION: 30670 (100%)

AVERAGE GRADE: 5.3

EXPRESSED JOB INTEREST: 5.2

PERCEIVED UTILIZATION OF TALENTS: 4.0

PERCEIVED UTILIZATION OF TRAINING: 3.6

AVERAGE NUMBER OF TASKS PERFORMED: 40

TIME SPENT ON DUTIES:

<u>DUTY</u>	<u>AVERAGE PERCENT TIME SPENT BY ALL MEMBERS</u>
C INSPECTING AND EVALUATING	53
E PERFORMING MAINTENANCE ADMINISTRATION	17
F PERFORMING GENERAL MAINTENANCE FUNCTIONS	10

FIVE REPRESENTATIVE TASKS:

<u>TASK</u>	<u>PERCENT MEMBERS PERFORMING</u>
C153 PREPARE INSPECTION REPORTS	100
C156 REVIEW MAINTENANCE RECORDS OR REPORTS	100
A33 DEVELOP OR MAINTAIN QUALITY CONTROL PROCEDURES	80
F300 PERFORM QUALITY CONTROL INSPECTIONS	80
C127 CONDUCT MSEP EVALUATIONS	60

GROUP ID NUMBER AND TITLE: GPO255, QUALITY CONTROL NOCIC

PERCENT OF SAMPLE: 2

MAJOR COMMAND DISTRIBUTION: ADC 3% AFCS 33% ATC 3% SAC 46%
USAFSS 15%

LOCATION: CONUS 79% OVERSEAS 21 %

DAFSC DISTRIBUTION: 30650 (12%), 30670 (82%), 30691 (6%)

AVERAGE GRADE: 6.1

EXPRESSED JOB INTEREST: 5.6

PERCEIVED UTILIZATION OF TALENTS: 4.2

PERCEIVED UTILIZATION OF TRAINING: 3.5

AVERAGE NUMBER OF TASKS PERFORMED: 60

TIME SPENT ON DUTIES:

<u>DUTY</u>	<u>AVERAGE PERCENT TIME SPENT BY ALL MEMBERS</u>
A PLANNING AND ORGANIZING	33
C INSPECTING AND EVALUATING	31
B DIRECTING AND IMPLEMENTING	14

FIVE REPRESENTATIVE TASKS:

<u>TASK</u>	<u>PERCENT MEMBERS PERFORMING</u>
A33 DEVELOP OR MAINTAIN QUALITY CONTROL PROCEDURES	100
C127 CONDUCT MSEP EVALUATIONS	94
B99 IMPLEMENT MAINTENANCE STANDARDIZATION AND EVALUATION PROGRAM (MSEP)	88
A47 PLAN INSPECTION PROCEDURES	88
A37 DRAFT CORRESPONDENCE	88

GROUP ID NUMBER AND TITLE: GP0131, QUALITY CONTROL INSPECTORS

PERCENT OF SAMPLE: LESS THAN 1

MAJOR COMMAND DISTRIBUTION: ADC 25% AFCS 50% AFSC 13% SAC 12%

LOCATION: CONUS 88% OVERSEAS 12%

DAFSC DISTRIBUTION: 30650 (37%), 30670 (63%)

AVERAGE GRADE: 5.6

EXPRESSED JOB INTEREST: 4.1

PERCEIVED UTILIZATION OF TALENTS: 2.8

PERCEIVED UTILIZATION OF TRAINING: 2.6

AVERAGE NUMBER OF TASKS PERFORMED: 26

TIME SPENT ON DUTIES:

<u>DUTY</u>	<u>AVERAGE PERCENT TIME SPENT BY ALL MEMBERS</u>
C INSPECTING AND EVALUATING	36
A PLANNING AND ORGANIZING	20
E PERFORMING MAINTENANCE ADMINISTRATION FUNCTIONS	16

FIVE REPRESENTATIVE TASKS:

