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CFETP 2A0X1X
Parts I and II
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# AFSC 2A0X1X

# AVIONICS BACKSHOP TEST STATION AND COMPONENTS / ELECTRONIC WARFARE SYSTEMS

# CAREER FIELD EDUCATION AND TRAINING PLAN

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# CAREER FIELD EDUCATION AND TRAINING PLAN
# AVIONICS BACKSHOP TEST STATION AND COMPONENTS / ELECTRONIC WARFARE SYSTEMS
# AFSC 2A0X1X

## PART I

### *Preface*

**1.** This Career Field Education and Training Plan (CFETP) is a comprehensive education and training document that identifies life-cycle education and training requirements, training support resources, and minimum core task requirements for 2A0X1X, Avionics Backshop Test Station and Components/Electronic Warfare Systems specialty. The CFETP will provide personnel a clear career path to success and instill rigor inall aspects of career field training. This CFETP was developed in accordance with the requirements in DAFI 36-2670, *Total Force Development*. This CFETP supersedes the 2A0X1X (5 Oct 17; Chg 1, 22 Jan 19) CFETP. The official CFETP can be found at the AirForce E-Publishing website. This CFETP does not apply to the United States Space Force.

**NOTE:** Civilians occupying associated positions will use Part II to support duty position qualification training.

2.1. Part I provides information necessary for overall management of the specialty. Section A explains how everyone will use the plan. Section B identifies career field progression information, duties and responsibilities, training strategies, and career field path. Section C associates each level with specialty qualifications (knowledge, education, training, and other). Section D indicates resource constraints to accomplishing this plan, such as funds, manpower, equipment, and facilities. Section E identifies transition training guide requirements to support career field restructures.

2.2. Part II includes the following: Section A contains the course objective list and training standards supervisors will use to determine if Airmen have satisfied training requirements. Section B identifies available support materials, such as Qualification Training Package (QTP) which may be developed to support proficiency training. Section C identifies a training course index that supervisors can use to determine if resources are available to support training. Included here are both mandatory and optional courses. Section D identifies major command (MAJCOM) unique training requirements supervisors can use to determine additional training required for the associated qualification needs. Section E identifies the Specialty Training Standard (STS) and includes duties, tasks, technical references to support training, Air Education and Training Command (AETC) conducted training, wartime course/core task, and correspondence course requirements. At unit level, supervisors and trainers will use Part II to identify, plan, and conduct training commensurate with the overall goals of this plan.

3. Using guidance provided in the CFETP will ensure individuals in this specialty receive effective and efficient training at the appropriate point in their career. This plan will enable us to train today’s work force for tomorrow’s jobs.

**ABBREVIATIONS/TERMS EXPLAINED**

**Advanced Training:** Formal course, which provides individuals who are qualified in their Air Force Specialty (AFS) with additional skills and/or knowledge to enhance their expertise in the career field. Training is for selected career airmen at the advanced level of an AFS.

**Air Force Job Qualification Standard (AFJQS):** A comprehensive task list that describes a particular job type or duty position. Supervisors use the AFJQS to document task qualifications. The AFJQS tasks are common to all persons serving in the described duty position.

**Career Field Education and Training Plan (CFETP):** A CFETP is a comprehensive, multipurpose document covering the entire spectrum of education and training for a career field. It outlines a logical growth plan that includes training resources and is designed to make career field training identifiable, eliminate duplication, and ensure this training is budget defensible.

**Certification:** A formal indication of an individual's ability to perform a task to required standards.

**Certification Official:** A person authorized by appropriate commander to determine an individual's ability to perform a task to required standards.

**Continuation Training:** Additional training that exceeds minimum upgrade requirements and has an emphasis on present or future duty assignments.

**Contract Training.** Training that receives the same priority funding as Air Force directed training. It supports initial groups of instructors, operators, etc., that the Air Force requires for new or modified weapon systems.

**Core Task:** Tasks that the Air Force Career Field Manager (AFCFM) identifies as minimum qualification requirements within an Air Force Specialty (AFS).

**Course Training Standard (CTS):** A formal course document that identifies in broad terms the training individuals will receive in a specific course.

**Enlisted Specialty Training (EST):** A mix of formal AETC training and On-the-Job Training (OJT) designed to qualify and upgrade Airmen in each skill level of a specialty.

**Exportable Training:** Additional training via computer assisted, paper text, interactive video or other necessary means to supplement training.

**Field Technical Training (Type 4):** Special or regular on-site training conducted by a Training Detachment (TD) or by a Mobile Training Team (MTT).

**Go/No Go Level:** In On-the-Job Training (OJT), the stage at which individual has gained enough skill, knowledge, and experience to either be qualified to perform identified task without assistance or cannot perform task without assistance.

**Initial Skills Training:** A formal school course that results in the award of a 3-skill level Air Force Specialty Code (AFSC).

**Integrated Maintenance Information System (IMIS):** The objective of IMIS is to give maintenance technicians a very small size portable computer/display that will interface with on-aircraft systems and other computer systems to provide a single, integrated source of the information needed to perform maintenance on the line and in the shop.

**Instructional System Development (ISD):** A deliberate and orderly process for developing, validating, and reviewing instructional programs that ensures personnel are taught the knowledge and skills essential for successful job performance.

**MAJCOM Mandatory Course Listing (MMCL):** Identifies mandatory maintenance training requirements for initial technical school graduates, retrainees, and personnel with no experience on assigned mission design series (MDS) aircraft. It also ensures maintenance personnel receive training commensurate to their current duty position.

**Mission Design Series (MDS):** Aircraft (i.e., A-10, F-16, C-130).

**Mobile Training Team (MTT):** Instructors, trainers, training aids, and operational equipment that formal schools send to bases or operating locations used to perform formal training.

**Occupational Analysis Report (OAR):** A detailed report showing the results of an occupational survey of tasks performed within a particular Air Force Specialty (AFS).

**On-the-Job Training (OJT):** Hands-on, over-the-shoulder training at the duty location used to certify personnel for both skill level upgrade and duty position qualification.

**Plan of Instruction (POI):** An AETC course document used for course planning, organization, operation, and validation. It provides course objectives, level of training provided, planned times, sequence of instruction, required resources, and specifies how course objectives are measured.

**Position Qualification Training:** Training designed to qualify an Airman in a specific position and is accomplished after upgrade training.

**Proficiency Training:** Additional training provided via in-residence courses, exportable advanced training courses, or On-the-Job Training (OJT) training to personnel to increase their skills and knowledge beyond the minimum required for upgrade.

**Qualification Training (QT):** Actual hands-on task performance training designed to qualify an Airman in a specific duty position. This training program occurs both during and after the upgrade training process. It is designed to provide the performance skill/knowledge training required to do the job.

**Qualification Training Package (QTP):** An instructional course designed for use at the unit to qualify or aid qualification in a duty position or program or on a piece of equipment. It may be printed, computer based, or in other audiovisual media.

**Resource Constraints:** Resource deficiencies such as money, facilities, time, manpower, or equipment that preclude desired training from being accomplished.

**Specialty Training Standard (STS):** An Air Force document that is published as an attachment to the appropriate Career Field Education and Training Plan (CFETP) that describes an Air Force Specialty (AFS) in terms of tasks and knowledge an Airman may be expected to perform or to know on the job. It serves as a contract between AETC and the functional user to show which of the overall training requirements for an Air Force Specialty Code (AFSC) are taught in formal schools, in job knowledge courses, and exportable courses.

**Specialty Training Requirements Team (STRT):** Primary purpose of the STRT is for the Air Force Career Field Manager (AFCFM) and MAJCOM Functional Managers (MFM) to determine and present training requirements to AETC. Attendees include the AFCFM, AETC Training Pipeline Manager (TPM), AETC Training Managers (TM), MFMs, Subject Matter Experts (SME), and AETC

Occupational Analysis Division. The AFCFM chairs the STRT. The AETC TPM and TMs attend as advisors.

**Supplemental Training:** Formal, standardized training within an Air Force Specialty (AFS) that is in addition to required initial skills training and skill level upgrade training. It may support new and/or newly assigned equipment, methods, and/or technology.

**Task Certifier:** See Certification Official

**Training Detachment (TD):** An AETC detachment that provides maintenance oriented technical training at an operational location. Training can address specific systems, including aerospace ground equipment, or cover new equipment techniques and procedures. A TD qualifies personnel to maintain proficiency, increase skill and knowledge, acquaint personnel with specific systems, and keep personnel aware of changing concepts and requirements.

**Training Setting:** The type of forum in which training is provided (formal in-residence school, On-the-Job Training (OJT), field training, Mobile Training Team (MTT), self-study, etc.).

**Upgrade Training (UGT):** A mixture of mandatory courses, task qualification, Qualification Training Packages (QTP), and job knowledge courses required for award of a 3-, 5-, 7-, or 9-skill level.

**Utilization and Training Workshop (U&TW):** A forum convened and chaired on a recurring basis by the AF Career Field Manager (AFCFM), designed to review the appropriate Career Field Education and Training Plan (CFETP) and its attachments. The purpose is to ensure currency, accuracy, and completeness of content, to include specific formal career ladder training requirements. Workshops are co-chaired by AETC Training Pipeline Manager (TPM) and include MAJCOM Functional Managers (MFM), AETC training personnel, and Subject Matter Experts (SMEs).

**ACRONYMS USED**

A&P – Airframe and Power
ADL – Advanced Distributed Learning
AFCDA – Air Force Career Development Academy
AFCFM – Air Force Career Field Manager
AF-COOL – Air Force Credentialing Opportunities On-Line
AFECD – Air Force Enlisted Classification Directory
AFJQS – Air Force Job Qualification Standard
AFRC – Air Force Reserve Command
AFS – Air Force Specialty
AFSC – Air Force Specialty Code
AFTC – Air Force Training Course
AFVEC – Air Force Virtual Education Center
ALS – Airman Leadership School
ANG – Air National Guard
ARC – Air Reserve Component
AU – Air University
AvF – Avionic Fundamentals
BMT – Basic Military Training

CCAF – Community College of the Air Force
CDC – Career Development Course
CEM – Chief Enlisted Manager
CFETP – Career Field Education and Training Plan
COL – Course Objective List
CSIL – Customer Service Information Line
CTS – Course Training Standard
DL – Distributed Learning
DLC – Distance Learning Course
EPME – Enlisted Professional Military Education
EST – Enlisted Specialty Training
EW – Electronic Warfare
HST – Home Station Training
HYT – High Year Tenure
ICW – Interactive Courseware
ISD – Instructional System Development
ITP – Individual Training Plan
ITU – Instructional Technology Unit
JQS – Job Qualification Standard
JSAMTCC – Joint Service Aviation Maintenance Technician Certification Council
MDS – Mission Design Series
MFM – MAJCOM Functional Manager
MIS – Maintenance Information System
MMCL – MAJCOM Mandatory Course List
MSL – Maintenance Supply Liaison
MTL – Master Task Listing
MTP – Master Training Plan
MTT – Mobile Training Team
NCOA – Noncommissioned Officer Academy
NCOIC – Noncommissioned Officer in Charge
OAR – Occupational Analysis Report
OJT – On-the-Job Training
PMC – Professional Manager Certification
POI – Plan of Instruction
QA – Quality Assurance
QT – Qualification Training
QTP – Qualification Training Package
SDA – Special Duty Assignment
SEI – Special Equipment Identifier
SKT – Specialty Knowledge Tests

SME – Subject Matter Expert
SNCOA – Senior Noncommissioned Officer Academy
STRT – Specialty Training Requirements Team
STS – Specialty Training Standard
TD – Training Detachment
TIS – Time in Service
TM – Training Manager
TO – Technical Order
TPM – Training Pipeline Manager
TR – Training Resource
U&TW – Utilization and Training Workshop
UGT – Upgrade Training
UTC – Unit Type Code
UTM – Unit Training Manager
WAPS – Weighted Airman Promotion System

## SECTION A - GENERAL INFORMATION

**2. Purpose**. This CFETP provides the information necessary for the AFCFM, MAJCOM Functional Managers (MFM), commanders, training managers, supervisors, and trainers to plan, develop, manage, and conduct an effective and efficient career field training program. The plan outlines the training that individuals in this Air Force Specialty (AFS) should receive in order to develop and progress throughout their career. This plan identifies initial skills, upgrade, qualification, advanced, and proficiency training. The CFETP also:

**2.1.** Lists training courses available in the AFS and identifies sources of training and the training delivery method.

**2.2.** Identifies major resource constraints that impact full implementation of the desired career field training process.

**3. Use of the CFETP.** This plan will be used by MFMs and supervisors at all levels to ensure comprehensive and cohesive training programs are available for each individual in the specialty.

**3.1.** AETC training personnel will develop and/or revise formal resident, non-resident, Training Detachment (TD), and exportable training based upon requirements established by the users and documented in Part II of the CFETP. They will also work with the AFCFM to develop acquisition strategies for obtaining the resources needed to provide the identified training.

**3.2.** MFMs will ensure their training programs complement the CFETP mandatory initial, upgrade, and proficiency requirements. On-the-Job Training (OJT), resident training, contract training, or exportable courses can satisfy the identified requirements. MAJCOM developed training to support this AFS must be identified for inclusion in this plan and must not duplicate other available training resources.

**3.3.** Each individual will complete the mandatory training requirements specified in this plan. The list of courses in Part II will be used as a reference to support training.

**4. Coordination and Approval.** The AFCFM is the approval authority for the CFETP.

**4.1. Scheduled Reviews.** The AFCFM will initiate an annual review of this document to ensure currency and accuracy. Typically this review is accomplished via correspondence and is accomplished by the AFCFM and using MFMs. Approximately every three years Specialty Training Requirements Teams (STRT) are held for functional areas (e.g. Instrument and Flight Control Systems, Backshop Avionics, Legacy Fighter, etc.). During STRTs the AFCFM, MFMs, AETC representatives, and Subject Matter Experts (SME) accomplish an in-depth review of the material to determine and present training requirements to AETC. STRTs are normally face-to-face meetings.

**4.2. Out-of-Cycle Review.** The AFCFM can implement out-of-cycle changes whenever necessary to address the addition of new platforms, systems, changes to test equipment, etc. Career field members can provide inputs on content or change request to the AFCFM at any time via their MFM. The AFCFM will evaluate the information and (1) provide feedback on why the suggestion will not be incorporated, (2) initiate an out of cycle change, or (3) incorporate the suggestion during the next scheduled review, whichever is appropriate.

## SECTION B - CAREER PROGRESSION AND INFORMATION

### 5. Specialty Description.

### 5.1. Specialty Shreds:

| Suffix | Portion of the AFS to which it relates |
|---|---|
| K | A-10, B-2, C-17, CV-22, F-16, and AFSOC Avionics Systems |
| M | B-1, E-8, and F-15 Avionics Systems |
| P | Avionics Sensor Systems and Electronic Warfare Systems |

**5.2. Specialty Summary and Duties and Responsibilities.** Refer to the Air Force Enlisted Classification Directory (AFECD), accessible via myPers at **https://mypers.af.mil/app/home**, search for "AFECD".

**5.2.1. Helper, Apprentice, Journeyman, and Craftsman.** Refer to "AFSC 2A071*, Craftsman/AFSC 2A051*, Journeyman/AFSC 2A031*, Apprentice/AFSC 2A011*, Helper," titled "AVIONICS TEST STATION AND COMPONENTS," in AFECD Section II, for specialty summary, duties and responsibilities, and specialty shredouts for 1-, 3-, 5-, and 7-skill level personnel.

**5.2.2. Chief Enlisted Manager (CEM) and Superintendent.** Refer to "CEM Code 2A600/AFSC 2A090, Superintendent," titled "AVIONICS," in AFECD Section II, for specialty summary and duties and responsibilities for 9-skill level and CEM personnel.

**6. Skill and Career Progression.** Adequate training and timely progression from the apprentice to the superintendent skill level plays an important role in the Air Force's ability to accomplish its mission. It is essential that everyone involved in training do their part to plan, develop, manage, and conduct an effective training program. The guidance provided in this part of the CFETP will ensure each individual receives viable training at appropriate points in their career. Use table 10.1, **Enlisted Career Path**, in conjunction with the information below to manage career skill progression.

**6.1. Apprentice (3-skill level):** Individuals are awarded their 3-skill level upon completion of initial skills training (technical school). At their first duty station a trainee will work with a trainer to enhance their knowledge and skills. Individuals are assigned shred identifiers for initial-skills course scheduling and assignment purposes; shred identifiers are provided in the AFECD.

**6.2. Journeyman (5-skill level).** Upon arrival at their first duty location, individuals must complete formal 5-level OJT training requirements as defined in this CFETP, DAFI 36-2670, and the AFECD. This training involves completion of all identified Tasks (Eliminates the 2A051X Career Development Course (CDC) requirement.). Once upgraded to the 5-skill level, the journeyman will enter into qualification training to broaden their experience base by increasing their knowledge and skill in troubleshooting and solving more complex problems. This includes qualification on duty specific tasks identified by the work center supervisor. Available proficiency and/or supplementary training should be completed as early as duty permits. Journeymen may be appointed as unit trainers and considered for job positions such as Quality Assurance (QA) inspector. Air Force Enlisted Professional

Military Education (EPME) is a rank-based model that ensures targeted delivery of institutional competencies across an enlisted Airman's career. Resident Airman Leadership School (ALS) meets Basic and Comprehensive Phase1 requirements and is required to assume the rank of Staff Sergeant. In addition to completing EPME requirements, individuals should also consider continuing their education toward a Community College of the Air Force (CCAF) degree.

