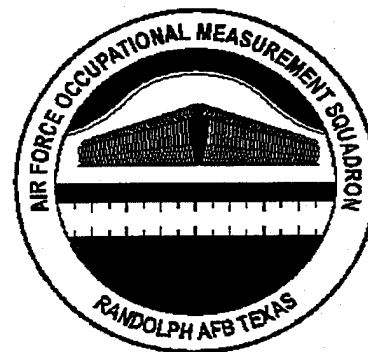
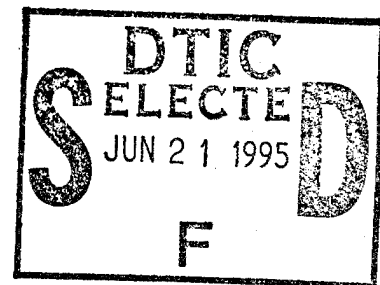




*UNITED STATES
AIR FORCE*



TASK ANALYSIS



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for public release and sale; its
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**GROUND RADIO COMMUNICATIONS
AFSC 2E1X3
MAY 1995**

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

DTIC QUALITY INSPECTED 5

19950616 108



DEPARTMENT OF THE AIR FORCE
AIR FORCE OCCUPATIONAL MEASUREMENT SQUADRON (AETC)

MEMORANDUM FOR SEE DISTRIBUTION

FROM: AFOMS/OMYB
1550 5TH STREET EAST
RANDOLPH AFB, TX 78150-4449

SUBJECT: Task Analysis (TA) Report

1. The attached package contains a copy of the recently published TA for the Ground Radio Communications Specialty, AFSC 2E1X3. This TA was performed by the Training Applications Section of the Air Force Occupational Analysis Program to expand on the information already reported in the Occupational Survey Report for this specialty.

2. TA is an extension of the occupational analysis process. It provides additional details on knowledge, skills, and activities associated with the tasks identified by the occupational analysis process. It also includes information on references and tools associated with doing the task. The TA provides essential information used in initial steps of the Instructional Systems Development process to produce quality training. The information in this TA has application in both developing resident and on-the-job training programs.

3. The project officer for this report is SSgt Diana R. Bryan. Please contact her at DSN 487-~~3694~~ if we can be of assistance in interpreting or applying the results to any training program revision.

4075

Dist - See last page

Roger W. Barnes
ROGER W. BARNES, Lt Col, USAF
Chief, Training Applications Section

Attachment:
AFSC 2E1X3 TA Report

Accession For	
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DTIC TAB	☐
Unannounced	☐
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PREFACE

The Air Force Occupational Measurement Squadron (AFOMS), Occupational Analysis Flight (OMY), is assigned primary responsibility for developing occupational survey reports (OSRs) and task analyses (TAs) for Air Force specialties. OSRs summarize the results of occupational surveys and identify the structure of a career ladder in terms of jobs performed. TAs identify activities, skills, and knowledge needed to perform those jobs, as well as specific information needed for revision or development of career field education and training plans (CFETPs), specialty training standards (STSs), course training standards (CTSs), initial skills training, on-the-job training (OJT), and career development courses (CDCs). These TAs fulfill most requirements of the analysis phase of the Instructional System Development (ISD) model prescribed in AFM 36-2234, Instructional System Development.

The task analyst for this project was SSgt Diana R. Bryan. TA data were collected and validated at the following locations: 12th Communications Squadron, Randolph AFB, TX; 37th Communications Squadron, Lackland AFB, TX; 76th Communications Squadron, Kelly AFB, TX; and 3rd CCG, Tinker AFB, OK. We would like to express our appreciation to the staff members and subject-matter experts (SMEs) from these units for helping us complete this project.

Detailed TAs were accomplished through interviews with highly qualified SMEs performing each task. The analyses were then validated by additional SMEs at different locations. Each TA is documented on a separate task analysis worksheet (TAW). Task title, publications, team task information, recertification requirements, standards, and equipment support each task. The activities provide step-by-step analysis of how the task is accomplished. Skills are the proficiencies personnel must have to perform the activities. Knowledge is a mental process that involves the recall and application of information.

The Ground Radio Communications TA was developed in conjunction with the 2E1X3 OSR. These reports are available in disk and printed formats to Air Staff sections, major commands (MAJCOMs), the Enlisted Specialty Training (EST) community, and other interested training and management officials upon request. Address requests to AFOMS/OMY, 1550 5th Street East, Randolph AFB TX 78150-4449, DSN 487-6623.

RICHARD C. OURAND, JR., Lt Col, USAF
Commander
Air Force Occupational Measurement
Squadron

JOSEPH S. TARTELL
Chief, Occupational Analysis Program
Air Force Occupational Measurement
Squadron

INTRODUCTION

This document provides TA information for the Ground Radio Communications Specialty, AFSC 2E1X3. The analysis encompasses tasks from the AFSC 2E1X3 job inventory (JI) dated September 1992. Tasks selected for analysis are performed by a substantial percentage of 5-skill level personnel occupying the AFSC. The difficulty of the task and relative time spent performing the task, as identified by respondents to the occupational survey, were considered when selecting tasks for analysis. TA data were collected from February through April 1995.

USES OF TA

TA is a primary source of information for personnel developing training programs. TA information, recorded on task analysis worksheets (TAWs), can be useful during Utilization and Training Workshops (U&TWs) and Training Planning Team (TPT) meetings.

TECHNICAL TRAINING

TA information can be used in developing the plan of instruction/syllabus for 2E1X3 specialty courses. Each task is analyzed to determine performance requirements such as which activities must be performed, specific skills and knowledge individuals must possess to do their jobs, and the performance standard that must be achieved. This information is used to develop course objectives and to sequence the training. The standard of performance is also identified on each TAW. The activities listed on the TAWs can be used to develop the teaching steps for a lesson plan. In addition, the TAWs provide an outline for developing student instructional materials (study guides and workbooks).

ON-THE-JOB TRAINING

TA is available for enhancing and standardizing OJT programs. The TAWs contain much of the information required for a successful OJT program. Each TAW has a breakdown of activities, skills, and knowledge needed to do the task, in addition to other descriptive information. These TAWs are designed to be "living documents." Supervisors or trainers can adapt the information to their own OJT programs simply by annotating the TAWs with the unique requirements of their unit.

TASK ANALYSIS WORKSHEET (TAW) FORMAT

1. **TASK ID:** The alpha/numeric task number assigned to each task.
2. **TASK TITLE:** Statement of work analyzed.
3. **TASK NOTES:** Contain notes and explanatory information, if required.
4. **PUBLICATION:** This section lists the governing directives commonly used to perform the task; i.e., technical publications, regulations, operating instructions, and other documents associated with the task.
5. **TEAM TASK INFORMATION:** Identifies tasks that require more than one person to perform. "Y" indicates more than one individual is required to perform tasks. "N" indicates tasks can be done without assistance.
6. **RECERTIFICATION REQUIREMENT CODE:** The number of months between task recertification, if required.
7. **PREREQUISITE TASKS:** Other tasks that must be performed before performance of the current task may begin.
8. **STANDARD:** The criteria a supervisor or evaluator would use to determine proper completion of the task.
9. **PERFORMANCE RESOURCES:** A list of equipment, tools, and supplies, including forms, listings, etc., required to perform the activities involved in the task.
10. **SUBTASK IDENTIFICATION STATEMENT:** The general activities or steps performed to accomplish the task.
11. **SUPPORTING SKILLS AND KNOWLEDGE:** Skill statements represent the physical (psychomotor) processes used. Knowledge, not directly observable, involves the use of mental processes enabling recall of facts, identification of concepts, application of rules or principles, solution of problems, or creative thinking.

AFSC 2E1X3 - TASKS ANALYZED

TASK ID	TASK TITLE	PAGE NO.
H0264	ASSEMBLE OR WIRE EQUIPMENT COMPONENTS FOR INSTALLATION	1
H0265	INSPECT COMPLETED INSTALLATION OF GRCE	3
I0349	ALIGN OR ADJUST POWER AMPLIFIERS	6
I0358	ISOLATE MALFUNCTIONS WITHIN FM EQUIPMENT	8
I0359	ISOLATE MALFUNCTIONS WITHIN HF EQUIPMENT	10
I0361	ISOLATE MALFUNCTIONS WITHIN UHF OR VHF EQUIPMENT	12
I0364	ISOLATE MALFUNCTIONS WITHIN POWER AMPLIFIERS	14
I0366	ISOLATE MALFUNCTIONS WITHIN SIDE-BAND EQUIPMENT	16
I0367	LUBRICATE MECHANICAL PARTS OF GRCE	18
I0371	OPERATIONALLY CHECK FM EQUIPMENT	21
I0372	OPERATIONALLY CHECK HF EQUIPMENT	23
I0374	OPERATIONALLY CHECK UHF OR VHF EQUIPMENT	25
I0381	OPERATIONALLY CHECK SIDE-BAND EQUIPMENT	27
I0382	PERFORM TCTO MODIFICATIONS OF INSTALLED GRCE	29
I0387	REMOVE OR REPLACE HF SYSTEM LRUS	32
I0389	REMOVE OR REPLACE UHF OR VHF SYSTEM LRUS	34
I0397	TEST STATION GROUNDS	36
I0398	VISUALLY INSPECT STATION GROUNDS	38
J0399	ADJUST ANTENNA SYSTEM GUY WIRES OR ELEMENTS	40

J0402	ALIGN ATC TOWER LIGHT GUNS	42
J0404	ALIGN OR ADJUST BATTERY BACKUP SYSTEMS	44
J0406	ALIGN OR ADJUST COMMUNICATIONS CONSOLES	46
J0411	ALIGN OR ADJUST RECORDER-REPRODUCERS	48
J0414	ISOLATE MALFUNCTIONS TO LAND LINES	50
J0416	ISOLATE MALFUNCTIONS WITHIN ATC TOWER LIGHT GUNS	52
J0426	ISOLATE MALFUNCTIONS WITHIN COMMUNICATIONS CONSOLES TO LRUS	54
J0427	ISOLATE MALFUNCTIONS WITHIN COMMUNICATIONS PATCH PANELS	56
J0437	ISOLATE MALFUNCTIONS WITHIN RECORDER-REPRODUCERS TO LRUS	59
J0445	OPERATIONALLY CHECK ATC TOWER LIGHT GUNS	61
J0449	OPERATIONALLY CHECK BACKUP POWER SUPPLIES	63
J0450	OPERATIONALLY CHECK BATTERY CHARGERS	65
J0453	OPERATIONALLY CHECK COMMUNICATIONS CONSOLES	67
J0462	OPERATIONALLY CHECK LAND LINES	69
J0465	OPERATIONALLY CHECK RECORDER-REPRODUCERS	71
J0472	REMOVE OR REPLACE ATC TOWER LIGHT GUNS	73
J0482	REMOVE OR REPLACE COMMUNICATIONS CONSOLE LRUS	75
J0493	REMOVE OR REPLACE RECORDER-REPRODUCER LRUS	77
J0499	TEST LAND LINES	79

K0504	ALIGN FM EQUIPMENT OR SUBASSEMBLIES	81
K0505	ALIGN HF EQUIPMENT OR SUBASSEMBLIES	83
K0507	ALIGN UHF OR VHF EQUIPMENT OR SUBASSEMBLIES	85
K0512	ALIGN RECORDER-REPRODUCER SUBASSEMBLIES	87
K0525	BENCH CHECK FM EQUIPMENT OR SUBASSEMBLIES	89
K0526	BENCH CHECK HF EXCITERS OR SUBASSEMBLIES	91
K0527	BENCH CHECK HF POWER AMPLIFIERS OR SUBASSEMBLIES	93
K0528	BENCH CHECK HF RECEIVERS OR SUBASSEMBLIES	95
K0529	BENCH CHECK HF TRANSCEIVERS OR SUBASSEMBLIES	97
K0536	BENCH CHECK UHF OR VHF POWER AMPLIFIERS OR SUBASSEMBLIES	99
K0537	BENCH CHECK UHF OR VHF RECEIVERS OR SUBASSEMBLIES	101
K0538	BENCH CHECK UHF OR VHF TRANSCEIVERS OR SUBASSEMBLIES	103
K0539	BENCH CHECK UHF OR VHF TRANSMITTERS SUBASSEMBLIES	105
K0542	BENCH CHECK POWER SUPPLY EQUIPMENT OR SUBASSEMBLIES	107
K0550	PERFORM CORROSION PREVENTION ON GRCE	109
K0556	REMOVE OR REPLACE FM EQUIPMENT SUBASSEMBLIES	111
K0557	REMOVE OR REPLACE HF EQUIPMENT SUBASSEMBLIES	113
K0559	REMOVE OR REPLACE UHF OR VHF EQUIPMENT SUBASSEMBLIES	115

K0561	REMOVE OR REPLACE POWER SUPPLY EQUIPMENT SUBASSEMBLIES	117
K0567	SERVICE TEST EQUIPMENT	119
K0568	SOLDER COMMUNICATIONS EQUIPMENT COMPONENTS, OTHER THAN HIGH-RELIABILITY SOLDERING	121
L0569	BENCH CHECK ANTENNA COUPLER COMPONENTS	124
L0579	BENCH CHECK HF EQUIPMENT COMPONENTS	126
L0581	BENCH CHECK UHF OR VHF EQUIPMENT COMPONENTS	128
L0588	BENCH CHECK POWER SUPPLY UNIT COMPONENTS	130
L0589	BENCH CHECK RECORDER-REPRODUCER COMPONENTS	132
L0590	BENCH CHECK REMOTE CONTROL UNIT COMPONENTS	134
L0595	PERFORM HIGH-RELIABILITY SOLDERING OF INTEGRATED CIRCUITS	136
L0602	REMOVE OR REPLACE COMMUNICATIONS CONSOLE DISCRETE COMPONENTS	139
L0609	REMOVE OR REPLACE HF EQUIPMENT DISCRETE COMPONENTS	142
L0611	REMOVE OR REPLACE UHF OR VHF EQUIPMENT DISCRETE COMPONENTS	145
L0619	REMOVE OR REPLACE RECORDER-REPRODUCER DISCRETE COMPONENTS	148
O0696	ALIGN OR ADJUST PUBLIC ADDRESS (PA) SYSTEMS	151
O0697	BENCH CHECK PA SYSTEM COMPONENTS	153
O0699	CONDUCT LOCATION SURVEYS FOR PA SYSTEMS	155
O0701	COORDINATE SUPPORT REQUESTS FOR PA SYSTEMS WITH APPROPRIATE AGENCIES	156

O0702	FABRICATE AUDIO CABLES FOR PA SYSTEMS	157
O0703	INSTALL FIXED PA SYSTEMS	159
O0704	ISOLATE MALFUNCTIONS WITHIN PA SYSTEMS TO LRUS	161
O0706	OPERATE PA SYSTEMS	163
O0707	OPERATIONALLY CHECK PA SYSTEMS	165
O0709	REMOVE OR REPLACE PA SYSTEM DISCRETE COMPONENTS	167
O0710	REMOVE OR REPLACE PA SYSTEM LRUS	169
O0712	SET UP OR TEAR DOWN PORTABLE PA SYSTEMS	171

TASK ID:

H0264

TASK TITLE:

ASSEMBLE OR WIRE EQUIPMENT COMPONENTS FOR INSTALLATION

PUBLICATIONS:

EQUIPMENT TECHNICAL ORDER (T.O.)

31-10 SERIES TECHNICAL ORDER (T.O.)

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR THE REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

STANDARD:

IAW T.O.

PERFORMANCE RESOURCES:

FLUX

SOLDER

SOLDER STATION

TEST EQUIPMENT

COMMON HANDTOOLS

PROJECT PACKAGE/ENGINEERING TASK DESCRIPTION

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

01

START MDC/CAMS DOCUMENTATION, IF APPLICABLE

02

GATHER EQUIPMENT AND SUPPLIES

03

GATHER T.O.

04

FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD

- 05
ENSURE NO POWER IS APPLIED TO EQUIPMENT
- 06
REMOVE APPROPRIATE COVER, IF APPLICABLE
- 07
STRAP PRIMARY POWER STRAPPING FOR APPROPRIATE VOLTAGE IAW
T.O./ENGINEERING TASK DESCRIPTION
- 08
STRAP AUDIO CIRCUITRY FOR LOCAL OPERATING CONDITIONS IAW
T.O./ENGINEERING TASK DESCRIPTION
- 09
SET UP TEST EQUIPMENT, IF NECESSARY
- 10
PERFORM INITIAL OPERATING PROCEDURES IAW T.O./ENGINEERING TASK
DESCRIPTION
- 11
PERFORM TROUBLESHOOTING PROCEDURES IF EQUIPMENT DOES NOT
MEET MINIMUM OPERATING STANDARDS
- 12
REMOVE TEST EQUIPMENT, IF NECESSARY
- 13
REPLACE COVER, IF APPLICABLE
- 14
RETURN EQUIPMENT AND SUPPLIES
- 15
CLEAN WORK AREA
- 16
UPDATE MDC, IF APPLICABLE

SUPPORTING SKILLS/KNOWLEDGE:

- S USE SOLDER STATION
- S USE TEST EQUIPMENT
- S USE COMMON HANDTOOLS
- S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER
- K INTERPRET MEASUREMENTS
- K INTERPRET TECHNICAL DATA
- K RECOGNIZE CHEMICAL HAZARDS
- K ANNOTATE APPROPRIATE FORM(S)
- K RECOGNIZE ELECTRICAL HAZARDS
- K APPLY PROPER SAFETY PROCEDURES

TASK ID:

H0265

TASK TITLE:

INSPECT COMPLETED INSTALLATION OF GRCE

PUBLICATIONS:

EQUIPMENT TECHNICAL ORDER (T.O.)

31-10 SERIES TECHNICAL ORDER (T.O.)

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

PREREQUISITE TASKS(S):

I0371, OPERATIONALLY CHECK FM EQUIPMENT

I0372, OPERATIONALLY CHECK HF EQUIPMENT

I0374, OPERATIONALLY CHECK UHF OR VHF EQUIPMENT

I0381, OPERATIONALLY CHECK SIDE-BAND EQUIPMENT

STANDARD:

IAW T.O.

PERFORMANCE RESOURCES:

TEST EQUIPMENT

COMMON HANDTOOLS

PROJECT PACKAGE/ENGINEERING TASK DESCRIPTION

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

01

RECEIVE NOTIFICATION OF COMPLETED PROJECT

02

START MDC/CAMS DOCUMENTATION

03

GATHER EQUIPMENT AND SUPPLIES

04

GATHER T.O.

05

FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD

- 06
ENSURE ALL PRE-SHAKEDOWN AND/OR SHAKEDOWN TESTS HAVE BEEN COMPLETED
- 07
VERIFY COMMUNICATIONS-COMPUTER SYSTEMS INSTALLATION RECORDS (CSIR) ARE UPDATED
- 08
UPDATE EQUIPMENT INVENTORY LISTINGS (EIL), IF APPLICABLE
- 09
ENSURE EQUIPMENT IS INSTALLED IAW PROJECT PACKAGE AND T.O. COMPLIANCE
- 10
INSPECT COMMUNICATIONS SYSTEMS FOR GROUNDING, BONDING, AND SHIELDING
- 11
INSPECT TERMINATING AND SOLDERING ELECTRICAL CONNECTIONS
- 12
INSPECT ERECTION AND ASSEMBLY OF COMMUNICATIONS-ELECTRONIC (CE) EQUIPMENT
- 13
INSPECT CABLE RACKS, TROUGHS, AND THEIR SUPPORT
- 14
INSPECT METAL DUCTS AND CONDUIT
- 15
INSPECT ANCHORING DEVICES FOR GROUND CE EQUIPMENT
- 16
INSPECT FANNING AND FORMING CONDUCTORS FOR GROUND CE EQUIPMENT
- 17
INSPECT STRAPPING OF FIXED GROUND CE EQUIPMENT
- 18
PERFORM OPERATIONAL CHECK OF EQUIPMENT
- 19
VERIFY ALL PUBLICATIONS/T.O.S ARE ON HAND, IF APPLICABLE
- 20
VERIFY ALL TEST EQUIPMENT IS ON HAND, IF APPLICABLE
- 21
UPDATE PREVENTIVE MAINTENANCE INSPECTION (PMI) LISTINGS, IF APPLICABLE
- 22
ESTABLISH HISTORICAL RECORDS, IF APPLICABLE
- 23
DOCUMENT DISCREPANCIES IF INSTALLATION DOES NOT MEET STANDARDS, IF APPLICABLE

24

NOTIFY USER OF EQUIPMENT AVAILABILITY UPON ACCEPTANCE

25

RETURN EQUIPMENT AND SUPPLIES

26

CLEAN WORK AREA

27

UPDATE MDC

SUPPORTING SKILLS/KNOWLEDGE:

S USE TEST EQUIPMENT

S USE COMMON HANDTOOLS

S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

K INTERPRET MEASUREMENTS

K INTERPRET TECHNICAL DATA

K INTERPRET CHARTS/DIAGRAMS

K RECOGNIZE CHEMICAL HAZARDS

K ANNOTATE APPROPRIATE FORM(S)

K RECOGNIZE ELECTRICAL HAZARDS

K APPLY PROPER SAFETY PROCEDURES

K RECALL PROCEDURES RELATED TO CORROSION CONTROL AND
PREVENTION

K RECOGNIZE IMPORTANCE OF PROPER DISPOSAL OF HAZARDOUS WASTE

TASK ID:

I0349

TASK TITLE:

ALIGN OR ADJUST POWER AMPLIFIERS

PUBLICATIONS:

EQUIPMENT TECHNICAL ORDER (T.O.)

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

STANDARD:

IAW T.O.

PERFORMANCE RESOURCES:

TEST EQUIPMENT

COMMON HANDTOOLS

AFTO FORM 350, REPAIRABLE ITEM PROCESSING TAG

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

01

REVIEW WORK ORDER

02

START MDC/CAMS DOCUMENTATION

03

COORDINATE RELEASE OF EQUIPMENT WITH USER

04

GATHER EQUIPMENT AND SUPPLIES

05

GATHER T.O.

06

FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD

07

SET-UP TEST EQUIPMENT

08

ADJUST INITIAL TEST EQUIPMENT LEVELS/PARAMETERS

09

PERFORM ALIGNMENT PROCEDURES AS SPECIFIED IN T.O.

10

PERFORM TROUBLESHOOTING PROCEDURES ON CARDS/MODULES THAT
DON'T CONFORM TO T.O. SPECIFICATIONS

11

REMOVE TEST EQUIPMENT

12

PERFORM OPERATIONAL CHECK OF EQUIPMENT

13

RETURN EQUIPMENT AND SUPPLIES

14

UPDATE MDC

SUPPORTING SKILLS/KNOWLEDGE:

S USE TEST EQUIPMENT

S USE COMMON HANDTOOLS

S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

K INTERPRET MEASUREMENTS

K INTERPRET TECHNICAL DATA

K ANNOTATE APPROPRIATE FORM(S)

K APPLY PROPER SAFETY PROCEDURES

K RECALL TROUBLESHOOTING PROCEDURES

TASK ID:

I0358

TASK TITLE:

ISOLATE MALFUNCTIONS WITHIN FM EQUIPMENT

PUBLICATIONS:

EQUIPMENT TECHNICAL ORDER (T.O.)