<u>TASK</u>	<u>PERCENT MEMBERS PERFORMING</u>
C157 SERVE AS MEMBER OF MAINTENANCE INSPECTION TEAMS	100
F300 PERFORM QUALITY CONTROL INSPECTIONS	88
C127 CONDUCT MSEP EVALUATIONS	88
C153 PERPREPARE INSPECTION REPORTS	75
B95 DIRECT TECHNICAL PUBLICATIONS MAINTENANCE SUCH AS TECHNICAL ORDER (TO) FILES	63

GROUP ID NUMBER AND TITLE: GPO098, JOB CONTROLLERS

PERCENT OF SAMPLE: 3

MAJOR COMMAND DISTRIBUTION: ADC 12% AFCS 63% SAC 16% USAFSS 4%
AFRES 4%

LOCATION: CONUS 84% OVERSEAS 16%

DAFSC DISTRIBUTION: 30650 (86%), 30670 (14%)

AVERAGE GRADE: 4.2

EXPRESSED JOB INTEREST: 4.3

PERCEIVED UTILIZATION OF TALENTS: 2.5

PERCEIVED UTILIZATION OF TRAINING: 1.7

AVERAGE NUMBER OF TASKS PERFORMED: 19

TIME SPENT ON DUTIES:

DUTY

AVERAGE PERCENT TIME
SPENT BY ALL MEMBERS

A	PLANNING AND ORGANIZING	43
E	PERFORMING MAINTENANCE ADMINISTRATION FUNCTIONS	41

FIVE REPRESENTATIVE TASKS:

TASK

PERCENT MEMBERS
PERFORMING

E235	PREPARE JOB CONTROL DOCUMENTS (JCDS) (AF FORM 2445)	82
A49	PLAN OR PREPARE STATUS BOARDS, CHARTS, OR GRAPHS	82
A29	DETERMINE WORK PRIORITIES	69
E239	PREPARE OR MAINTAIN JOB CONTROL REGISTERS	67
E238	PREPARE OR MAINTAIN EQUIPMENT STATUS REPORTS	59

GROUP ID NUMBER AND TITLE: GP0161, JOB CONTROL TECHNICIANS

PERCENT OF SAMPLE: LESS THAN 1

MAJOR COMMAND DISTRIBUTION: ADC 17% AFSC 67% SAC 17%

LOCATION: CONUS 83% OVERSEAS 17%

DAFSC DISTRIBUTION: 30650 (83%), 30670 (17%)

AVERAGE GRADE: 4.5

EXPRESSED JOB INTEREST: 5.2

PERCEIVED UTILIZATION OF TALENTS: 1.7

PERCEIVED UTILIZATION OF TRAINING: 1.2

AVERAGE NUMBER OF TASKS PERFORMED: 12

TIME SPENT ON DUTIES:

<u>DUTY</u>	<u>AVERAGE PERCENT TIME SPENT BY ALL MEMBERS</u>
A PLANNING AND ORGANIZING	52
E PERFORMING MAINTENANCE ADMINISTRATION FUNCTIONS	43

FIVE REPRESENTATIVE TASKS:

<u>TASK</u>	<u>PERCENT MEMBERS PERFORMING</u>
A49 PLAN OR PREPARE STATUS BOARDS, CHARTS, OR GRAPHS	100
E239 PREPARE OR MAINTAIN JOB CONTROL REGISTERS	83
A24 COORDINATE WITH SUPPORTING AGENCIES TO OBTAIN ASSISTANCE FOR MAINTENANCE	83
A15 COORDINATE WITH CHIEF OF MAINTENANCE STAFF ON JOB CONTROL	67
A29 DETERMINE WORK PRIORITIES	67

GROUP ID NUMBER AND TITLE: GP0159, JOB CONTROL ADMINISTRATIVE SPECIALISTS

PERCENT OF SAMPLE: 2

MAJOR COMMAND DISTRIBUTION: ADC 19% AFCS 44% AFSC 7% SAC 26%
USAFSS 4%

LOCATION: CONUS 89% OVERSEAS 11%

DAFSC DISTRIBUTION: 30650 (82%), 30670 (18%)

AVERAGE GRADE: 4.1

EXPRESSED JOB INTEREST: 4.8

PERCEIVED UTILIZATION OF TALENTS: 2.9

PERCEIVED UTILIZATION OF TRAINING: 1.7

AVERAGE NUMBER OF TASKS PERFORMED: 24

TIME SPENT ON DUTIES:

DUTY

AVERAGE PERCENT TIME
SPENT BY ALL MEMBERS

A PLANNING AND ORGANIZING	43
E PERFORMING MAINTENANCE ADMINISTRATION FUNCTIONS	36
B DIRECTING AND IMPLEMENTING	7

FIVE REPRESENTATIVE TASKS:

TASK

PERCENT MEMBERS
PERFORMING

E235 PREPARE JOB CONTROL DOCUMENTS (JCDS) (AF FORM 2445)	89
A29 DETERMINE WORK PRIORITIES	85
E210 MAINTAIN EQUIPMENT STATUS BOARDS	81
E239 PREPARE OR MAINTAIN JOB CONTROL REGISTERS	78
A24 COORDINATE WITH SUPPORTING AGENCIES TO OBTAIN ASSISTANCE FOR MAINTENANCE	70

GROUP ID NUMBER AND TITLE: GPO157, JOB CONTROL SPECIALISTS

PERCENT OF SAMPLE: 1

MAJOR COMMAND DISTRIBUTION: AFCS 93% USAFSS 7%

LOCATION: CONUS 79% OVERSEAS 21%

DAFSC DISTRIBUTION: 30650 (93%), 30670 (7%)

AVERAGE GRADE: 4.4

EXPRESSED JOB INTEREST: 3.8

PERCEIVED UTILIZATION OF TALENTS: 2.1

PERCEIVED UTILIZATION OF TRAINING: 1.6

AVERAGE NUMBER OF TASKS PERFORMED: 8

TIME SPENT ON DUTIES:

DUTY

AVERAGE PERCENT TIME
SPENT BY ALL MEMBERS

E PERFORMING MAINTENANCE ADMINISTRATION FUNCTIONS
A PLANNING AND ORGANIZING

51
40

FIVE REPRESENTATIVE TASKS:

TASK

PERCENT MEMBERS
PERFORMING

E235 PREPARE JOB CONTROL DOCUMENTS (JCDS)
(AF FORM 2445)

86*

E210 MAINTAIN EQUIPMENT STATUS BOARDS

86**

A49 PLAN OR PREPARE STATUS BOARDS, CHARTS, OR
GRAPHS

64

A67 REVIEW WORK ORDERS

43

A15 COORDINATE WITH CHIEF OF MAINTENANCE
STAFF ON JOB CONTROL

43

* 20 PERCENT TIME SPENT BY ALL MEMBERS

** 15 PERCENT TIME SPENT BY ALL MEMBERS

GROUP ID NUMBER AND TITLE: GPO018, INSTRUCTORS I

PERCENT OF SAMPLE: 5

MAJOR COMMAND DISTRIBUTION: AFCS 3% ATC 92% SAC 1% TAC 1%
USAFSS 3%

LOCATION: CONUS 100%

DAFSC DISTRIBUTION: 30630 (1%), 30650 (54%), 30670 (44%), 30691 (1%)

AVERAGE GRADE: 5.3

EXPRESSED JOB INTEREST: 5.8

PERCEIVED UTILIZATION OF TALENTS: 4.6

PERCEIVED UTILIZATION OF TRAINING: 4.6

AVERAGE NUMBER OF TASKS PERFORMED: 27

TIME SPENT ON DUTIES:

DUTY

AVERAGE PERCENT TIME
SPENT BY ALL MEMBERS

D TRAINING
F PERFORMING GENERAL MAINTENANCE FUNCTIONS

54
6

FIVE REPRESENTATIVE TASKS:

TASK

PERCENT MEMBERS
PERFORMING

D173 CONDUCT RESIDENT COURSE CLASSROOM
TRAINING
D189 PREPARE LESSON PLANS
D183 EVALUATE PROGRESS OF RESIDENT COURSE
STUDENTS
D176 DEMONSTRATE HOW TO LOCATE TECHNICAL
INFORMATION
D166 ADMINISTER OR SCORE TESTS