**6.3. Craftsman (7-skill level):** Once selected for promotion to Staff Sergeant, individuals begin formal 7-skill level OJT training requirements as defined in this CFETP, DAFI 36-2670, and the AFECD. This training involves completion of all identified Tasks (Eliminates the 2AX7X Career Development Course (CDC) requirement.) Once upgraded to the7-skill level, the craftsman will also train on any qualification or duty specific tasks identified by the work center supervisor. Available proficiency and/or supplementary training should be completed as early as duty permits. A craftsman can expect to fill various supervisory and management positions such as task certifier, element Noncommissioned Officer in Charge (NCOIC), flight or section chief, flightline expediter, production superintendent, and avionics manager, and can also be assigned to workin staff positions. Resident Noncommissioned Officer Academy meets Basic and Comprehensive Phase 2 requirements and is required to assume the rank of Technical Sergeant. In addition to completing EPME requirements, craftsmen should take courses to obtain added knowledge on management of resources and personnel whenever available and continued academic education through CCAF and higher degree programs.

**6.4. Superintendent (9-skill level):** Formal 9-skill level OJT training requirements are defined in DAFI 36-2670 and the AFECD. A 9-skill level can be expected to fill positions such as flight chief, production supervisor, and various staff positions. The Air Force Specialty Code (AFSC) shred is removed at the9-skill level, at which point airframe qualifications are identified by Special Equipment Identifier (SEI)codes. SEI codes are provided in the AFECD. Resident SNCOA is required to assume the rank of Chief Master Sergeant. In additionto EPME requirements, superintendents are expected to take advantage of additional training in the areas of budget, manpower, resources, and personnel management and higher education, including advanced certification, is encouraged for professional development.

**7. Training Decisions:** The CFETP uses a building block approach (simple to complex) to encompass the entire spectrum of training requirements for the Avionic Test Station and Components/Electronic Warfare Systems Career Field. The spectrum includes a strategy for when, where, and how to meet these training requirements. The strategy must be apparent and affordable to reduce duplication of training and eliminate a disjointed approach to training. The following training decisions were made by MFMs and SMEs at the career field virtual STRT 7 Jul to 7 Oct 21.

**7.1. Initial Skills:** The STRT was tasked with reviewing the entire 2A0X1X STS. Each STS line item was evaluated based on capability and method of training, redundancy of documentation, and applicability. Occupational Analysis Report (OAR) data was used to scrub requirements to determine whether items were suited for formal training. During the STRT, the decision was made to consolidate three separate CFETPs, 2A0X1K, 2A0X1M, and 2A0X1P, into one document.

**7.2. Five-Skill Level Upgrade Training**: 2A0X1K, 2A0X1M, 2A0X1P will maintain separate CDCs. Upgrade requirements include completion of Tasks and identified work center requirements for their assigned weapons system and completion of MAJCOM Mandatory Course List (MMCL) requirements as necessary based on assignment. Task qualification is all that is required for upgrade; there is no career field standard for proficiency.

**7.3. Seven-Skill Level Upgrade Training:** Upgrade requirements include completion of Tasks and identified work center requirements for their assigned weapons system and completion of MAJCOM Mandatory Course List (MMCL) requirements as necessary based on assignment. Task qualification is all that is required for upgrade; there is no career field standard for proficiency. In-residence school is not required for upgrade and there is no Advanced Distributed Learning (ADL)/Distributed Learning (DL) in development.

**8. Higher Education and Advanced Certification Opportunities.** Advanced certifications and other additional off-duty education is a personal choice encouraged for the professional development of the entire enlisted force.

**8.1. Community College of the Air Force (CCAF) Degree Program**: Enrollment in CCAF occurs automatically upon completion of Basic Military Training (BMT). Degree completion; technical education; leadership, management and military studies; physical education; general education; and program elective requirements are identified in the CCAF Catalog which can be found on the Air University (AU) site.

**8.2. CCAF Academic Programs.** In addition to its associate degree program, CCAF offers other credentialing programs (licensure and certification). Licensure is normally issued by federal, state, or local governmental agencies and is issued to individuals to practice in specific occupation. Certification is normally issued by non-governmental agencies, associations, schools, or industry-supported companies and are typically an optional credential. Air Force Credentialing Opportunities On-Line (AF-COOL) supports programs like Air Force Airframe and Power plant (A&P) Certification; CCAF Instructor Certification; CCAF Instructional Systems Development (ISD) Certification; Joint Service Aviation Maintenance Technician Certification Council (JSAMTCC); and Professional Manager Certification (PMC). Information on current programs is available via the Air Force Portal CCAF site and the Air Force Virtual Education Center (AFVEC) site.

**8.3. AETC Instructor Requirements.** AETC Instructors must possess, at a minimum, an associate degree or should be actively pursuing an associate degree. Special Duty Assignment (SDA) requires an AETC instructor candidate to have a CCAF degree or be within one year of completion (45 semester hours). A degreed faculty is necessary to maintain accreditation through the Southern Association of Colleges and Schools.

**9. Career Path.** Table 10.1 identifies career milestones for the 2A0X1X Air Force Specialty.

| Table 10.1 Enlisted Career Path | | | | |
|---|---|---|---|---|
| **Education and Training Requirements** | **Grade Requirements** | | | |
| | Rank | Earliest Sew-On NOTE 1 | Average Sew-On NOTE 2 | High Year Of Tenure (HYT) NOTE 3 |
| **Basic Military Training School** | | | | |
| **Apprentice Initial Skills (Technical School)** (3-Skill Level) | Amn<br><br>A1C | 6 months<br><br>10 months | 9 months<br><br>1.3 years | 8 years |
| **Upgrade To Journeyman** (5-Skill Level) NOTE 4<br>・ Complete all mandatory tasks<br>・ Active Duty AF: No minimum/15 months maximum in Upgrade Training (UGT); ARC has no minimum/nor maximum time in UGT<br>・ Mandatory requirements listed in the AFECD<br>・ Recommended by supervisor and approved by commander | SrA | 36 mo. TIS<br>&<br>20 mo. TIG<br>or<br>28 mo. TIG | 2.5 years | 10 years |
| **Airman Leadership School (ALS)** NOTE 5<br>・ Phase 1 Basic and Comprehensive EPME<br>・ Resident ALS required for promotion to SSgt | | | | |
| **Trainer** NOTE 4<br>・ Attend formal OJT trainer course (AFTC)<br>・ Maintain required task qualifications | **Certifier** NOTE 4<br>・ Be at least a SSgt (E-5) with a 5-skill level<br>・ Attend the formal Air Force Training Course (AFTC)<br>・ Be capable of evaluating the task being certified<br>・ Be a person other than the trainer except for certain situations defined in DAFI 36-2670 | | | |
| **Upgrade To Craftsman** (7-Skill Level) NOTE 4<br>・ Minimum rank of SSgt<br>・ Compete all mandatory tasks<br>・ Attend 7-skill level craftsman course (if required)<br>・ Mandatory requirements listed in the AFECD<br>・ Active Duty AF: No minimum/8 months maximum in Upgrade Training (UGT); ARC has no minimum/nor maximum time in UGT<br>・ Recommended by supervisor and approved by commander | SSgt | 3 years TIS<br>&<br>6 mo. TIG | 5.4 years | 20 years |

| | | | | |
|---|---|---|---|---|
| **Noncommissioned Officer Academy (NCOA)** NOTE 5<br>· Phase 2 Comprehensive EPME<br>· Complete and pass resident ALS (or DL for ARC)<br>· Resident NCOA required for promotion to MSgt | TSgt | 5 years TIS & 23 mo. TIG | 11.3 years | 22 years |
| **USAF Senior NCO Academy (SNCOA)** NOTE 5<br>· Phase 3 Comprehensive EPME<br>· Complete and pass NCOA<br>· Any Associates or higher degree required for promotion to SMSgt<br>· Resident SNCOA required for promotion to CMSgt | MSgt | 8 years TIS & 24 mo. TIG | 15.5 years | 24 years |
| | SMSgt | 11 years TIS & 20 mo. TIG | 20.3 years | 26 years |
| **Upgrade To Superintendent** (9-Skill Level) NOTE 4<br>· Minimum rank of SMSgt<br>· Mandatory requirements listed in the AFECD<br>· Recommended by supervisor and approved by commander | CMSgt | 14 years & 21 mo. TIG | 22.9 years | 30 years |

Table data current as of February-2017.
NOTE 1: Average sew-on time is determined by the 2A0X1 AFCFM.
NOTE 2: Earliest sew-on information is available in the Professional Development Guide (PDG) at **https://www.studyguides.af.mil/.**
NOTE 3: HYT information is on the myPers site at **https://mypers.af.mil/app/home**, search "High Year of Tenure".
NOTE 4: Upgrade and trainer/certifier requirements are detailed in DAFI 36-2670, *Total Force Development*, available on the Air Force e-Publishing site at **https://www.e-publishing.af.mil/.**
NOTE 5: EPME information is explained on the myPers site at **https://mypers.af.mil/app/home**, search "EPME". The policy detailed becomes effective with the 2022 promotion cycle.

## SECTION C - SKILL LEVEL TRAINING REQUIREMENTS

**10. Purpose.** Skill level training requirements in this career field are defined in terms of tasks and knowledge requirements. This section outlines the specialty qualification requirements for each skill level in broad, general terms and establishes the mandatory requirements for entry, award, and retention of each skill level. The specific tasks and knowledge training requirements are identified in the attached STS.

**10.1** The maintenance badge will be awarded in conjunction with skill-level upgrade. Maintainers currently wearing the badge that do not meet this new criteria may continue to wear the badge, essentially grandfathered-in, but all future award or upgrade of the badge will be at the prescribed skill-level:

Basic: Wear the basic badge after award of the 5-skill-level
Senior: Wear the senior badge after award of the 7-skill-level
Master: Wear the master badge after award of the 9-skill-level.

**11. Specialty Qualification Requirements.**

**11.1. Knowledge, Education, Training, and Experience.** Refer to the AFECD, accessible via myPers at **https://mypers.af.mil/app/home**, search for "AFECD".

**11.1.1. Helper, Apprentice, Journeyman, and Craftsman.** Refer to "AFSC 2A071*, Craftsman/AFSC 2A051*, Journeyman/AFSC 2A031*, Apprentice/AFSC 2A011*, Helper," titled "AVIONICS TEST STATION AND COMPONENTS," in AFECD Section II, for specialty qualification information for 1-, 3-, 5-, and 7-skill level personnel.

**11.1.2. CEM and Superintendent.** Refer to "CEM Code 2A600/AFSC 2A090, Superintendent," titled "AVIONICS," in AFECD Section II, for specialty qualification information for 9-skill level and CEM personnel.

**11.2. Training Sources and Implementation.**

**11.2.1. Apprentice Level Training:** The initial skills courses (J3AQR2A031X048C and J3ABR2A031X048D) will provide the required knowledge the trainee needs at their first duty location. The training encompasses basic electronic principles, system theory and operation, system components, and component removal and installation. Trainees will use representative aircraft and/or trainers to accomplish the system specific training requirements. Additionally, the trainee will be introduced to maintenance concepts, practices and documentation, the use of technical publications, and support equipment. Unless waived by the AFCFM, the initial skills course is a requirement upon entry into the career field. Trainees are awarded a 3-skill level upon completion of the initial skills course.

**11.2.2. Journeyman Level Training:** Trainees enter into 5-skill level Upgrade Training (UGT) upon arrival at their first duty station. Core and work center tasks in the trainee's Job Qualification Standard (JQS) are trained via OJT and, when mandated, MAJCOM specific courses. Weapon system specific knowledge courses are in development. Until they field, the trainer will provide the trainee the required job knowledge training using technical orders.

**11.2.3. Craftsman Level Training:** Trainees enter into 7-skill level UGT when selected for promotion to Staff Sergeant. Core and work center tasks in the trainee's JQS are trained via OJT and, when mandated, MAJCOM specific courses.

**11.2.4. Superintendent Level Training:** The 9-skill level is awarded upon promotion to Senior Master Sergeant. When necessary, unit OJT is used for training. In addition to 7-skill level qualifications, an individual must possess advanced skills and knowledge of concepts and principles in the management of aircraft maintenance. The 9-skill level needs to be an effective leader; must be able to forecast, budget, and manage funds and other resources to include manning; must be knowledgeable of federal and local environmental standards; and must ensure adherence to the proper handling and disposal of hazardous materials.

## SECTION D - RESOURCE CONSTRAINTS

**12. Purpose.** This section of the CFETP identifies known resource constraints which preclude optimum and desired training from being developed or conducted, including information such as cost and manpower. Narrative explanations of each resource constraint and an impact statement describing

what effect each constraint has on training are included. Also included in this section are actions required, office of primary responsibility, and target completion dates. Resource constraints will be, as a minimum, reviewed and updated annually.

**13. Apprentice Level Training.** The following equipment is not included in apprentice level training because the equipment is either in development or unavailable from the field.

**13.1.** Course J3ABR2A031K048D (A-10, B-2, C-17, CV-22, F-16, and AFSOC Avionics Systems).

**13.1.1.** The Versatile Depot Automatic Test Station (VDATS) training requirements in Attachment 6, *B-2 Training Requirements*. Training requires a VDATS unit at the school house and there are no available units in the field (OPR: AFGSC/A4AA). There is no estimated availability date at the time of publication. Until a unit is available, students will have to be trained via OJT.

**13.1.2.** The C-17 Automatic Test Equipment (CATE) Test Station and Sensor Signal Interface (SSI) training requirements in Attachment 7, *C-17 Training Requirements*. Training requires a CATE and SSI at the school house and there are no available units in the field (OPR: ACC/A4MM). There is no estimated availability date at the time of publication. Until units are available, students will have to be trained via OJT.

**13.1.3.** The Peculiar Subsystems Isolate/Repair Malfunctions training requirements in Attachment 5, *F-16 Training Requirements*. The schoolhouse has the old version of the (IAIS) test set with the legacy version of the Microwave Stimulus Unit (MSU) and Microwave Measurement Unit (MMU), so those are currently being trained. The resource constraint is for the VXI upgrade to those units and for the VXI Microwave Unit (MU). The program office has requested funding, but it is not available yet (OPR: 365 TRS/TRR). There is no estimated upgrade date at the time of publication. Until available, students will have to be trained via OJT.

**13.2.** Course J3ABR2A031M048D (B-1, E-8, and F-15 Avionics Systems).

**13.2.1.** The Spectrum Analyzers (E4440A) training requirement in Attachment 9, *2A0X1M Common*. None of the MAJCOMs were able to transfer or purchase the spectrum analyzer for schoolhouse use (OPR: HAF/A4LM). There is no estimated availability date at the time of publication. Until the test equipment is available, students will have to be trained via OJT. NOTE: When a spectrum analyzer is available, the field will also have to provide an Analog Signal Generator (E8257D) to facilitate use.

**13.2.2.** The Advanced Radar and Electronic Warfare Test Station (ARTS) training requirement in Attachment 10, *B-1 Training Requirements*. The ARTS is currently in development and not expected to field until at least FY18 (OPR: AFGSC/A4AA). Until units are available, students will have to be trained via OJT.

**13.2.3.** The AN/GSM-397 Electronic Systems Test Set (ESTS) training requirement in Attachment 11, *F-15 Training Requirements*. Training requires an ESTS at the school house and there are no available units in the field (OPR: ACC/A4MM). There is no estimated delivery date at the time of publication. Until a unit is available, students will have to be trained via OJT. NOTE: When an ESTS is available, the field will also have to provide an F-15 Intercommunications Set (ICSCP) to facilitate use.

**14. Journeyman Level Training.** No resource constraints identified.

**15. Craftsman Level Training.** No resource constraints identified.

## SECTION E – TRANSITIONAL TRAINING GUIDE

**16.** There is currently no transitional training requirements. This area is reserved.

**PART II**

**SECTION A - SPECIALTY TRAINING STANDARD (STS)**

**1. Implementation:** The STS will be used for technical training provided by AETC for classes beginning FY22; Avionic Fundamental began in Apr 20 and Follow-On courses will begin Apr 22. The STS is organized in attachments to this document for "General" training requirements (applicable to all systems) and Mission Design Series (MDS) and Electronic Warfare (EW) system requirements.

**1.1.** J3ABR2A031K048D "K-Shred" – Developed using STS attachments A2, A3 thru A8.

**1.2.** J3ABR2A031M048D "M-Shred" – Developed using STS attachments A2, A9 thru A12.

**1.3.** J3ABR2A031P048D "P-Shred" – Developed using STS attachments A2, A13 thru A17.

**1.4. Wartime Requirements.** When necessary, the AFCFM can direct expedited training to support wartime deployment requirements. If implemented, all tasks and knowledge taught in the initial skills courses will continue to be taught in the wartime initial skills courses, the training timeline will just be compressed as able. For example, if a course was currently being taught five days a week on day- shift, the wartime course would provide the same training to trainees, but might be taught 6 days a week on day-, swing-, and mid-shift.

**2. Documentation:** As prescribed in DAFI 36-2670, *Total Force Development*, (refer to applicable attachments):

**2.1.** Column 1 (Task, Knowledge, and Technical References): The most common tasks, knowledge, and Technical References (TR) necessary for Airmen to perform duties in the 3-, 5-, and 7-skill level. Not all tasks apply to every work center.