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

PREREQUISITE TASK(S):

I0371, OPERATIONALLY CHECK FM EQUIPMENT

STANDARD:

IAW T.O.

PERFORMANCE RESOURCES:

TEST EQUIPMENT

COMMON HANDTOOLS

AFTO FORM 350, REPAIRABLE ITEM PROCESSING TAG

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

01

REVIEW WORK ORDER

02

START MDC/CAMS DOCUMENTATION

03

COORDINATE RELEASE OF EQUIPMENT WITH USER

04

GATHER EQUIPMENT AND SUPPLIES

05
GATHER T.O.
06
FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD
07
VERIFY INDICATIONS THROUGH OPERATIONAL CHECK
08
TURN OFF AND/OR DISCONNECT POWER, IF NECESSARY
09
DISASSEMBLE FM EQUIPMENT, IF NECESSARY
10
SET UP TEST EQUIPMENT
11
PERFORM TROUBLESHOOTING PROCEDURES TO ISOLATE MALFUNCTION
12
DISCONNECT TEST EQUIPMENT
13
REASSEMBLE FM EQUIPMENT, IF NECESSARY
14
TAG EQUIPMENT, IF NECESSARY
15
COORDINATE WITH USER FOR NEED OF REPLACEMENT EQUIPMENT
16
RETURN EQUIPMENT AND SUPPLIES
17
UPDATE MDC

SUPPORTING SKILLS/KNOWLEDGE:

S USE TEST EQUIPMENT
S USE COMMON HANDTOOLS
S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER
K INTERPRET MEASUREMENTS
K INTERPRET TECHNICAL DATA
K INTERPRET CHARTS/DIAGRAMS
K ANNOTATE APPROPRIATE FORM(S)
K RECOGNIZE ELECTRICAL HAZARDS
K APPLY PROPER SAFETY PROCEDURES
K RECALL TROUBLESHOOTING PROCEDURES

TASK ID:

I0359

TASK TITLE:

ISOLATE MALFUNCTIONS WITHIN HF EQUIPMENT

PUBLICATIONS:

EQUIPMENT TECHNICAL ORDER (T.O.)

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

PREREQUISITE TASKS(S):

I0372, OPERATIONALLY CHECK HF EQUIPMENT

STANDARD:

IAW T.O.

PERFORMANCE RESOURCES:

TEST EQUIPMENT

COMMON HANDTOOLS

AFTO FORM 350, REPAIRABLE ITEM PROCESSING TAG

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

01

REVIEW WORK ORDER

02

START MDC/CAMS DOCUMENTATION

03

COORDINATE RELEASE OF EQUIPMENT WITH USER

04

GATHER EQUIPMENT AND SUPPLIES

05
GATHER T.O.
06
FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD
07
VERIFY INDICATIONS THROUGH OPERATIONAL CHECK
08
TURN OFF AND/OR DISCONNECT POWER, IF NECESSARY
09
DISASSEMBLE HF EQUIPMENT, IF NECESSARY
10
SET UP TEST EQUIPMENT
11
PERFORM TROUBLESHOOTING PROCEDURES TO ISOLATE MALFUNCTION
12
DISCONNECT TEST EQUIPMENT
13
REASSEMBLE HF EQUIPMENT, IF NECESSARY
14
TAG EQUIPMENT, IF NECESSARY
15
COORDINATE WITH USER FOR NEED OF REPLACEMENT EQUIPMENT
16
RETURN EQUIPMENT AND SUPPLIES
17
UPDATE MDC

SUPPORTING SKILLS/KNOWLEDGE:

S USE TEST EQUIPMENT
S USE COMMON HANDTOOLS
S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER
K INTERPRET MEASUREMENTS
K INTERPRET TECHNICAL DATA
K INTERPRET CHARTS/DIAGRAMS
K ANNOTATE APPROPRIATE FORM(S)
K RECOGNIZE ELECTRICAL HAZARDS
K APPLY PROPER SAFETY PROCEDURES
K RECALL TROUBLESHOOTING PROCEDURES

TASK ID:

I0361

TASK TITLE:

ISOLATE MALFUNCTIONS WITHIN UHF OR VHF EQUIPMENT

PUBLICATIONS:

EQUIPMENT TECHNICAL ORDER (T.O.)

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

PREREQUISITE TASK(S):

I0374, OPERATIONALLY CHECK UHF OR VHF EQUIPMENT

STANDARD:

IAW T.O.

PERFORMANCE RESOURCES:

TEST EQUIPMENT

COMMON HANDTOOLS

AFTO FORM 350, REPAIRABLE ITEM PROCESSING TAG

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

01

REVIEW WORK ORDER

02

START MDC/CAMS DOCUMENTATION

03

COORDINATE RELEASE OF EQUIPMENT WITH USER

04

GATHER EQUIPMENT AND SUPPLIES

- 05
GATHER T.O.
- 06
FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD
- 07
VERIFY INDICATIONS THROUGH OPERATONAL CHECK
- 08
TURN OFF AND/OR DISCONNECT POWER, IF NECESSARY
- 09
DISASSEMBLE UHF/VHF EQUIPMENT, IF NECESSARY
- 10
SET UP TEST EQUIPMENT
- 11
PERFORM TROUBLESHOOTING PROCEDURES TO ISOLATE MALFUNCTION
- 12
DISCONNECT TEST EQUIPMENT
- 13
REASSEMBLE UHF/VHF EQUIPMENT, IF NECESSARY
- 14
TAG EQUIPMENT, IF NECESSARY
- 15
COORDINATE WITH USER FOR NEED OF REPLACEMENT EQUIPMENT
- 16
RETURN EQUIPMENT AND SUPPLIES
- 17
UPDATE MDC

SUPPORTING SKILLS/KNOWLEDGE:

- S USE TEST EQUIPMENT
- S USE COMMON HANDTOOLS
- S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER
- K INTERPRET MEASUREMENTS
- K INTERPRET TECHNICAL DATA
- K INTERPRET CHARTS/DIAGRAMS
- K ANNOTATE APPROPRIATE FORM(S)
- K RECOGNIZE ELECTRICAL HAZARDS
- K APPLY PROPER SAFETY PROCEDURES
- K RECALL TROUBLESHOOTING PROCEDURES

TASK ID:

I0364

TASK TITLE:

ISOLATE MALFUNCTIONS WITHIN POWER AMPLIFIERS

PUBLICATIONS:

EQUIPMENT TECHNICAL ORDER (T.O.)

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

PREREQUISITE TASK(S):

I0349, ALIGN OR ADJUST POWER AMPLIFIERS

STANDARD:

IAW T.O.

PERFORMANCE RESOURCES:

TEST EQUIPMENT

COMMON HANDTOOLS

AFTO FORM 350, REPAIRABLE ITEM PROCESSING TAG

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

01

REVIEW WORK ORDER

02

START MDC/CAMS DOCUMENTATION

03

COORDINATE RELEASE OF EQUIPMENT WITH USER

04

GATHER EQUIPMENT AND SUPPLIES

05
GATHER T.O.
06
FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD
07
VERIFY INDICATIONS IAW T.O.
08
TURN OFF AND/OR DISCONNECT POWER, IF NECESSARY
09
DISASSEMBLE POWER AMPLIFIER, IF NECESSARY
10
SET UP TEST EQUIPMENT
11
PERFORM TROUBLESHOOTING PROCEDURES TO ISOLATE MALFUNCTION
12
DISCONNECT TEST EQUIPMENT
13
REASSEMBLE POWER AMPLIFIER, IF NECESSARY
14
TAG EQUIPMENT, IF NECESSARY
15
COORDINATE WITH USER FOR NEED OF REPLACEMENT EQUIPMENT, IF
NECESSARY
16
RETURN EQUIPMENT AND SUPPLIES
17
UPDATE MDC

SUPPORTING SKILLS/KNOWLEDGE:

S USE TEST EQUIPMENT
S USE COMMON HANDTOOLS
S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER
K INTERPRET MEASUREMENTS
K INTERPRET TECHNICAL DATA
K K INTERPRET CHARTS/DIAGRAMS
K ANNOTATE APPROPRIATE FORM(S)
K RECOGNIZE ELECTRICAL HAZARDS
K APPLY PROPER SAFETY PROCEDURES
K RECALL TROUBLESHOOTING PROCEDURES

TASK ID:

I0366

TASK TITLE:

ISOLATE MALFUNCTIONS WITHIN SIDE-BAND EQUIPMENT

PUBLICATIONS:

EQUIPMENT TECHNICAL ORDER (T.O.).

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

PREREQUISITE TASK(S):

I0381, OPERATIONALLY CHECK SIDE-BAND EQUIPMENT

STANDARD:

IAW T.O.

PERFORMANCE RESOURCES:

TEST EQUIPMENT

COMMON HANDTOOLS

AFTO FORM 350, REPAIRABLE ITEM PROCESSING TAG

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

01

REVIEW WORK ORDER

02

START MDC/CAMS DOCUMENTATION

03

COORDINATE RELEASE OF EQUIPMENT WITH USER

04

GATHER EQUIPMENT AND SUPPLIES

05

GATHER T.O.

06

FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD

07

VERIFY INDICATIONS THROUGH OPERATIONAL CHECK

08

TURN OFF AND/OR DISCONNECT POWER, IF NECESSARY

09

DISASSEMBLE SIDE-BAND EQUIPMENT, IF NECESSARY

10

SET UP TEST EQUIPMENT

11

PERFORM TROUBLESHOOTING PROCEDURES TO ISOLATE MALFUNCTION

12

DISCONNECT TEST EQUIPMENT

13

REASSEMBLE SIDE-BAND EQUIPMENT, IF NECESSARY

14

TAG EQUIPMENT, IF NECESSARY

15

COORDINATE WITH USER FOR NEED OF REPLACEMENT EQUIPMENT, IF NECESSARY

16

RETURN EQUIPMENT AND SUPPLIES

17

UPDATE MDC

SUPPORTING SKILLS/KNOWLEDGE:

S USE TEST EQUIPMENT

S USE COMMON HANDTOOLS

S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

K INTERPRET MEASUREMENTS

K INTERPRET TECHNICAL DATA

K INTERPRET CHARTS/DIAGRAMS

K ANNOTATE APPROPRIATE FORM(S)

K RECOGNIZE ELECTRICAL HAZARDS

K APPLY PROPER SAFETY PROCEDURES

K RECALL TROUBLESHOOTING PROCEDURES

TASK ID:

I0367

TASK TITLE:

LUBRICATE MECHANICAL PARTS OF GRCE

PUBLICATIONS:

EQUIPMENT TECHNICAL ORDER (T.O.)

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

PREREQUISITE TASK(S):

I0371, OPERATIONALLY CHECK FM EQUIPMENT

I0372, OPERATIONALLY CHECK HF EQUIPMENT

I0374, OPERATIONALLY CHECK UHF OR VHF EQUIPMENT

I0381, OPERATIONALLY CHECK SIDE-BAND EQUIPMENT

STANDARD:

IAW T.O.

PERFORMANCE RESOURCES:

RAG

APRON

GOGGLES

LUBRICANT

RUBBER GLOVES

CLEANING SOLVENT

COMMON HANDTOOLS

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

01

REVIEW PMI LISTING

02

START MDC/CAMS DOCUMENTATION

03
NOTIFY USER OF EQUIPMENT GOING OFF LINE
04
GATHER T.O.
05
FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD
06
REMOVE POWER FROM EQUIPMENT
07
DISASSEMBLE EQUIPMENT TO BE LUBRICATED
08
DON PERSONAL PROTECTIVE EQUIPMENT/CLOTHING
09
CLEAN COMPONENTS TO BE LUBRICATED
10
PERFORM CORROSION CONTROL, IF NECESSARY
11
LUBRICATE COMPONENTS IAW T.O.
12
DOFF PERSONAL PROTECTIVE EQUIPMENT/CLOTHING
13
REASSEMBLE EQUIPMENT
14
APPLY POWER TO EQUIPMENT
15
PERFORM OPERATIONAL CHECK OF EQUIPMENT
16
NOTIFY USER OF EQUIPMENT AVAILABILITY
17
DISPOSE OF CLEANING SOLVENT IAW LOCAL HAZARDOUS WASTE
DISPOSAL PROCEDURES
18
CLEAN WORK AREA
19
RETURN EQUIPMENT AND SUPPLIES
20
UPDATE MDC

SUPPORTING SKILLS/KNOWLEDGE:

S USE COMMON HANDTOOLS

S USE PERSONAL PROTECTIVE EQUIPMENT

S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

K INTERPRET TECHNICAL DATA

K RECOGNIZE CHEMICAL HAZARDS

K ANNOTATE APPROPRIATE FORM(S)

K APPLY PROPER SAFETY PROCEDURES

K RECALL PROPERTIES OF SOLVENTS/ABRASIVES

K RECALL PROCEDURES RELATED TO CORROSION CONTROL AND
PREVENTION

K RECOGNIZE IMPORTANCE OF PROPER DISPOSAL OF HAZARDOUS WASTE

TASK ID:

I0371

TASK TITLE:

OPERATIONALLY CHECK FM EQUIPMENT

PUBLICATIONS:

EQUIPMENT TECHNICAL ORDER (T.O.)

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

STANDARD:

IAW T.O.

PERFORMANCE RESOURCES:

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

01

START MDC/CAMS DOCUMENTATION

02

COORDINATE RELEASE OF EQUIPMENT WITH USER

03

GATHER EQUIPMENT AND SUPPLIES

04

GATHER T.O.

05

FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD

06

APPLY POWER TO EQUIPMENT, IF NECESSARY

07

VERIFY PROPER OPERATION OF CONTROLS AND INDICATORS ON FM
EQUIPMENT

08

TURN OFF AND/OR DISCONNECT POWER FROM EQUIPMENT, IF NECESSARY

09

INITIATE WORK ORDER, IF NECESSARY

10

RETURN EQUIPMENT AND SUPPLIES

11

UPDATE MDC

SUPPORTING SKILLS/KNOWLEDGE:

S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

K INTERPRET MEASUREMENTS

K RECOGNIZE NOISE HAZARDS

K INTERPRET TECHNICAL DATA

K RECOGNIZE CHEMICAL HAZARDS

K ANNOTATE APPROPRIATE FORM(S)

K APPLY PROPER SAFETY PROCEDURES

TASK ID:

I0372

TASK TITLE:

OPERATIONALLY CHECK HF EQUIPMENT

PUBLICATIONS:

EQUIPMENT TECHNICAL ORDER (T.O.)

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

STANDARD:

IAW T.O.

PERFORMANCE RESOURCES:

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

01

START MDC/CAMS DOCUMENTATION

02

COORDINATE RELEASE OF EQUIPMENT WITH USER

03

GATHER EQUIPMENT AND SUPPLIES

04

GATHER T.O.

05

FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD

06

APPLY POWER TO EQUIPMENT, IF NECESSARY

07

VERIFY PROPER OPERATION OF CONTROLS AND INDICATORS ON HF
EQUIPMENT

08

TURN OFF AND/OR DISCONNECT POWER FROM EQUIPMENT, IF NECESSARY

09

INITIATE WORK ORDER, IF NECESSARY

10

RETURN EQUIPMENT AND SUPPLIES

11

UPDATE MDC

SUPPORTING SKILLS/KNOWLEDGE:

S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

K INTERPRET MEASUREMENTS

K RECOGNIZE NOISE HAZARDS

K INTERPRET TECHNICAL DATA

K RECOGNIZE CHEMICAL HAZARDS

K ANNOTATE APPROPRIATE FORM(S)

K APPLY PROPER SAFETY PROCEDURES

TASK ID:

I0374

TASK TITLE:

OPERATIONALLY CHECK UHF OR VHF EQUIPMENT

PUBLICATIONS:

EQUIPMENT TECHNICAL ORDER (T.O.)

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

STANDARD:

IAW T.O.

PERFORMANCE RESOURCES:

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

01

START MDC/CAMS DOCUMENTATION

02

COORDINATE RELEASE OF EQUIPMENT WITH USER

03

GATHER EQUIPMENT AND SUPPLIES

04

GATHER T.O.

05

FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD

06

APPLY POWER TO EQUIPMENT, IF NECESSARY

07

VERIFY PROPER OPERATION OF CONTROLS AND INDICATORS ON UHF/VHF
EQUIPMENT

08

TURN OFF AND/OR DISCONNECT POWER FROM EQUIPMENT, IF NECESSARY

09

INITIATE WORK ORDER, IF NECESSARY

10

RETURN EQUIPMENT AND SUPPLIES

11

UPDATE MDC

SUPPORTING SKILLS/KNOWLEDGE:

S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

K INTERPRET MEASUREMENTS

K RECOGNIZE NOISE HAZARDS

K INTERPRET TECHNICAL DATA

K RECOGNIZE CHEMICAL HAZARDS

K ANNOTATE APPROPRIATE FORM(S)

K APPLY PROPER SAFETY PROCEDURES

TASK ID:

I0381

TASK TITLE:

OPERATIONALLY CHECK SIDE-BAND EQUIPMENT

PUBLICATIONS:

EQUIPMENT TECHNICAL ORDER (T.O.)

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

STANDARD:

IAW T.O.

PERFORMANCE RESOURCES:

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

01

START MDC/CAMS DOCUMENTATION

02

COORDINATE RELEASE OF EQUIPMENT WITH USER

03

GATHER EQUIPMENT AND SUPPLIES

04

GATHER T.O.

05

FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD

06

APPLY POWER TO EQUIPMENT, IF NECESSARY

07

VERIFY PROPER OPERATION OF CONTROLS AND INDICATORS ON UHF/VHF
EQUIPMENT

08

TURN OFF AND/OR DISCONNECT POWER FROM EQUIPMENT, IF NECESSARY

09

INITIATE WORK ORDER, IF NECESSARY

10

RETURN EQUIPMENT AND SUPPLIES

11

UPDATE MDC

SUPPORTING SKILLS/KNOWLEDGE:

S USE TEST EQUIPMENT

S USE COMMON HANDTOOLS

S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

K INTERPRET MEASUREMENTS

K RECOGNIZE NOISE HAZARDS

K INTERPRET TECHNICAL DATA

K RECOGNIZE CHEMICAL HAZARDS

K ANNOTATE APPROPRIATE FORM(S)

K ANNOTATE APPROPRIATE FORM(S)

K APPLY PROPER SAFETY PROCEDURES

TASK ID:

I0382

TASK TITLE:

PERFORM TCTO MODIFICATIONS OF INSTALLED GRCE

PUBLICATIONS:

TIME COMPLIANCE TECHNICAL ORDER (TCTO)

EQUIPMENT TECHNICAL ORDER (T.O.)

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

PREREQUISITE TASK(S):

I0371, OPERATIONALLY CHECK FM EQUIPMENT

I0372, OPERATIONALLY CHECK HF EQUIPMENT

I0374, OPERATIONALLY CHECK UHF OR VHF EQUIPMENT

I0381, OPERATIONALLY CHECK SIDE-BAND EQUIPMENT

STANDARD:

IAW TCTO

PERFORMANCE RESOURCES:

TEST EQUIPMENT

SPECIALIZED TOOLS

COMMON HANDTOOLS

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

01

REVIEW TCTO

02

DETERMINE IF TCTO IS APPLICABLE TO YOUR EQUIPMENT

03
FORWARD LETTER TO MAINTENANCE SUPPORT STATING
NONAPPLICABILITY, IF NECESSARY

04
DETERMINE QUANTITY OF EQUIPMENT TO MODIFY/INSPECT

05
DETERMINE IF KITS/PARTS ARE REQUIRED

06
NOTIFY MAINTENANCE SUPPORT AS TO NUMBER OF KITS/PARTS
REQUIRED

07
START MDC/CAMS DOCUMENTATION

08
FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD

09
COORDINATE WITH PLANS AND SCHEDULING FOR EQUIPMENT DOWNTIME

10
OPEN JOB WITH JOB CONTROL

11
DETERMINE IF WORK REQUIRED SHOULD BE PERFORMED IN THE FIELD OR
ON THE WORKBENCH

12
REMOVE POWER FROM EQUIPMENT, IF NECESSARY

13
PERFORM MODIFICATION/INSPECTION IAW TCTO

14
SET UP TEST EQUIPMENT, IF NECESSARY

15
PERFORM OPERATIONAL CHECKOUT, VISUAL INSPECTION, POWER TURN
ON, OR PERFORMANCE TEST, AS OUTLINED IN TCTO SUPPLEMENTAL
INFORMATION

16
REMOVE TEST EQUIPMENT, IF APPLICABLE

17
RELEASE EQUIPMENT TO USER

18
RETURN EQUIPMENT AND SUPPLIES

19
FOLLOW DISPOSITION INSTRUCTIONS OF REMOVED AND REPLACED
PARTS/MATERIALS IAW TCTO

20
NOTIFY JOB CONTROL AND PLANS AND SCHEDULING OF TCTO
COMPLETION

21
UPDATE MDC

22

UPDATE HISTORICAL FILE

SUPPORTING SKILLS/KNOWLEDGE:

S USE TEST EQUIPMENT

S USE SPECIALIZED TOOLS

S USE COMMON HANDTOOLS

S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

K ANNOTATE LOGBOOK

K INTERPRET MEASUREMENTS

K INTERPRET TECHNICAL DATA

K ANNOTATE APPROPRIATE FORM(S)

K RECOGNIZE ELECTRICAL HAZARDS

K APPLY PROPER SAFETY PROCEDURES

K APPLY PROPER TECHNICAL ORDER (T.O.) DATA

K RECOGNIZE IMPORTANCE OF PROPER DISPOSAL OF HAZARDOUS WASTE

TASK ID:

I0387

TASK TITLE:

REMOVE OR REPLACE HF SYSTEM LRUS

PUBLICATIONS:

EQUIPMENT TECHNICAL ORDER (T.O.)
T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)
T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT
T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES
T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS
AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

PREREQUISITE TASK(S):

I0372, OPERATIONALLY CHECK HF EQUIPMENT

STANDARD:

IAW T.O.

PERFORMANCE RESOURCES:

CONDITION TAGS
COMMON HANDTOOLS
AFTO FORM 350, REPAIRABLE ITEM PROCESSING TAG
AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD
CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

01

REVIEW WORK ORDER

02

START MDC/CAMS DOCUMENTATION

03

COORDINATE RELEASE OF EQUIPMENT WITH USER

04

GATHER EQUIPMENT AND SUPPLIES

05

GATHER T.O.