84
80
73
69
66

GROUP ID NUMBER AND TITLE: GPO391, INSTRUCTORS/INSTRUCTOR SUPERVISORS

PERCENT OF SAMPLE: 2

MAJOR COMMAND DISTRIBUTION: ATC 100%

LOCATION: CONUS 100%

DAFSC DISTRIBUTION: 30650 (57%), 30670 (40%), 30691 (3%)

AVERAGE GRADE: 5.4

EXPRESSED JOB INTEREST: 6.1

PERCEIVED UTILIZATION OF TALENTS: 4.8

PERCEIVED UTILIZATION OF TRAINING: 4.7

AVERAGE NUMBER OF TASKS PERFORMED: 15

TIME SPENT ON DUTIES:

DUTY

AVERAGE PERCENT TIME
SPENT BY ALL MEMBERS

D TRAINING 73
A PLANNING AND ORGANIZING 8

FIVE REPRESENTATIVE TASKS:

TASK

PERCENT MEMBERS
PERFORMING

D183	EVALUATE PROGRESS OF RESIDENT COURSE STUDENTS	97
D173	CONDUCT RESIDENT COURSE CLASSROOM TRAINING	93
D189	PREPARE LESSON PLANS	93
D166	ADMINISTER OR SCORE TESTS	83
D175	COUNSEL TRAINEES ON TRAINING PROGRESS	83

GROUP ID NUMBER AND TITLE: GPO472, RESIDENT COURSE INSTRUCTORS

PERCENT OF SAMPLE: LESS THAN 1

MAJOR COMMAND DISTRIBUTION: ATC 100%

LOCATION: CONUS 100%

DAFSC DISTRIBUTION: 30650 (46%), 30670 (54%)

AVERAGE GRADE: 5.4

EXPRESSED JOB INTEREST: 5.8

PERCEIVED UTILIZATION OF TALENTS: 4.3

PERCEIVED UTILIZATION OF TRAINING: 4.5

AVERAGE NUMBER OF TASKS PERFORMED: 8

TIME SPENT ON DUTIES:

DUTY

AVERAGE PERCENT TIME
SPENT BY ALL MEMBERS

D TRAINING

91

FIVE REPRESENTATIVE TASKS:

TASK

PERCENT MEMBERS
PERFORMING

D173 CONDUCT RESIDENT COURSE CLASSROOM TRAINING
D189 PREPARE LESSON PLANS
D175 COUNSEL TRAINEES ON TRAINING PROGRESS
D183 EVALUATE PROGRESS OR RESIDENT COURSE STUDENTS
D180 DEVELOP RESIDENT COURSE CURRICULUM MATERIALS

100
77
77
69
62

GROUP ID NUMBER AND TITLE: GPO293, KW-26 INSTRUCTORS

PERCENT OF SAMPLE: LESS THAN 1

MAJOR COMMAND DISTRIBUTION: ATC 100%

LOCATION: CONUS 100%

DAFSC DISTRIBUTION: 30650 (89%), 30670 (11%)

AVERAGE GRADE: 4.7

EXPRESSED JOB INTEREST: 6.1

PERCEIVED UTILIZATION OF TALENTS: 5.1

PERCEIVED UTILIZATION OF TRAINING: 5.2

AVERAGE NUMBER OF TASKS PERFORMED: 26

TIME SPENT ON DUTIES:

DUTY

AVERAGE PERCENT TIME
SPENT BY ALL MEMBERS

G MAINTAINING KW-26
D TRAINING

49
37

FIVE REPRESENTATIVE TASKS:

TASK

PERCENT MEMBERS
PERFORMING

D173	CONDUCT RESIDENT COURSE CLASSROOM TRAINING	100
G340	CHECK OPERATION OF KW-26 EQUIPMENT	89
D176	DEMONSTRATE HOW TO LOCATE TECHNICAL INFORMATION	89
D189	PREPARE LESSON PLANS	89
G365	REMOVE AND REPLACE KW-26 DRIVER PACKAGES OR CORE BOARDS	67

GROUP ID NUMBER AND TITLE: GP0164, KG-13 INSTRUCTORS

PERCENT OF SAMPLE: LESS THAN 1

MAJOR COMMAND DISTRIBUTION: ATC 100%

LOCATION: CONUS 100%

DAFSC DISTRIBUTION: 30650 (75%), 30670 (25%)