**2.1.1.** It is the work center supervisor's job to identify work center requirements and build a Master Training Plan (MTP) to train assigned trainees to the requirements. Individual JQS' should be tailored to the trainees' skill level and duty position.

**2.1.2.** For OJT, the tasks in column 1 are trained and qualified to the go/no go level (3c). "Go" means the individual can perform the task without assistance and meets local requirements for accuracy, timeliness, and correct procedures.

**2.1.3.** Unless mandated by another source (e.g. engine run currency requirements in DAFI 21-101), there is no career field standard for proficiency. Once a trainee is qualified on a task, she or he remains qualified unless de-certified IAW DAFI 36-2670.

**2.2.** Column 2 (Tasks): Tasks identified with an asterisk (*) are specialty-wide training requirements. Qualification on all shop/flight line tasks must be completed for skill level upgrade.

**2.2.1.** Trainees are only required to qualify on tasks applicable to their assigned aircraft or systems; i.e. if the STS lists two separate Heads Up Display (HUD) systems, and the operational check for both is

identified as a core task, the trainee only has to qualify on the HUD system installed on the aircraft assigned at the trainee's locations.

**2.2.2.** When a base has multiple MDS or EW systems assigned, trainees are only required to complete core task training on the MDS or EW systems assigned to their unit.

**2.2.3.** Tasks that are not applicable to base assigned aircraft or equipment are not required for upgrade (units are not required to send personnel TDY for core task training.)

**2.2.4.** Tasks identified with *R are optional for Air Force Reserve Command (AFRC) and Air National Guard (ANG) traditional personnel. Full time personnel are required to qualify on all identified tasks.

**2.3.** Column 3 (Certification for OJT): Used to record completion of tasks and knowledge training requirements. If available, use an automated training management systems to document technician qualifications. Task certification must show a training start and completion date.

**2.4.** Column 4 (Proficiency Codes Used to Indicate Training/Information Provided): Identifies the proficiency a trainee should be able to demonstrate on the job after completing formal training or a CDC. Attachment 1 contains the proficiency code key.

**2.4.1.** Column 4A items marked with both a proficiency code and a caret (Ex: A^) will be taught in Avionics Fundamentals.

**2.4.2.** Column 4A identifies the established task and/or knowledge requirement for in-residence training. When two codes are used in column 4A (e.g., 2b/b), the second code indicates the level of training provided in the course due to equipment shortages or other resource constraints.

**2.4.3.** Columns 4B and 4C identify the established knowledge requirement for CDCs. See the Unit Training Manager (UTM) for current CDC listing.

**3. Job Qualification Standard (JQS):** The STS becomes a JQS for OJT when placed in the Air Force approved electronic training records system or AF Form 623, *On-The-Job Training Record*, and used according to DAFI 36- 2670. When used as a JQS, the following requirements apply:

**3.1.** Document and certify completion of training IAW DAFI 36-2670. Load the tasks into the Air Force approved electronic training records system as a JQS and add them to the applicable Individual Training Plan (ITP).

**3.2.** All AFJQSs and previous CFETPs are replaced by this CFETP; therefore, transcribing of all training records to this CFETP STS is mandatory. Use the CFETP STS (or automated STS) to identify and certify all past and current qualifications. Document and certify all previous and current training IAW DAFI 36-2670.

**4. Specialty Knowledge Tests (SKT).** The STS serves as a guide for development of promotion tests used in WAPS. SKTs are developed at the USAF Occupational Measurement Squadron, by SNCOs with extensive practical experience in their career field. The tests sample knowledge of STS subject

matter areas judged by test development team members as most appropriate for promotion to higher grades. Questions are based upon study references listed in the WAPS catalog. Individual responsibilities are in AFI 36-2502, *Airman Promotion and Demotion Programs*. WAPS is not applicable to the AFRC or ANG.

## SECTION B – COURSE OBJECTIVE LIST (COL)

**5.** Initial skills training is not designed to result in a mission ready technician. When evaluating course graduates, supervisors should use column 4A of the STS as a guide. Review column 4A to determine the proficiency level of a particular task or knowledge item. Review attachment 1 of this CFETP for an explanation of the proficiency codes. Then compare the proficiency of the trainee to the proficiency expected upon completion of the course. NOTE: Most task performance is taught to the "2b" proficiency level which means the students can do most parts of the task, but does need assistance on the hardest parts of the task (partially proficient). The student can also determine step-by-step procedures for doing the task.

**6. Recommendations:** Comments and recommendations are invited concerning the quality of training AETC graduates received. The 782 TRG Customer Service Information Line (CSIL) is available for supervisors to identify training concerns on tasks/knowledge items listed in this STS. Please reference specific STS line items and address your comments to: **782CSIL@us.af.mil** or call the CSIL at DSN 736-2574 anytime.

## SECTION C - SUPPORT MATERIAL.

**7.** There are currently no support material requirements. This area is reserved.

## SECTION D - TRAINING COURSE INDEX.

**8. Purpose.** This index lists mandatory and recommended formal training including Air Force in-residence, field, Air Force Career Development Academy (AFCDA), Defense Acquisition University (DAU), and exportable courses used to support training for this specialty.

### 9. Air Force In-Resident Courses.

| COURSE NO. NOTE 1 | COURSE TITLE | LOCATION | USER |
|---|---|---|---|
| J3AQR2A031X048C NOTE 2 | Avionics Fundamentals (AvF) NOTE 3 | Sheppard AFB | AF |
| J3ABR2A031K048D | Avionics Test Stations and Aircraft Components(A-10, B-2, C-17, CV-22, F-16, and AFSOC) | Sheppard AFB | AF |
| J3ABR2A031M048D | Avionics Test Stations and Aircraft Components(B-1, E-8, and F-15) | Sheppard AFB | AF |
| J3ABR2A031P048D | Avionics Backshop Electronic Warfare Systems Apprentice (Avionics Sensor Systems and Electronic Warfare Systems ) | Sheppard AFB | AF |

NOTE 1: For information on the AETC formal courses listed, refer to Education and Training Course Announcements at **https://cs2.eis.af.mil/sites/app10-ETCA/SitePages/Home.aspx**

NOTE 2: In the course announcement, the course number listed above are followed by the current revision number, e.g. the most current Avionics Fundamentals course at the time the CFETP was published was J3AQR2A031X048C; a year from now the most current revision might be J3AQR2A031X048D

NOTE 3: All shreds attend the same AvF course but the course number is different depending on his or her shred; e.g. for 2A031K Airmen the AvF course number is J3AQR2A031K048C; for 2A031P Airmen the AvF course number is J3AQR2A031P048C.

**10. Air Force Career Development Academy (AFCDA).** AU/A4L is responsible for managing the career development program when used.

**11. Interactive Courseware (ICW).** Interactive courses (not always applicable) are available via "The Griffin" email 367 TRSS_PM Project Management <367TRSS.367TRSS_PM.ProjectManagement@us.af.mil>. OPR contact information is as follows:

## SECTION E - MAJCOM UNIQUE REQUIREMENTS.

**12.** The MMCLs identify mandatory maintenance training requirements for initial skills (technical school) graduates, retrainees, and personnel with no experience on assigned MDS or EW systems. They also ensure maintenance personnel receive training commensurate to their current duty position. The AFRC and ANG do not publish MMCLs and their personnel are not subject to their requirements. All other commands publish an MMCL as appropriate and have decision authority with regard to which MAJCOM personnel the MMCL applies to; e.g., whether AMC personnel assigned to a Total Force Squadron in New Hampshire are subject to AMC's MMCL is up to AMC. All MMCL courses will be identified as a priority on the AF Form 898. Contact your UTM for the most current version of your MAJCOM's MMCL.

BY ORDER OF THE SECRETARY OF THE AIR FORCE

OFFICIAL

WARREN D. BERRY
Lieutenant General, USAF
DCS/Logistics, Engineering & Force Protection

17 Attachments
1. Proficiency Code Key (Mandatory)
2. General Training Requirements (Mandatory)
3. 2A0X1K Common Training Requirements
4. A-10 Training Requirements
5. F-16 Training Requirements
6. B-2 Training Requirements
7. C-17 Training Requirements
8. AFSOC Backshop Training Requirements
9. 2A0X1M Common Training Requirements
10. B-1 Training Requirements
11. F-15 Training Requirements
12. E-8 Training Requirements
13. Pod Maintenance Principles
14. AN/ALQ-131 Pod Training Requirements
15. AN/ALQ-184 Pod Training Requirements
16. AN/ALQ-188 Pod Training Requirements

**NOTES:** Use of at least one of attachments 3 through 8 is required for the "K-Shred".

Use of at least one of attachments 9 through 12 is required for the "M-Shred".

Use of at least one of attachments 13 through 16 is required for the "P-Shred".

Attachment 1

| *This Block Is For Identification Purposes Only* | | |
|---|---|---|
| **Name Of Trainee:** | | |
| **Printed Name** (*Last, First, Middle Initial*) | **Initials** (Written*)* | |
| Printed Name Of Training/Certifying Official And Written Initials | | |
| ***N/I*** | ***N/I*** | |
| ***N/I*** | ***N/I*** | |
| ***N/I*** | ***N/I*** | |
| ***N/I*** | ***N/I*** | |
| ***N/I*** | ***N/I*** | |
| ***N/I*** | ***N/I*** | |
| ***N/I*** | ***N/I*** | |

**QUALITATIVE REQUIREMENTS**

| Proficiency Code Key | | |
|---|---|---|
| | Scale Value | **Definition: The individual** |
| Task Performance Levels | 1 | **IS EXTREMELY LIMITED** (Can do simple parts of the task. Needs to be told or shown how to do most of the task.) |
| | 2 | **IS PARTIALLY PROFICIENT** (Can do most parts of the task. Needs only help on hardest parts.) |
| | 3 | **IS COMPETENT** (Can do all parts of the task. Needs only a spot check of completed work.) |
| | 4 | **IS HIGHLY PROFICIENT** (Can do the complete task quickly and accurately. Can tell or show others how to do the task.) |
| *Task Knowledge Levels | a | **KNOWS NOMENCLATURE** (Can name parts, tools, and simple facts about the task.) |
| | b | **KNOWS PROCEDURES** (Can determine step by step procedures for doing the task.) |
| | c | **KNOWS OPERATING PRINCIPLES** (Can identify why and when the task must be done andwhy each step is needed.) |
| | d | **KNOWS ADVANCED THEORY** (Can predict, isolate, and resolve problems about the task.) |
| **Subject Knowledge Levels | A | **KNOWS FACTS** (Can identify basic facts and terms about the subject.) |
| | B | **KNOWS PRINCIPLES** (Can identify relationship of basic facts and state general principles about the subject.) |
| | C | **KNOWS ANALYSIS** (Can analyze facts and principles and draw conclusions about the subject.) |
| | D | **KNOWS EVALUATION** (Can evaluate conditions and make proper decisions about the subject.) |

**Explanations**

* A task knowledge scale value may be used alone or with a task performance scale value to define a level of knowledge for a specific task (ex. b and 1b).

** A subject knowledge scale value is used alone to define a level of knowledge for a subject not directly related to any specific task, or for a subject common to several tasks.

- This mark is used alone instead of a scale value to show that no proficiency training is provided in the course or CDC.

^ This mark is used in course columns to identify what tasks are taught in Avionics Fundamentals (ex. A^).

/ This mark is used in course columns to show training requirements not met due to limitations in resources (3c/b, 2/b/b, 3c/-, etc.). The first code is the training requirement and the second code indicates the level of training provided due to equipment shortages or other resource constraints.

NOTE: All tasks and knowledge items shown with a proficiency or knowledge code are trained during wartime.

NOTE: Proficiency codes in columns 4B and 4C (5- and 7-Skill Level CDCs) are being used to develop weapon system specific job knowledge courses, so they will remain in the CFETP even though CDCs are no longer required for skill level upgrade.

GENERAL TRAINING REQUIREMENTS

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And Technical References** | Core/Cert^ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| **Note 1:** Proficiency codes in column 4A identify the task/knowledge requirement for resident training. When two codes are used (e.g., 2b/b), the second code indications the level of training provided in the course due to equipment shortages or other constraints; dash (e.g., 2b/-) indicates the item will not be trained until the constraint is eliminated.<br>**Note 2:** Items marked in Column 4A with both a proficiency code and a carat will be taught in Avionics Fundamentals (Ex: A^). | | | | | | | | | | | |
| 2. ATTACHMENT 2 GENERAL TRAINING REQUIREMENTS | | | | | | | | | | | |
| 2.1. CAREER LADDER PROGRESSION TR: DAFI 36-2670, AFMAN36-2100, AFECD (myPers), CFETP Part I | | | | | | | | | | | |
| 2.1.1. Progression in Career Ladder | | | | | | | | - | - | - | - |
| 2.1.2. Duties and Responsibilities of 3/5/7-Level Personnel | | | | | | | | A^ | - | - | - |
| 2.2. SAFETY TR: AFI 91-Series, TO 00-25-172 | | | | | | | | | | | |
| 2.2.1. Safety Practices and the AF Occupational Safety & Health (AFOSH) Program Used in Avionic Career Fields | | | | | | | | B^ | B | - | - |
| 2.2.2. Basic First Aid | | | | | | | | - | - | - | - |
| 2.2.3. Electrostatic Discharge (ESD) Control | | | | | | | | A | - | - | - |
| 2.2.4. Electromagnetic Effects (EMP/EMI) | | | | | | | | - | - | - | - |
| 2.2.5. RF Radiation/Energy Hazards | | | | | | | | - | - | - | - |
| 2.2.6. RF Overexposure | | | | | | | | | | | |
| 2.2.7. Noise/High Intensity Sound | | | | | | | | - | - | - | - |
| 2.2.8. Compressed Gases | | | | | | | | - | - | - | - |
| 2.2.9. Electrical Power/High Voltage Hazards | | | | | | | | - | - | - | - |
| 2.2.10. Hydraulic Power | | | | | | | | - | - | - | - |
| 2.2.11. Electrical Equipment | | | | | | | | - | - | - | - |
| 2.2.12. Hazardous Liquids | | | | | | | | - | - | - | - |
| 2.2.13. Radioactive Parts and Materials | | | | | | | | - | - | - | - |
| 2.2.14. Aircraft | | | | | | | | - | - | - | - |
| 2.2.15. AGE | | | | | | | | - | - | - | - |
| 2.2.16. Beryllium/Copper Alloys | | | | | | | | - | - | - | - |
| 2.2.17. Lasers Safety | | | | | | | | - | - | - | - |
| 2.2.18. Composites | | | | | | | | - | - | - | - |
| 2.2.19. FOD Prevention | | | | | | | | - | - | - | - |

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And Technical References** | Core/Cert^ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 2.2.20. AF Nuclear Surety Program | | | | | | | | - | - | - | - |
| 2.2.21. Fall Protection/Restraints | | | | | | | | - | - | - | - |
| 2.2.22. CRTs | | | | | | | | - | - | - | - |
| 2.2.23. Lifting Devices | | | | | | | | - | - | - | - |
| 2.2.24. Heavy Lifting | | | | | | | | - | - | - | - |
| 2.2.25. Inspect and Use Fire Extinguisher | | | | | | | | - | - | - | - |
| 2.2.26. Work Areas Cleanliness and Safety | | | | | | | | - | - | - | - |
| 2.2.27. Hand and Power Tools | | | | | | | | - | - | - | - |
| 2.3. HAZARDOUS MATERIALS AND WASTE TR: AF JI 23-504, AFMAN32-7002, AFJMAN23-209, DAFMAN 91-203, TO 42C-1-12, Applicable Federal Codes, Applicable EPA State Regulations | | | | | | | | | | | |
| 2.3.1. Types of Hazardous Materials/Fluids | | | | | | | | - | - | - | - |
| 2.3.2. Handling | | | | | | | | - | - | - | - |
| 2.3.3. Disposal | | | | | | | | - | - | - | - |
| 2.3.4. Identification | | | | | | | | - | - | - | - |
| 2.3.5. Safety Data Sheets | | | | | | | | B^ | - | - | - |
| 2.3.6. Waste Minimization | | | | | | | | - | - | - | - |
| 2.3.7. Hazardous Materials and Waste Handling Procedures | | | | | | | | A^ | - | - | - |
| 2.4. MAINTENANCE MANAGEMENT AND INSPECTION TR: DAFI 21-101, AFI 38-101 | | | | | | | | | | | |
| 2.4.1. Basic Functions and Responsibilities Within the Maintenance Organization | | | | | | | | - | A | - | - |
| 2.4.2. Maintenance Resource Management (Human Factors) | | | | | | | | A^ | - | - | - |
| 2.4.3. Duties and Responsibilities of Shop Personnel | | | | | | | | - | - | - | - |
| 2.4.4. Logistics and Resource Management TR: DAFI 21-101, AFI 21-103, AFPD21-1, 21-3, AFPD63-1, AFI 65-601, Vol 1, AFI 91-202, DAFI 91- 204, AFPAM 91-206, AFI10-403, DAFI36-3802, AFTTP3-4 | | | | | | | | | | | |