06
FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD
07
DISCONNECT POWER TO SYSTEM/END ITEM
08
DISCONNECT ANY CABLES/CONNECTORS
09
REMOVE SYSTEM/END ITEM
10
REPLACE WITH LIKE END ITEM
11
CONNECT CABLES/CONNECTORS
12
APPLY POWER TO EQUIPMENT
13
PERFORM OPERATIONAL CHECK OF EQUIPMENT
14
RELEASE EQUIPMENT TO USER
15
RETURN EQUIPMENT AND SUPPLIES
16
RETURN FAULTY LRU TO WORKCENTER FOR REPAIR
17
TAG LRU
18
UPDATE MDC

SUPPORTING SKILLS/KNOWLEDGE:

S USE COMMON HANDTOOLS
S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER
K INTERPRET TECHNICAL DATA
K ANNOTATE APPROPRIATE FORM(S)
K RECOGNIZE ELECTRICAL HAZARDS
K APPLY PROPER SAFETY PROCEDURES

TASK ID:

I0389

TASK TITLE:

REMOVE OR REPLACE UHF OR VHF SYSTEM LRUS

PUBLICATIONS:

EQUIPMENT TECHNICAL ORDER (T.O.)

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

PREREQUISITE TASK(S):

I0374, OPERATIONALLY CHECK UHF OR VHF EQUIPMENT

STANDARD:

IAW T.O.

PERFORMANCE RESOURCES:

CONDITION TAGS

COMMON HANDTOOLS

AFTO FORM 350, REPAIRABLE ITEM PROCESSING TAG

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

01

REVIEW WORK ORDER

02

START MDC/CAMS DOCUMENTATION

03

COORDINATE RELEASE OF EQUIPMENT WITH USER

04

GATHER EQUIPMENT AND SUPPLIES

05

GATHER T.O.

06
FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD
07
DISCONNECT POWER TO SYSTEM/END ITEM
08
DISCONNECT ANY CABLES/CONNECTORS
09
REMOVE SYSTEM/END ITEM
10
REPLACE WITH LIKE END ITEM
11
CONNECT CABLES/CONNECTORS
12
APPLY POWER
13
PERFORM OPERATIONAL CHECK OF EQUIPMENT
14
RELEASE EQUIPMENT TO USER
15
RETURN EQUIPMENT AND SUPPLIES
16
RETURN FAULTY LRU TO WORKCENTER FOR REPAIR
17
TAG LRU
18
UPDATE MDC

SUPPORTING SKILLS/KNOWLEDGE:

S USE COMMON HANDTOOLS
S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER
K INTERPRET TECHNICAL DATA
K ANNOTATE APPROPRIATE FORM(S)
K RECOGNIZE ELECTRICAL HAZARDS
K APPLY PROPER SAFETY PROCEDURES

TASK ID:

I0397

TASK TITLE:

TEST STATION GROUNDS

PUBLICATIONS:

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT
T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES
T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS
AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS
T.O. 31-10-24, THEORY, PRINCIPLES AND PRACTICES OF GROUNDING
PROCEDURES LIGHTNING PROTECTION FOR C-E EQUIPMENT, FACILITIES
AND SYSTEMS
VIBROGROUND OPERATORS MANUAL
MAJCOM DIRECTIVES

TEAM TASK INFORMATION:

Y

STANDARD:

IAW T.O.

PERFORMANCE RESOURCES:

LOGBOOK
VIBROGROUND

SUBTASK ID/STATEMENT:

01
GATHER EQUIPMENT AND SUPPLIES
02
GATHER T.O
03
FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD
04
CONNECT VIBROGROUND IAW OPERATORS MANUAL
05
TURN ON VIBROGROUND
06
ENSURE PROPER METER READING IS ACHIEVED IAW OPERATOR MANUAL
07
DISCONNECT TEST VIBROGROUND

08

RETURN EQUIPMENT AND SUPPLIES

09

NOTIFY RESPONSIBLE AGENCY IF IMPROPER READING IS ACHIEVED

10

RECORD DISCREPANCIES IN BUILDING MANAGER'S LOGBOOK, IF
APPLICABLE

SUPPORTING SKILLS/KNOWLEDGE:

S USE VIBROGROUND

K ANNOTATE LOG BOOK(S)

K INTERPRET MEASUREMENTS

K INTERPRET TECHNICAL DATA

K RECOGNIZE ELECTRICAL HAZARDS

K APPLY PROPER SAFETY PROCEDURES

TASK ID:

I0398

TASK TITLE:

VISUALLY INSPECT STATION GROUNDS

PUBLICATIONS:

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEM

T.O. 31-10-24, THEORY, PRINCIPLES AND PRACTICES OF GROUNDING
PROCEDURES LIGHTNING PROTECTION FOR C-E EQUIPMENT, FACILITIES,
AND SYSTEMS

TEAM TASK INFORMATION:

Y

STANDARD:

IAW T.O.

PERFORMANCE RESOURCES:

GREASE

OHMMETER

WIRE BRUSH

COMMON HANDTOOLS

PERSONAL PROTECTIVE EQUIPMENT/CLOTHING

SUBTASK ID/STATEMENT:

01

GATHER EQUIPMENT AND SUPPLIES

02

GATHER T.O.

03

FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD

04

INSPECT GROUND FOR CORROSION

05

DON PERSONAL PROTECTIVE EQUIPMENT/CLOTHING

06

REMOVE CORROSION, IF NECESSARY

07

GREASE CONNECTION, IF NECESSARY

08

INSPECT GROUND FOR TIGHTNESS OF CONNECTION

09

SECURE CONNECTION, IF NECESSARY

10

DOFF PERSONAL PROTECTIVE EQUIPMENT/CLOTHING

11

PERFORM RESISTANCE CHECK

12

RETURN EQUIPMENT AND SUPPLIES

SUPPORTING SKILLS/KNOWLEDGE:

S USE OHMMETER

S USE COMMON HANDTOOLS

S USE PERSONAL PROTECTIVE EQUIPMENT/CLOTHING

K INTERPRET MEASUREMENTS

K INTERPRET TECHNICAL DATA

K RECOGNIZE CHEMICAL HAZARDS

K ANNOTATE APPROPRIATE FORM(S)

K RECOGNIZE ELECTRICAL HAZARDS

K APPLY PROPER SAFETY PROCEDURES

K RECALL PROCEDURES RELATED TO CORROSION CONTROL AND
PREVENTION

TASK ID:

J0399

TASK TITLE:

ADJUST ANTENNA SYSTEM GUY WIRES OR ELEMENTS

PUBLICATIONS:

ANTENNA T.O.

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

STANDARD:

LAW T.O.

PERFORMANCE RESOURCES:

COMMON HANDTOOLS

PERSONAL PROTECTIVE EQUIPMENT/CLOTHING

SUBTASK ID/STATEMENT:

01

GATHER EQUIPMENT AND SUPPLIES

02

GATHER T.O.

03

FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD

04

DON PERSONAL PROTECTIVE EQUIPMENT/CLOTHING

05

ADJUST GUY WIRES/ELEMENTS TO T.O. SPECIFICATIONS

06

DOFF PERSONAL PROTECTIVE EQUIPMENT/CLOTHING

07

RETURN EQUIPMENT AND SUPPLIES

SUPPORTING SKILLS/KNOWLEDGE:

S USE COMMON HANDTOOLS

S USE PERSONAL PROTECTIVE EQUIPMENT/CLOTHING

K APPLY PROPER SAFETY PROCEDURES

K APPLY PROPER TECHNICAL ORDER (T.O.) DATA

TASK ID:

J0402

TASK TITLE:

ALIGN ATC TOWER LIGHT GUNS

PUBLICATIONS:

EQUIPMENT TECHNICAL ORDER (T.O.)

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

STANDARD:

IAW T.O.

PERFORMANCE RESOURCES:

AFTO FORM 350, REPAIRABLE ITEM PROCESSING TAG

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

01

REVIEW WORK ORDER

02

START MDC/CAMS DOCUMENTATION

03

GATHER EQUIPMENT AND SUPPLIES

04

GATHER T.O.

05

FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD

06

PERFORM ALIGNMENT PROCEDURES IAW T.O.

07

RETURN EQUIPMENT AND SUPPLIES

08

UPDATE MDC

SUPPORTING SKILLS/KNOWLEDGE:

S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

K INTERPRET TECHNICAL DATA

K ANNOTATE APPROPRIATE FORM(S)

K RECOGNIZE ELECTRICAL HAZARDS

K APPLY PROPER SAFETY PROCEDURES

TASK ID:

J0404

TASK TITLE:

ALIGN OR ADJUST BATTERY BACKUP SYSTEMS

PUBLICATIONS:

EQUIPMENT TECHNICAL ORDER (T.O.)

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

STANDARD:

IAW T.O.

PERFORMANCE RESOURCES:

TEST EQUIPMENT

COMMON HANDTOOLS

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

01

REVIEW WORK ORDER

02

START MDC/CAMS DOCUMENTATION

03

GATHER EQUIPMENT AND SUPPLIES

04

GATHER T.O.

05

FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD

06

PERFORM ALIGNMENT PROCEDURES IAW T.O.

07

RETURN EQUIPMENT AND SUPPLIES

08

UPDATE MDC

SUPPORTING SKILLS/KNOWLEDGE:

S USE TEST EQUIPMENT

S USE COMMON HANDTOOLS

S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

K INTERPRET MEASUREMENTS

K INTERPRET TECHNICAL DATA

K RECOGNIZE CHEMICAL HAZARDS

K ANNOTATE APPROPRIATE FORM(S)

K RECOGNIZE ELECTRICAL HAZARDS

K APPLY PROPER SAFETY PROCEDURES

TASK ID:

J0406

TASK TITLE:

ALIGN OR ADJUST COMMUNICATIONS CONSOLES

PUBLICATIONS:

EQUIPMENT TECHNICAL ORDER (T.O.)

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

PREREQUISITE TASK(S):

J0453, OPERATIONALLY CHECK COMMUNICATIONS CONSOLES

STANDARD:

IAW T.O.

PERFORMANCE RESOURCES:

TEST EQUIPMENT

COMMON HANDTOOLS

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

01

REVIEW WORK ORDER

02

START MDC/CAMS DOCUMENTATION

03

COORDINATE RELEASE OF EQUIPMENT WITH USER

04

GATHER EQUIPMENT AND SUPPLIES

05

GATHER T.O.

06

FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD

07

SET-UP TEST EQUIPMENT

08

ADJUST TEST EQUIPMENT LEVELS/PARAMETERS

09

PERFORM ALIGNMENT PROCEDURES IAW T.O.

10

PERFORM TROUBLESHOOTING PROCEDURES ON LRUS THAT DON'T
CONFORM TO T.O. SPECIFICATIONS

11

PERFORM OPERATIONAL CHECK

12

RETURN EQUIPMENT AND SUPPLIES

13

UPDATE MDC

SUPPORTING SKILLS/KNOWLEDGE:

S USE COMPUTER

S USE TEST EQUIPMENT

S USE COMMON HANDTOOLS

K INTERPRET MEASUREMENTS

K INTERPRET TECHNICAL DATA

K RECOGNIZE ELECTRICAL HAZARDS

K ANNOTATE APPROPRIATE FORM(S)

K APPLY PROPER SAFETY PROCEDURES

TASK ID:

J0411

TASK TITLE:

ALIGN OR ADJUST RECORDER-REPRODUCERS

PUBLICATIONS:

EQUIPMENT TECHNICAL ORDER (T.O.)

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

PREREQUISITE TASK(S):

J0465, OPERATIONALLY CHECK RECORDER-REPRODUCERS

STANDARD:

IAW T.O.

PERFORMANCE RESOURCES:

COTTON SWABS

TEST EQUIPMENT

LINT-FREE CLOTH

HEAD DEGAUSSER

COMMON HANDTOOLS

DENATURED ALCOHOL

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

01

REVIEW WORK ORDER

02

START MDC/CAMS DOCUMENTATION

03

COORDINATE RELEASE OF EQUIPMENT WITH USER

04
GATHER EQUIPMENT AND SUPPLIES
05
GATHER T.O.
06
FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD
07
TURN OFF AND/OR DISCONNECT POWER FROM EQUIPMENT
08
CLEAN RECORDER-REPRODUCER HEADS
09
DEGAUSS RECORDER-REPRODUCER HEADS
10
ACCESS EQUIPMENT NEEDING ALIGNMENT
11
SET UP TEST EQUIPMENT, IF NECESSARY
12
PERFORM ALIGNMENT/ADJUSTMENT PROCEDURES IAW T.O.
13
REMOVE TEST EQUIPMENT, IF APPLICABLE
14
APPLY POWER TO EQUIPMENT
15
PERFORM OPERATIONAL CHECK
16
RETURN EQUIPMENT AND SUPPLIES
17
UPDATE MDC

SUPPORTING SKILLS/KNOWLEDGE:

S USE TEST EQUIPMENT
S USE COMMON HANDTOOLS
S CLEAN AND DEGAUSS RECORDER-REPRODUCER HEADS
S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER
K INTERPRET MEASUREMENTS
K INTERPRET TECHNICAL DATA
K ANNOTATE APPROPRIATE FORM(S)
K RECOGNIZE ELECTRICAL HAZARDS
K APPLY PROPER SAFETY PROCEDURES

TASK ID:

J0414

TASK TITLE:

ISOLATE MALFUNCTIONS TO LAND LINES

PUBLICATIONS:

APPLICABLE T.O.

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

STANDARD:

IAW T.O.

PERFORMANCE RESOURCES:

TEST EQUIPMENT

COMMON HANDTOOLS

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

01

REVIEW WORK ORDER

02

START MDC/CAMS DOCUMENTATION

03

COORDINATE RELEASE OF EQUIPMENT WITH USER

04

GATHER EQUIPMENT AND SUPPLIES

05

GATHER T.O.

06

FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD

07

DISCONNECT EQUIPMENT FROM LANDLINE

08

CONNECT TEST EQUIPMENT TO SUSPECTED FAULTY EQUIPMENT

09

VERIFY TEST EQUIPMENT READINGS IAW T.O.

10

ASSESS MALFUNCTION TO EITHER LAND LINE OR EQUIPMENT

11

RETURN EQUIPMENT AND SUPPLIES

12

UPDATE MDC

SUPPORTING SKILLS/KNOWLEDGE:

S USE TEST EQUIPMENT

S USE COMMON HANDTOOLS

S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

K INTERPRET MEASUREMENTS

K INTERPRET TECHNICAL DATA

K ANNOTATE APPROPRIATE FORM(S)

K APPLY PROPER SAFETY PROCEDURES

K RECALL TROUBLESHOOTING PROCEDURES

TASK ID:

J0416

TASK TITLE:

ISOLATE MALFUNCTIONS WITHIN ATC TOWER LIGHT GUNS

PUBLICATIONS:

EQUIPMENT TECHNICAL ORDER (T.O.)

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

PREREQUISITE TASK(S):

J0445, OPERATIONALLY CHECK ATC TOWER LIGHT GUNS

STANDARD:

IAW T.O.

PERFORMANCE RESOURCES:

TEST EQUIPMENT

COMMON HANDTOOLS

AFTO FORM 350, REPAIRABLE ITEM PROCESSING TAG

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

01

REVIEW WORK ORDER

02

START MDC/CAMS DOCUMENTATION

03

GATHER EQUIPMENT AND SUPPLIES

04

GATHER T.O.

05

FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD

06

SET UP TEST EQUIPMENT, IF NEEDED

07

PERFORM TROUBLESHOOTING PROCEDURES TO ISOLATE MALFUNCTION

08

DISCONNECT TEST EQUIPMENT, IF APPLICABLE

09

RETURN EQUIPMENT AND SUPPLIES

10

UPDATE MDC

SUPPORTING SKILLS/KNOWLEDGE:

S USE TEST EQUIPMENT

S USE COMMON HANDTOOLS

S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

K INTERPRET MEASUREMENTS

K INTERPRET TECHNICAL DATA

K ANNOTATE APPROPRIATE FORM(S)

K RECOGNIZE ELECTRICAL HAZARDS

K APPLY PROPER SAFETY PROCEDURES

K RECALL TROUBLESHOOTING PROCEDURES

TASK ID:

J0426

TASK TITLE:

ISOLATE MALFUNCTIONS WITHIN COMMUNICATIONS CONSOLES TO LRUS

PUBLICATIONS:

EQUIPMENT TECHNICAL ORDER (T.O.)

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

PREREQUISITE TASK(S):

J0453, OPERATIONALLY CHECK COMMUNICATIONS CONSOLES

STANDARD:

IAW T.O.

PERFORMANCE RESOURCES:

TEST EQUIPMENT

COMMON HANDTOOLS

AFTO FORM 350, REPAIRABLE ITEM PROCESSING TAG

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

01

REVIEW WORK ORDER

02

START MDC/CAMS DOCUMENTATION

03

GATHER EQUIPMENT AND SUPPLIES

04

GATHER T.O.

- 05
FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD
- 06
COORDINATE RELEASE OF EQUIPMENT WITH USER
- 07
PERFORM OPERATIONAL CHECK
- 08
VERIFY INDICATIONS IAW T.O.
- 09
SET UP TEST EQUIPMENT, IF NECESSARY
- 10
PERFORM TROUBLESHOOTING PROCEDURES TO ISOLATE MALFUNCTION
- 11
REMOVE TEST EQUIPMENT, IF APPLICABLE
- 12
RETURN EQUIPMENT AND SUPPLIES
- 13
UPDATE MDC

SUPPORTING SKILLS/KNOWLEDGE:

- S USE HANDTOOLS
- S USE TEST EQUIPMENT
- S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER
- K INTERPRET MEASUREMENTS
- K INTERPRET TECHNICAL DATA
- K ANNOTATE APPROPRIATE FORM(S)
- K RECOGNIZE ELECTRICAL HAZARDS
- K APPLY PROPER SAFETY PROCEDURES
- K RECALL TROUBLESHOOTING PROCEDURES

TASK ID:

J0427

TASK TITLE:

ISOLATE MALFUNCTIONS WITHIN COMMUNICATIONS PATCH PANELS

PUBLICATIONS:

EQUIPMENT TECHNICAL ORDER (T.O.)

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

STANDARD:

IAW T.O.

PERFORMANCE RESOURCES:

TEST EQUIPMENT

COMMON HANDTOOLS

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

01

REVIEW WORK ORDER

02

START MDC/CAMS DOCUMENTATION

03

GATHER EQUIPMENT AND SUPPLIES

04

GATHER T.O.

05

FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD

06

NOTIFY USER OF MAINTENANCE IN PROGRESS

07
LOCATE FAULTY CHANNEL ON PATCH BAY

08
CONNECT SPEAKER/TELEPHONE TEST SET AT EQUIPMENT OR LINE JACK

09
DETERMINE AUDIO SIGNAL PRESENCE

10
VERIFY INPUT TO PATCH PANEL (USE EQUIPMENT JACK FOR RECEIVER PROBLEM)

11
VERIFY INPUT TO PATCH PANEL (USE LINE JACK FOR TRANSMIT PROBLEM)

12
INSPECT FOR CORROSION/TARNISHED CONTACTS IF NO SIGNAL IS PRESENT

13
CLEAN CONTACTS IAW T.O., IF NECESSARY

14
INSPECT REAR OF PATCH BAY FOR BROKEN/FRAYED WIRE AND/OR BENT CONTACTS, IF NO SIGNAL IS PRESENT

15
REPAIR WIRES/CONTACTS, IF NECESSARY

16
DETERMINE IF OUTPUT IS PRESENT AT LINE JACK FOR RECEIVE PROBLEM

17
DETERMINE IF OUTPUT IS PRESENT AT EQUIPMENT JACK FOR TRANSMIT PROBLEM

18
INSPECT FOR CORROSION/TARNISHED CONTACTS IF NO SIGNAL IS PRESENT

19
CLEAN CONTACTS IAW T.O., IF NECESSARY

20
INSPECT REAR OF PATCH BAY FOR BROKEN/FRAYED WIRE AND/OR BENT CONTACTS, IF NO SIGNAL IS PRESENT

21
REPAIR WIRES/CONTACTS, IF NECESSARY

22
PERFORM OPERATIONAL CHECK

23
RELEASE EQUIPMENT TO USER

24
UPDATE MDC

SUPPORTING SKILLS/KNOWLEDGE:

S USE TEST EQUIPMENT

S USE COMMON HANDTOOLS

S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

K INTERPRET TECHNICAL DATA

K ANNOTATE APPROPRIATE FORM(S)

K APPLY PROPER SAFETY PROCEDURES

K RECALL PROCEDURES RELATED TO CORROSION CONTROL AND
PREVENTION

TASK ID:

J0437

TASK TITLE:

ISOLATE MALFUNCTIONS WITHIN RECORDER-REPRODUCERS TO LRUS

PUBLICATIONS:

EQUIPMENT TECHNICAL ORDER (T.O.)

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

PREREQUISITE TASK(S):

J0465, OPERATIONALLY CHECK RECORDER-REPRODUCERS

STANDARD:

IAW T.O.

PERFORMANCE RESOURCES:

TEST EQUIPMENT

COMMON HANDTOOLS

AFTO FORM 350, REPAIRABLE ITEM PROCESSING TAG

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

01

REVIEW WORK ORDER

02

START MDC/CAMS DOCUMENTATION

03

COORDINATE RELEASE OF EQUIPMENT WITH USER

04

GATHER EQUIPMENT AND SUPPLIES

05
GATHER T.O.
06
FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD
07
PERFORM OPERATIONAL CHECK OF EQUIPMENT TO VERIFY
MALFUNCTION
08
SET UP TEST EQUIPMENT, IF NECESSARY
09
PERFORM TROUBLESHOOTING PROCEDURES TO ISOLATE MALFUNCTION
10
DISCONNECT TEST EQUIPMENT
11
RETURN EQUIPMENT AND SUPPLIES
12
UPDATE MDC

SUPPORTING SKILLS/KNOWLEDGE:

S USE TEST EQUIPMENT
S USE COMMON HANDTOOLS
S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER
K INTERPRET MEASUREMENTS
K INTERPRET TECHNICAL DATA
K RECOGNIZE CHEMICAL HAZARDS
K ANNOTATE APPROPRIATE FORM(S)
K RECOGNIZE ELECTRICAL HAZARDS
K APPLY PROPER SAFETY PROCEDURES
K RECALL TROUBLESHOOTING PROCEDURES

TASK ID:

J0445

TASK TITLE:

OPERATIONALLY CHECK ATC TOWER LIGHT GUNS

PUBLICATIONS:

EQUIPMENT TECHNICAL ORDER (T.O.)

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

STANDARD:

IAW T.O.

PERFORMANCE RESOURCES:

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

01

REVIEW WORK ORDER

02

START MDC/CAMS DOCUMENTATION

03

GATHER EQUIPMENT AND SUPPLIES

04

GATHER T.O.