AVERAGE GRADE: 5.0

EXPRESSED JOB INTEREST: 5.9

PERCEIVED UTILIZATION OF TALENTS: 4.5

PERCEIVED UTILIZATION OF TRAINING: 4.3

AVERAGE NUMBER OF TASKS PERFORMED: 46

TIME SPENT ON DUTIES:

DUTY

AVERAGE PERCENT TIME
SPENT BY ALL MEMBERS

D TRAINING 35
I MAINTAINING KG-13 21

FIVE REPRESENTATIVE TASKS:

TASK

PERCENT MEMBERS
PERFORMING

D173	CONDUCT RESIDENT COURSE CLASSROOM TRAINING	100
D176	DEMONSTRATE HOW TO LOCATE TECHNICAL INFORMATION	100
B78	COUNSEL PERSONNEL ON PERSONAL OR MILITARY RELATED PROBLEMS	88
D189	PREPARE LESSON PLANS	88
I433	ISOLATE MALFUNCTIONS WITHIN KG-13 SYNCHRONIZER	63

GROUP ID NUMBER AND TITLE: GPO242, KY-8, KY-28, AND KY-38 INSTRUCTORS

PERCENT OF SAMPLE: LESS THAN 1

MAJOR COMMAND DISTRIBUTION: ATC 80% USAFSS 20%

LOCATION: CONUS 100%

DAFSC DISTRIBUTION: 30670 (100%)

AVERAGE GRADE: 6.0

EXPRESSED JOB INTEREST: 5.8

PERCEIVED UTILIZATION OF TALENTS: 4.8

PERCEIVED UTILIZATION OF TRAINING: 5.2

AVERAGE NUMBER OF TASKS PERFORMED: 88

TIME SPENT ON DUTIES:

<u>DUTY</u>	<u>AVERAGE PERCENT TIME SPENT BY ALL MEMBERS</u>
L MAINTAINING KY-8	25
M MAINTAINING KY-28	20
N MAINTAINING KY-38	14

FIVE REPRESENTATIVE TASKS:

<u>TASK</u>	<u>PERCENT MEMBERS PERFORMING</u>
M618 ADJUST KY-28 HEAD SET-HAND SET AUDIO (HAUD)	100
L584 ADJUST KY-8 VOLUME CONTROL	100
M619 ADJUST KY-28 MIC INPUT	100
L582 ADJUST KY-8 POWER SUPPLY DC VOLTAGES	100
D173 CONDUCT RESIDENT COURSE CLASSROOM TRAINING	80

GROUP ID NUMBER AND TITLE: GP0146, KY-3 INSTRUCTOR

PERCENT OF SAMPLE: LESS THAN 1

MAJOR COMMAND DISTRIBUTION: ATC 60% SAC 20% USAFSS 20%

LOCATION: CONUS 100%

DAFSC DISTRIBUTION: 30650 (60%), 30670 (40%)

AVERAGE GRADE: 5.4

EXPRESSED JOB INTEREST: 4.8

PERCEIVED UTILIZATION OF TALENTS: 3.8

PERCEIVED UTILIZATION OF TRAINING: 4.0

AVERAGE NUMBER OF TASKS PERFORMED: 32

TIME SPENT ON DUTIES:

DUTY

AVERAGE PERCENT TIME
SPENT BY ALL MEMBERS

J MAINTAINING KY-3
D TRAINING

72
20

FIVE REPRESENTATIVE TASKS:

TASK

PERCENT MEMBERS
PERFORMING

J471 ADJUST KY-3 CODER (32 WEIGHT) 100
J483 ADJUST KY-3 VOICE OPERATED GAIN ADJUSTMENT
DEVICE (VOGAD) SQUELCH CONTROL 100
J472 ADJUST KY-3 COMPRESSOR BALANCE CONTROL 100
D173 CONDUCT RESIDENT COURSE CLASSROOM TRAINING 60
D175 COUNSEL TRAINEES ON TRAINING PROGRESS 60