GENERAL TRAINING REQUIREMENTS

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And Technical References** | Core/Cert^ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 2.4.4.1. Levels of Maintenance | | | | | | | | A | B | - | - |
| 2.4.4.2. Logistics Management | | | | | | | | - | - | - | - |
| 2.4.4.3. Status Reports | | | | | | | | - | - | - | - |
| 2.4.4.4. Maintenance Incident Report and Prevention | | | | | | | | - | A | - | - |
| 2.4.4.5. Mobility | | | | | | | | - | - | - | - |
| 2.5. SUPERVISION TR: DAFI 21-101,AFPD 21-1, DAFI 36-2670, AFI81-101, AFH 23-123 V3 | | | | | | | | | | | |
| 2.5.1. Perform Initial Evaluation | | | | | | | | - | - | - | - |
| 2.5.2. Orient New Personnel | | | | | | | | - | - | - | - |
| 2.6. TRAINING TR: DAFI 36-2670 | | | | | | | | | | | |
| 2.6.1. Evaluate Personnel to Determine Need for Training | | | | | | | | - | - | - | - |
| 2.6.2. Maintain Training Records | | | | | | | | - | - | - | - |
| 2.6.3. Automated Training Records | | | | | | | | - | - | - | - |
| 2.7. TECHNICAL PUBLICATIONS TR: AFPD63-1TOs 00-5 Series, 00-25-06-2-2, 51-1-06-1, DAFI 33- 360 | | | | | | | | | | | |
| 2.7.1. Scope and Application of Hardcopy/Electronic Technical Order Systems | | | | | | | | A^ | A | - | - |
| 2.7.2. Types of Publications | | | | | | | | | | | |
| 2.7.2.1. Technical Publications | | | | | | | | A | - | - | - |
| 2.7.2.2. Standard Publications | | | | | | | | - | A | - | - |
| 2.7.3. USAF TO System Management | | | | | | | | - | - | - | - |
| 2.7.4. Use TOs to Perform TR: Applicable TOs | | | | | | | | | | | |
| 2.7.4.1. Maintenance | 5 | | | | | | | - | - | - | - |
| 2.7.4.2. Part Number Research | 5 | | | | | | | - | - | - | - |
| 2.7.4.3. Schematics Wiring/Block Diagrams and Logic Trees | 5 | | | | | | | - | - | - | - |
| 2.7.5. Technical Manual (TM) Change Recommendation and Reply (AFTO Form 22) | | | | | | | | A^ | A | - | - |
| 2.7.6. Scope and Application of Computer Program Identification Number (CPIN) System | | | | | | | | A^ | A | - | - |
| 2.7.7. Time Compliance TO | | | | | | | | - | A | - | - |
| 2.7.8. Methods and Procedures TOs | | | | | | | | - | A | - | - |

GENERAL TRAINING REQUIREMENTS

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And Technical References** | Core/Cert^ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 2.8. AVIONIC SUPPORT SUBJECTS | | | | | | | | | | | |
| 2.8.1. Metric Notation | | | | | | | | | | | |
| 2.8.1.1. Powers of Ten | | | | | | | | B^ | - | - | - |
| 2.8.1.2. Electrical Prefixes | | | | | | | | B^ | - | - | - |
| 2.8.1.3. Digital Numbering Systems | | | | | | | | A^ | - | - | - |
| 2.8.2. Test Equipment | | | | | | | | | | | |
| 2.8.2.1. Demonstrate Proper Use of Digital Multimeter | | | | | | | | 2b^ | - | - | - |
| 2.8.2.2. Use Oscilloscope | | | | | | | | 2b | - | - | - |
| 2.8.2.3. Use Wave Generators | | | | | | | | 2b | - | - | - |
| 2.8.3. Basic Electricity | | | | | | | | | | | |
| 2.8.3.1. Direct Current (DC) Principles | | | | | | | | B^ | - | - | - |
| 2.8.3.2. Alternating Current (AC) Principles | | | | | | | | B^ | - | - | - |
| 2.8.4. Resistance | | | | | | | | | | | |
| 2.8.4.1. Theory of Resistance | | | | | | | | B^ | - | - | - |
| 2.8.4.2. Measure Resistance | | | | | | | | 2b^ | - | - | - |
| 2.8.4.3. Capacitance Theory | | | | | | | | B^ | - | - | - |
| 2.8.4.4. Inductance Theory | | | | | | | | B^ | - | - | - |
| 2.8.5. Electromagnetic Devices | | | | | | | | | | | |
| 2.8.5.1. Transformers Principles | | | | | | | | B^ | - | - | - |
| 2.8.6. Relays and Solenoids | | | | | | | | | | | |
| 2.8.6.1. Theory | | | | | | | | B^ | - | - | - |
| 2.8.6.2. Troubleshoot Relay | | | | | | | | 2b^ | - | - | - |
| 2.8.7. Motor Theory | | | | | | | | | | | |
| 2.8.7.1. AC/DC Motor Theory | | | | | | | | A^ | - | - | - |
| 2.8.8. Generator Theory | | | | | | | | | | | |
| 2.8.8.1. AC/DC Generator Theory | | | | | | | | A^ | - | - | - |
| 2.8.8.2. Synchro/Servo Principles | | | | | | | | B^ | - | - | - |
| 2.8.8.3. Transducer Principles | | | | | | | | B^ | - | - | - |
| 2.8.9. Solid State Devices | | | | | | | | | | | |
| 2.8.9.1. Solid State Device Theory | | | | | | | | A^ | - | - | - |
| 2.8.9.2. Diodes (LED, Zener, etc.) | | | | | | | | A^ | - | - | - |
| 2.8.9.3. Integrated Circuits | | | | | | | | A^ | - | - | - |
| 2.8.9.4. Operational Amplifiers | | | | | | | | A^ | - | - | - |
| 2.8.10. Power Supply Circuits | | | | | | | | | | | |
| 2.8.10.1. Power Supply Theory | | | | | | | | B^ | - | - | - |
| 2.8.11. Wave Generating Circuits | | | | | | | | | | | |
| 2.8.11.1. Wave Generating Circuit Theory | | | | | | | | A^ | - | - | - |

GENERAL TRAINING REQUIREMENTS

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And Technical References** | Core/Cert^ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 2.8.12. Digital Logic Circuits | | | | | | | | | | | |
| 2.8.12.1. Digital Logic Theory | | | | | | | | A^ | - | - | - |
| 2.8.12.2. Gates | | | | | | | | A^ | - | - | - |
| 2.8.12.3. Flip Flops | | | | | | | | A^ | - | - | - |
| 2.8.12.4. Digital to Analog/Analog to Digital Converters | | | | | | | | A^ | - | - | - |
| 2.8.13. Basic Computer & Network Fundamentals | | | | | | | | | | | |
| 2.8.13.1. Basic Computer and Network Fundamentals Theory | | | | | | | | B^ | - | - | - |
| 2.8.13.2. Network Components | | | | | | | | B^ | - | - | - |
| 2.8.13.3. Protocols | | | | | | | | B^ | - | - | - |
| 2.8.13.4. Topologies (Architecture) | | | | | | | | B^ | - | - | - |
| 2.8.14. Basic Communications | | | | | | | | | | | |
| 2.8.14.1. Radio Frequency Theory | | | | | | | | A^ | - | - | - |
| 2.8.14.2. Frequency Spectrum | | | | | | | | A^ | - | - | - |
| 2.8.14.3. Modulation (AM/FM) | | | | | | | | A^ | - | - | - |
| 2.8.14.4. Demodulation (AM/FM) | | | | | | | | A^ | - | - | - |
| 2.8.14.5. Receivers/Transmitters | | | | | | | | A^ | - | - | - |
| 2.8.14.6. Transmission Mediums Theory | | | | | | | | A^ | - | - | - |
| 2.8.14.7. Waveguides | | | | | | | | A^ | - | - | - |
| 2.8.14.8. Data Buses | | | | | | | | A^ | - | - | - |
| 2.8.14.9. Fiber Optics | | | | | | | | A^ | - | - | - |
| 2.8.14.10. Coaxial Cables | | | | | | | | A^ | - | - | - |
| 2.8.14.11. Antennas | | | | | | | | A^ | - | - | - |
| 2.9. FUNDAMENTALS OF ON-EQUIPMENT MAINTENANCE TR: Applicable TOs/General Vehicle (GV) Manual; TOs 1-1A-8, 32B14-3-1-101; DAFMAN 91-203 | | | | | | | | | | | |
| 2.9.1. Consolidated Tool Kit (CTK) | | | | | | | | | | | |
| 2.9.1.1. Inventory and Inspect CTKs | 5 | | | | | | | 2b^ | - | - | - |
| 2.9.1.2. Demonstrate Proper Use of Common Tools | 5 | | | | | | | 2b^ | - | - | - |
| 2.9.1.3. Demonstrate Proper Use of Torque Indicating Devices | 5 | | | | | | | 2b^ | b | - | - |
| 2.9.1.4. Special Tool Principles | | | | | | | | - | - | - | - |
| 2.9.1.5. Protection Procedures When Handling Electrostatic Sensitive Devices | | | | | | | | B^ | - | - | - |
| 2.9.1.6. Identify and Perform Corrosion Control | | | | | | | | a^ | - | - | - |

GENERAL TRAINING REQUIREMENTS

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And Technical References** | Core/Cert^ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 2.9.1.7. Tool Accountability | | | | | | | | - | A | - | - |
| 2.9.1.8. Periodic Inspection Composite Tool Kits (CTK) | | | | | | | | - | - | - | - |
| 2.9.1.9. Use Tool Accounting System (TAS/TCMAX) | 5 | | | | | | | - | - | - | - |
| 2.9.2. Demonstrate Proper Use of Safetying Devices TR: TOs 1-1A-8, 1-1A-14 | | | | | | | | | | | |
| 2.9.2.1. Safety Wire | | | | | | | | 2b^ | - | - | - |
| 2.9.2.2. Perform ESD Procedures | 5 | | | | | | | 2b | - | - | - |
| 2.10. WIRE MAINTENANCE TR: TO 1-1A-14, Applicable Aircraft Wire Data (WD) TOs | | | | | | | | | | | |
| 2.10.1. Cables | | | | | | | | | | | |
| 2.10.1.1. Cable Repair TR: TO 00-25-234 | | | | | | | | | | | |
| 2.10.1.1.1. Perform Cable Splicing | | | | | | | | - | - | - | - |
| 2.10.1.1.2. Perform Video Splicing | | | | | | | | - | - | - | - |
| 2.10.1.1.3. Perform Connector Potting | | | | | | | | - | - | - | - |
| 2.10.1.1.4. Perform Fiber Optic Repair | | | | | | | | - | - | - | - |
| 2.10.1.2. Coaxial Cable | | | | | | | | | | | |
| 2.10.1.2.1. Repair | | | | | | | | - | - | - | - |
| 2.10.1.2.2. Fabricate | | | | | | | | - | - | - | - |
| 2.10.1.3. Triaxial Cable | | | | | | | | | | | |
| 2.10.1.3.1. Repair | | | | | | | | - | - | - | - |
| 2.10.1.3.2. Fabricate | | | | | | | | - | - | - | - |
| 2.10.1.4. Multipin Connectors/Cables | | | | | | | | | | | |
| 2.10.1.4.1. Repair | | | | | | | | - | - | - | - |
| 2.10.1.4.2. Fabricate | | | | | | | | - | - | - | - |
| 2.10.2. Assemble Solder-Type Connections | | | | | | | | | | | |
| 2.10.2.1. Terminal Connection | | | | | | | | 2b^ | - | - | - |
| 2.10.2.2. Multipin Connector | | | | | | | | 2b^ | - | - | - |
| 2.10.2.3. Coaxial Connector | | | | | | | | 2b^ | - | - | - |
| 2.10.2.4. Perform Desolder Procedures | | | | | | | | 2b^ | - | - | - |
| 2.10.3. Assemble Solderless-Type Connections | | | | | | | | | | | |
| 2.10.3.1. Coaxial Connector | | | | | | | | 2b^ | - | - | - |
| 2.10.3.2. Multipin Connector | | | | | | | | 2b^ | - | - | - |
| 2.10.3.3. Twin-Axial Connector (Data Bus) | | | | | | | | - | - | - | - |

GENERAL TRAINING REQUIREMENTS

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And Technical References** | Core/Cert^ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 2.10.4. Miscellaneous | | | | | | | | | | | |
| 2.10.4.1. Crimp Terminal Lugs | | | | | | | | 2b^ | - | - | - |
| 2.10.4.2. Crimp Wire Splice | | | | | | | | 2b^ | - | - | - |
| 2.10.4.3. Assemble Shield Termination | | | | | | | | 2b^ | - | - | - |
| 2.11. GENERAL MAINTENANCE PRACTICES | | | | | | | | | | | |
| 2.11.1. Assemble Multipin Connector Harness | | | | | | | | 2b^ | - | - | - |
| 2.11.2. Secure Cable Harness | | | | | | | | 2b^ | - | - | - |
| 2.11.3. Troubleshooting Procedures | | | | | | | | | | | |
| 2.11.3.1. Isolate Wire Open | | | | | | | | 2b^ | - | - | - |
| 2.11.3.2. Isolate Wire Short | | | | | | | | 2b^ | - | - | - |
| 2.11.3.3. Isolate Voltage Fault on Multipin Connector Harness | | | | | | | | 2b^ | - | - | - |
| 2.11.3.4. Isolate Crossed Connection on Multipin Connector Harness | | | | | | | | 2b^ | - | - | - |
| 2.11.4. Equipment/LRUs | | | | | | | | | | | |
| 2.11.4.1. Clean Equipment | | | | | | | | - | - | - | - |
| 2.11.4.2. Lubricate Equipment | | | | | | | | - | - | - | - |
| 2.11.4.3. Pack/Unpack LRUs | | | | | | | | - | - | - | - |
| 2.12. SECURITY TR: DODI 5200.8; AFSSI 4100; AFMAN17-1302-0, DAFI 31-101; AFPD 16-14 | | | | | | | | | | | |
| 2.12.1. Physical Security TR: DAFI 31-101, DODI 5200.8, Applicable weapons security guides | | | | | | | | | | | |
| 2.12.1.1. Classified Equipment | | | | | | | | A | B | - | - |
| 2.12.1.2. Classified Information | | | | | | | | A | B | - | - |
| 2.12.1.3. Command, Control, Communications and Computer (C4) Systems Security | | | | | | | | - | - | - | - |
| 2.12.1.4. System Security Classification Guides | | | | | | | | - | B | - | - |
| 2.12.1.5. Destruction of Classified Information | | | | | | | | - | A | - | - |
| 2.12.2. Communications Security (COMSEC)/Emission Security (EMSEC) TR: AFPD 17-1, AFMAN 17-1302-0 | | | | | | | | | | | |
| 2.12.2.1. Security Violations Prevention | | | | | | | | A | B | - | - |
| 2.12.2.2. Security Precautions | | | | | | | | A | B | - | - |

GENERAL TRAINING REQUIREMENTS

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And Technical References** | Core/Cert^ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 2.12.3. Operations Security (OPSEC) TR: D A F 31-101 A F M A N 1 7 - 1 3 0 2 - 0 AFI 10-701, DAFPD 10-7 | | | | | | | | | | | |
| 2.12.3.1. OPSEC Vulnerabilities of AFSC | | | | | | | | A | - | - | - |
| 2.13. MAINTENANCE, INSPECTION SYSTEMS AND FORMS TR: TOs 00-20-1, 00-20-14 | | | | | | | | | | | |
| 2.13.1. Purpose of the Maintenance Information System (MIS) | | | | | | | | A^ | A | - | - |
| 2.13.2. Use Maintenance Forms TR: TO 00-20-1 | | | | | | | | | | | |
| 2.13.2.1. AFTO Form 350 | 5 | | | | | | | 2b | - | - | - |
| 2.13.2.2. AFTO Form 349 | | | | | | | | - | - | - | - |
| 2.13.2.3. AFTO Form 244 | 5 | | | | | | | - | - | - | - |
| 2.13.2.4. AFTO Form 95 | | | | | | | | - | - | - | - |
| 2.13.2.5. Calibration Forms | 7 | | | | | | | - | - | - | - |
| 2.13.3. Document Automated Forms | | | | | | | | - | - | - | - |
| 2.14. AIR FORCE SUPPLY DISCIPLINE TR: AFI 23-101, USAF S-2A-1, US Federal Logistics Data (FEDLOG), D043 | | | | | | | | | | | |
| 2.14.1. Property Accountability and Responsibility | | | | | | | | A^ | - | - | - |
| 2.14.2. Supply Discipline | | | | | | | | A | B | - | - |
| 2.14.3. Use Supply Cross References | | | | | | | | 2b | - | - | - |
| 2.14.4. Supply Procedures | | | | | | | | | | | |
| 2.14.4.1. Asset Requisition/Turn-In | | | | | | | | - | B | - | - |
| 2.14.4.2. Complete AF Form 2005 | | | | | | | | 2b | - | - | - |
| 2.14.4.3. Document Equipment Condition Tags | 5 | | | | | | | 2b^ | - | - | - |
| 2.14.5. Product Improvement TR: TO 00- 35D-54, TO 00-20-3, DAFI21-101 | | | | | | | | | | | |
| 2.14.5.1. Deficiency Reports | | | | | | | | - | B | - | - |
| 2.14.5.2. Input/Review DR Data | | | | | | | | - | - | - | - |
| 2.14.5.3. Warranty | | | | | | | | - | A | - | - |
| 2.15. METROLOGY | | | | | | | | | | | |
| 2.15.1. Use Calibration Correction Charts | | | | | | | | - | - | - | - |
| 2.15.2. Determine Traceability | | | | | | | | - | - | - | - |