05

FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD

06

SUPPLY POWER, IF NEEDED

07

CHECK GUN FOR TRANSMISSION OF RED, WHITE, AND GREEN SIGNALS

08

CHECK SWITCH AND COLOR SELECT HANDLE FOR PROPER OPERATION

09

INSPECT FRONT AND REAR SIGHT FOR PROPER OPERATION

10

INITIATE WORK ORDER, IF NECESSARY

11

RETURN EQUIPMENT AND SUPPLIES

12

UPDATE MDC

SUPPORTING SKILLS/KNOWLEDGE:

S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

K INTERPRET TECHNICAL DATA

K ANNOTATE APPROPRIATE FORM(S)

K APPLY PROPER SAFETY PROCEDURES

TASK ID:

J0449

TASK TITLE:

OPERATIONALLY CHECK BACKUP POWER SUPPLIES

PUBLICATIONS:

EQUIPMENT TECHNICAL ORDER (T.O.)

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

STANDARD:

IAW T.O.

PERFORMANCE RESOURCES:

TEST EQUIPMENT

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

01

START MDC/CAMS DOCUMENTATION

02

GATHER EQUIPMENT AND SUPPLIES

03

GATHER T.O.

04

FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD

05

NOTIFY USER THAT TEST IS IN PROGRESS

06

REMOVE COMMERCIAL POWER

07
OBSERVE THAT BACKUP POWER SUPPLY AUTOMATICALLY SWITCHES ON
LINE
08
ENSURE EQUIPMENT IS RECEIVING POWER FROM BACKUP POWER SUPPLY
09
CONNECT TEST EQUIPMENT TO MEASURE POWER SUPPLY OUTPUT, IF
REQUIRED
10
CONFIRM PROPER READINGS IAW T.O.
11
ENSURE POWER SUPPLY MAINTAINS REQUIRED VOLTAGE FOR ALLOTTED
TIME IAW T.O.
12
INITIATE WORK ORDER, IF NECESSARY
13
DISCONNECT TEST EQUIPMENT, IF APPLICABLE
14
TURN ON COMMERCIAL POWER
15
NOTIFY USER OF TEST COMPLETION
16
RETURN EQUIPMENT AND SUPPLIES
17
UPDATE MDC

SUPPORTING SKILLS/KNOWLEDGE:

S USE TEST EQUIPMENT
S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER
K INTERPRET MEASUREMENTS
K INTERPRET TECHNICAL DATA
K RECOGNIZE CHEMICAL HAZARDS
K ANNOTATE APPROPRIATE FORM(S)
K RECOGNIZE ELECTRICAL HAZARDS

TASK ID:

J0450

TASK TITLE:

OPERATIONALLY CHECK BATTERY CHARGERS

PUBLICATIONS:

EQUIPMENT TECHNICAL ORDER (T.O.)

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

STANDARD:

IAW T.O.

PERFORMANCE RESOURCES:

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

01

START MDC/CAMS DOCUMENTATION

02

GATHER EQUIPMENT AND SUPPLIES

03

GATHER T.O.

04

FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD

05

VERIFY INDICATIONS IAW T.O.

06

IDENTIFY BATTERY CHARGER MALFUNCTIONS, IF APPLICABLE

07

INITIATE WORK ORDER, IF NECESSARY

08

COORDINATE WITH USER FOR NEED OF REPLACEMENT EQUIPMENT, IF NECESSARY

09

RETURN EQUIPMENT AND SUPPLIES

10

UPDATE MDC

SUPPORTING SKILLS/KNOWLEDGE:

S USE COMMON HANDTOOLS

S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

K INTERPRET TECHNICAL DATA

K RECOGNIZE CHEMICAL HAZARDS

K ANNOTATE APPROPRIATE FORM(S)

K RECOGNIZE ELECTRICAL HAZARDS

K APPLY PROPER SAFETY PROCEDURES

TASK ID:

J0453

TASK TITLE:

OPERATIONALLY CHECK COMMUNICATIONS CONSOLES

PUBLICATIONS:

EQUIPMENT TECHNICAL ORDER (T.O.)

LOCAL OPERATING PROCEDURES

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

STANDARD:

IAW T.O./LOCAL OPERATING PROCEDURES

PERFORMANCE RESOURCES:

TEST EQUIPMENT

COMMON HANDTOOLS

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

01

START MDC/CAMS DOCUMENTATION

02

COORDINATE RELEASE OF EQUIPMENT WITH USER

03

GATHER EQUIPMENT AND SUPPLIES

04

GATHER T.O.

05

FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD

06

PERFORM OPERATIONAL CHECKOUT IAW T.O./LOCAL OPERATING PROCEDURES

07

VERIFY NORMAL OPERATION OF SYSTEM

08

INITIATE WORK ORDER, IF NECESSARY

09

RETURN EQUIPMENT AND SUPPLIES

11

UPDATE MDC

SUPPORTING SKILLS/KNOWLEDGE:

S USE TEST EQUIPMENT

S USE COMMON HANDTOOLS

S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTERS

K INTERPRET MEASUREMENTS

K INTERPRET TECHNICAL DATA

K ANNOTATE APPROPRIATE FORM(S)

K APPLY PROPER SAFETY PROCEDURES

TASK ID:

J0462

TASK TITLE:

OPERATIONALLY CHECK LAND LINES

PUBLICATIONS:

EQUIPMENT TECHNICAL ORDER (T.O.)

LOCAL OPERATING PROCEDURES

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

PREREQUISITE TASK(S):

J0499, TEST LAND LINES

STANDARD:

IAW T.O./LOCAL OPERATING PROCEDURES

PERFORMANCE RESOURCES:

OSCILLATOR

DECIBEL (DB) METER

TELEPHONE TEST SET

IMPEDENCE MATCHING DEVICE

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

01

REVIEW WORK ORDER

02

START MDC/CAMS DOCUMENTATION

03

GATHER EQUIPMENT AND SUPPLIES

04

GATHER T.O.

05
FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD
06
OBTAIN PERMISSION FROM USER TO REMOVE CIRCUIT FROM OPERATION
07
CONNECT IMPEDENCE MATCHING DEVICE, IF NECESSARY
08
CONNECT DB METER/TELEPHONE TEST SET TO RECEIVING END OF LAND
LINE
09
CONNECT OSCILLATOR TO SENDING END OF LAND LINE
10
VERIFY LAND LINE MEETS STANDARDS IAW T.O./LOCAL OPERATING
PROCEDURES
11
INITIATE WORK ORDER, IF NECESSARY
12
DISCONNECT TEST EQUIPMENT
13
RETURN CIRCUIT TO USER
14
RETURN EQUIPMENT AND SUPPLIES
15
UPDATE MDC

SUPPORTING SKILLS/KNOWLEDGE:

S USE TEST EQUIPMENT
S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER
K INTERPRET MEASUREMENTS
K ANNOTATE APPROPRIATE FORMS
K APPLY PROPER SAFETY PROCEDURES
K APPLY PROPER TECHNICAL ORDER (T.O.) DATA

TASK ID:

J0465

TASK TITLE:

OPERATIONALLY CHECK RECORDER-REPRODUCERS

PUBLICATIONS:

EQUIPMENT TECHNICAL ORDER (T.O.)

LOCAL OPERATING PROCEDURES

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

STANDARD:

IAW T.O./LOCAL OPERATING PROCEDURES

PERFORMANCE RESOURCES:

COTTON SWABS

LINT-FREE CLOTH

HEAD DEGAUSSER

DENATURED ALCOHOL

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

01

START MDC/CAMS DOCUMENTATION

02

GATHER EQUIPMENT AND SUPPLIES

03

GATHER T.O.

04

FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD

05

COORDINATE RELEASE OF EQUIPMENT WITH USER

06

CLEAN RECORDER-REPRODUCER HEADS

07

DEGAUSS RECORDER-REPRODUCER HEADS

08

VERIFY PROPER OPERATION OF CONTROLS AND INDICATORS

09

PERFORM START UP AND CHECK OUT PROCEDURES IAW T.O.

10

INITIATE WORK ORDER, IF NECESSARY

11

RETURN EQUIPMENT AND SUPPLIES

12

UPDATE MDC

SUPPORTING SKILLS/KNOWLEDGE:

S CLEAN AND DEGAUSS RECORDER-REPRODUCER HEADS

S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

K INTERPRET TECHNICAL DATA

K RECOGNIZE CHEMICAL HAZARDS

K ANNOTATE APPROPRIATE FORM(S)

K RECOGNIZE ELECTRICAL HAZARDS

K APPLY PROPER SAFETY PRECAUTIONS

K INTERPRET INDICATIONS ON RECORDER-REPRODUCER

TASK ID:

J0472

TASK TITLE:

REMOVE OR REPLACE ATC TOWER LIGHT GUNS

PUBLICATIONS:

EQUIPMENT TECHNICAL ORDER (T.O.)

LOCAL OPERATING PROCEDURES

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

PREREQUISITE TASK(S):

J0445, OPERATIONALLY CHECK ATC TOWER LIGHT GUNS

J0402, ALIGN ATC TOWER LIGHT GUNS

STANDARD:

IAW T.O./LOCAL OPERATING PROCEDURES

PERFORMANCE RESOURCES:

CONDITION TAGS

AFTO FORM 350, REPAIRABLE ITEM PROCESSING TAG

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

01

START MDC CAMS/DOCUMENTATION

02

GATHER EQUIPMENT AND SUPPLIES

03

GATHER T.O.

04

FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD

05

REMOVE LIGHT GUN IAW T.O./LOCAL PROCEDURES

06

TAG LIGHT GUN, AS APPROPRIATE

07

INSTALL REPLACEMENT LIGHT GUN IAW T.O./LOCAL OPERATING
PROCEDURES

08

PERFORM OPERATIONAL CHECK OF LIGHT GUN

09

UPDATE MDC

SUPPORTING SKILLS/KNOWLEDGE:

S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

K ANNOTATE APPROPRIATE FORM(S)

K RECOGNIZE ELECTRICAL HAZARDS

K APPLY PROPER SAFETY PROCEDURES

TASK ID:

J0482

TASK TITLE:

REMOVE OR REPLACE COMMUNICATIONS CONSOLE LRUS

PUBLICATIONS:

EQUIPMENT TECHNICAL ORDER (T.O.)

LOCAL OPERATING PROCEDURES

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

PREREQUISITE TASK(S):

J0406, ALIGN OR ADJUST COMMUNICATIONS CONSOLES

J0453, OPERATIONALLY CHECK COMMUNICATIONS CONSOLES

STANDARD:

IAW T.O.

PERFORMANCE RESOURCES:

CONDITION TAGS

COMMON HANDTOOLS

AFTO FORM 350, REPAIRABLE ITEM PROCESSING TAG

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

01

START MDC/CAMS DOCUMENTATION

02

GATHER EQUIPMENT AND SUPPLIES

03

GATHER T.O.

04
FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD
05
COORDINATE RELEASE OF EQUIPMENT WITH USER
06
REMOVE FAULTY LRU FROM CONSOLE
07
TAG END ITEM AND FAULTY LRU, AS APPROPRIATE
08
INSTALL OPERABLE LRU IN CONSOLE
09
PERFORM ALIGNMENT PROCEDURES, AS NECESSARY
10
PERFORM OPERATIONAL CHECK OF EQUIPMENT
11
RELEASE EQUIPMENT TO USER
12
RETURN EQUIPMENT AND SUPPLIES
13
UPDATE MDC

SUPPORTING SKILLS/KNOWLEDGE:

S USE COMMON HANDTOOLS

S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

K INTERPRET TECHNICAL DATA

K ANNOTATE APPROPRIATE FORM(S)

K RECOGNIZE ELECTRICAL HAZARDS

K APPLY PROPER SAFETY PROCEDURES

TASK ID:

J0493

TASK TITLE:

REMOVE OR REPLACE RECORDER-REPRODUCER LRUS

PUBLICATIONS:

EQUIPMENT TECHNICAL ORDER (T.O.)

LOCAL OPERATING PROCEDURES

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

PREREQUISITE TASK(S):

J0465, OPERATIONALLY CHECK RECORDER-REPRODUCERS

J0411, ALIGN OR ADJUST RECORDER-REPRODUCERS

STANDARD:

IAW T.O.

PERFORMANCE RESOURCES:

CONDITION TAGS

COMMON HANDTOOLS

AFTO FORM 350, REPAIRABLE ITEM PROCESSING TAG

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

01

START MDC/CAMS DOCUMENTATION

02

GATHER EQUIPMENT AND SUPPLIES

03

GATHER T.O.

04
FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD
05
COORDINATE RELEASE OF EQUIPMENT WITH USER
06
REMOVE FAULTY LRU
07
TAG END ITEM AND LRU, AS APPROPRIATE
08
REPLACE WITH SERVICEABLE LRU
09
PERFORM ALIGNMENT PROCEDURES IF NECESSARY
10
PERFORM OPERATIONAL CHECK OF EQUIPMENT
11
RELEASE EQUIPMENT TO USER
12
RETURN EQUIPMENT AND SUPPLIES
13
UPDATE MDC

SUPPORTING SKILLS/KNOWLEDGE:

S USE TEST EQUIPMENT
S USE COMMON HANDTOOLS
S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER
K INTERPRET TECHNICAL DATA
K ANNOTATE APPROPRIATE FORM(S)
K RECOGNIZE ELECTRICAL HAZARDS
K APPLY PROPER SAFETY PROCEDURES

TASK ID:

J0499

TASK TITLE:

TEST LAND LINES

PUBLICATIONS:

EQUIPMENT TECHNICAL ORDER (T.O.)

LOCAL OPERATING PROCEDURES

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

PREREQUISITE TASK(S):

J0462, OPERATIONALLY CHECK LAND LINES

STANDARD:

IAW T.O./LOCAL OPERATING PROCEDURES

PERFORMANCE RESOURCES:

OSCILLATOR

TEST EQUIPMENT

DECIBEL (DB)METER

TELEPHONE TEST SET

IMPEDENCE MATCHING DEVICE

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

01

REVIEW WORK ORDER

02

START MDC/CAMS DOCUMENTATION

03

GATHER EQUIPMENT AND SUPPLIES

04
GATHER T.O.
05
FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD
06
OBTAIN PERMISSION FROM USER TO REMOVE CIRCUIT FROM OPERATION
07
CONNECT IMPEDENCE MATCHING DEVICE, IF NECESSARY
08
CONNECT DB METER/TELEPHONE TEST SET TO RECEIVING END OF LAND
LINE
09
CONNECT OSCILLATOR TO SENDING END OF LAND LINE
10
VERIFY LAND LINE MEETS STANDARDS IAW T.O./LOCAL OPERATING
PROCEDURES
11
INITIATE WORK ORDER, IF NECESSARY
12
DISCONNECT TEST EQUIPMENT
13
RETURN CIRCUIT TO USER
14
RETURN EQUIPMENT AND SUPPLIES
15
UPDATE MDC

SUPPORTING SKILLS/KNOWLEDGE:

S USE TEST EQUIPMENT

S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

K INTERPRET MEASUREMENTS

K ANNOTATE APPROPRIATE FORM(S)

K APPLY PROPER SAFETY PROCEDURES

K APPLY PROPER TECHNICAL ORDER (T.O.) DATA

TASK ID:

K0504

TASK TITLE:

ALIGN FM EQUIPMENT OR SUBASSEMBLIES

PUBLICATIONS:

EQUIPMENT TECHNICAL ORDER (T.O.)

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

PREREQUISITE TASKS(S):

I0371, OPERATIONALLY CHECK FM EQUIPMENT

STANDARD:

IAW T.O.

PERFORMANCE RESOURCES:

TEST EQUIPMENT

COMMON HANDTOOLS

AFTO FORM 350, REPAIRABLE ITEM PROCESSING TAG

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

01

START MDC/CAMS DOCUMENTATION

02

COORDINATE RELEASE OF EQUIPMENT WITH USER

03

GATHER EQUIPMENT AND SUPPLIES

04
GATHER T.O.
05
FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD
06
TURN OFF AND/OR DISCONNECT POWER, IF NECESSARY
07
REMOVE APPROPRIATE COVERS, IF APPLICABLE
08
SET-UP TEST EQUIPMENT, IF NEEDED
09
ADJUST INITIAL TEST EQUIPMENT LEVELS/PARAMETERS
10
PERFORM ALIGNMENT PROCEDURES IAW T.O.
11
TROUBLESHOOT CARDS/MODULES THAT DO NOT CONFORM TO T.O.
SPECIFICATIONS
12
REMOVE TEST EQUIPMENT, IF APPLICABLE
13
REPLACE APPROPRIATE COVERS, IF NECESSARY
14
APPLY POWER TO EQUIPMENT, IF APPLICABLE
15
COORDINATE WITH USER TO PERFORM OPERATIONAL CHECK OF
EQUIPMENT
16
RETURN EQUIPMENT AND SUPPLIES
17
UPDATE MDC

SUPPORTING SKILLS/KNOWLEDGE:

S USE TEST EQUIPMENT
S USE COMMON HANDTOOLS
S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER
K INTERPRET MEASUREMENTS
K INTERPRET TECHNICAL DATA
K ANNOTATE APPROPRIATE FORMS
K RECOGNIZE ELECTRICAL HAZARDS
K APPLY PROPER SAFETY PROCEDURES
K RECALL TROUBLESHOOTING PROCEDURES

TASK ID:

K0505

TASK TITLE:

ALIGN HF EQUIPMENT OR SUBASSEMBLIES

PUBLICATIONS:

EQUIPMENT TECHNICAL ORDER (T.O.)

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

PREREQUISITE TASKS(S):

I0372, OPERATIONALLY CHECK HF EQUIPMENT

STANDARD:

IAW T.O.

PERFORMANCE RESOURCES:

TEST EQUIPMENT

COMMON HANDTOOLS

AFTO FORM 350, REPAIRABLE ITEM PROCESSING TAG

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

01

START MDC/CAMS DOCUMENTATION

02

COORDINATE RELEASE OF EQUIPMENT WITH USER

03

GATHER EQUIPMENT AND SUPPLIES

04

GATHER T.O.

05
FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD
06
TURN OFF AND/OR DISCONNECT POWER, IF NECESSARY
07
REMOVE APPROPRIATE COVERS, IF APPLICABLE
08
SET-UP TEST EQUIPMENT, IF NEEDED
09
ADJUST INITIAL TEST EQUIPMENT LEVELS/PARAMETERS
10
PERFORM ALIGNMENT PROCEDURES IAW T.O.
11
TROUBLESHOOT CARDS/MODULES THAT DO NOT CONFORM TO T.O.
SPECIFICATIONS
12
REMOVE TEST EQUIPMENT, IF APPLICABLE
13
REPLACE APPROPRIATE COVERS, IF NECESSARY
14
APPLY POWER TO EQUIPMENT, IF APPLICABLE
15
COORDINATE WITH USER TO PERFORM OPERATIONAL CHECK OF
EQUIPMENT
16
RETURN EQUIPMENT AND SUPPLIES
17
UPDATE MDC

SUPPORTING SKILLS/KNOWLEDGE:

S USE TEST EQUIPMENT
S USE COMMON HANDTOOLS
S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER
K INTERPRET MEASUREMENTS
K INTERPRET TECHNICAL DATA
K ANNOTATE APPROPRIATE FORM(S)
K RECOGNIZE ELECTRICAL HAZARDS
K APPLY PROPER SAFETY PROCEDURES
K RECALL TROUBLESHOOTING PROCEDURES

TASK ID:

K0507

TASK TITLE:

ALIGN UHF OR VHF EQUIPMENT OR SUBASSEMBLIES

PUBLICATIONS:

EQUIPMENT TECHNICAL ORDER (T.O.)

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

PREREQUISITE TASK(S):

I0361, ISOLATE MALFUNCTIONS WITHIN UHF OR VHF EQUIPMENT

STANDARD:

IAW T.O.

PERFORMANCE RESOURCES:

TEST EQUIPMENT

COMMON HANDTOOLS

AFTO FORM 350, REPAIRABLE ITEM PROCESSING TAG

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

01

START MDC/CAMS DOCUMENTATION

02

COORDINATE RELEASE OF EQUIPMENT WITH USER

03

GATHER EQUIPMENT AND SUPPLIES

04

GATHER T.O.

- 05
FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD
- 06
TURN OFF AND/OR DISCONNECT POWER, IF NECESSARY
- 07
REMOVE APPROPRIATE COVERS, IF APPLICABLE
- 08
SET UP TEST EQUIPMENT, IF NEEDED
- 09
ADJUST INITIAL TEST EQUIPMENT LEVELS/PARAMETERS
- 10
PERFORM ALIGNMENT PROCEDURES IAW T.O.
- 11
TROUBLESHOOT CARDS/MODULES THAT DO NOT CONFORM TO T.O.
SPECIFICATIONS
- 12
REMOVE TEST EQUIPMENT, IF APPLICABLE
- 13
REPLACE APPROPRIATE COVERS, IF NECESSARY
- 14
APPLY POWER TO EQUIPMENT, IF APPLICABLE
- 15
COORDINATE WITH USER TO PERFORM OPERATIONAL CHECK OF
EQUIPMENT
- 16
RETURN EQUIPMENT AND SUPPLIES
- 17
UPDATE MDC

SUPPORTING SKILLS/KNOWLEDGE:

- S USE TEST EQUIPMENT
- S USE COMMON HANDTOOLS
- S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER
- K INTERPRET MEASUREMENTS
- K INTERPRET TECHNICAL DATA
- K ANNOTATE APPROPRIATE FORM(S)
- K RECOGNIZE ELECTRICAL HAZARDS
- K APPLY PROPER SAFETY PROCEDURES
- K RECALL TROUBLESHOOTING PROCEDURES

TASK ID:

K0512

TASK TITLE:

ALIGN RECORDER-REPRODUCER SUBASSEMBLIES

PUBLICATIONS:

EQUIPMENT TECHNICAL ORDER (T.O.)

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

PREREQUISITE TASK(S):

J0465, OPERATIONALLY CHECK RECORDER-REPRODUCERS

STANDARD:

IAW T.O.

PERFORMANCE RESOURCES:

COTTON SWABS

TEST EQUIPMENT

LINT-FREE CLOTH

HEAD DEGAUSSER

COMMON HANDTOOLS

DENATURED ALCOHOL

AFTO FORM 350, REPAIRABLE ITEM PROCESSING TAG

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

01

START MDC/CAMS DOCUMENTATION

02

COORDINATE RELEASE OF EQUIPMENT WITH USER

03
GATHER EQUIPMENT AND SUPPLIES
04
GATHER T.O.
05
FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD
06
CLEAN AND DEGAUSS RECORDER-REPRODUCER HEADS, IF NEEDED
07
SET-UP TEST EQUIPMENT, IF NEEDED
08
ADJUST INITIAL TEST EQUIPMENT LEVELS/PARAMETERS
09
PERFORM ALIGNMENT PROCEDURES IAW T.O.
10
TROUBLESHOOT CARDS/MODULES THAT DO NOT CONFORM TO T.O.
SPECIFICATIONS
11
REMOVE TEST EQUIPMENT, IF APPLICABLE
12
COORDINATE WITH USER TO PERFORM OPERATIONAL CHECK OF
EQUIPMENT
13
RETURN EQUIPMENT AND SUPPLIES
14
UPDATE MDC

SUPPORTING SKILLS/KNOWLEDGE:

S USE TEST EQUIPMENT
S USE COMMON HANDTOOLS
S CLEAN AND DEGAUSS RECORDER-REPRODUCER HEADS
S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER
K INTERPRET MEASUREMENTS
K INTERPRET TECHNICAL DATA
K ANNOTATE APPROPRIATE FORM(S)
K RECOGNIZE ELECTRICAL HAZARDS
K APPLY PROPER SAFETY PROCEDURES
K RECALL TROUBLESHOOTING PROCEDURES

TASK ID:

K0525

TASK TITLE:

BENCH CHECK FM EQUIPMENT OR SUBASSEMBLIES

PUBLICATIONS:

EQUIPMENT TECHNICAL ORDER (T.O.)

COMMERCIAL MANUAL

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

PREREQUISITE TASK(S):

I0371, OPERATIONALLY CHECK FM EQUIPMENT

STANDARD:

IAW T.O./COMMERCIAL MANUAL

PERFORMANCE RESOURCES:

CONDITION TAGS

TEST EQUIPMENT

COMMON HANDTOOLS

AFTO FORM 350, REPAIRABLE ITEM PROCESSING TAG

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

SUBTASK ID/STATEMENT:

01

START MDC/CAMS DOCUMENTATION

02

GATHER EQUIPMENT AND SUPPLIES

03

GATHER T.O./COMMERCIAL MANUAL

04

FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD

05

REMOVE APPROPRIATE COVERS

- 06
INSPECT INTERIOR/EXTERIOR OF EQUIPMENT FOR CORROSION, LOOSE WIRES, ETC.
- 07
APPLY POWER TO EQUIPMENT
- 08
INSPECT CONTROLS/INDICATORS FOR PROPER OPERATION IAW T.O./COMMERCIAL MANUAL
- 09
SET UP TEST EQUIPMENT
- 10
ENSURE MINIMUM PERFORMANCE STANDARDS ARE MET IAW T.O./COMMERCIAL MANUAL
- 11
PERFORM TROUBLESHOOTING PROCEDURES TO ISOLATE MALFUNCTION IF BENCH CHECK IS NOT SUCCESSFUL
- 12
DISCONNECT TEST EQUIPMENT
- 13
REPLACE APPROPRIATE COVERS
- 14
TAG EQUIPMENT/SUBASSEMBLY, AS APPROPRIATE
- 15
RETURN EQUIPMENT AND SUPPLIES
- 16
UPDATE MDC

SUPPORTING SKILLS/KNOWLEDGE:

- S USE TEST EQUIPMENT
- S USE COMMON HANDTOOLS
- S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER
- K INTERPRET MEASUREMENTS
- K INTERPRET TECHNICAL DATA
- K RECOGNIZE CHEMICAL HAZARDS
- K ANNOTATE APPROPRIATE FORM(S)
- K RECOGNIZE ELECTRICAL HAZARDS
- K APPLY PROPER SAFETY PROCEDURES
- K RECALL TROUBLESHOOTING PROCEDURES
- K RECALL PROCEDURES RELATED TO CORROSION CONTROL AND PREVENTION

TASK ID:

K0526

TASK TITLE:

BENCH CHECK HF EXCITERS OR SUBASSEMBLIES

PUBLICATIONS:

EQUIPMENT TECHNICAL ORDER (T.O.)

COMMERCIAL MANUAL

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

STANDARD:

IAW T.O./COMMERCIAL MANUAL

PERFORMANCE RESOURCES:

CONDITION TAGS

TEST EQUIPMENT

COMMON HANDTOOLS

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

01

START MDC/CAMS DOCUMENTATION

02

GATHER EQUIPMENT AND SUPPLIES

03

GATHER T.O./COMMERCIAL MANUAL

04

FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD

05

REMOVE APPROPRIATE COVERS

06

INSPECT INTERIOR/EXTERIOR OF EQUIPMENT FOR CORROSION, LOOSE WIRES, ETC.

07

APPLY POWER TO EQUIPMENT

08

INSPECT CONTROLS/INDICATORS FOR PROPER OPERATION IAW T.O./COMMERCIAL MANUAL

09

SET UP TEST EQUIPMENT

10

ENSURE MINIMUM PERFORMANCE STANDARDS ARE MET IAW T.O./COMMERCIAL MANUAL

11

PERFORM TROUBLESHOOTING PROCEDURES TO ISOLATE MALFUNCTION IF BENCH CHECK IS NOT SUCCESSFUL

12

DISCONNECT TEST EQUIPMENT

13

REPLACE APPROPRIATE COVERS

14

TAG EXCITER/SUBASSEMBLY, AS APPROPRIATE

15

RETURN EQUIPMENT AND SUPPLIES

16

UPDATE MDC

SUPPORTING SKILLS/KNOWLEDGE:

S USE TEST EQUIPMENT

S USE COMMON HANDTOOLS

S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

K INTERPRET MEASUREMENTS

K INTERPRET TECHNICAL DATA

K RECOGNIZE CHEMICAL HAZARDS

K ANNOTATE APPROPRIATE FORM(S)

K RECOGNIZE ELECTRICAL HAZARDS

K APPLY PROPER SAFETY PROCEDURES

K RECALL TROUBLESHOOTING PROCEDURES

K RECALL PROCEDURES RELATED TO CORROSION CONTROL AND PREVENTION

TASK ID:

K0527

TASK TITLE:

BENCH CHECK HF POWER AMPLIFIERS OR SUBASSEMBLIES

PUBLICATIONS:

EQUIPMENT TECHNICAL ORDER (T.O.)

COMMERCIAL MANUAL

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

PREREQUISITE TASK(S):

I0372, OPERATIONALLY CHECK HF EQUIPMENT

STANDARD:

IAW T.O./COMMERCIAL MANUAL

PERFORMANCE RESOURCES:

CONDITION TAGS

TEST EQUIPMENT

COMMON HANDTOOLS

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

01

START MDC/CAMS DOCUMENTATION

02

GATHER EQUIPMENT AND SUPPLIES

03

GATHER T.O./COMMERCIAL MANUAL

04

FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD

05

REMOVE APPROPRIATE COVERS

06

INSPECT INTERIOR/EXTERIOR OF EQUIPMENT FOR CORROSION, LOOSE WIRES, ETC.

07

APPLY POWER TO EQUIPMENT

08

INSPECT CONTROLS/INDICATORS FOR PROPER OPERATION IAW T.O./COMMERCIAL MANUAL

09

SET UP TEST EQUIPMENT

10

ENSURE MINIMUM PERFORMANCE STANDARDS ARE MET IAW T.O./COMMERCIAL MANUAL

11

PERFORM TROUBLESHOOTING PROCEDURES TO ISOLATE MALFUNCTION IF BENCH CHECK IS NOT SUCCESSFUL

12

DISCONNECT TEST EQUIPMENT

13

REPLACE APPROPRIATE COVERS

14

TAG AMPLIFIER/SUBASSEMBLY, AS APPROPRIATE

15

RETURN EQUIPMENT AND SUPPLIES

16

UPDATE MDC

SUPPORTING SKILLS/KNOWLEDGE:

S USE TEST EQUIPMENT

S USE COMMON HANDTOOLS

S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

K INTERPRET MEASUREMENTS

K INTERPRET TECHNICAL DATA

K RECOGNIZE CHEMICAL HAZARDS

K ANNOTATE APPROPRIATE FORM(S)

K RECOGNIZE ELECTRICAL HAZARDS

K APPLY PROPER SAFETY PROCEDURES

K RECALL TROUBLESHOOTING PROCEDURES

K RECALL PROCEDURES RELATED TO CORROSION CONTROL AND PREVENTION

TASK ID:

K0528

TASK TITLE:

BENCH CHECK HF RECEIVERS OR SUBASSEMBLIES

PUBLICATIONS:

EQUIPMENT TECHNICAL ORDER (T.O.)

COMMERCIAL MANUAL

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

PREREQUISITE TASK(S):

I0372, OPERATIONALLY CHECK HF EQUIPMENT

STANDARD:

IAW T.O./COMMERCIAL MANUAL

PERFORMANCE RESOURCES:

CONDITION TAGS

TEST EQUIPMENT

COMMON HANDTOOLS

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

01

START MDC/CAMS DOCUMENTATION

02

GATHER EQUIPMENT AND SUPPLIES

03

GATHER T.O./COMMERCIAL MANUAL,

04

FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD

05

REMOVE APPROPRIATE COVERS

- 06
INSPECT INTERIOR/EXTERIOR OF EQUIPMENT FOR CORROSION, LOOSE
WIRES, ETC.
- 07
APPLY POWER TO EQUIPMENT
- 08
INSPECT CONTROLS/INDICATORS FOR PROPER OPERATION IAW
T.O./COMMERCIAL MANUAL
- 09
SET UP TEST EQUIPMENT
- 10
ENSURE MINIMUM PERFORMANCE STANDARDS ARE MET IAW
T.O./COMMERCIAL MANUAL
- 11
PERFORM TROUBLESHOOTING PROCEDURES TO ISOLATE MALFUNCTION
IF BENCH CHECK IS NOT SUCCESSFUL
- 12
DISCONNECT TEST EQUIPMENT
- 13
REPLACE APPROPRIATE COVERS
- 14
TAG RECEIVER/SUBASSEMBLY, AS APPROPRIATE
- 15
RETURN EQUIPMENT AND SUPPLIES
- 16
UPDATE MDC

SUPPORTING SKILLS/KNOWLEDGE:

- S USE TEST EQUIPMENT
- S USE COMMON HANDTOOLS
- S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER
- K INTERPRET MEASUREMENTS
- K INTERPRET TECHNICAL DATA
- K RECOGNIZE CHEMICAL HAZARDS
- K ANNOTATE APPROPRIATE FORM(S)
- K RECOGNIZE ELECTRICAL HAZARDS
- K APPLY PROPER SAFETY PROCEDURES
- K RECALL TROUBLESHOOTING PROCEDURES
- K RECALL PROCEDURES RELATED TO CORROSION CONTROL AND
PREVENTION

TASK ID:

K0529

TASK TITLE:

BENCH CHECK HF TRANSCEIVERS OR SUBASSEMBLIES

PUBLICATIONS:

EQUIPMENT TECHNICAL ORDER (T.O.)

COMMERCIAL MANUAL

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

PREREQUISITE TASK(S):

I0372, OPERATIONALLY CHECK HF EQUIPMENT

STANDARD:

IAW T.O./COMMERCIAL MANUAL

PERFORMANCE RESOURCES:

CONDITION TAGS

TEST EQUIPMENT

COMMON HANDTOOLS

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

01

START MDC/CAMS DOCUMENTATION

02

GATHER EQUIPMENT AND SUPPLIES

03

GATHER T.O./COMMERCIAL MANUAL

04

FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD

05

REMOVE APPROPRIATE COVERS

- 06
INSPECT INTERIOR/EXTERIOR OF EQUIPMENT FOR CORROSION, LOOSE
WIRES, ETC.
- 07
APPLY POWER TO EQUIPMENT
- 08
INSPECT CONTROLS/INDICATORS FOR PROPER OPERATION IAW
T.O./COMMERCIAL MANUAL
- 09
SET UP TEST EQUIPMENT
- 10
ENSURE MINIMUM PERFORMANCE STANDARDS ARE MET IAW
T.O./COMMERCIAL MANUAL
- 11
PERFORM TROUBLESHOOTING PROCEDURES TO ISOLATE MALFUNCTION
IF BENCH CHECK IS NOT SUCCESSFUL
- 12
DISCONNECT TEST EQUIPMENT
- 13
REPLACE APPROPRIATE COVERS
- 14
TAG TRANSCEIVER/SUBASSEMBLY, AS APPROPRIATE
- 15
RETURN EQUIPMENT AND SUPPLIES
- 16
UPDATE MDC

SUPPORTING SKILLS/KNOWLEDGE:

- S USE TEST EQUIPMENT
- S S USE COMMON HANDTOOLS
- S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER
- K INTERPRET MEASUREMENTS
- K INTERPRET TECHNICAL DATA
- K RECOGNIZE CHEMICAL HAZARDS
- K ANNOTATE APPROPRIATE FORM(S)
- K RECOGNIZE ELECTRICAL HAZARDS
- K APPLY PROPER SAFETY PROCEDURES
- K RECALL TROUBLESHOOTING PROCEDURES
- K RECALL PROCEDURES RELATED TO CORROSION CONTROL AND
PREVENTION

TASK ID:

K0536

TASK TITLE:

BENCH CHECK UHF OR VHF POWER AMPLIFIERS OR SUBASSEMBLIES

PUBLICATIONS:

EQUIPMENT TECHNICAL ORDER (T.O.)

COMMERCIAL MANUAL

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

PREREQUISITE TASK(S):

I0374, OPERATIONALLY CHECK UHF OR VHF EQUIPMENT

STANDARD:

IAW T.O./COMMERCIAL MANUAL

PERFORMANCE RESOURCES:

CONDITION TAGS

TEST EQUIPMENT

COMMON HANDTOOLS

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

01

START MDC/CAMS DOCUMENTATION

02

GATHER EQUIPMENT AND SUPPLIES

03

GATHER T.O./COMMERCIAL MANUAL

04

FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD

05

REMOVE APPROPRIATE COVERS

- 06
INSPECT INTERIOR/EXTERIOR OF EQUIPMENT FOR CORROSION, LOOSE WIRES, ETC.
- 07
APPLY POWER TO EQUIPMENT
- 08
INSPECT CONTROLS/INDICATORS FOR PROPER OPERATION IAW T.O./COMMERCIAL MANUAL
- 09
SET UP TEST EQUIPMENT
- 10
ENSURE MINIMUM PERFORMANCE STANDARDS ARE MET IAW T.O./COMMERCIAL MANUAL
- 11
PERFORM TROUBLESHOOTING PROCEDURES TO ISOLATE MALFUNCTION IF BENCH CHECK IS NOT SUCCESSFUL
- 12
DISCONNECT TEST EQUIPMENT
- 13
REPLACE APPROPRIATE COVERS
- 14
TAG AMPLIFIER/SUBASSEMBLY, AS APPROPRIATE
- 15
RETURN EQUIPMENT AND SUPPLIES
- 16
UPDATE MDC

SUPPORTING SKILLS/KNOWLEDGE:

- S USE TEST EQUIPMENT
- S USE COMMON HANDTOOLS
- S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER
- K INTERPRET MEASUREMENTS
- K INTERPRET TECHNICAL DATA
- K RECOGNIZE CHEMICAL HAZARDS
- K ANNOTATE APPROPRIATE FORM(S)
- K RECOGNIZE ELECTRICAL HAZARDS
- K APPLY PROPER SAFETY PROCEDURES
- K RECALL TROUBLESHOOTING PROCEDURES
- K RECALL PROCEDURES RELATED TO CORROSION CONTROL AND PREVENTION

TASK ID:

K0537

TASK TITLE:

BENCH CHECK UHF OR VHF RECEIVERS OR SUBASSEMBLIES

PUBLICATIONS:

EQUIPMENT TECHNICAL ORDER (T.O.)

COMMERCIAL MANUAL

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

PREREQUISITE TASKS(S):

I0374, OPERATIONALLY CHECK UHF OR VHF EQUIPMENT

STANDARD:

IAW T.O./COMMERCIAL MANUAL

PERFORMANCE RESOURCES:

CONDITION TAGS

TEST EQUIPMENT

COMMON HANDTOOLS

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

01

START MDC/CAMS DOCUMENTATION

02

GATHER EQUIPMENT AND SUPPLIES

03

GATHER T.O./COMMERCIAL MANUAL

04

FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD

05

REMOVE APPROPRIATE COVERS

- 06
INSPECT INTERIOR/EXTERIOR OF EQUIPMENT FOR CORROSION, LOOSE WIRES, ETC.
- 07
APPLY POWER TO EQUIPMENT
- 08
INSPECT CONTROLS/INDICATORS FOR PROPER OPERATION IAW T.O./COMMERCIAL MANUAL
- 09
SET UP TEST EQUIPMENT
- 10
ENSURE MINIMUM PERFORMANCE STANDARDS ARE MET IAW T.O./COMMERCIAL MANUAL
- 11
PERFORM TROUBLESHOOTING PROCEDURES TO ISOLATE MALFUNCTION IF BENCH CHECK IS NOT SUCCESSFUL
- 12
DISCONNECT TEST EQUIPMENT
- 13
REPLACE APPROPRIATE COVERS
- 14
TAG RECEIVER/SUBASSEMBLY, AS APPROPRIATE
- 15
RETURN EQUIPMENT AND SUPPLIES
- 16
UPDATE MDC

SUPPORTING SKILLS/KNOWLEDGE:

- S USE TEST EQUIPMENT
- S USE COMMON HANDTOOLS
- S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER
- K INTERPRET MEASUREMENTS
- K INTERPRET TECHNICAL DATA
- K RECOGNIZE CHEMICAL HAZARDS
- K ANNOTATE APPROPRIATE FORM(S)
- K RECOGNIZE ELECTRICAL HAZARDS
- K APPLY PROPER SAFETY PROCEDURES
- K RECALL TROUBLESHOOTING PROCEDURES
- K RECALL PROCEDURES RELATED TO CORROSION CONTROL AND PREVENTION

TASK ID:

K0538

TASK TITLE:

BENCH CHECK UHF OR VHF TRANSCEIVERS OR SUBASSEMBLIES

PUBLICATIONS:

EQUIPMENT TECHNICAL ORDER (T.O.)

COMMERCIAL MANUAL

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

PREREQUISITE TASK(S):

I0374, OPERATIONALLY CHECK UHF OR VHF EQUIPMENT

STANDARD:

IAW T.O./COMMERCIAL MANUAL

PERFORMANCE RESOURCES:

CONDITION TAGS

TEST EQUIPMENT

COMMON HANDTOOLS

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

01

START MDC/CAMS DOCUMENTATION

02

GATHER EQUIPMENT AND SUPPLIES

03

GATHER T.O./COMMERCIAL MANUAL

04

FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD

05

REMOVE APPROPRIATE COVERS

- 06
INSPECT INTERIOR/EXTERIOR OF EQUIPMENT FOR CORROSION, LOOSE WIRES, ETC.
- 07
APPLY POWER TO EQUIPMENT
- 08
INSPECT CONTROLS/INDICATORS FOR PROPER OPERATION IAW T.O./COMMERCIAL MANUAL
- 09
SET UP TEST EQUIPMENT
- 10
ENSURE MINIMUM PERFORMANCE STANDARDS ARE MET IAW T.O./COMMERCIAL MANUAL
- 11
PERFORM TROUBLESHOOTING PROCEDURES TO ISOLATE MALFUNCTION IF BENCH CHECK IS NOT SUCCESSFUL
- 12
DISCONNECT TEST EQUIPMENT
- 13
REPLACE APPROPRIATE COVERS
- 14
TAG TRANSCEIVER/SUBASSEMBLY, AS APPROPRIATE
- 15
RETURN EQUIPMENT AND SUPPLIES
- 16
UPDATE MDC

SUPPORTING SKILLS/KNOWLEDGE:

- S USE TEST EQUIPMENT
- S USE COMMON HANDTOOLS
- S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER
- K INTERPRET MEASUREMENTS
- K INTERPRET TECHNICAL DATA
- K RECOGNIZE CHEMICAL HAZARDS
- K ANNOTATE APPROPRIATE FORM(S)
- K RECOGNIZE ELECTRICAL HAZARDS
- K APPLY PROPER SAFETY PROCEDURES
- K RECALL TROUBLESHOOTING PROCEDURES
- K RECALL PROCEDURES RELATED TO CORROSION CONTROL AND PREVENTION

TASK ID:

K0539

TASK TITLE:

BENCH CHECK UHF OR VHF TRANSMITTERS SUBASSEMBLIES

PUBLICATIONS:

EQUIPMENT TECHNICAL ORDER (T.O.)

COMMERCIAL MANUAL

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

PREREQUISITE TASK(S):

I0374, OPERATIONALLY CHECK UHF OR VHF EQUIPMENT

STANDARD:

IAW T.O./COMMERCIAL MANUAL

PERFORMANCE RESOURCES:

CONDITION TAGS

TEST EQUIPMENT

COMMON HANDTOOLS

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

01

START MDC/CAMS DOCUMENTATION

02

GATHER EQUIPMENT AND SUPPLIES

03

GATHER T.O./COMMERCIAL MANUAL

04

FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD

05

REMOVE APPROPRIATE COVERS

- 06
INSPECT INTERIOR/EXTERIOR OF EQUIPMENT FOR CORROSION, LOOSE
WIRES, ETC
- 07
APPLY POWER TO EQUIPMENT
- 08
INSPECT CONTROLS/INDICATORS FOR PROPER OPERATION IAW
T.O./COMMERCIAL MANUAL
- 09
SET UP TEST EQUIPMENT
- 10
ENSURE MINIMUM PERFORMANCE STANDARDS ARE MET IAW
T.O./COMMERCIAL MANUAL
- 11
PERFORM TROUBLESHOOTING PROCEDURES TO ISOLATE MALFUNCTION
IF BENCH CHECK IS NOT SUCCESSFUL
- 12
DISCONNECT TEST EQUIPMENT
- 13
REPLACE APPROPRIATE COVERS
- 14
TAG SUBASSEMBLY, AS APPROPRIATE
- 15
RETURN EQUIPMENT AND SUPPLIES
- 16
UPDATE MDC

SUPPORTING SKILLS/KNOWLEDGE:

- S USE TEST EQUIPMENT
S USE COMMON HANDTOOLS
S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER
K INTERPRET MEASUREMENTS
K INTERPRET TECHNICAL DATA
K RECOGNIZE CHEMICAL HAZARDS
K ANNOTATE APPROPRIATE FORM(S)
K RECOGNIZE ELECTRICAL HAZARDS
K APPLY PROPER SAFETY PROCEDURES
K RECALL TROUBLESHOOTING PROCEDURES
K RECALL PROCEDURES RELATED TO CORROSION CONTROL AND
PREVENTION

TASK ID:

K0542

TASK TITLE:

BENCH CHECK POWER SUPPLY EQUIPMENT OR SUBASSEMBLIES

PUBLICATIONS:

EQUIPMENT TECHNICAL ORDER (T.O.)

COMMERCIAL MANUAL

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

STANDARD:

IAW T.O./COMMERCIAL MANUAL

PERFORMANCE RESOURCES:

CONDITION TAGS

TEST EQUIPMENT

COMMON HANDTOOLS

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

01

START MDC/CAMS DOCUMENTATION

02

GATHER EQUIPMENT AND SUPPLIES

03

GATHER T.O./COMMERCIAL MANUAL

04

FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD

05

REMOVE APPROPRIATE COVERS

06

INSPECT INTERIOR/EXTERIOR OF EQUIPMENT FOR CORROSION, LOOSE WIRES, ETC.