GENERAL TRAINING REQUIREMENTS

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And Technical References** | Core/Cert^ | Deployment */SEI +/- CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 2.15.3. Portable Automatic Test Equipment Calibrator (PATEC) | | | | | | | | | | | |
| 2.15.3.1. PATEC Characteristics | | | | | | | | - | B | - | - |
| 2.16. GENERAL MAINTENANCE PRACTICES | | | | | | | | | | | |
| 2.16.1. Identify Sources of Electromagnetic Interference (EMI) | | | | | | | | B^ | | | |
| 2.16.2. Inspect Equipment | 7 | | | | | | | - | - | - | - |
| 2.16.3. Inspect LRU | | | | | | | | - | - | - | - |
| 2.16.4. Remove and Replace SRUs | | | | | | | | - | - | - | - |
| 2.17. DIRECT SUPPORT EQUIPMENT | | | | | | | | | | | |
| 2.17.1. Test Equipment Care and Handling TR: TOs 00-85B-3, 1-1A-15, 42C-1-1 | | | | | | | | | | | |
| 2.17.1.1. Prepare for Shipment | | | | | | | | - | - | - | - |
| 2.17.1.2. Prepare for Storage | | | | | | | | - | - | - | - |
| 2.17.1.3. Prepare for Climate Conditions | | | | | | | | - | - | - | - |
| 2.18. RF FUNDAMENTALS | | | | | | | | | | | |
| 2.18.1. Principles | | | | | | | | A | B | - | - |
| 2.18.2. Component Types | | | | | | | | A | B | - | - |
| 2.19. TEST EQUIPMENT TR: APPLICABLE EQUIPMENT TO(s)/MANUALS | | | | | | | | | | | |
| 2.19.1. Universal Counter | | | | | | | | - | A | - | - |
| 2.19.2. Power Meter | | | | | | | | - | A | - | - |
| 2.19.3. Frequency Counter | | | | | | | | - | A | - | - |
| 2.19.4. Scalar Network Analyzer | | | | | | | | - | A | - | - |
| 2.19.5. Pulse Generator | | | | | | | | - | A | - | - |
| 2.19.6. Oscilloscope | | | | | | | | - | A | - | - |
| 2.19.7. Spectrum Analyzer | | | | | | | | - | A | - | - |
| 2.19.8. Signal Generator | | | | | | | | - | A | - | - |
| 2.19.9. Digital Multimeter | | | | | | | | - | A | - | - |
| 2.19.10. Time Domain Reflectometer | | | | | | | | - | A | - | - |
| 2.19.11. Audio Oscillator | | | | | | | | - | A | - | - |
| 2.19.12. Radio Frequency Radiation Monitor | | | | | | | | - | A | - | - |

# 2A0X1K COMMON TRAINING REQUIREMENTS

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And Technical References** | Core/Cert\ | Deployment */SEI + / CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| **Note 1:** Proficiency codes in column 4A identify the task/knowledge requirement for resident training. When two codes are used (e.g., 2b/b), the second code indications the level of training provided in the course due to equipment shortages or other constraints; dash (e.g., 2b/-) indicates the item will not be trained until the constraint is eliminated. | | | | | | | | | | | |
| 3. ATTACHMENT 3, 2A0X1K COMMON | | | | | | | | | | | |
| 3.1. MAINTENANCE DATA DOCUMENTATION (MDD) TR: TO 00-20-2 | | | | | | | | | | | |
| 3.1.1. Fundamentals and Application of MDD | | | | | | | | A | B | - | - |
| 3.1.2. Reliability, Availability, Maintainability, Pod (RAMPOD) TR: AFI21-103 | | | | | | | | | | | |
| 3.1.2.1. Global Eye Principles | 5 | | | | | | | A | - | - | - |
| 3.1.2.2. Perform Maintenance Transactions | 5 | | | | | | | 2b | - | - | - |
| 3.1.2.3. Perform Maintenance Inquiries | 5 | | | | | | | 2b | - | - | - |
| 3.1.3. Integrated Maintenance Data System (IMDS) | | | | | | | | | | | |
| 3.1.3.1. IMDS Principles | 5 | | | | | | | A | B | - | - |
| 3.1.3.2. Maintenance Transactions | | | | | | | | - | B | - | - |
| 3.1.3.3. Perform Maintenance Transactions | 5 | | | | | | | 2b | - | - | - |
| 3.1.3.4. Maintenance Inquiries | | | | | | | | - | B | - | - |
| 3.1.3.5. Perform Maintenance Inquiries | 5 | | | | | | | 2b | - | - | - |
| 3.1.3.6. Supply Transactions | | | | | | | | - | B | - | - |
| 3.1.3.7. Perform Supply Transactions | 5 | | | | | | | 2b | - | - | - |
| 3.1.3.8. Management/Supervision/ Training Transactions | | | | | | | | - | - | - | - |
| 3.2. ELECTRONIC WARFARE COMBAT FUNDAMENTALS | | | | | | | | | | | |
| 3.2.1. Principles | | | | | | | | A | - | - | - |
| 3.2.2. Component Types | | | | | | | | - | - | - | - |
| 3.2.3. Electronic Combat | | | | | | | | - | - | - | - |
| 3.2.4. Directed Radio Frequency (RF) Radiation | | | | | | | | - | - | - | - |
| 3.2.5. Electronic Warfare Categories | | | | | | | | - | - | - | - |
| 3.2.6. Integrated Air Defense Systems | | | | | | | | | | | |

# 2A0X1K COMMON TRAINING REQUIREMENTS

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And Technical References** | Core/Cert^ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 3.3. RF FUNDAMENTALS | | | | | | | | | | | |
| 3.3.1. RF Troubleshooting Principles | | | | | | | | A | B | - | - |
| 3.4. TEST STATION PRINCIPLES TR: APPLICABLE TEST STATION TOs | | | | | | | | | | | |
| 3.4.1. Power Distribution | | | | | | | | A | A | - | - |
| 3.4.2. Emergency Shutdown | | | | | | | | A | A | - | - |
| 3.4.3. Stimulus Devices | | | | | | | | A | A | - | - |
| 3.4.5. Measurement Devices | | | | | | | | A | A | - | - |
| 3.4.6. Computer Control | | | | | | | | A | A | - | - |
| 3.4.7. Bus Communication Standard | | | | | | | | A | A | - | - |
| 3.4.8. Signal Routing | | | | | | | | A | A | | |
| 3.5. USE TEST EQUIPMENT TR: APPLICABLE EQUIPMENT TO(s)/MAUNALS | | | | | | | | | | | |
| 3.5.1. Universal Counter | | | | | | | | - | - | - | - |
| 3.5.2. Power Meter | 7 | | | | | | | - | - | - | - |
| 3.5.3. Frequency Counter | | | | | | | | - | - | - | - |
| 3.5.4. Scalar Network Analyzer | | | | | | | | - | - | - | - |
| 3.5.5. Pulse Generator | | | | | | | | - | - | - | - |
| 3.5.6. Oscilloscope | 7 | | | | | | | - | - | - | - |
| 3.5.7. Spectrum Analyzer | 7 | | | | | | | - | - | - | - |
| 3.5.8. Signal Generator | | | | | | | | - | - | - | - |
| 3.5.9. Digital Multimeter | 5 | | | | | | | - | - | - | - |
| 3.5.10. Time Domain Reflectometer | | | | | | | | - | - | - | - |
| 3.6. TEST LANGUAGES TR: TOs 33D7-38-111-1-3, 33D7-38-111-18-1, 33D7-38-111-82; NA-84-110H | | | | | | | | | | | |
| 3.6.1. Non-test Statement Analysis | | | | | | | | | | | |
| 3.6.1.1. Data Declaration | | | | | | | | - | A | - | - |
| 3.6.1.2. Calculate/Compare | | | | | | | | - | A | - | - |
| 3.6.1.3. Decision/Branching | | | | | | | | - | A | - | - |
| 3.6.1.4. Input/Output/Delay | | | | | | | | - | A | - | - |
| 3.6.2 Test Statement Analysis | | | | | | | | | | | |
| 3.6.2.1. Analog Stimulus | | | | | | | | - | A | - | - |
| 3.6.2.2. Analog Measurement | | | | | | | | - | A | - | - |
| 3.6.2.3. Digital Test | | | | | | | | - | A | - | - |
| 3.6.3. Protocol Theory | | | | | | | | - | A | - | - |
| 3.6.4. System Procedures | | | | | | | | - | A | - | - |
| 3.6.5. Program Structure | | | | | | | | - | A | - | - |

# 2A0X1K COMMON TRAINING REQUIREMENTS

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And Technical References** | Core/Cert^ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 3.7. AIRCRAFT SYSTEMS THEORY | | | | | | | | | | | |
| 3.7.1. Radar Systems | | | | | | | | - | - | - | - |
| 3.7.2. Identification Friend or Foe (IFF) | | | | | | | | - | - | - | - |
| 3.7.3. Radio/RADAR Altimeter | | | | | | | | - | - | - | - |
| 3.7.4. Flight Control Systems | | | | | | | | - | - | - | - |
| 3.7.5. Weapons Delivery System | | | | | | | | - | - | - | - |
| 3.7.6. Air Data Systems | | | | | | | | A | B | - | - |
| 3.7.7. Electronic Counter Measures | | | | | | | | - | - | - | - |
| 3.7.8. Flight Instruments | | | | | | | | - | - | - | - |
| 3.7.9. Bussing and Multiplex Systems | | | | | | | | - | - | - | - |
| 3.7.10. Avionic Integration and Control Systems | | | | | | | | - | - | - | - |
| 3.7.11. Displays | | | | | | | | - | - | - | - |
| 3.7.12. Navigation Systems | | | | | | | | | | | |
| 3.7.12.1. Inertial Navigation System (INS) | | | | | | | | - | - | - | - |
| 3.7.12.2. Tactical Air Navigation (TACAN) System | | | | | | | | - | - | - | - |
| 3.7.12.3. Global Positioning System (GPS) | | | | | | | | - | - | - | - |
| 3.7.12.4. VHF Omni Range/Instrument Landing System/Microwave Landing System (VOR/ILS/MLS) | | | | | | | | - | - | - | - |
| 3.7.12.5. Compass Systems | | | | | | | | - | - | - | - |
| 3.7.12.6. Embedded GPS/INS | | | | | | | | - | - | - | - |
| 3.7.13. Communication Systems | | | | | | | | | | | |
| 3.7.13.1. UHF | | | | | | | | A | B | - | - |
| 3.7.13.2. VHF | | | | | | | | A | B | - | - |
| 3.7.13.3. HF | | | | | | | | - | - | - | - |
| 3.7.13.4. Interphone/PA System | | | | | | | | - | - | - | - |
| 3.7.14. Propulsion Management Systems | | | | | | | | | | | |
| 3.7.14.1. Theory | | | | | | | | - | - | - | - |
| 3.8. ADVANCED TROUBLESHOOTING TR: TO 00-20-3 | | | | | | | | | | | |
| 3.8.1. Test Stations | | | | | | | | - | - | - | - |
| 3.8.2. LRUs | | | | | | | | - | - | - | - |

# A-10 TRAINING REQUIREMENTS

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And Technical References** | Core/Cert^ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| **Note 1:** Proficiency codes in column 4A identify the task/knowledge requirement for resident training. When two codes are used (e.g., 2b/b), the second code indications the level of training provided in the course due to equipment shortages or other constraints; dash (e.g., 2b/-) indicates the item will not be trained until the constraint is eliminated. | | | | | | | | | | | |
| 4. ATTACHMENT 4, A-10 TRAINING REQUIREMENTS | | | | | | | | | | | |
| 4.1. OPERATE APPLICABLE MIS TR: DAFI 21-101 | | | | | | | | | | | |
| 4.1.1. Historical Records | | | | | | | | - | - | - | - |
| 4.1.2. Status Reports | | | | | | | | - | - | - | - |
| 4.1.3. Configuration Management | | | | | | | | - | - | - | - |
| 4.2. DATA TRANSFER EQUIPMENT | | | | | | | | | | | |
| 4.2.1. Data Transfer Principles | | | | | | | | - | A | - | - |
| 4.2.2. Operate Data Transfer Equipment | | | | | | | | - | - | - | - |
| 4.2.3. SERENE BYTE/PACERWARE Principles | | | | | | | | - | A | - | - |
| 4.3. SOFTWARE SYSTEM | | | | | | | | | | | |
| 4.3.1. Theory of System Software Functions TR: Use Aircraft Specific TOs | | | | | | | | | | | |
| 4.3.1.1. Control & Support (C&S) Software | | | | | | | | | | | |
| 4.3.1.1.1. Test Operating System (TOS) | | | | | | | | - | - | - | - |
| 4.3.1.1.2. Test Executive (TEX) | | | | | | | | - | - | - | - |
| 4.3.1.1.3. On-line Compiler (OLC) | | | | | | | | - | - | - | - |
| 4.3.1.1.4. File Manager (FMX) | | | | | | | | - | - | - | - |
| 4.3.1.1.5. Change Analysis (CAP) | | | | | | | | - | - | - | - |
| 4.3.1.2. Utility Programs | | | | | | | | | | | |
| 4.3.1.2.1. Find Align | | | | | | | | - | - | - | - |
| 4.3.1.2.2. CALS Mods | | | | | | | | - | - | - | - |
| 4.3.1.3. Software Procedures | | | | | | | | | | | |
| 4.3.1.3.1. Executive Software Commands | | | | | | | | | | | |
| 4.3.1.3.1.1. Control and Support (C&S) Software | | | | | | | | | | | |
| 4.3.1.3.1.1.1. TOS | | | | | | | | - | - | - | - |
| 4.3.1.3.1.1.2. TEX | | | | | | | | - | - | - | - |
| 4.3.1.3.1.1.3. OLC | | | | | | | | - | - | - | - |
| 4.3.1.3.1.1.4. CAP | | | | | | | | - | - | - | - |
| 4.3.1.3.1.1.5. FMX | | | | | | | | - | - | - | - |

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And TechnicalReferences** | Core/Cert^ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 4.3.1.3.1.2. Test Software | | | | | | | | | | | |
| 4.3.1.3.1.2.1. ATE | | | | | | | | - | - | - | - |
| 4.3.1.3.1.2.2. ITA | | | | | | | | - | - | - | - |
| 4.3.1.3.1.2.3. LRU | | | | | | | | - | - | - | - |
| 4.3.1.3.1.3. Utility Programs | | | | | | | | | | | |
| 4.3.1.3.1.3.1. Find Align | | | | | | | | - | - | - | - |
| 4.3.1.3.1.3.2. CALS Mods | | | | | | | | - | - | - | - |
| 4.3.1.3.1.3.3. Use Software Commands to Isolate Faults | | | | | | | | - | - | - | - |
| 4.4. COMMON MANUAL SYSTEMS | | | | | | | | | | | |
| 4.4.1. Communication System | | | | | | | | | | | |
| 4.4.1.1. UHF | | | | | | | | | | | |
| 4.4.1.1.1. UHF System (AN/ARC164(C)) | | | | | | | | | | | |
| 4.4.1.1.1.1. Radio Test Set | | | | | | | | | | | |
| 4.4.1.1.1.1.1. Theory of Operation | | | | | | | | - | A | - | - |
| 4.4.1.1.1.1.2. Operate | | | | | | | | - | - | - | - |
| 4.4.1.1.1.1.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 4.4.1.1.1.2. UHF R/T TR: TOs 12R2-2ARC164-Series | | | | | | | | | | | |
| 4.4.1.1.1.2.1. Theory of Operation | | | | | | | | A | A | - | - |
| 4.4.1.1.1.2.2. Perform Maintenance Testing | | | | | | | | 2b | - | - | - |
| 4.4.1.1.1.2.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 4.4.1.1.1.3. Radio Set Control TR: TOs 12R2-2ARC164-32, 12R2- 2ARC164-92 | | | | | | | | | | | |
| 4.4.1.1.1.3.1. Theory of Operation | | | | | | | | - | - | - | - |
| 4.4.1.1.1.3.2. Perform Maintenance Testing | | | | | | | | - | - | - | - |
| 4.4.1.1.1.3.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 4.4.1.1.1.4. Channel Frequency Indicator TR: TO 12R2-2ARC164-32 | | | | | | | | | | | |
| 4.4.1.1.1.4.1. Theory of Operation | | | | | | | | - | - | - | - |
| 4.4.1.1.1.4.2. Perform Maintenance Testing | | | | | | | | - | - | - | - |
| 4.4.1.1.1.4.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 4.4.2. Tactical Air Navigation (TACAN) Mount TR: TO 12R5-4-106-8-3 | | | | | | | | | | | |
| 4.4.2.1. Operational Check | | | | | | | | - | - | - | - |
| 4.4.2.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 4.4.3. Tactical Air Navigation (TACAN) R/T TR: TO 12R5-4-106-8-3 | | | | | | | | | | | |
| 4.4.3.1. Operational Check | | | | | | | | - | - | - | - |
| 4.4.3.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And TechnicalReferences** | Core/Cert^ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 4.5. IMPROVED AVIONICS INTERMEDIATE SHOP (IAIS) TEST STATION TR: TO 33D7-38-291-2, TO33D7-38-291-18-2 | | | | | | | | | | | |
| 4.5.1. Emergency Shutdown | | | | | | | | - | - | - | - |
| 4.5.2. Classified Pre/Post Processing | | | | | | | | - | - | - | - |
| 4.5.3. Peculiar ATLAS Statements | | | | | | | | - | - | - | - |
| 4.5.4. Peculiar Subsystems TR: TO 33D7-38-291 Series | | | | | | | | | | | |
| 4.5.4.1. Theory of Operation | | | | | | | | | | | |
| 4.5.4.1.1. Interface Unit (IU) | | | | | | | | - | - | - | - |
| 4.5.4.1.2. Control and Display Unit (CDU) | | | | | | | | - | - | - | - |
| 4.5.4.1.3. Instrument Unit A (IUA)/IUA VXI | | | | | | | | - | - | - | - |
| 4.5.4.1.4. Instrument Unit B (IUB)/IUB VXI | | | | | | | | - | - | - | - |
| 4.5.4.1.5. Microwave Stimulus Unit (MSU) | | | | | | | | - | - | - | - |
| 4.5.4.1.6. Microwave Measurement Unit (MMU) | | | | | | | | - | - | - | - |
| 4.5.4.1.7. Microwave Unit (MU) VXI | | | | | | | | - | - | - | - |
| 4.5.4.1.8. Power Control Unit (PCU) | | | | | | | | - | - | - | - |
| 4.5.4.1.9. Power Supply Unit (PSU) | | | | | | | | - | - | - | - |
| 4.5.4.1.10. Refrigeration Unit | | | | | | | | - | - | - | - |
| 4.5.4.1.11. Blower Unit | | | | | | | | - | - | - | - |
| 4.5.4.1.12. Frequency Changer Unit (FCU) | | | | | | | | - | - | - | - |
| 4.5.4.1.13. Optical Test Bench (OTB) | | | | | | | | - | - | - | - |
| 4.5.4.2. Isolate/Repair Malfunctions | | | | | | | | | | | |
| 4.5.4.2.1. IU | 5 | | | | | | | - | - | - | - |
| 4.5.4.2.2. CDU | | | | | | | | - | - | - | - |
| 4.5.4.2.3. IUA/IUA VXI | 5 | | | | | | | - | - | - | - |
| 4.5.4.2.4. IUB/IUB VXI | 5 | | | | | | | - | - | - | - |
| 4.5.4.2.5. MSU | | | | | | | | - | - | - | - |
| 4.5.4.2.6. MMU | | | | | | | | - | - | - | - |
| 4.5.4.2.7. Microwave Unit (MU) VXI | | | | | | | | - | - | - | - |
| 4.5.4.2.8. PCU | | | | | | | | - | - | - | - |
| 4.5.4.2.9. PSU | | | | | | | | - | - | - | - |
| 4.5.4.2.10. Refrigeration Unit | | | | | | | | - | - | - | - |
| 4.5.4.2.11. Blower Unit | 5 | | | | | | | - | - | - | - |
| 4.5.4.2.12. FCU | | | | | | | | - | - | - | - |
| 4.5.4.2.13. OTB | | | | | | | | - | - | - | - |