07

APPLY POWER TO EQUIPMENT

08

INSPECT CONTROLS/INDICATORS FOR PROPER OPERATION IAW T.O./COMMERCIAL MANUAL

09

SET UP TEST EQUIPMENT

10

ENSURE MINIMUM PERFORMANCE STANDARDS ARE MET IAW T.O./COMMERCIAL MANUAL

11

PERFORM TROUBLESHOOTING PROCEDURES TO ISOLATE MALFUNCTION IF BENCH CHECK IS NOT SUCCESSFUL

12

DISCONNECT TEST EQUIPMENT

13

REPLACE APPROPRIATE COVERS

14

TAG EQUIPMENT, AS APPROPRIATE

15

RETURN EQUIPMENT AND SUPPLIES

16

UPDATE MDC

SUPPORTING SKILLS/KNOWLEDGE:

S USE TEST EQUIPMENT

S USE COMMON HANDTOOLS

S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

K INTERPRET MEASUREMENTS

K INTERPRET TECHNICAL DATA

K RECOGNIZE CHEMICAL HAZARDS

K ANNOTATE APPROPRIATE FORM(S)

K RECOGNIZE ELECTRICAL HAZARDS

K APPLY PROPER SAFETY PROCEDURES

K RECALL TROUBLESHOOTING PROCEDURES

K RECALL PROCEDURES RELATED TO CORROSION CONTROL AND PREVENTION

TASK ID:

K0550

TASK TITLE:

PERFORM CORROSION PREVENTION ON GRCE

PUBLICATIONS:

EQUIPMENT TECHNICAL ORDER (T.O.)

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 1-1-8, APPLICATION AND REMOVAL OF ORGANIC COATINGS,
AEROSPACE AND NON-AEROSPACE EQUIPMENT

T.O. 1-1-689, AIRCRAFT WEAPONS SYSTEMS - CLEANING AND CORROSION
CONTROL

T.O. 1-1-691, AVIONIC CLEANING AND CORROSION PREVENTION/CONTROL

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

STANDARD:

IAW T.O.

PERFORMANCE RESOURCES:

SOLVENTS/ABRASIVES

COMMON HANDTOOLS

PERSONAL PROTECTIVE EQUIPMENT/CLOTHING

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

01

START MDC/CAMS DOCUMENTATION

02

NOTIFY USER OF EQUIPMENT GOING OFF LINE, IF REQUIRED

03

GATHER EQUIPMENT AND SUPPLIES

04

GATHER T.O.

05
FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARDS
06
REMOVE POWER FROM EQUIPMENT, IF REQUIRED
07
INSPECT EXTERNAL EQUIPMENT AND CONNECTORS
08
DISASSEMBLE EQUIPMENT, IF APPLICABLE
09
INSPECT INTERNAL COMPONENTS/CONNECTORS FOR CORROSION
10
DON PERSONAL PROTECTIVE EQUIPMENT/CLOTHING
11
PERFORM CORROSION REMOVAL PROCEDURES IAW
EQUIPMENT/CORROSION T.O.
12
DOFF PERSONAL PROTECTIVE EQUIPMENT/CLOTHING
13
REASSEMBLE EQUIPMENT, IF APPLICABLE
14
APPLY POWER TO EQUIPMENT, IF NECESSARY
15
NOTIFY USER OF EQUIPMENT AVAILABILITY, IF APPLICABLE
16
DISPOSE OF SOLVENTS/ABRASIVES IAW LOCAL PROCEDURES
17
CLEAN WORK AREA
18
UPDATE MDC

SUPPORTING SKILLS/KNOWLEDGE:

S USE COMMON HANDTOOLS
S USE SOLVENTS/ABRASIVES
S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER
K IDENTIFY TYPES OF CORROSION
K RECOGNIZE CHEMICAL HAZARDS
K ANNOTATE APPROPRIATE FORM(S)
K IDENTIFY FACTORS THAT INFLUENCE CORROSION
K IDENTIFY PREVENTIVE MEASURES FOR CORROSION CONTROL
K RECOGNIZE IMPORTANCE OF PROPER DISPOSAL OF HAZARDOUS WASTE

TASK ID:

K0556

TASK TITLE:

REMOVE OR REPLACE FM EQUIPMENT SUBASSEMBLIES

PUBLICATIONS:

EQUIPMENT TECHNICAL ORDER (T.O.)

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

PREREQUISITE TASK(S):

I0371, OPERATIONALLY CHECK FM EQUIPMENT

K0504, ALIGN FM EQUIPMENT OR SUBASSEMBLIES

STANDARD:

IAW T.O.

PERFORMANCE RESOURCES:

CONDITION TAGS

SPECIALIZED TOOLS

COMMON HANDTOOLS

AFTO FORM 350, REPAIRABLE ITEM PROCESSING TAG

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

01

START MDC/CAMS DOCUMENTATION

02

GATHER EQUIPMENT AND SUPPLIES

03

GATHER T.O.

04
FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD
05
COORDINATE RELEASE OF EQUIPMENT WITH USER, IF NECESSARY
06
DISCONNECT POWER
07
DISCONNECT EXTERNAL WIRES AND CABLES, AS APPROPRIATE
08
REMOVE HARDWARE AND COVERS, AS APPROPRIATE
09
REMOVE SUBASSEMBLY
10
TAG SUBASSEMBLY, AS APPROPRIATE
11
INSTALL REPLACEMENT SUBASSEMBLY
12
REPLACE HARDWARE AND COVERS, AS APPROPRIATE
13
CONNECT EXTERNAL WIRES AND CABLES, AS APPROPRIATE
14
PERFORM OPERATIONAL CHECK TO ENSURE SERVICEABILITY
15
PERFORM ALIGNMENT PROCEDURES, IF NECESSARY
16
RELEASE EQUIPMENT TO USER, IF APPLICABLE
17
UPDATE MDC

SUPPORTING SKILLS/KNOWLEDGE:

S USE SPECIALIZED TOOLS
S USE COMMON HANDTOOLS
S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER
K INTERPRET TECHNICAL DATA
K ANNOTATE APPROPRIATE FORM(S)
K RECOGNIZE ELECTRICAL HAZARDS
K APPLY PROPER SAFETY PROCEDURES

TASK ID:

K0557

TASK TITLE:

REMOVE OR REPLACE HF EQUIPMENT SUBASSEMBLIES

PUBLICATIONS:

EQUIPMENT TECHNICAL ORDER (T.O.)

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

PREREQUISITE TASK(S)

I0372, OPERATIONALLY CHECK HF EQUIPMENT

K0505, ALIGN FM EQUIPMENT OR SUBASSEMBLIES

STANDARD:

IAW T.O.

PERFORMANCE RESOURCES:

CONDITION TAGS

SPECIALIZED TOOLS

COMMON HANDTOOLS

AFTO FORM 350, REPAIRABLE ITEM PROCESSING TAG

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

01

START MDC/CAMS DOCUMENTATION

02

GATHER EQUIPMENT AND SUPPLIES

03

GATHER T.O.

04
FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD
05
COORDINATE RELEASE OF EQUIPMENT WITH USER, IF NECESSARY
06
DISCONNECT POWER, IF NECESSARY
07
DISCONNECT EXTERNAL WIRES AND CABLES, AS APPROPRIATE
08
REMOVE HARDWARE AND COVERS, AS NECESSARY
09
REMOVE SUBASSEMBLY
10
TAG SUBASSEMBLY, AS APPROPRIATE
11
INSTALL REPLACEMENT SUBASSEMBLY
12
REPLACE HARDWARE AND COVERS, AS APPROPRIATE
13
CONNECT EXTERNAL WIRES AND CABLES, AS APPROPRIATE
14
PERFORM OPERATIONAL CHECK TO ENSURE SERVICEABILITY
15
PERFORM ALIGNMENT PROCEDURES, IF NECESSARY
16
RELEASE EQUIPMENT TO USER, IF NECESSARY
17
UPDATE MDC

SUPPORTING SKILLS/KNOWLEDGE:

S USE SPECIALIZED TOOLS
S USE COMMON HANDTOOLS
S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER
K INTERPRET TECHNICAL DATA
K ANNOTATE APPROPRIATE FORM(S)
K RECOGNIZE ELECTRICAL HAZARDS
K APPLY PROPER SAFETY PROCEDURES

TASK ID:

K0559

TASK TITLE:

REMOVE OR REPLACE UHF OR VHF EQUIPMENT SUBASSEMBLIES

PUBLICATIONS:

EQUIPMENT TECHNICAL ORDER (T.O.)

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

PREREQUISITE TASK(S):

I0374, OPERATIONALLY CHECK UHF OR VHF EQUIPMENT

K0507, ALIGN UHF OR VHF EQUIPMENT OR SUBASSEMBLIES

STANDARD:

IAW T.O.

PERFORMANCE RESOURCES:

CONDITION TAGS

SPECIALIZED TOOLS

COMMON HANDTOOLS

AFTO FORM 350, REPAIRABLE ITEM PROCESSING TAG

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

01

START MDC/CAMS DOCUMENTATION

02

GATHER EQUIPMENT AND SUPPLIES

03

GATHER T.O.

04
FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD
05
COORDINATE RELEASE OF EQUIPMENT WITH USER
06
DISCONNECT POWER, IF NECESSARY
07
DISCONNECT EXTERNAL WIRES AND CABLES, AS APPROPRIATE
08
REMOVE HARDWARE AND COVERS, AS APPROPRIATE
09
REMOVE SUBASSEMBLY
10
TAG SUBASSEMBLY, AS APPROPRIATE
11
INSTALL REPLACEMENT SUBASSEMBLY
12
REPLACE HARDWARE AND COVERS, AS APPROPRIATE
13
CONNECT EXTERNAL WIRES AND CABLES, AS APPROPRIATE
14
PERFORM OPERATIONAL CHECK TO ENSURE SERVICEABILITY
15
PERFORM ALIGNMENT PROCEDURES, IF NECESSARY
16
RELEASE EQUIPMENT TO USER
17
UPDATE MDC

SUPPORTING SKILLS/KNOWLEDGE:

S USE SPECIALIZED TOOLS
S USE COMMON HANDTOOLS
S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER
K INTERPRET TECHNICAL DATA
K ANNOTATE APPROPRIATE FORM(S)
K RECOGNIZE ELECTRICAL HAZARDS
K APPLY PROPER SAFETY PROCEDURES

TASK ID:

K0561

TASK TITLE:

REMOVE OR REPLACE POWER SUPPLY EQUIPMENT SUBASSEMBLIES

PUBLICATIONS:

EQUIPMENT TECHNICAL ORDER (T.O.)

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

STANDARD:

IAW T.O.

PERFORMANCE RESOURCES:

CONDITION TAGS

SPECIALIZED TOOLS

COMMON HANDTOOLS

AFTO FORM 350, REPAIRABLE ITEM PROCESSING TAG

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

01

START MDC/CAMS DOCUMENTATION

02

GATHER EQUIPMENT AND SUPPLIES

03

GATHER T.O.

04

FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD

05

COORDINATE RELEASE OF EQUIPMENT WITH USER

06
DISCONNECT POWER, IF NECESSARY
07
DISCONNECT EXTERNAL WIRES AND CABLES, AS APPROPRIATE
08
REMOVE HARDWARE AND COVERS, AS APPROPRIATE
09
REMOVE SUBASSEMBLY
10
TAG SUBASSEMBLY, AS APPROPRIATE
11
INSTALL REPLACEMENT SUBASSEMBLY
12
REPLACE HARDWARE AND COVERS, AS APPROPRIATE
13
CONNECT EXTERNAL WIRES AND CABLES, AS APPROPRIATE
14
PERFORM OPERATIONAL CHECK TO ENSURE SERVICEABILITY
15
PERFORM ALIGNMENT PROCEDURES, IF NECESSARY
16
RELEASE EQUIPMENT TO USER
17
UPDATE MDC

SUPPORTING SKILLS/KNOWLEDGE:

S USE SPECIALIZED TOOLS
S USE COMMON HANDTOOLS
S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER
K INTERPRET TECHNICAL DATA
K ANNOTATE APPROPRIATE FORM(S)
K RECOGNIZE ELECTRICAL HAZARDS
K APPLY PROPER SAFETY PROCEDURES

TASK ID:

K0567

TASK TITLE:

SERVICE TEST EQUIPMENT

PUBLICATIONS:

COMMERCIAL MANUAL

TEST EQUIPMENT TECHNICAL ORDER (T.O.)

TEAM TASK INFORMATION:

Y

STANDARD:

IAW T.O./COMMERCIAL

PERFORMANCE RESOURCES:

DUST COVERS

TEST EQUIPMENT

COMMON HANDTOOLS

CLEANING MATERIALS

AFTO FORM 350, REPAIRABLE ITEM PROCESSING TAG

SUBTASK ID/STATEMENT:

01

GATHER EQUIPMENT AND SUPPLIES

02

GATHER T.O./COMMERCIAL MANUAL

03

INSPECT EQUIPMENT FOR BROKEN OR MISSING ITEMS

04

PERFORM OPERATOR MAINTENANCE IAW T.O./COMMERCIAL MANUAL

05

ORDER NECESSARY ITEMS FOR REPAIR, IF NEEDED

06

TAG EQUIPMENT IN NEED OF REPAIR

07

CLEAN TEST EQUIPMENT, IF NEEDED

08

PLACE DUST COVERS ON EQUIPMENT

09

RETURN EQUIPMENT AND SUPPLIES

SUPPORTING SKILLS/KNOWLEDGE:
S USE COMMON HANDTOOLS
K ANNOTATE APPROPRIATE FORM(S)

TASK ID:

K0568

TASK TITLE:

SOLDER COMMUNICATIONS EQUIPMENT COMPONENTS, OTHER THAN
HIGH-RELIABILITY SOLDERING

PUBLICATIONS:

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

TEAM TASK INFORMATION:

N

STANDARD:

IAW T.O.

PERFORMANCE RESOURCES:

FLUX

SOLDER

ACID BRUSH

WET SPONGE

WISE, IF AVAILABLE

DESOLDERING WICK

COMMON HANDTOOLS

ALCOHOL/CFC FREE FLUX

SOLDER REMOVAL TOOLS

ELECTRO STATIC DISCHARGE (ESD) PAD

PERSONAL PROTECTIVE EQUIPMENT/CLOTHING

SOLDERING IRON(PACE SOLDERING KIT, IF AVAILABLE)

SUBTASK ID/STATEMENT:

01

GATHER EQUIPMENT AND SUPPLIES

02

GATHER T.O.

03

FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD

04

VENTILATE WORKING AREA SUFFICIENTLY

05

UTILIZE ELECTRO STATIC DISCHARGE PAD (ESD) WITH PROPER
GROUNDING, IF NECESSARY

06
TURN ON SOLDERING IRON

07
INSPECT ITEM TO BE SOLDERED FOR CORROSION

08
DON PERSONAL PROTECTIVE EQUIPMENT/CLOTHING

09
REMOVE CORROSION, IF NECESSARY

10
CLEAN AREA OF DIRT/DEBRIS BY BRUSHING ON ALCOHOL/CFC FREE FLUX
ON AREA TO BE SOLDERED

11
COVER ENTIRE TIP OF SOLDER IRON WITH SOLDER

12
WIPE EXCESS SOLDER FROM TIP ON WET SPONGE

13
WIPE SOLDER IRON ON WET SPONGE PERIODICALLY TO ENSURE CLEAN
TIP

14
POSITION ITEM TO BE SOLDERED, USING VISE, IF NECESSARY

15
TRIM LEADS, IF NECESSARY

16
APPLY SMALL AMOUNT OF FLUX ON ITEM TO BE SOLDERED

17
APPLY SMALL AMOUNT OF SOLDER TO SOLDER IRON TIP

18
PLACE SOLDER IRON TIP ON ITEM TO BE SOLDERED

19
APPLY SOLDER TO TIP AND COVER ITEM TO SPECIFICATIONS

20
CONTINUE PROCEDURE FOR REMAINING ITEMS

21
REMOVE EXCESS SOLDER WITH SOLDER REMOVAL TOOL, IF NECESSARY

22
BRUSH OFF REMAINING FLUX/SOLVENTS WITH ALCOHOL

23
REMOVE ITEM FROM VICE, IF APPLICABLE

24
INSPECT WORK TO ENSURE PROPER SOLDERING CONNECTIONS

25
RESOLDER ITEM, IF NECESSARY

26
TURN OFF SOLDERING IRON

27

DOFF PERSONAL PROTECTIVE EQUIPMENT/CLOTHING

28

CLEAN WORK AREA

29

RETURN EQUIPMENT AND SUPPLIES

SUPPORTING SKILLS/KNOWLEDGE:

S USE VISE

S USE SOLDER EQUIPMENT

S USE COMMON HANDTOOLS

S USE PERSONAL PROTECTIVE/CLOTHING

S USE ELECTRO STATIC DISCHARGE (ESD) PAD

K INTERPRET TECHNICAL DATA

K RECALL SOLDERING PROCEDURES

K RECOGNIZE ELECTRICAL HAZARDS

K APPLY PROPER SAFETY PROCEDURES

TASK ID:

L0569

TASK TITLE:

BENCH CHECK ANTENNA COUPLER COMPONENTS

PUBLICATIONS:

EQUIPMENT TECHNICAL ORDER (T.O.)

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

STANDARD:

IAW T.O.

PERFORMANCE RESOURCES:

TEST EQUIPMENT

COMMON HANDTOOLS

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

01

START MDC/CAMS DOCUMENTATION

02

GATHER EQUIPMENT AND SUPPLIES

03

GATHER T.O.

04

FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD

05

INSPECT EXTERIOR OF COUPLER FOR CORROSION AND ANY DAMAGE, I.E.
MISSING KNOBS, SCREWS, ETC.

06

CONNECT ONE END OF RF CABLE TO RF OUTPUT OF TRANSMITTER

07

CONNECT OTHER END OF RF CABLE TO INPUT PORT UNDER TEST

08
CONNECT ONE END OF ANOTHER RF CABLE TO OUTPUT OF PORT UNDER
TEST
09
CONNECT OTHER END OF RF CABLE TO WATTMETER/DUMMY LOAD
10
SELECT A FREQUENCY THAT WILL BE USED FOR BENCH CHECK
11
COARSE TUNE CAVITY OF ANTENNA COUPLER TO SELECTED FREQUENCY
12
SELECT DESIRED PORT USING SWR SWITCH ON ANTENNA COUPLER
13
APPLY POWER TO TRANSMITTER
14
ENSURE TRANSMITTER IS NOT KEYED
15
TUNE TRANSMITTER TO SELECTED FREQUENCY, IAW EQUIPMENT
TECHNICAL ORDER (T.O.)
16
KEY TRANSMITTER
17
FINE TUNE ANTENNA COUPLER FOR MAXIMUM POWER OUT ON
WATTMETER
18
ENSURE MINIMUM VSWR RATING IS REFLECTED ON ANTENNA COUPLER
FRONT PANEL METER, IAW T.O.
19
PERFORM TROUBLESHOOTING PROCEDURES IF MINIMUM PERFORMANCE
STANDARDS ARE NOT MET
20
UPDATE MDC

SUPPORTING SKILLS/KNOWLEDGE:

S USE TEST EQUIPMENT
S USE COMMON HANDTOOLS
S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER
K INTERPRET MEASUREMENTS
K INTERPRET TECHNICAL DATA
K INTERPRET CHARTS/DIAGRAMS
K ANNOTATE APPROPRIATE FORM(S)
K APPLY PROPER SAFETY PROCEDURES
K RECALL TROUBLESHOOTING PROCEDURES

TASK ID:

L0579

TASK TITLE:

BENCH CHECK HF EQUIPMENT COMPONENTS

PUBLICATIONS:

EQUIPMENT TECHNICAL ORDER (T.O.)

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

PREREQUISITE TASK(S):

I0372, OPERATIONALLY CHECK HF EQUIPMENT

STANDARD:

IAW T.O.

PERFORMANCE RESOURCES:

TEST EQUIPMENT

COMMON HANDTOOLS

ELECTRO-STATIC DISCHARGE (ESD) PAD

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

01

START MDC/CAMS DOCUMENTATION

02

GATHER EQUIPMENT AND SUPPLIES

03

GATHER T.O.

04

FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD

- 05
TURN OFF AND/OR DISCONNECT POWER FROM EQUIPMENT
- 06
IMPLEMENT ELECTRO STATIC DISCHARGE (ESD) PROCEDURES WHEN
HANDLING SENSITIVE COMPONENTS, IF APPLICABLE
- 07
REMOVE APPROPRIATE COVER
- 08
REMOVE FAULTY COMPONENT
- 09
INSTALL COMPONENT TO BE BENCH CHECKED
- 10
SET UP TEST EQUIPMENT, IAW T.O.
- 11
PERFORM OPERATIONAL CHECK OF COMPONENT
- 12
PERFORM OPERATIONAL CHECK OF ENTIRE RADIO
- 13
PERFORM TROUBLESHOOTING PROCEDURES IF MINIMUM STANDARDS
ARE NOT MET
- 14
INITIATE REPAIR ACTION/SUPPLY REQUISITION, AS REQUIRED
- 15
DISCONNECT TEST EQUIPMENT
- 16
REPLACE COVER
- 17
RETURN EQUIPMENT AND SUPPLIES
- 18
UPDATE MDC

SUPPORTING SKILLS/KNOWLEDGE:

- S USE TEST EQUIPMENT
- S USE COMMON HANDTOOLS
- S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER
- K INTERPRET MEASUREMENTS
- K INTERPRET TECHNICAL DATA
- K INTERPRET CHARTS/DIAGRAMS
- K ANNOTATE APPROPRIATE FORM(S)
- K APPLY PROPER SAFETY PROCEDURES
- K RECALL TROUBLESHOOTING PROCEDURES
- K RECALL ELECTRO-STATIC DISCHARGE (ESD) PROCEDURES

TASK ID:

L0581

TASK TITLE:

BENCH CHECK UHF OR VHF EQUIPMENT COMPONENTS

PUBLICATIONS:

EQUIPMENT TECHNICAL ORDER (T.O.)

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

PREREQUISITE TASK(S)

I0374, OPERATIONALLY CHECK UHF OR VHF EQUIPMENT

STANDARD:

IAW T.O.

PERFORMANCE RESOURCES:

TEST EQUIPMENT

COMMON HANDTOOLS

ELECTRO-STATIC DISCHARGE (ESD) PAD

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

01

START MDC/CAMS DOCUMENTATION

02

GATHER EQUIPMENT AND SUPPLIES

03

GATHER T.O.

04

FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD

- 05
TURN OFF AND/OR DISCONNECT POWER FROM EQUIPMENT
- 06
IMPLEMENT ELECTRO-STATIC DISCHARGE (ESD) PROCEDURES WHEN
HANDLING SENSITIVE COMPONENTS, IF NECESSARY
- 07
REMOVE APPROPRIATE COVER
- 08
REMOVE FAULTY COMPONENT
- 09
INSTALL COMPONENT TO BE BENCH CHECKED
- 10
SET UP TEST EQUIPMENT, IAW T.O.
- 11
PERFORM OPERATIONAL CHECK OF COMPONENT
- 12
PERFORM OPERATIONAL CHECK OF ENTIRE RADIO
- 13
PERFORM TROUBLESHOOTING PROCEDURES IF STANDARDS ARE NOT MET
- 14
INITIATE REPAIR ACTION/SUPPLY REQUISITION, AS REQUIRED
- 15
DISCONNECT TEST EQUIPMENT
- 16
REPLACE COVER
- 17
RETURN EQUIPMENT AND SUPPLIES
- 18
UPDATE MDC

SUPPORTING SKILLS/KNOWLEDGE:

- S USE TEST EQUIPMENT
- S USE COMMON HANDTOOLS
- K INTERPRET MEASUREMENTS
- K INTERPRET TECHNICAL DATA
- K INTERPRET CHARTS/DIAGRAMS
- K ANNOTATE APPROPRIATE FORM(S)
- K APPLY PROPER SAFETY PROCEDURES
- K RECALL ELECTRO-STATIC DISCHARGE (ESD) PROCEDURES

TASK ID:

L0588

TASK TITLE:

BENCH CHECK POWER SUPPLY UNIT COMPONENTS

PUBLICATIONS:

EQUIPMENT TECHNICAL ORDER (T.O.)

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

STANDARD:

IAW T.O.

PERFORMANCE RESOURCES:

TEST EQUIPMENT

SHORTING STICK

COMMON HANDTOOLS

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

01

START MDC/CAMS DOCUMENTATION

02

GATHER EQUIPMENT AND SUPPLIES

03

GATHER T.O.

04

FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD

05

TURN OFF AND/OR DISCONNECT POWER FROM EQUIPMENT

06

REMOVE COVERS TO ACCESS INTERNAL COMPONENTS

07

DISCHARGE ALL STORAGE CAPACITORS

08

PERFORM VISUAL INSPECTION TO IDENTIFY DEFECTS SUCH AS BURNED
OR BROKEN COMPONENTS

09

SET UP TEST EQUIPMENT, IF NEEDED

10

PERFORM TROUBLESHOOTING PROCEDURES IF MINIMUM PERFORMANCE
STANDARDS ARE NOT MET

11

INITIATE REPAIR ACTION/SUPPLY REQUISITION, AS REQUIRED

12

DISCONNECT TEST EQUIPMENT, IF APPLICABLE

13

RETURN EQUIPMENT AND SUPPLIES

14

UPDATE MDC

SUPPORTING SKILLS/KNOWLEDGE:

S USE TEST EQUIPMENT

S USE SHORTING STICK

S USE COMMON HANDTOOLS

S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

K INTERPRET MEASUREMENTS

K INTERPRET TECHNICAL DATA

K ANNOTATE APPROPRIATE FORM(S)

K APPLY PROPER SAFETY PROCEDURES

K RECALL TROUBLESHOOTING PROCEDURES

TASK ID:

L0589

TASK TITLE:

BENCH CHECK RECORDER-REPRODUCER COMPONENTS

PUBLICATIONS:

EQUIPMENT TECHNICAL ORDER (T.O.)

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

PREREQUISITE TASK(S):

J0465, OPERATIONALLY CHECK RECORDER-REPRODUCERS

STANDARD:

IAW T.O.

PERFORMANCE RESOURCES:

TEST EQUIPMENT

COMMON HANDTOOLS

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

01

START MDC/CAMS DOCUMENTATION

02

GATHER EQUIPMENT AND SUPPLIES

03

GATHER T.O.

04

FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD

05

TURN OFF AND/OR DISCONNECT POWER FROM EQUIPMENT

06

REMOVE COVERS TO ACCESS INTERNAL COMPONENTS

07

PERFORM VISUAL INSPECTION TO IDENTIFY DEFECTS SUCH AS BURNED OR BROKEN COMPONENTS

08

SET UP TEST EQUIPMENT, IF NEEDED

09

PERFORM TROUBLESHOOTING PROCEDURES IF MINIMUM PERFORMANCE STANDARDS ARE NOT MET

10

INITIATE REPAIR ACTION/SUPPLY REQUISITION, AS REQUIRED

11

DISCONNECT TEST EQUIPMENT, IF APPLICABLE

12

RETURN EQUIPMENT AND SUPPLIES

13

UPDATE MDC

SUPPORTING SKILLS/KNOWLEDGE:

S USE TEST EQUIPMENT

S USE COMMON HANDTOOLS

S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

K INTERPRET MEASUREMENTS

K INTERPRET TECHNICAL DATA

K ANNOTATE APPROPRIATE FORM(S)

K APPLY PROPER SAFETY PROCEDURES

K RECALL TROUBLESHOOTING PROCEDURES

TASK ID:

L0590

TASK TITLE:

BENCH CHECK REMOTE CONTROL UNIT COMPONENTS

PUBLICATIONS:

EQUIPMENT TECHNICAL ORDER (T.O.)

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

STANDARD:

IAW T.O.

PERFORMANCE RESOURCES:

TEST EQUIPMENT

COMMON HANDTOOLS

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

01

START MDC/CAMS DOCUMENTATION

02

GATHER EQUIPMENT AND SUPPLIES

03

GATHER T.O.

04

FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD

05

TURN OFF AND/OR DISCONNECT POWER FROM EQUIPMENT

07

REMOVE COVERS TO ACCESS INTERNAL COMPONENTS

08

PERFORM VISUAL INSPECTION TO IDENTIFY DEFECTS SUCH AS BURNED
OR BROKEN COMPONENTS

09

SET UP TEST EQUIPMENT, IF NEEDED

10

PERFORM TROUBLESHOOTING PROCEDURES IF MINIMUM PERFORMANCE
STANDARDS ARE NOT MET

11

INITIATE REPAIR ACTION/SUPPLY REQUISITION, AS REQUIRED

12

DISCONNECT TEST EQUIPMENT, IF APPLICABLE

13

RETURN EQUIPMENT AND SUPPLIES

14

UPDATE MDC

SUPPORTING SKILLS/KNOWLEDGE:

S USE TEST EQUIPMENT

S USE COMMON HANDTOOLS

S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

K INTERPRET MEASUREMENTS

K INTERPRET TECHNICAL DATA

K ANNOTATE APPROPRIATE FORM(S)

K APPLY PROPER SAFETY PROCEDURES

K RECALL TROUBLESHOOTING TECHNIQUES

TASK ID:

L0595

TASK TITLE:

PERFORM HIGH-RELIABILITY SOLDERING OF INTEGRATED CIRCUITS

PUBLICATIONS:

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR, MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

TEAM TASK INFORMATION:

N

STANDARD:

IAW T.O.

PERFORMANCE RESOURCES:

FLUX

SCRIBE

SOLDER

HEAT SINK

ACID BRUSH

WET SPONGE

ALCOHOL/CFC FREE FLUX

VICE/CIRCUIT CARD HOLDER

SOLDER REMOVAL TOOL/DESOLDERING WICK

PERSONAL PROTECTIVE EQUIPMENT/CLOTHING

SOLDER IRON (PACE SOLDER KIT, IF AVAILABLE)

ELECTRO STATIC DISCHARGE (ESD) APPROVED SOLDER STATION, IF APPLICABLE

SUBTASK ID/STATEMENT:

01

GATHER EQUIPMENT AND SUPPLIES

02

GATHER T.O.

03

FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD

04

VENTILATE WORKING AREA SUFFICIENTLY

05
UTILIZE ELECTRO STATIC DISCHARGE (ESD) PAD WITH PROPER
GROUNDING, IF NECESSARY

06
TURN ON SOLDERING IRON

07
INSPECT CIRCUIT BOARD AREA FOR CORROSION

08
DON PERSONAL PROTECTIVE EQUIPMENT/CLOTHING

09
REMOVE CORROSION, IF NECESSARY

10
CLEAN AREA OF DIRT/DEBRIS BY BRUSHING ON ALCOHOL/CFC FREE FLUX
ON AREA TO BE SOLDERED

11
APPLY SOLDER TO TIP, FULLY COVERING TIP

12
WIPE EXCESS SOLDER FROM TIP WITH WET SPONGE

13
WIPE SOLDER IRON ON WET SPONGE PERIODICALLY TO ENSURE CLEAN
TIP

14
PLACE CIRCUIT BOARD IN VICE, IF AVAILABLE

15
INSERT COMPONENT ONTO CIRCUIT BOARD

16
TRIM LEADS, IF NECESSARY

17
PLACE HEAT SINK ON FIRST LEAD TO BE SOLDERED

18
APPLY SMALL AMOUNT OF FLUX TO ONE OF THE LEADS TO ENSURE HEAT
TRANSFER

19
WIPE SOLDER TIP ON WET SPONGE

20
APPLY SMALL AMOUNT OF SOLDER TO SOLDER IRON TIP

21
PLACE SOLDER IRON TIP ON FIRST LEAD OF COMPONENT TO BE SOLDERED

22
APPLY SOLDER TO TIP AND COVER COMPONENT LEAD TO SPECIFICATIONS

23
PLACE HEAT SINK ON NEXT LEAD TO BE SOLDERED

24
PLACE SOLDER IRON TIP ON NEXT LEAD OF COMPONENT TO BE SOLDERED

25
APPLY SOLDER TO TIP AND COVER COMPONENT LEAD TO SPECIFICATIONS
26
CONTINUE PROCEDURE FOR REMAINING LEADS
27
BRUSH OFF REMAINING FLUX/REMAINING SOLVENTS WITH ALCOHOL/CFC
FREE FLUX
28
REMOVE EXCESS SOLDER WITH SOLDER REMOVAL TOOL OR SCRIBE
29
REMOVE CIRCUIT BOARD FROM VICE, IF APPLICABLE
30
INSPECT WORK TO ENSURE PROPER SOLDERING CONNECTIONS
31
RESOLDER, IF NECESSARY
32
TURN OFF SOLDERING IRON
33
DOFF PERSONAL PROTECTIVE EQUIPMENT/CLOTHING
34
CLEAN WORK AREA
35
RETURN EQUIPMENT AND SUPPLIES

SUPPORTING SKILLS/KNOWLEDGE:

S USE SOLDER EQUIPMENT
S USE COMMON HANDTOOLS
S USE VISE/CIRCUIT CARD HOLDER
S USE ELECTRO STATIC DISCHARGE (ESD) PAD
S USE PERSONAL PROTECTIVE EQUIPMENT/CLOTHING
K INTERPRET TECHNICAL DATA
K RECALL SOLDERING PROCEDURES
K RECOGNIZE ELECTRICAL HAZARDS
K APPLY PROPER SAFETY PROCEDURES

TASK ID:

L0602

TASK TITLE:

REMOVE OR REPLACE COMMUNICATIONS CONSOLE DISCRETE COMPONENTS

PUBLICATIONS:

EQUIPMENT TECHNICAL ORDER (T.O.)

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR, MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

PREREQUISITE TASK(S):

J0406, ALIGN OR ADJUST COMMUNICATIONS CONSOLES

J0453, OPERATIONALLY CHECK COMMUNICATIONS CONSOLES

J0482, REMOVE OR REPLACE COMMUNICATIONS CONSOLE LRUS

K0568, SOLDER COMMUNICATIONS EQUIPMENT COMPONENTS, OTHER THAN HIGH RELIABILITY SOLDERING

L0595, PERFORM HIGH-RELIABILITY SOLDERING OF INTEGRATED CIRCUITS

STANDARD:

IAW T.O.

PERFORMANCE RESOURCES:

FLUX

SOLDER

ACID BRUSH

TEST EQUIPMENT

SOLDER STATION

WISE, IF AVAILABLE

COMMON HANDTOOLS

ALCOHOL/CLEANING SOLVENTS

PERSONAL PROTECTIVE EQUIPMENT/CLOTHING

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

AFTO FORM 350, REPAIRABLE ITEM PROCESSING TAG

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

- 01
START MDC/CAMS DOCUMENTATION
- 02
GATHER EQUIPMENT AND SUPPLIES
- 03
GATHER T.O.
- 04
FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD
- 05
COORDINATE WITH USER FOR RELEASE OF LRU
- 06
REMOVE LRU FROM EQUIPMENT
- 07
IMPLEMENT ELECTRO STATIC DISCHARGE (ESD) PROCEDURES WHEN
HANDLING SENSITIVE COMPONENTS, AS APPLICABLE
- 08
PLACE FAULTY LRU IN VISE, IF AVAILABLE
- 09
DON PERSONAL PROTECTIVE EQUIPMENT/CLOTHING
- 10
PERFORM DESOLDERING PROCEDURES TO REMOVE FAULTY DISCRETE
COMPONENT
- 11
PERFORM SOLDERING PROCEDURES TO INSTALL REPLACEMENT DISCRETE
COMPONENT
- 12
DOFF PERSONAL PROTECTIVE EQUIPMENT/CLOTHING
- 13
INSTALL LRU INTO CONSOLE
- 14
SET UP TEST EQUIPMENT
- 15
PERFORM OPERATIONAL CHECK OF CONSOLE
- 16
PERFORM TROUBLESHOOTING PROCEDURES IF MINIMUM PERFORMANCE
STANDARDS ARE NOT MET
- 17
PERFORM ALIGNMENT PROCEDURES, IF NECESSARY
- 18
DISCONNECT TEST EQUIPMENT
- 19
TAG LRU, AS APPROPRIATE
- 20
RETURN EQUIPMENT AND SUPPLIES

21

UPDATE MDC

SUPPORTING SKILLS/KNOWLEDGE:

S USE TEST EQUIPMENT

S USE SOLDER EQUIPMENT

S USE COMMON HANDTOOLS

S USE PERSONAL PROTECTIVE EQUIPMENT/CLOTHING

S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

K INTERPRET MEASUREMENTS

K INTERPRET TECHNICAL DATA

K INTERPRET CHARTS/DIAGRAMS

K RECOGNIZE CHEMICAL HAZARDS

K ANNOTATE APPROPRIATE FORM(S)

K RECOGNIZE ELECTRICAL HAZARDS

K APPLY PROPER SAFETY PROCEDURES

K RECALL TROUBLESHOOTING PROCEDURES

TASK ID:

L0609

TASK TITLE:

REMOVE OR REPLACE HF EQUIPMENT DISCRETE COMPONENTS

PUBLICATIONS:

EQUIPMENT TECHNICAL ORDER (T.O.)

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR, MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

PREREQUISITE TASK(S):

I0372, OPERATIONALLY CHECK HF EQUIPMENT

K0505, ALIGN FM EQUIPMENT OR SUBASSEMBLIES

K0557, REMOVE OR REPLACE HF EQUIPMENT SUBASSEMBLIES

K0568, SOLDER COMMUNICATIONS EQUIPMENT COMPONENTS, OTHER THAN HIGH RELIABILITY SOLDERING

L0595, PERFORM HIGH-RELIABILITY SOLDERING OF INTEGRATED CIRCUITS

STANDARD:

IAW T.O.

PERFORMANCE RESOURCES:

FLUX

SOLDER

ACID BRUSH

TEST EQUIPMENT

SOLDER STATION

VICE, IF AVAILABLE

COMMON HANDTOOLS

ALCOHOL/CLEANING SOLVENTS

PERSONAL PROTECTIVE EQUIPMENT/CLOTHING

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

AFTO FORM 350, REPAIRABLE ITEM PROCESSING TAG
CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

- 01
START MDC/CAMS DOCUMENTATION
- 02
GATHER EQUIPMENT AND SUPPLIES
- 03
GATHER T.O.
- 04
FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD
- 05
ENSURE POWER IS OFF FOR EQUIPMENT UNDER REPAIR
- 06
IMPLEMENT ELECTRO STATIC DISCHARGE (ESD) PROCEDURES WHEN
HANDLING SENSITIVE COMPONENTS, AS APPLICABLE
- 07
REMOVE APPROPRIATE COVER
- 08
REMOVE FAULTY LRU
- 09
PLACE FAULTY LRU IN VICE, IF AVAILABLE
- 10
DON PERSONAL PROTECTIVE EQUIPMENT/CLOTHING
- 11
PERFORM DESOLDERING PROCEDURES TO REMOVE FAULTY DISCRETE
COMPONENT
- 12
PERFORM SOLDERING PROCEDURES TO INSTALL REPLACEMENT DISCRETE
COMPONENT
- 13
DOFF PERSONAL PROTECTIVE EQUIPMENT/CLOTHING
- 14
INSTALL LRU INTO RADIO
- 15
SET UP TEST EQUIPMENT
- 16
PERFORM OPERATIONAL CHECK OF RADIO
- 17
PERFORM TROUBLESHOOTING PROCEDURES IF MINIMUM PERFORMANCE
STANDARDS ARE NOT MET

18
PERFORM ALIGNMENT PROCEDURES, IF NECESSARY
19
DISCONNECT TEST EQUIPMENT
20
REPLACE COVER
21
TAG LRU, AS APPROPRIATE
22
RETURN EQUIPMENT AND SUPPLIES
23
UPDATE MDC

SUPPORTING SKILLS/KNOWLEDGE:

S USE TEST EQUIPMENT
S USE SOLDER EQUIPMENT
S USE COMMON HANDTOOLS
S USE PERSONAL PROTECTIVE EQUIPMENT/CLOTHING
S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER
K INTERPRET MEASUREMENTS
K INTERPRET TECHNICAL DATA
K INTERPRET CHARTS/DIAGRAMS
K RECOGNIZE CHEMICAL HAZARDS
K ANNOTATE APPROPRIATE FORM(S)
K RECOGNIZE ELECTRICAL HAZARDS
K APPLY PROPER SAFETY PROCEDURES
K RECALL TROUBLESHOOTING PROCEDURES

TASK ID:

L0611

TASK TITLE:

REMOVE OR REPLACE UHF OR VHF EQUIPMENT DISCRETE COMPONENTS

PUBLICATIONS:

EQUIPMENT TECHNICAL ORDER (T.O.)

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

PREREQUISITE TASK(S):

I0374, OPERATIONALLY CHECK UHF OR VHF EQUIPMENT

K0507, ALIGN UHF OR VHF EQUIPMENT OR SUBASSEMBLIES

K0559, REMOVE OR REPLACE UHF OR VHF EQUIPMENT SUBASSEMBLIES

K0568, SOLDER COMMUNICATIONS EQUIPMENT COMPONENTS, OTHER
THAN HIGH RELIABILITY SOLDERING

L0595, PERFORM HIGH-RELIABILITY SOLDERING OF INTEGRATED CIRCUITS

STANDARD:

IAW T.O.

PERFORMANCE RESOURCES:

FLUX

SOLDER

ACID BRUSH

TEST EQUIPMENT

SOLDER STATION

WISE, IF AVAILABLE

COMMON HANDTOOLS

ALCOHOL/CLEANING SOLVENTS

PERSONAL PROTECTIVE EQUIPMENT/CLOTHING

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

AFTO FORM 350, REPAIRABLE ITEM PROCESSING TAG

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

- 01
START MDC/CAMS DOCUMENTATION
- 02
GATHER EQUIPMENT AND SUPPLIES
- 03
GATHER T.O.
- 04
FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD
- 05
ENSURE POWER IS OFF ON EQUIPMENT UNDER REPAIR
- 06
IMPLEMENT ELECTRO STATIC DISCHARGE (ESD) PROCEDURES WHEN
HANDLING SENSITIVE COMPONENTS, AS APPLICABLE
- 07
REMOVE APPROPRIATE COVER
- 08
REMOVE FAULTY LRU
- 09
PLACE FAULTY LRU IN VICE, IF AVAILABLE
- 10
DON PERSONAL PROTECTIVE EQUIPMENT/CLOTHING
- 11
PERFORM DESOLDERING PROCEDURES TO REMOVE FAULTY DISCRETE
COMPONENT
- 12
PERFORM SOLDERING PROCEDURES TO INSTALL REPLACEMENT DISCRETE
COMPONENT
- 13
DOFF PERSONAL PROTECTIVE EQUIPMENT/CLOTHING
- 14
INSTALL LRU INTO RADIO
- 15
SET UP TEST EQUIPMENT
- 16
PERFORM OPERATIONAL CHECK OF RADIO
- 17
PERFORM TROUBLESHOOTING PROCEDURES IF MINIMUM PERFORMANCE
STANDARDS ARE NOT MET
- 18
PERFORM ALIGNMENT PROCEDURES, IF NECESSARY
- 19
DISCONNECT TEST EQUIPMENT

20

REPLACE COVER

21

TAG LRU, AS APPROPRIATE

22

RETURN EQUIPMENT AND SUPPLIES

23

UPDATE MDC

SUPPORTING SKILLS/KNOWLEDGE:

S USE TEST EQUIPMENT

S USE SOLDER EQUIPMENT

S USE COMMON HANDTOOLS

S USE PERSONAL PROTECTIVE EQUIPMENT/CLOTHING

S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

K INTERPRET MEASUREMENTS

K INTERPRET TECHNICAL DATA

K INTERPRET CHARTS/DIAGRAMS

K RECOGNIZE CHEMICAL HAZARDS

K ANNOTATE APPROPRIATE FORM(S)

K RECOGNIZE ELECTRICAL HAZARDS

K APPLY PROPER SAFETY PROCEDURES

K RECALL TROUBLESHOOTING PROCEDURES

TASK ID:

L0619

TASK TITLE:

REMOVE OR REPLACE RECORDER-REPRODUCER DISCRETE COMPONENTS

PUBLICATIONS:

EQUIPMENT TECHNICAL ORDER (T.O.)

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

PREREQUISITE TASK(S):

J0411, ALIGN OR ADJUST RECORDER-REPRODUCERS

J0437, ISOLATE MALFUNCTIONS WITHIN RECORDER-REPRODUCERS TO
LRUS

J0465, OPERATIONALLY CHECK RECORDER-REPRODUCERS

J0493, REMOVE OR REPLACE RECORDER-REPRODUCER LRUS

K0568, SOLDER COMMUNICATIONS EQUIPMENT COMPONENTS, OTHER
THAN HIGH RELIABILITY SOLDERING

STANDARD:

IAW T.O.