A-10 TRAINING REQUIREMENTS

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And TechnicalReferences** | Core/Cert^ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 4.5.4.3. Perform Semi-Automatic Tests | | | | | | | | | | | |
| 4.5.4.3.1. CONF | 5 | | | | | | | - | - | - | - |
| 4.5.4.3.2. DIAG | 5 | | | | | | | - | - | - | - |
| 4.5.4.3.3. ALIN | 5 | | | | | | | - | - | - | - |
| 4.5.4.3.4. CALS | 7 | | | | | | | - | - | - | - |
| 4.5.4.4. Perform Manual Alignment and Adjustment | | | | | | | | | | | |
| 4.5.4.4.1. IU | | | | | | | | - | - | - | - |
| 4.5.4.4.2. IUA | 5 | | | | | | | - | - | - | - |
| 4.5.4.4.3. IUB | 5 | | | | | | | - | - | - | - |
| 4.5.4.4.4. PCU | | | | | | | | - | - | - | - |
| 4.5.4.4.5. PSU | | | | | | | | - | - | - | - |
| 4.5.4.4.6. Blower Unit | 5 | | | | | | | - | - | - | - |
| 4.5.4.4.7. FCU | | | | | | | | - | - | - | - |
| 4.5.4.4.8. OTB | | | | | | | | - | - | - | - |
| 4.5.5. IAIS LRUs | | | | | | | | | | | |
| 4.5.5.1. EPU/IEPU | | | | | | | | | | | |
| 4.5.5.1.1. Theory of Operation | | | | | | | | - | - | - | - |
| 4.5.5.1.2. Perform Maintenance Testing | | | | | | | | - | - | - | - |
| 4.5.5.1.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 4.5.5.2. IFCC | | | | | | | | | | | |
| 4.5.5.2.1. Theory of Operation | | | | | | | | - | - | - | - |
| 4.5.5.2.2. Perform Maintenance Testing | | | | | | | | - | - | - | - |
| 4.5.5.2.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 4.5.5.3. Signal Processor (SP) (AN/ALR-69) TR: TOs 12P3-2ALR69- Series, 33D7-50-403-Series | | | | | | | | | | | |
| 4.5.5.3.1. Theory of Operation | | | | | | | | - | - | - | - |
| 4.5.5.3.2. Operational Check | 5 | | | | | | | - | - | - | - |
| 4.5.5.3.3. Isolate/Repair Malfunctions | 7 | | | | | | | - | - | - | - |
| 4.6. MANUAL SUPPORT EQUIPMENT/LRU MAINTENANCE | | | | | | | | | | | |
| 4.6.1. CAPRE TR: 33D7-3-27- Series | | | | | | | | | | | |
| 4.6.1.1. EW Programming | | | | | | | | - | - | - | - |
| 4.6.1.2. AIS Software Updates | | | | | | | | - | - | - | - |
| 4.6.2. Direction Finder Group Test Set (970V-1) TR: TO 33D2-8-363-1 | | | | | | | | | | | |
| 4.6.2.1. Operate | | | | | | | | - | - | - | - |
| 4.6.2.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 4.6.2.3. Calibrate | | | | | | | | - | - | - | - |

A-10 TRAINING REQUIREMENTS

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And TechnicalReferences** | Core/Cert^ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 4.6.3. Direction Finder Antenna (DF- 301) TR: TO 12R5-4-154-1 | | | | | | | | | | | |
| 4.6.3.1. Theory of Operation | | | | | | | | - | - | - | - |
| 4.6.3.2. Perform Maintenance Testing | | | | | | | | - | - | - | - |
| 4.6.3.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 4.6.4. Antenna Test Set (AN/ARM- 115) TR: TO 33D7-35-35-1 | | | | | | | | | | | |
| 4.6.4.1. Operate | | | | | | | | - | - | - | - |
| 4.6.4.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 4.6.5. FM Antenna (437S-1C) TR: TO 12R2-4-95-1 | | | | | | | | | | | |
| 4.6.5.1. Theory of Operation | | | | | | | | - | - | - | - |
| 4.6.5.2. Perform Maintenance Testing | | | | | | | | - | - | - | - |
| 4.6.5.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 4.6.6. FM Signal Data Comparator TR: TO 12R2-2ARC186-2 | | | | | | | | | | | |
| 4.6.6.1. Theory of Operation | | | | | | | | - | - | - | - |
| 4.6.6.2. Perform Maintenance Testing | | | | | | | | - | - | - | - |
| 4.6.6.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 4.7. MISCELLANEOUS COMM SYSTEMS | | | | | | | | | | | |
| 4.7.1. Intercommunication Panel | | | | | | | | | | | |
| 4.7.1.1. Test | | | | | | | | - | - | - | - |
| 4.7.1.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 4.8. WEAPONS CONTROL SYSTEMS | | | | | | | | | | | |
| 4.8.1. HUD System LRU Test Set TR: TOs 33D2-46-5 Series | | | | | | | | | | | |
| 4.8.1.1. Operate | | | | | | | | - | - | - | - |
| 4.8.1.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 4.8.1.3. Calibrate | | | | | | | | - | - | - | - |
| 4.8.2. HUD Boresight Fixture TR: TO 33D7-27-14-1 | | | | | | | | | | | |
| 4.8.2.1. Operate | | | | | | | | - | - | - | - |
| 4.8.2.2. Align | | | | | | | | - | - | - | - |
| 4.9. STABILITY AUGMENTATION SYSTEM (SAS) | | | | | | | | | | | |
| 4.9.1. SAS Computer Test Set TR: TO 33D2-33-4-1 | | | | | | | | | | | |
| 4.9.1.1. Operate | | | | | | | | - | - | - | - |
| 4.9.1.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 4.9.1.3. Calibrate | | | | | | | | - | - | - | - |

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And TechnicalReferences** | Core/Cert^ | Deployment */SEI + / CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 4.9.2. Rate Table TR: TO 33D3-10-36-1 | | | | | | | | | | | |
| 4.9.2.1. Operate | | | | | | | | - | - | - | - |
| 4.9.2.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 4.9.2.3. Calibrate | | | | | | | | - | - | - | - |
| 4.9.3. SAS Control Panel TR: TO 5A13-5-17-3 | | | | | | | | | | | |
| 4.9.3.1. Theory of Operation | | | | | | | | - | - | - | - |
| 4.9.3.2. Perform Maintenance Testing | | | | | | | | - | - | - | - |
| 4.9.3.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 4.10. FUEL QUANTITY INDICATION SYSTEM | | | | | | | | | | | |
| 4.10.1. Fuel Quantity Test Set TR: TO 33D2-3-88-1 | | | | | | | | | | | |
| 4.10.1.1. Operate | | | | | | | | - | - | - | - |
| 4.10.1.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 4.10.1.3. Calibrate | | | | | | | | - | - | - | - |
| 4.10.2. Fuel Quantity Intermediate Device TR: TO 5L3-2-4-3 | | | | | | | | | | | |
| 4.10.2.1. Theory of Operation | | | | | | | | - | - | - | - |
| 4.10.2.2. Perform Maintenance Testing | | | | | | | | - | - | - | - |
| 4.10.2.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 4.10.3. Fuel Quantity Indicator TR: TO 5L6-3-67-3 | | | | | | | | | | | |
| 4.10.3.1. Theory of Operation | | | | | | | | - | - | - | - |
| 4.10.3.2. Perform Maintenance Testing | | | | | | | | - | - | - | - |
| 4.11. AIR DATA AND INSTRUMENT SYSTEMS | | | | | | | | | | | |
| 4.11.1. Pneumatic Test Set TR: Applicable TO | | | | | | | | | | | |
| 4.11.1.1. Operate | 5 | | | | | | | - | - | - | - |
| 4.11.1.2. Troubleshoot | | | | | | | | - | - | - | - |
| 4.11.2. Altitude Encoder Test Set (TTU-229)<br>TR: TO 33D7-3-101-11 | | | | | | | | | | | |
| 4.11.2.1. Operate | | | | | | | | - | - | - | - |
| 4.11.2.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 4.12. HSI TEST SET TR: 33D2-6- 218-1 | | | | | | | | | | | |
| 4.12.1. Operate | | | | | | | | - | - | - | - |
| 4.12.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 4.13. UNIVERSAL ATTITUDE INDICATOR TEST SET<br>TR: TO 33D3-17-9-1 | | | | | | | | | | | |
| 4.13.1. Operate | | | | | | | | - | - | - | - |
| 4.13.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |

| 1. Tasks, Knowledge And TechnicalReferences | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Core/Cert^ | Deployment */SEI + / CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 4.14. ALPHA-MACH COMPUTER TEST SET TR:TO 33D7-10-105-1 | | | | | | | | | | | |
| 4.14.1. Operate | | | | | | | | - | - | - | - |
| 4.14.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 4.14.3. Calibrate | | | | | | | | - | - | - | - |
| 4.15. STANDBY ATTITUDE INDICATOR TEST SET TR: TO 33D2-6-225-1 | | | | | | | | | | | |
| 4.15.1. Operate | | | | | | | | - | - | - | - |
| 4.15.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 4.15.3. Calibrate | | | | | | | | - | - | - | - |
| 4.15.4. Altimeter TR: TO 5F3-3-28-2 | | | | | | | | | | | |
| 4.15.4.1. Theory of Operation | | | | | | | | - | - | - | - |
| 4.15.4.2. Perform Maintenance Testing | | | | | | | | - | - | - | - |
| 4.15.4.3. Adjust | | | | | | | | - | - | - | - |
| 4.15.5. Vertical Velocity Indicator TR: TO 5F8-9-12-3 | | | | | | | | | | | |
| 4.15.5.1. Theory of Operation | | | | | | | | - | - | - | - |
| 4.15.5.2. Perform Maintenance Testing | | | | | | | | - | - | - | - |
| 4.15.6. Airspeed Indicator TR: TO 5F8-2-65-3 | | | | | | | | | | | |
| 4.15.6.1. Theory of Operation | | | | | | | | - | - | - | - |
| 4.15.6.2. Perform Maintenance Testing | | | | | | | | - | - | - | - |
| 4.15.7. Triple Airspeed Switch TR: TO 8S2-9-13-3 | | | | | | | | | | | |
| 4.15.7.1. Theory of Operation | | | | | | | | - | - | - | - |
| 4.15.7.2. Perform Maintenance Testing | 5 | | | | | | | - | - | - | - |
| 4.15.7.3. Perform Adjustment | | | | | | | | - | - | - | - |
| 4.15.8. Standby Attitude Indicator (SAI) TR: TO 5F8-3-34-2 | | | | | | | | | | | |
| 4.15.8.1. Theory of Operation | | | | | | | | - | - | - | - |
| 4.15.8.2. Perform Maintenance Testing | | | | | | | | - | - | - | - |
| 4.15.9 Alpha-Mach Computer TR: TO 5F5-9-4-3 | | | | | | | | | | | |
| 4.15.9.1. Theory of Operation | | | | | | | | - | - | - | - |
| 4.15.9.2. Perform Maintenance Testing | | | | | | | | - | - | - | - |
| 4.15.9.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 4.15.10. Attitude Director Indicator (ADI) TR: TO 5F8-3-24-3 | | | | | | | | | | | |
| 4.15.10.1. Theory of Operation | | | | | | | | - | - | - | - |
| 4.15.10.2. Perform Maintenance Testing | | | | | | | | - | - | - | - |

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And TechnicalReferences** | Core/Cert\ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 4.15.11. Horizontal Situation Indicator (HSI) TR: TO 5F8-16-5-2 | | | | | | | | | | | |
| 4.15.11.1. Theory of Operation | | | | | | | | - | - | - | - |
| 4.15.11.2. Perform Maintenance Testing | | | | | | | | - | - | - | - |
| 4.16. HEADING ATTITUDE REFERENCE SYSTEM (HARS) | | | | | | | | | | | |
| 4.16.1. HARS Test Set TR: TO 33D3- 9-165-1 | | | | | | | | | | | |
| 4.16.1.1. Operate | | | | | | | | - | - | - | - |
| 4.16.1.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 4.16.1.3. Calibrate | | | | | | | | - | - | - | - |
| 4.16.2. Scorsby Test Stand TR: TO 33D2-8-14-171 | | | | | | | | | | | |
| 4.16.2.1. Operate | | | | | | | | - | - | - | - |
| 4.16.2.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 4.16.3. 3-Axis Table TR: TO 33D3-10-32-1 | | | | | | | | | | | |
| 4.16.3.1. Operate | | | | | | | | - | - | - | - |
| 4.16.3.2. Adjust | | | | | | | | - | - | - | - |
| 4.16.4. Displacement Gyro TR: TO 5A1-9-4-2 | | | | | | | | | | | |
| 4.16.4.1. Theory of Operation | | | | | | | | - | - | - | - |
| 4.16.4.2. Perform Maintenance Testing | | | | | | | | - | - | - | - |
| 4.16.4.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 4.16.5. Electronic Control Amplifier TR: TO 5A1-9-4-2 | | | | | | | | | | | |
| 4.16.5.1. Theory of Operation | | | | | | | | - | - | - | - |
| 4.16.5.2. Perform Maintenance Testing | | | | | | | | - | - | - | - |
| 4.16.5.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 4.16.6. Compass System Controller TR: TO 5A1-9-4-2 | | | | | | | | | | | |
| 4.16.6.1. Theory of Operation | | | | | | | | - | - | - | - |
| 4.16.6.2. Perform Maintenance Testing | | | | | | | | - | - | - | - |
| 4.16.6.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 4.17. FLIGHT DIRECTOR SYSTEM | | | | | | | | | | | |
| 4.17.1. Flight Director Computer Test Set TR: TO 33D7-3-178-1 | | | | | | | | | | | |
| 4.17.1.1. Operate | | | | | | | | - | - | - | - |
| 4.17.1.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 4.17.1.3. Calibrate | | | | | | | | - | - | - | - |