PERFORMANCE RESOURCES:

FLUX

SOLDER

ACID BRUSH

COTTON SWABS

SOLDER STATION

TEST EQUIPMENT

LINT-FREE CLOTH

HEAD DEGAUSSER

WISE, IF AVAILABLE

COMMON HANDTOOLS

DENATURED ALCOHOL

ALCOHOL/CLEANING SOLVENTS

PERSONAL PROTECTIVE EQUIPMENT/CLOTHING
AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD
CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

- 01
START MDC/CAMS DOCUMENTATION
- 02
GATHER EQUIPMENT AND SUPPLIES
- 03
GATHER T.O.
- 04
FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD
- 05
COORDINATE WITH USER FOR RELEASE OF EQUIPMENT
- 06
TURN OFF AND/OR DISCONNECT POWER FROM EQUIPMENT
- 07
REMOVE APPROPRIATE PANEL TO ACCESS CARD
- 08
REMOVE LRU FROM EQUIPMENT
- 09
IMPLEMENT ELECTRO STATIC DISCHARGE (ESD) PROCEDURES WHEN
HANDLING SENSITIVE COMPONENTS, AS APPLICABLE
- 10
PLACE FAULTY LRU IN VICE, IF AVAILABLE
- 11
DON PERSONAL PROTECTIVE EQUIPMENT/CLOTHING
- 12
PERFORM DESOLDERING PROCEDURES TO REMOVE FAULTY DISCRETE
COMPONENT
- 13
PERFORM SOLDERING PROCEDURES TO INSTALL REPLACEMENT DISCRETE
COMPONENT
- 14
DOFF PERSONAL PROTECTIVE EQUIPMENT/CLOTHING
- 15
INSTALL LRU INTO EQUIPMENT
- 16
INSTALL PANEL INTO ORIGINAL LOCATION
- 17
SET UP TEST EQUIPMENT
- 18
CLEAN RECORDER-REPRODUCER HEADS

19
DEGAUSS RECORDER-REPRODUCER HEADS
20
APPLY POWER
21
PERFORM OPERATIONAL CHECK OF EQUIPMENT
22
PERFORM TROUBLESHOOTING PROCEDURES IF MINIMUM PERFORMANCE
STANDARDS ARE NOT MET
23
PERFORM ALIGNMENT PROCEDURES, IF NECESSARY
24
DISCONNECT TEST EQUIPMENT
25
TAG LRU, AS APPROPRIATE
26
RETURN EQUIPMENT AND SUPPLIES
27
UPDATE MDC

SUPPORTING SKILLS/KNOWLEDGE:

S USE TEST EQUIPMENT
S USE SOLDER EQUIPMENT
S USE COMMON HANDTOOLS
S USE PERSONAL PROTECTIVE EQUIPMENT/CLOTHING
S CLEAN AND DEGAUSS RECORDER-REPRODUCER HEADS
S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER
K INTERPRET MEASUREMENTS
K INTERPRET TECHNICAL DATA
K INTERPRET CHARTS/DIAGRAMS
K RECOGNIZE CHEMICAL HAZARDS
K ANNOTATE APPROPRIATE FORM(S)
K RECOGNIZE ELECTRICAL HAZARDS
K APPLY PROPER SAFETY PROCEDURES
K RECALL TROUBLESHOOTING PROCEDURES

TASK ID:

O0696

TASK TITLE:

ALIGN OR ADJUST PUBLIC ADDRESS (PA) SYSTEMS

PUBLICATIONS:

COMMERCIAL MANUAL

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

PREREQUISITE TASK(S):

O0706, OPERATE PA SYSTEMS

O0707, OPERATIONALLY CHECK PA SYSTEMS

STANDARD:

IAW T.O./COMMERCIAL MANUAL

PERFORMANCE RESOURCES:

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

01

START MDC/CAMS, IF APPLICABLE

02

GATHER EQUIPMENT AND SUPPLIES

03

GATHER COMMERCIAL MANUAL/T.O.

04

FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD

05

ADJUST CONTROLS FOR DESIRED SOUND LEVEL IAW COMMERCIAL
MANUAL

06

ENSURE NO FEEDBACK OCCURS

07

RETURN EQUIPMENT AND SUPPLIES

08

UPDATE MDC, IF APPLICABLE

SUPPORTING SKILLS/KNOWLEDGE:

S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

K RECALL ALIGNMENT PROCEDURES

K ANNOTATE APPROPRIATE FORM(S)

K APPLY PROPER SAFETY PROCEDURES

TASK ID:

O0697

TASK TITLE:

BENCH CHECK PA SYSTEM COMPONENTS

PUBLICATIONS:

COMMERCIAL MANUAL

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

STANDARD:

IAW T.O./COMMERCIAL MANUAL

PERFORMANCE RESOURCES:

TEST EQUIPMENT

COMMON HANDTOOLS

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

01

START MDC/CAMS, IF APPLICABLE

02

GATHER EQUIPMENT AND SUPPLIES

03

GATHER COMMERCIAL MANUAL/T.O.

04

FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD

05

DISCONNECT INTERCONNECTING CABLES, IF APPLICABLE

06

REMOVE END ITEM FROM RACK, IF APPLICABLE

07
PLACE END ITEM ON WORK BENCH
08
SET UP TEST EQUIPMENT
09
ENSURE MINIMUM OPERATING STANDARDS ARE MET
10
PERFORM TROUBLESHOOTING PROCEDURES TO ISOLATE FAULTY
COMPONENT IF MINIMUM STANDARDS ARE NOT MET
11
ORDER REPLACEMENT COMPONENT, IF APPLICABLE
11
RETURN EQUIPMENT AND SUPPLIES
12
UPDATE MDC, IF APPLICABLE

SUPPORTING SKILLS/KNOWLEDGE:

S USE TEST EQUIPMENT
S USE COMMON HANDTOOLS
S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER
K INTERPRET MEASUREMENTS
K INTERPRET TECHNICAL DATA
K ANNOTATE APPROPRIATE FORM(S)
K APPLY PROPER SAFETY PROCEDURES
K RECALL TROUBLESHOOTING PROCEDURES

TASK ID:

00699

TASK TITLE:

CONDUCT LOCATION SURVEYS FOR PA SYSTEMS

PUBLICATIONS:

COMMERCIAL MANUAL

TEAM TASK INFORMATION:

N

STANDARD:

LAW COMMERCIAL MANUAL

PERFORMANCE RESOURCES:

NONE

SUBTASK ID/STATEMENT:

01

RECEIVE REQUEST FOR PA SUPPORT

02

RESEARCH LOCATION

03

ENSURE POWER SOURCE IS AVAILABLE

04

NOTIFY USER IF REQUIRED EQUIPMENT IS NOT ON HAND

05

DOCUMENT SPECIFIC EQUIPMENT NEEDED FOR SET-UP

SUPPORTING SKILLS/KNOWLEDGE:

S OPERATE MOTOR VEHICLE

K ANNOTATE APPROPRIATE FORM(S)

TASK ID:

O0701

TASK TITLE:

COORDINATE SUPPORT REQUESTS FOR PA SYSTEMS WITH APPROPRIATE AGENCIES

TEAM TASK INFORMATION:

N

STANDARD:

WITHOUT ERROR

PERFORMANCE RESOURCES:

NONE

SUBTASK ID/STATEMENT:

01

RECEIVE REQUEST FOR PA SUPPORT

02

GATHER SUPPLIES

03

COORDINATE WITH POWER PRODUCTION FOR SUPPORT, IF NEEDED

04

CONFIRM OBLIGATION OF POWER PRODUCTION SUPPORT PRIOR TO EVENT

SUPPORTING SKILLS/KNOWLEDGE:

K ANNOTATE APPROPRIATE FORM(S)

TASK ID:

O0702

TASK TITLE:

FABRICATE AUDIO CABLES FOR PA SYSTEMS

PUBLICATIONS:

COMMERCIAL MANUAL

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

N

PREREQUISITE TASK(S):

K0568, SOLDER COMMUNICATIONS EQUIPMENT COMPONENTS, OTHER
THAN HIGH RELIABILITY SOLDERING

STANDARD:

IAW T.O./COMMERCIAL MANUAL

PERFORMANCE RESOURCES:

WISE

FLUX

CABLE

SOLDER

OHMMETER

CONNECTORS

SOLDER STATION

COMMON HANDTOOLS

PERSONAL PROTECTIVE EQUIPMENT/CLOTHING

SUBTASK ID/STATEMENT:

01

START MDC/CAMS DOCUMENTATION, IF APPLICABLE

02

GATHER EQUIPMENT AND SUPPLIES

03
GATHER T.O./COMMERCIAL MANUAL
04
FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD
05
CUT BACK SHEATHING
06
SLIDE COVER/INSULATOR ONTO CABLE, IF APPLICABLE
07
REMOVE INSULATION FROM WIRES, PER INSTRUCTIONS ON CONNECTOR
PACKAGE, IF APPLICABLE
08
PLACE CABLE IN VISE, IF AVAILABLE
09
DON PERSONAL PROTECTIVE EQUIPMENT/CLOTHING
10
TIN WIRES
11
TIN CONNECTOR CUPS
12
SOLDER WIRES TO APPROPRIATE CUPS/TERMINAL
13
DOFF PERSONAL PROTECTIVE EQUIPMENT/CLOTHING
14
ASSEMBLE CONNECTOR COVER
15
PERFORM CONTINUITY CHECK
16
RETURN EQUIPMENT AND SUPPLIES
17
UPDATE MDC, IF APPLICABLE

SUPPORTING SKILLS/KNOWLEDGE:

S USE OHMMETER
S USE COMMON HANDTOOLS
S USE SOLDERING EQUIPMENT
S USE PERSONAL PROTECTIVE EQUIPMENT/CLOTHING
S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER
K INTERPRET INSTRUCTIONS
K ANNOTATE APPROPRIATE FORM(S)
K APPLY PROPER SAFETY PROCEDURES

TASK ID:

O0703

TASK TITLE:

INSTALL FIXED PA SYSTEMS

PUBLICATIONS:

COMMERCIAL MANUAL

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

STANDARD:

IAW T.O./COMMERCIAL MANUAL

PERFORMANCE RESOURCES:

TONER

FLOOR PLAN

MULTIMETER

TELEPHONE TEST SET

COMMON HANDTOOLS

PERSONAL PROTECTIVE EQUIPMENT/CLOTHING

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

01

START MDC/CAMS DOCUMENTATION, IF APPLICABLE

02

GATHER EQUIPMENT AND SUPPLIES

03

GATHER COMMERCIAL MANUAL

04

FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD

- 05
DON PERSONAL PROTECTIVE EQUIPMENT/CLOTHING
- 06
INSTALL AMPLIFIER IN SELECTED LOCATION
- 07
INSTALL SPEAKER CABLE IN AN INCONSPICUOUS LOCATION
- 08
ENSURE CORRECT POLARITY USING TONER AND TELEPHONE TEST SET
- 09
LABEL POLARITY ON CABLES
- 10
ATTACH SPEAKERS TO SPEAKER CABLE
- 11
ENSURE PROPER POLARITY ON SPEAKERS THROUGHOUT SYSTEM
- 12
ENSURE TOTAL SPEAKER WATTAGE DOESN'T EXCEED AMPLIFIER POWER
OUT
- 13
ATTACH SPEAKERS TO AMPLIFIER OUTPUT
- 14
ATTACH SOURCE OF COMMUNICATION TO AMPLIFIER INPUT
- 15
DOFF PERSONAL PROTECTIVE EQUIPMENT/CLOTHING
- 16
RETURN EQUIPMENT AND SUPPLIES
- 17
UPDATE MDC, IF APPLICABLE

SUPPORTING SKILLS/KNOWLEDGE:

- S USE TEST EQUIPMENT
- S USE COMMON HANDTOOLS
- S USE PERSONAL PROTECTIVE EQUIPMENT/CLOTHING
- S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER
- K INTERPRET TECHNICAL DATA
- K ANNOTATE APPROPRIATE FORM(S)
- K RECOGNIZE ELECTRICAL HAZARDS
- K APPLY PROPER SAFETY PROCEDURES

TASK ID:

O0704

TASK TITLE:

ISOLATE MALFUNCTIONS WITHIN PA SYSTEMS TO LRUS

PUBLICATIONS:

COMMERCIAL MANUAL

LOCAL OPERATING PROCEDURES

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

PREREQUISITE TASK(S):

O0706, OPERATE PA SYSTEMS

O0707, OPERATIONALLY CHECK PA SYSTEMS

O0710, REMOVE OR REPLACE PA SYSTEM LRUS

STANDARD:

IAW T.O./COMMERCIAL MANUAL/LOCAL OPERATING PROCEDURES

PERFORMANCE RESOURCES:

TEST EQUIPMENT

CONDITION TAGS

COMMON HANDTOOLS

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

01

START MDC/CAMS DOCUMENTATION, IF APPLICABLE

02

GATHER EQUIPMENT AND SUPPLIES

03

GATHER T.O./COMMERCIAL MANUAL/LOCAL PROCEDURES GUIDANCE

04
APPLY POWER TO EQUIPMENT
05
SET UP TEST EQUIPMENT, IF NECESSARY
06
PERFORM TROUBLESHOOTING PROCEDURES TO ISOLATE MALFUNCTION
07
DISCONNECT TEST EQUIPMENT
08
TAG LRU, AS APPROPRIATE
09
RETURN EQUIPMENT AND SUPPLIES
10
UPDATE MDC, IF APPLICABLE

SUPPORTING SKILLS/KNOWLEDGE:

S USE TEST EQUIPMENT
S USE COMMON HANDTOOLS
S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER
K ANNOTATE APPROPRIATE FORM(S)
K RECOGNIZE ELECTRICAL HAZARDS
K RECALL TROUBLESHOOTING PROCEDURES

TASK ID:

00706

TASK TITLE:

OPERATE PA SYSTEMS

PUBLICATIONS:

COMMERCIAL MANUAL

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

PREREQUISITE TASK(S):

00712, SET UP OR TEAR DOWN PORTABLE PA SYSTEMS

STANDARD:

IAW T.O./COMMERCIAL MANUAL

PERFORMANCE RESOURCES:

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

01

START MDC/CAMS DOCUMENTATION, IF APPLICABLE

02

GATHER COMMERCIAL MANUAL

03

FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD

04

TURN ON POWER SWITCHES

05

ENSURE "ON" INDICATOR INDICATES IT'S ON

06

SET MICROPHONE (MIC) ADJUSTMENTS FOR FULL ATTENUATION

07

TURN POWER AMPLIFIER OUTPUT TO MAXIMUM LEVEL

08

INSTRUCT AN INDIVIDUAL TO SPEAK INTO MIC

09

INSTRUCT ANOTHER INDIVIDUAL TO ADJUST MIC INPUT

10

LISTEN TO ENSURE SUFFICIENT VOLUME IS COMING OUT OF SPEAKER

11

REFER TO COMMERCIAL MANUAL IF INOPERATIVE

12

RETURN COMMERCIAL MANUAL

13

UPDATE MDC, IF APPLICABLE

SUPPORTING SKILLS/KNOWLEDGE:

S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

K INTERPRET TECHNICAL DATA

K ANNOTATE APPROPRIATE FORM(S)

K APPLY PROPER SAFETY PROCEDURES

TASK ID:

O0707

TASK TITLE:

OPERATIONALLY CHECK PA SYSTEMS

PUBLICATIONS:

COMMERCIAL MANUAL

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

PREREQUISITE TASK(S):

O0712, SET UP OR TEAR DOWN PORTABLE PA SYSTEMS

STANDARD:

IAW T.O./COMMERCIAL MANUAL

PERFORMANCE RESOURCES:

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

01

START MDC/CAMS DOCUMENTATION, IF APPLICABLE

02

GATHER COMMERCIAL MANUAL

03

FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD

04

TURN ON POWER SWITCHES

05

ENSURE "ON" INDICATOR INDICATES EQUIPMENT IS OPERATIONAL

06

SET MICROPHONE (MIC) ADJUSTMENTS FOR FULL ATTENUATION

07

TURN POWER AMPLIFIER OUTPUT TO MAXIMUM LEVEL

08

INSTRUCT AN INDIVIDUAL TO SPEAK INTO MIC

09

INSTRUCT ANOTHER INDIVIDUAL TO ADJUST MIC INPUT

10

LISTEN TO ENSURE SUFFICIENT VOLUME IS COMING OUT OF THE SPEAKER

11

REFER TO COMMERCIAL MANUAL IF INOPERATIVE

12

RETURN COMMERCIAL MANUAL

13

UPDATE MDC, IF APPLICABLE

SUPPORTING SKILLS/KNOWLEDGE:

S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

K INTERPRET TECHNICAL DATA

K ANNOTATE APPROPRIATE FORM(S)

K APPLY PROPER SAFETY PROCEDURES

TASK ID:

O0709

TASK TITLE:

REMOVE OR REPLACE PA SYSTEM DISCRETE COMPONENTS

PUBLICATIONS:

COMMERCIAL MANUAL

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

PREREQUISITE TASK(S):

K0568, SOLDER COMMUNICATIONS EQUIPMENT COMPONENTS, OTHER
THAN HIGH RELIABILITY SOLDERING

STANDARD:

IAW T.O./COMMERCIAL MANUAL

PERFORMANCE RESOURCES:

FLUX

SOLDER

SOLDER STATION

COMMON HANDTOOLS

PERSONAL PROTECTIVE EQUIPMENT/CLOTHING

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

01

START MDC/CAMS DOCUMENTATION IF APPLICABLE

02

GATHER EQUIPMENT AND SUPPLIES

03

GATHER T.O./COMMERCIAL MANUAL

04

FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD

05
DISASSEMBLE END ITEM
06
LOCATE DISCRETE COMPONENT
07
DON PERSONAL PROTECTIVE EQUIPMENT/CLOTHING
08
PERFORM DESOLDERING PROCEDURES TO REMOVE FAULTY COMPONENT
09
PERFORM SOLDERING PROCEDURES TO REPLACE COMPONENT
10
DOFF PERSONAL PROTECTIVE EQUIPMENT/CLOTHING
11
REASSEMBLE END ITEM
12
PERFORM OPERATIONAL CHECK OF EQUIPMENT
13
RETURN EQUIPMENT AND SUPPLIES
14
UPDATE MDC, IF APPLICABLE

SUPPORTING SKILLS/KNOWLWDGE:

S USE SOLDER EQUIPMENT
S USE COMMON HANDTOOLS
S USE PERSONAL PROTECTIVE EQUIPMENT/CLOTHING
S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER
K INTERPRET TECHNICAL DATA
K ANNOTATE APPROPRIATE FORM(S)
K APPLY PROPER SAFETY PROCEDURES

TASK ID:

00710

TASK TITLE:

REMOVE OR REPLACE PA SYSTEM LRUS

PUBLICATIONS:

COMMERCIAL MANUAL

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

PREREQUISITE TASK(S):

00706, OPERATE PA SYSTEMS

00707, OPERATIONALLY CHECK PA SYSTEMS

STANDARD:

IAW T.O./COMMERCIAL MANUAL

PERFORMANCE RESOURCES:

COMMON HANDTOOLS

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

01

START MDC/CAMS DOCUMENTATION, IF APPLICABLE

02

GATHER EQUIPMENT AND SUPPLIES

03

GATHER T.O./COMMERCIAL MANUAL

04

FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD

05

TURN OFF AND/OR DISCONNECT POWER FROM EQUIPMENT

06

DISCONNECT INTERCONNECTING CABLES

07

REMOVE MOUNTING SCREWS, IF APPLICABLE

08

REMOVE LRU

09

REPLACE NEW LRU

10

REPLACE MOUNTING SCREWS, IF APPLICABLE

11

CONNECT INTERCONNECTING CABLES

12

APPLY POWER

13

PERFORM OPERATIONAL CHECK OF EQUIPMENT

14

UPDATE MDC, IF APPLICABLE

SUPPORTING SKILLS/KNOWLEDGE:

S USE COMMON HANDTOOLS

S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

K ANNOTATE APPROPRIATE FORM(S)

K APPLY PROPER SAFETY PROCEDURES

TASK ID:

O0712

TASK TITLE:

SET UP OR TEAR DOWN PORTABLE PA SYSTEMS

PUBLICATIONS:

COMMERCIAL MANUAL

T.O. 00-20-2, MAINTENANCE DATA COLLECTION (MDC)

T.O. 00-25-234, GENERAL SHOP PRACTICE REQUIREMENTS FOR REPAIR,
MAINTENANCE, AND TEST OF ELECTRICAL EQUIPMENT

T.O. 31-1-75, GENERAL MAINTENANCE PRACTICES

T.O. 31-1-141-1, GENERAL TESTING INFORMATION AND SAFETY
PRECAUTIONS

AFOSH STD 91-50, COMMUNICATIONS, CABLE, ANTENNA, AND
COMMUNICATIONS-ELECTRONICS (CE) SYSTEMS

TEAM TASK INFORMATION:

Y

PREREQUISITE TASK(S):

O0706, OPERATE PA SYSTEMS

O0707, OPERATIONALLY CHECK PA SYSTEMS

STANDARD:

IAW T.O./COMMERCIAL MANUAL

PERFORMANCE RESOURCES:

DUCT TAPE

EXTENSION CORD

COMMON HANDTOOLS

AFTO FORM 349, MAINTENANCE DATA COLLECTION RECORD

CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER

SUBTASK ID/STATEMENT:

01

START MDC/CAMS DOCUMENTATION, IF APPLICABLE

02

GATHER EQUIPMENT AND SUPPLIES

03

GATHER COMMERCIAL MANUAL

04

FOLLOW GUIDANCE IN APPLICABLE AFOSH STANDARD

05
POSITION SPEAKERS IN PLACE
06
POSITION MICROPHONE(S) (MICS) IN PLACE
07
POSITION AMPLIFIER/RACK IN PLACE
08
LAY OUT SPEAKER CABLE FROM RACK TO SPEAKER
09
LAY OUT MIC CABLE FROM MIC TO RACK, IF APPLICABLE
10
LAY OUT EXTENSION CORD FROM OUTLET TO RACK, IF NECESSARY
11
CONNECT ALL CABLES TO APPROPRIATE EQUIPMENT
12
TAPE DOWN CABLES IN HIGH TRAFFIC AREAS
13
APPLY POWER
14
PERFORM OPERATIONAL CHECK OF EQUIPMENT
15
REMOVE POWER TO TEAR DOWN
16
REMOVE DUCT TAPE FROM CABLES
17
DISCONNECT ALL CABLES
18
GATHER EQUIPMENT
19
RETURN EQUIPMENT AND SUPPLIES
20
UPDATE MDC, IF APPLICABLE

SUPPORTING SKILLS/KNOWLEDGE:

S USE COMMON HANDTOOLS
S USE CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) COMPUTER
K INTERPRET TECHNICAL DATA
K ANNOTATE APPROPRIATE FORM(S)
K APPLY PROPER SAFETY PROCEDURES
K RECOGNIZE ELECTRICAL HAZARDS

DISTRIBUTION

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QUANTICO VA 22134-5029

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200 STOVALL RM 3N17
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1550 5TH STREET EAST
RANDOLPH AFB, TX 78150-4449

AF OMS/OMYXL
1550 5TH STREET EAST
RANDOLPH AFB, TX 78150-4449

338 TTS/TTOT
809 HERCULES ST SUITE 101
KEESLER AFB, MS 39534-2032

81 TTG/CCVT
825 HERCULES ST SUITE 101
KEESLER AFB, MS 39534-2032

12 CS/SCMAG (5)
151 J ST EAST SUITE 100
RANDOLPH AFB, TX 78150-4342

12 CS/SCMS (2)
151 J ST EAST SUITE 100
RANDOLPH AFB, TX 78150-4342

37 CS/SCMG
1530 MAXWELL ST
LACKLAND AFB, TX 78236

76 CS/SCMMR
2213 BONG AVE
LACKLAND AFB, TX 78236

38 EIS/DRW (3)
BLDG 4027 HILL TOP RD SUITE 109
TINKER AFB, OK 73145-2713

3 CCG/CC (4)
5385 PATROL RD SUITE 102
TINKER AFB, OK 73145-8600