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And TechnicalReferences** | Core/Cert^ | Deployment */SEI + / CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 4.17.2. Flight Director Computer TR: TO 5F5-8-7-2 | | | | | | | | | | | |
| 4.17.2.1. Theory of Operation | | | | | | | | - | - | - | - |
| 4.17.2.2. Perform Maintenance Testing | | | | | | | | - | - | - | - |
| 4.17.2.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 4.18. A-10 GENERAL AVIONIC COMPONENTS | | | | | | | | | | | |
| 4.18.1. Navigation Mode Select Panel TR: TO 8C21-28-2 | | | | | | | | | | | |
| 4.18.1.1. Test | | | | | | | | - | - | - | - |
| 4.18.1.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 4.18.2. Navigation Mode Select Relay Box TR: TO 8R3-172-2 | | | | | | | | | | | |
| 4.18.2.1. Test | 5 | | | | | | | - | - | - | - |
| 4.18.2.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 4.18.3. Avionic Relay Box TR: TO 8R3-157-2 | | | | | | | | | | | |
| 4.18.3.1. Test | 5 | | | | | | | - | - | - | - |
| 4.18.3.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 4.18.4. Antenna Select Control Panel Assembly TR: TO 8C21-2-2 | | | | | | | | | | | |
| 4.18.4.1. Test | | | | | | | | - | - | - | - |
| 4.18.4.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 4.18.5. "G" Meter TR: TO 5F2-28- 32 | | | | | | | | | | | |
| 4.18.5.1. Test | | | | | | | | - | - | - | - |
| 4.18.6. Intercommunication Panel TR: TO 12R2-2AIC28-2 | | | | | | | | | | | |
| 4.18.6.1. Test | | | | | | | | - | - | - | - |
| 4.18.6.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 4.18.7. Magnetic Azimuth Detector Simulator TR: TO 33D2-8-368-1 | | | | | | | | | | | |
| 4.18.7.1. Calibrate | | | | | | | | - | - | - | - |
| 4.18.7.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 4.19. AUTOMATIC WIRE TEST SET (AWTS) TR: TO 33D7-28-34-1 | | | | | | | | | | | |
| 4.19.1. Basics | | | | | | | | | | | |
| 4.19.1.1. Operate | | | | | | | | - | - | - | - |
| 4.19.1.2. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 4.19.1.3. Calibrate | | | | | | | | - | - | - | - |
| 4.19.2. Relay boxes | | | | | | | | | | | |
| 4.19.2.1. Test | | | | | | | | - | - | - | - |
| 4.19.2.2. Isolate/Repair | | | | | | | | - | - | - | - |

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And TechnicalReferences** | Core/Cert\ | Deployment */SEI + / CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 4.19.3. Pylons | | | | | | | | | | | |
| 4.19.3.1. Test | | | | | | | | - | - | - | - |
| 4.19.3.2. Isolate/Repair | | | | | | | | - | - | - | - |
| 4.19.4. Control Stick/Throttle | | | | | | | | | | | |
| 4.19.4.1. Test | | | | | | | | - | - | - | - |
| 4.19.4.2. Isolate/Repair | | | | | | | | - | - | - | - |
| 4.19.5. ILS Receiver | | | | | | | | | | | |
| 4.19.5.1. Test | | | | | | | | - | - | - | - |
| 4.19.5.2. Isolate/Repair | | | | | | | | - | - | - | - |
| 4.20. AN/ARM 304 RADIO TEST SET TR: TO 33A1-12-1430-1 | | | | | | | | | | | |
| 4.20.1. Theory of Operation | | | | | | | | - | - | - | - |
| 4.20.2. Perform Self-test | | | | | | | | - | - | - | - |
| 4.20.3. Perform UHF Test/Alignment | | | | | | | | - | - | - | - |
| 4.20.4. Perform Troubleshooting | | | | | | | | - | - | - | - |

# F-16 TRAINING REQUIREMENTS

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And TechnicalReferences** | Core/Cert\ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| **Note 1:** Proficiency codes in column 4A identify the task/knowledge requirement for resident training. When two codes are used (e.g., 2b/b), the second code indications the level of training provided in the course due to equipment shortages or other constraints; dash (e.g., 2b/-) indicates the item will not be trained until the constraint is eliminated. | | | | | | | | | | | |
| 5. ATTACHMENT 5, F-16 TRAINING REQUIREMENTS (Units with multiple AIS test stations will only upgrade to 5/7 level on one test station as determined by workcenter supervisor) | | | | | | | | | | | |
| 5.1. OPERATE APPLICABLE MAINTENTANCE INFORMATIONSYSTEM (MIS) TR: DAFI 21-101 | | | | | | | | | | | |
| 5.1.1. Historical Records | | | | | | | | - | - | - | - |
| 5.1.2. Status Reports | | | | | | | | - | - | - | - |
| 5.1.3. Configuration Management | | | | | | | | - | - | - | - |
| 5.2. DATA TRANSFER EQUIPMENT | | | | | | | | | | | |
| 5.2.1. Data Transfer Principles | | | | | | | | - | A | - | - |
| 5.2.2. Operate Data Transfer Equipment | | | | | | | | - | - | - | - |
| 5.2.3. SERENE BYTE/PACERWARE Principles | | | | | | | | - | A | - | - |
| 5.3. SOFTWARE SYSTEM | | | | | | | | | | | |
| 5.3.1. Theory of System Software Functions TR: Use Aircraft Specific TOs | | | | | | | | | | | |
| 5.3.1.1. Control & Support (C&S) Software | | | | | | | | | | | |
| 5.3.1.1.1. Test Operating System (TOS) | | | | | | | | - | - | - | - |
| 5.3.1.1.2. Test Executive (TEX) | | | | | | | | - | - | - | - |
| 5.3.1.1.3. On-Line Compiler (OLC) | | | | | | | | - | - | - | - |
| 5.3.1.1.4. File Manager (FMX) | | | | | | | | - | - | - | - |
| 5.3.1.1.5. Change Analysis (CAP) | | | | | | | | - | - | - | - |
| 5.3.1.2. Utility Programs | | | | | | | | | | | |
| 5.3.1.2.1. Find Align | | | | | | | | - | - | - | - |
| 5.3.1.2.2. CALS Mods | | | | | | | | - | - | - | - |
| 5.3.2. Software Procedures | | | | | | | | | | | |
| 5.3.2.1. Execute Software Commands | | | | | | | | | | | |
| 5.3.2.1.1. Control & Support Software | | | | | | | | | | | |

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And TechnicalReferences** | Core/Cert^ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 5.3.2.1.1.1. TOS | | | | | | | | - | - | - | - |
| 5.3.2.1.1.2. TEX | | | | | | | | - | - | - | - |
| 5.3.2.1.1.3. OLC | | | | | | | | - | - | - | - |
| 5.3.2.1.1.4. CAP | | | | | | | | - | - | - | - |
| 5.3.2.1.1.5. FMX | | | | | | | | - | - | - | - |
| 5.3.2.1.2. Test Software | | | | | | | | | | | |
| 5.3.2.1.2.1. ATE | | | | | | | | - | - | - | - |
| 5.3.2.1.2.2. ITA | | | | | | | | - | - | - | - |
| 5.3.2.1.2.3. LRU | | | | | | | | - | - | - | - |
| 5.3.2.1.2.4. Software Updates | 5 | | | | | | | - | - | - | - |
| 5.3.2.1.3. Utility Programs | | | | | | | | | | | |
| 5.3.2.1.3.1. Find Align | | | | | | | | - | - | - | - |
| 5.3.2.1.3.2. CALS Mods | | | | | | | | - | - | - | - |
| 5.3.2.2. Use Software Commands To Isolate Faults | | | | | | | | - | - | - | - |
| 5.4. AIRCRAFT SYSTEMS THEORY | | | | | | | | | | | |
| 5.4.1. Radar Systems | | | | | | | | - | - | - | - |
| 5.4.2. Identification Friend or Foe (IFF) | | | | | | | | - | - | - | - |
| 5.4.3. Flight Control Systems | | | | | | | | - | - | - | - |
| 5.5. F-16 ADVANCED COMPUTER AVIONIC INTERMEDIATE SHOPS (AdvAIS) | | | | | | | | | | | |
| 5.5.1. AdvAIS Common Test Station Components | | | | | | | | | | | |
| 5.5.1.1. Theory of Operation TR: TOs 33D7-38-108 Series, 33D7-47-115-1, 33DA7-77-1, 33DA104-10-Series, TOs 33D7-38-111-1-Series, 33D7-38-111-51- Series, 33D7-38-111-81- Series, applicable test station TOs | | | | | | | | | | | |
| 5.5.1.1.1. Computer Subsystem and Peripherals | | | | | | | | - | - | - | - |
| 5.5.1.1.2. Test Station Power/Cooling | | | | | | | | - | - | - | - |
| 5.5.1.1.3. Switching Unit Measurement and Stimulus Subsystem (SUMSS) TR: TOs 33D7-38- 111-1-Series, 33D7-38-111-51-Series, 33D7-38-111-81-Series, Applicable Test Station TOs | | | | | | | | | | | |
| 5.5.1.1.3.1. Switching CCA Groups | | | | | | | | - | - | - | - |

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And TechnicalReferences** | Core/Cert^ | Deployment */SEI + / CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 5.5.1.1.3.2. Measurement (MSS) and Analog Interface Unit (AIU) CCA Groups | | | | | | | | - | - | - | - |
| 5.5.1.1.3.3. Stimulus CCA Group | | | | | | | | - | - | - | - |
| 5.5.1.1.3.4. Digital Interface Unit (DIU) CCA Group | | | | | | | | - | - | - | - |
| 5.5.1.1.3.5. Synchro/Resolver CCA Group | | | | | | | | - | - | - | - |
| 5.5.1.1.3.6. Programmable Processor Control (PPC) CCA Group | | | | | | | | - | - | - | - |
| 5.5.1.1.3.7. Power/Cooling CCA Groups | | | | | | | | - | - | - | - |
| 5.5.1.1.4. LRU Power/Cooling Subsystems | | | | | | | | - | - | - | - |
| 5.5.1.2. Isolate/Repair Malfunctions | | | | | | | | | | | |
| 5.5.1.2.1. Computer Subsystem and Peripherals | | | | | | | | - | - | - | - |
| 5.5.1.2.2. Test Station Power/Cooling | | | | | | | | - | - | - | - |
| 5.5.1.2.3. SUMSS TR: TOs 33D7-38-111-1-Series, 33D7-38-111-51-Series, 33D7-38-111-81-Series, applicable teststation TOs | | | | | | | | | | | |
| 5.5.1.2.3.1. Switching CCA Group | 5 | | | | | | | - | - | - | - |
| 5.5.1.2.3.2. MSS and AIU CCA Groups | 5 | | | | | | | - | - | - | - |
| 5.5.1.2.3.3. Stimulus CCA Group | 5 | | | | | | | - | - | - | - |
| 5.5.1.2.3.4. DIU CCA Group | | | | | | | | - | - | - | - |
| 5.5.1.2.3.5. Synchro/Resolver CCA Group | | | | | | | | - | - | - | - |
| 5.5.1.2.3.6. PPC CCA Group | | | | | | | | - | - | - | - |
| 5.5.1.2.3.7. Power/Cooling CCA Groups | | | | | | | | - | - | - | - |
| 5.5.1.2.4. LRU Power/Cooling Subsystems | | | | | | | | - | - | - | - |
| 5.5.1.3. AdvAIS Common Test Station Procedures TR: 33D7-38-111-1- Series, 33D7-38-111-81-Series, applicable test station TOs | | | | | | | | | | | |
| 5.5.1.3.1. Operating Procedures | | | | | | | | | | | |
| 5.5.1.3.1.1. Perform Turn-On Procedures | 5 | | | | | | | - | - | - | - |
| 5.5.1.3.1.2. Perform Standby Procedure | 5 | | | | | | | - | - | - | - |
| 5.5.1.3.1.3. Perform Shutdown Procedures | 5 | | | | | | | - | - | - | - |
| 5.5.1.3.1.4. Perform Operator Inspection | 5 | | | | | | | - | - | - | - |
| 5.5.1.3.2. Perform Periodic Inspections | | | | | | | | | | | |
| 5.5.1.3.2.1. 30-Day | 5 | | | | | | | - | - | - | - |
| 5.5.1.3.2.2. 180-Day | 7 | | | | | | | - | - | - | - |
| 5.5.1.3.2.3. 360-Day | 7 | | | | | | | - | - | - | - |

F-16 TRAINING REQUIREMENTS

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And TechnicalReferences** | Core/Cert^ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 5.5.1.3.3. Perform Semi-Automatic Tests | | | | | | | | | | | |
| 5.5.1.3.3.1. CONF | 5 | | | | | | | - | - | - | - |
| 5.5.1.3.3.2. DIAG | 5 | | | | | | | - | - | - | - |
| 5.5.1.3.3.3. ALIN | 5 | | | | | | | - | - | - | - |
| 5.5.1.3.3.4. CALS | 7 | | | | | | | - | - | - | - |
| 5.5.1.3.4. Emergency Shutdown | 5 | | | | | | | - | - | - | - |
| 5.5.1.3.5. Classified Pre/Post Processing | 5 | | | | | | | - | - | - | - |
| 5.5.1.3.6. Perform Manual Alignment and Adjustment | | | | | | | | | | | |
| 5.5.1.3.6.1. SUMSS Shop Replaceable Units (SRUs) | 5 | | | | | | | - | - | - | - |
| 5.5.1.3.6.2. LRU Power/Cooling Subsystems | | | | | | | | - | - | - | - |
| 5.5.1.3.6.3. Electrical Connector Receptacle Housing Receiver Pins And Contacts (Virginia Patch Panel) | | | | | | | | | | | |
| 5.5.1.3.6.3.1. Alignment of Virginia Patch Panel | | | | | | | | - | - | - | - |
| 5.5.2. Computer/Inertial (C/I) Test Station TR: TOs 33D7-38-111-8-1, 33D7-38-111-71-1, 33D7-38-111-82, 33D7-38-111- 88-1,TOs 33D7-3-181 Series, 33D7-3-192-Series, 33D7-3-279 Series | | | | | | | | | | | |
| 5.5.2.1. Peculiar ATLAS Statements | | | | | | | | - | - | - | - |
| 5.5.2.2. Peculiar Subsystems | | | | | | | | | | | |
| 5.5.2.2.1. Theory of Operation | | | | | | | | | | | |
| 5.5.2.2.1.1. Self-test Adapter | | | | | | | | - | - | - | - |
| 5.5.2.2.1.2. Test Replaceable Units (TRU) | | | | | | | | | | | |
| 5.5.2.2.1.2.1. Inertial Navigation Unit (INU) Pedestal Subsystem | | | | | | | | - | - | - | - |
| 5.5.2.2.1.2.2. Rate Table | | | | | | | | - | - | - | - |
| 5.5.2.2.1.2.3. Rate Table Controller | | | | | | | | - | - | - | - |
| 5.5.2.2.1.2.4. A/D Converter | | | | | | | | - | - | - | - |
| 5.5.2.2.1.2.5. 16 Channel Filter | | | | | | | | - | - | - | - |
| 5.5.2.2.1.2.6. Digital Multimeter | | | | | | | | - | - | - | - |
| 5.5.2.2.1.2.7. Dual Trace Oscilloscope | | | | | | | | - | - | - | - |
| 5.5.2.2.1.3. SUMSS SRUs | | | | | | | | | | | |
| 5.5.2.2.1.3.1. INU/FCC Interface CCA Group | | | | | | | | - | - | - | - |
| 5.5.2.2.1.3.2. Processor/Controller Interface CCA Group | | | | | | | | - | - | - | - |

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And TechnicalReferences** | Core/Cert^ | Deployment */SEI + / CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 5.5.2.2.1.3.3. DAC CCA Group | | | | | | | | - | - | - | - |
| 5.5.2.2.1.3.4. Discrete I/O CCA Group | | | | | | | | - | - | - | - |
| 5.5.2.2.1.4. Power/Cooling Subsystems | | | | | | | | - | - | - | - |
| 5.5.2.2.2. Isolate/Repair Malfunctions | | | | | | | | | | | |
| 5.5.2.2.2.1. Self-test Adapter | | | | | | | | - | - | - | - |
| 5.5.2.2.2.2. TRUs | | | | | | | | | | | |
| 5.5.2.2.2.2.1. INU Pedestal | | | | | | | | - | - | - | - |
| 5.5.2.2.2.2.2. Rate Table | | | | | | | | - | - | - | - |
| 5.5.2.2.2.2.3. Rate Table Controller | | | | | | | | - | - | - | - |
| 5.5.2.2.2.2.4. A/D Converter | | | | | | | | - | - | - | - |
| 5.5.2.2.2.2.5. 16 Channel Filter | | | | | | | | - | - | - | - |
| 5.5.2.2.2.2.6. Digital Multimeter | | | | | | | | - | - | - | - |
| 5.5.2.2.2.2.7. Dual Trace Oscilloscope | | | | | | | | - | - | - | - |
| 5.5.2.2.3. Perform Manual Alignment And Adjustment | | | | | | | | | | | |
| 5.5.2.2.3.1. TRUs | | | | | | | | | | | |
| 5.5.2.2.3.1.1. Rate Table | | | | | | | | - | - | - | - |
| 5.5.2.2.3.1.2. Rate Table Controller | | | | | | | | - | - | - | - |
| 5.5.2.2.3.1.3. A/D Converter | | | | | | | | - | - | - | - |
| 5.5.2.2.3.1.4. Digital Multimeter | | | | | | | | - | - | - | - |
| 5.5.2.2.3.2. SUMSS SRUs | | | | | | | | | | | |
| 5.5.2.2.3.2.1. INU/FCC Interface CCA Group | | | | | | | | - | - | - | - |
| 5.5.2.2.3.2.2. Processor/Controller Interface CCA Group | | | | | | | | - | - | - | - |
| 5.5.2.2.3.2.3. DAC CCA Group | | | | | | | | - | - | - | - |
| 5.5.2.2.3.2.4. Discrete I/O CCA Group | | | | | | | | - | - | - | - |
| 5.5.2.2.3.3. Power/Cooling Subsystems | | | | | | | | - | - | - | - |
| 5.5.2.2.4. Perform CALS and Adjustments | | | | | | | | | | | |
| 5.5.2.2.4.1. DMM | | | | | | | | - | - | - | - |
| 5.5.3. Displays/Indicators (D/I) Test Station TR: TOs 33D7-38-111-8-1, 33D7-38-111- 71-1, 33D7-38-111-82, 33D7-38-111- 88-1 | | | | | | | | | | | |
| 5.5.3.1. Peculiar ATLAS Statements | | | | | | | | - | - | - | - |
| 5.5.3.2. Peculiar Subsystems TR: TOs 33D7-38-183-Series, 33D7-77-32-Series,33D7-77-71-Series | | | | | | | | | | | |
| 5.5.3.2.1. Theory of Operation | | | | | | | | | | | |
| 5.5.3.2.1.1. Self-test Adapter | | | | | | | | - | - | - | - |

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And TechnicalReferences** | Core/Cert\ | Deployment */SEI + / CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 5.5.3.2.1.2. TRUs | | | | | | | | | | | |
| 5.5.3.2.1.2.1. Photometric Assembly | | | | | | | | - | - | - | - |
| 5.5.3.2.1.2.2. Precision Programmable Current Source (PPCS) | | | | | | | | - | - | - | - |
| 5.5.3.2.1.2.3. Raster Display Assembly | | | | | | | | - | - | - | - |
| 5.5.3.2.1.2.4. Video Display Monitor | | | | | | | | - | - | - | - |
| 5.5.3.2.1.3. SUMSS SRUs | | | | | | | | | | | |
| 5.5.3.2.1.3.1. Discrete I/O CCA Group | | | | | | | | - | - | - | - |
| 5.5.3.2.1.3.2. D/I test CCA Group | | | | | | | | - | - | - | - |
| 5.5.3.2.1.4. Power/Cooling Subsystems | | | | | | | | - | - | - | - |
| 5.5.3.2.2. Isolate/Repair Malfunctions | | | | | | | | | | | |
| 5.5.3.2.2.1. Self-test Adapter | | | | | | | | - | - | - | - |
| 5.5.3.2.2.2. TRUs | | | | | | | | | | | |
| 5.5.3.2.2.2.1. Photometric Assembly | | | | | | | | - | - | - | - |
| 5.5.3.2.2.2.2. PPCS | | | | | | | | - | - | - | - |
| 5.5.3.2.2.2.3. Raster Display Assembly | | | | | | | | - | - | - | - |
| 5.5.3.2.2.2.4. Video Display Monitor | | | | | | | | - | - | - | - |
| 5.5.3.2.2.3. SUMSS SRUs | | | | | | | | | | | |
| 5.5.3.2.2.3.1. Discrete I/O CCA Group | | | | | | | | - | - | - | - |
| 5.5.3.2.2.3.2. D/I Test CCA Group | | | | | | | | - | - | - | - |
| 5.5.3.2.2.4. Power/Cooling Subsystems | | | | | | | | - | - | - | - |
| 5.5.3.2.3. Perform Manual Alignment and Adjustment | | | | | | | | | | | |
| 5.5.3.2.3.1. TRUs | | | | | | | | | | | |
| 5.5.3.2.3.1.1. Photometric Assembly | | | | | | | | - | - | - | - |
| 5.5.3.2.3.1.2. PPCS | | | | | | | | - | - | - | - |
| 5.5.3.2.3.1.3. Raster Display Assembly | | | | | | | | - | - | - | - |
| 5.5.3.2.3.1.4. Video Display Monitor | | | | | | | | - | - | - | - |
| 5.5.3.2.3.2. SUMSS SRUs | | | | | | | | | | | |
| 5.5.3.2.3.2.1. Discrete I/O CCA Group | | | | | | | | - | - | - | - |
| 5.5.3.2.3.2.2. D/I Test CCA Group | | | | | | | | - | - | - | - |
| 5.5.3.2.3.3. Power/Cooling Subsystems | | | | | | | | - | - | - | - |
| 5.5.3.2.4. Calibrate and Adjust | | | | | | | | | | | |
| 5.5.3.2.4.1. Photometric Assembly | | | | | | | | - | - | - | - |
| 5.5.4. Processor/Pneumatic (P/P) Test Station TR: TOs 33D7-38-111-8-1, 33D7-38- 111-71-1, 33D7-38-111-82, 33D7-38-111-88-1 | | | | | | | | | | | |
| 5.5.4.1. Peculiar ATLAS Statements | | | | | | | | - | - | - | - |
| 5.5.4.2. Peculiar Subsystems TR: TOs 33D7-3-180-Series, 33D7-3-191-Series, 33D7-3-282-Series, 33D7-38- 185-Series | | | | | | | | | | | |

F-16 TRAINING REQUIREMENTS

| 1. Tasks, Knowledge And TechnicalReferences | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Core/Cert\ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 5.5.4.2.1. Theory of Operation | | | | | | | | | | | |
| 5.5.4.2.1.1. Self-test Adapter | | | | | | | | - | - | - | - |
| 5.5.4.2.1.2. TRUs | | | | | | | | | | | |
| 5.5.4.2.1.2.1. Threat Simulator | | | | | | | | - | - | - | - |
| 5.5.4.2.1.2.2. Video Display Monitor | | | | | | | | - | - | - | - |
| 5.5.4.2.1.2.3. Pneumatic Function Controllers (PFCs) and Pneumatic LoadAssembly | | | | | | | | - | - | - | - |
| 5.5.4.2.1.2.4. Vacuum Pump and Manifold Assembly | | | | | | | | - | - | - | - |
| 5.5.4.2.1.3. SUMSS SRUs | | | | | | | | | | | |
| 5.5.4.2.1.3.1. P/P Test CCA Group | | | | | | | | - | - | - | - |
| 5.5.4.2.1.4. Power/Cooling Subsystems | | | | | | | | - | - | - | - |
| 5.5.4.2.2. Isolate/Repair Malfunctions | | | | | | | | | | | |
| 5.5.4.2.2.1. Self-test Adapter | | | | | | | | - | - | - | - |
| 5.5.4.2.2.2. TRUs | | | | | | | | | | | |
| 5.5.4.2.2.2.1. Threat Simulator | | | | | | | | - | - | - | - |
| 5.5.4.2.2.2.2. Video Display Monitor | | | | | | | | - | - | - | - |
| 5.5.4.2.2.2.3. PFCS/Pneumatic Load Assembly | | | | | | | | - | - | - | - |
| 5.5.4.2.2.2.4. Vacuum Pump and Manifold Assembly | | | | | | | | - | - | - | - |
| 5.5.4.2.2.3. SUMSS SRUs | | | | | | | | | | | |
| 5.5.4.2.2.3.1. P/P Test CCA Group | | | | | | | | - | - | - | - |
| 5.5.4.2.2.4. Power/Cooling Subsystems | | | | | | | | - | - | - | - |
| 5.5.4.2.3. Perform Periodic Inspections | | | | | | | | | | | |
| 5.5.4.2.3.1. 90-Day | | | | | | | | - | - | - | - |
| 5.5.4.2.4. Perform Manual Alignment and Adjustment | | | | | | | | | | | |
| 5.5.4.2.4.1. TRUs | | | | | | | | | | | |
| 5.5.4.2.4.1.1. Threat Simulator | | | | | | | | - | - | - | - |
| 5.5.4.2.4.1.2. Video Display Monitor | | | | | | | | - | - | - | - |
| 5.5.4.2.4.1.3. Vacuum Pump and Manifold Assembly | | | | | | | | - | - | - | - |
| 5.5.4.2.4.2. SUMSS SRUs | | | | | | | | | | | |
| 5.5.4.2.4.2.1. P/P Test CCA Group | | | | | | | | - | - | - | - |
| 5.5.4.2.4.3. Power/Cooling Subsystems | | | | | | | | - | - | - | - |
| 5.5.4.2.5. Calibrate and Adjust | | | | | | | | | | | |
| 5.5.4.2.5.1. PFCs | | | | | | | | - | - | - | - |

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And TechnicalReferences** | Core/Cert\ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 5.5.5. Radio Frequency (RF) Test Station TR: TOs 33D7-38-111-8-1, 33D7-38-111-71-1,33D7-38-111-82, 33D7-38-111-88-1 | | | | | | | | | | | |
| 5.5.5.1. Peculiar ATLAS Statements | | | | | | | | - | - | - | - |
| 5.5.5.2. Peculiar Subsystems TR: TOs 33D7-38-184-1, 33D7-38-248-1, 33DA57-3-1 | | | | | | | | | | | |
| 5.5.5.2.1. Theory of Operation | | | | | | | | | | | |
| 5.5.5.2.1.1. Self-test Adapter | | | | | | | | - | - | - | - |
| 5.5.5.2.1.2. TRUs | | | | | | | | | | | |
| 5.5.5.2.1.2.1. Microwave Stimulus Interface (MSI) | | | | | | | | - | - | - | - |
| 5.5.5.2.1.2.2. Microwave Measurement Unit (MMU) | | | | | | | | - | - | - | - |
| 5.5.5.2.1.2.3. Phase Noise Chassis (PNC) | | | | | | | | - | - | - | - |
| 5.5.5.2.1.2.4. Synthesized Signal Generators (SSGs) | | | | | | | | - | - | - | - |
| 5.5.5.2.1.2.5. RF Switch Panel | | | | | | | | - | - | - | - |
| 5.5.5.2.1.2.6. Power Meter Assembly | | | | | | | | - | - | - | - |
| 5.5.5.2.1.2.7. Pressure Test Set (PTS) | | | | | | | | - | - | - | - |
| 5.5.5.2.1.3. SUMSS SRUs | | | | | | | | | | | |
| 5.5.5.2.1.3.1. R/F Test CCA Group | | | | | | | | - | - | - | - |
| 5.5.5.2.1.4. Power/Cooling Subsystems | | | | | | | | - | - | - | - |
| 5.5.5.2.2. Isolate/Repair Malfunctions | | | | | | | | | | | |
| 5.5.5.2.2.1. Self-test Adapter | | | | | | | | - | - | - | - |
| 5.5.5.2.2.2. TRUs | | | | | | | | | | | |
| 5.5.5.2.2.2.1. MSI | | | | | | | | - | - | - | - |
| 5.5.5.2.2.2.2. MMU | | | | | | | | - | - | - | - |
| 5.5.5.2.2.2.3. PNC | | | | | | | | - | - | - | - |
| 5.5.5.2.2.2.4. SSGs | | | | | | | | - | - | - | - |
| 5.5.5.2.2.2.5. RF Switch Panel | | | | | | | | - | - | - | - |
| 5.5.5.2.2.2.6. Power Meter Assembly | | | | | | | | - | - | - | - |
| 5.5.5.2.2.2.7. PTS | | | | | | | | - | - | - | - |
| 5.5.5.2.2.3. SUMSS SRUs | | | | | | | | | | | |
| 5.5.5.2.2.3.1. R/F Test CCA Group | | | | | | | | - | - | - | - |
| 5.5.5.2.2.4. Power/Cooling Subsystems | | | | | | | | - | - | - | - |
| 5.5.5.2.3. Perform Manual Alignments and Adjustments | | | | | | | | | | | |
| 5.5.5.2.3.1. SUMSS SRUs | | | | | | | | | | | |
| 5.5.5.2.3.1.1. R/F Test CCA Group | | | | | | | | - | - | - | - |
| 5.5.5.2.3.2. Power/Cooling Subsystems | | | | | | | | - | - | - | - |

| 1. Tasks, Knowledge And TechnicalReferences | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Core/Cert^ | Deployment */SEI + / CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 5.5.5.2.4. Perform Calibration and Adjustment | | | | | | | | | | | |
| 5.5.5.2.4.1. Power Meter | | | | | | | | - | - | - | - |
| 5.6. IMPROVED AVIONIC INTERMEDIATE SHOP (IAIS) TEST STATION TR: TO 33D7-38-291-2, TO33D7-38-291-18-2 | | | | | | | | | | | |
| 5.6.1. Emergency Shutdown | 5 | | | | | | | - | - | - | - |
| 5.6.2. Classified Pre/Post Processing | 5 | | | | | | | 2b | - | - | - |
| 5.6.3. Peculiar ATLAS Statements | | | | | | | | A | B | - | - |
| 5.6.4. Preparation For Use/Shipment | | | | | | | | - | - | - | - |
| 5.6.5. Operating Procedures | | | | | | | | | | | |
| 5.6.5.1. Perform Initial Turn-On Procedures | 5 | | | | | | | - | - | - | - |
| 5.6.5.2. Perform Turn-On From Standby | 5 | | | | | | | 2b | | | |
| 5.6.5.3. Perform Standby Procedure | 5 | | | | | | | 2b | - | - | - |
| 5.6.5.4. Perform Shutdown Procedures | 5 | | | | | | | - | - | - | - |
| 5.6.6. Perform Operator Inspection | 5 | | | | | | | 2b | - | - | - |
| 5.6.7. Perform Periodic Inspections | | | | | | | | | | | |
| 5.6.7.1. 30-Day | 5 | | | | | | | - | - | - | - |
| 5.6.7.2. 90-Day | 5 | | | | | | | - | - | - | - |
| 5.6.7.3. 180-Day | 7 | | | | | | | - | - | - | - |
| 5.6.8. Peculiar Subsystems TR: TO 33D7-38-291 Series | | | | | | | | | | | |
| 5.6.8.1. Theory of Operation | | | | | | | | | | | |
| 5.6.8.1.1. Interface Unit (IU) | | | | | | | | - | A | - | - |
| 5.6.8.1.2. Control and Display Unit (CDU) | | | | | | | | - | A | - | - |
| 5.6.8.1.3. Instrument Unit A (IUA)/IUA-VXI | | | | | | | | - | A | - | - |
| 5.6.8.1.4. Instrument Unit B (IUB)/IUB-VXI | | | | | | | | - | A | - | - |
| 5.6.8.1.5. Microwave Stimulus Unit (MSU) | | | | | | | | A | B | - | - |
| 5.6.8.1.6. Microwave Measurement Unit (MMU) | | | | | | | | A | B | - | - |
| 5.6.8.1.7. Microwave Unit (MU) VXI | | | | | | | | A | B | | |
| 5.6.8.1.8. Power Control Unit (PCU) | | | | | | | | - | A | - | - |
| 5.6.8.1.9. Power Supply Unit (PSU) | | | | | | | | - | A | - | - |
| 5.6.8.1.10. Refrigeration Unit | | | | | | | | - | A | - | - |
| 5.6.8.1.11. Blower Unit | | | | | | | | - | A | - | - |

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And TechnicalReferences** | Core/Cert\ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 5.6.8.1.12. Frequency Changer Unit (FCU) | | | | | | | | - | A | - | - |
| 5.6.8.1.13. Optical Test Bench (OTB) | | | | | | | | - | A | - | - |
| 5.6.8.2. Isolate/Repair Malfunctions | | | | | | | | | | | |
| 5.6.8.2.1. IU | 5 | | | | | | | - | - | - | - |
| 5.6.8.2.2. CDU | | | | | | | | - | - | - | - |
| 5.6.8.2.3. IUA/IUA-VXI | 5 | | | | | | | 2b | - | - | - |
| 5.6.8.2.4. IUB/IUB-VXI | 5 | | | | | | | 2b | - | - | - |
| 5.6.8.2.5. MSU | 7 | | | | | | | 2b | - | - | - |
| 5.6.8.2.6. MMU | 7 | | | | | | | 2b | - | - | - |
| 5.6.8.2.7. MU VXI | 7 | | | | | | | - | - | - | - |
| 5.6.8.2.8. PCU | | | | | | | | - | - | - | - |
| 5.6.8.2.9. PSU | | | | | | | | - | - | - | - |
| 5.6.8.2.10. Refrigeration Unit | | | | | | | | - | - | - | - |
| 5.6.8.2.11. Blower Unit | 5 | | | | | | | - | - | - | - |
| 5.6.8.2.12. FCU | | | | | | | | - | - | - | - |
| 5.6.8.2.13. OTB | | | | | | | | - | - | - | - |
| 5.6.8.3. Perform Semi-Automatic Tests | | | | | | | | | | | |
| 5.6.8.3.1. CONF | 5 | | | | | | | 2b | - | - | - |
| 5.6.8.3.2. DIAG | 5 | | | | | | | 2b | - | - | - |
| 5.6.8.3.3. ALIN | 5 | | | | | | | 2b | - | - | - |
| 5.6.8.3.4. CALS | 7 | | | | | | | - | - | - | - |
| 5.6.8.4. Perform Manual Alignment and Adjustment | | | | | | | | | | | |
| 5.6.8.4.1. IU | | | | | | | | - | - | - | - |
| 5.6.8.4.2. IUA | 5 | | | | | | | 2b | - | - | - |
| 5.6.8.4.3. IUB | 5 | | | | | | | 2b | - | - | - |
| 5.6.8.4.4. PCU | | | | | | | | - | - | - | - |
| 5.6.8.4.5. PSU | | | | | | | | - | - | - | - |
| 5.6.8.4.6. Blower Unit | 5 | | | | | | | - | - | - | - |
| 5.6.8.4.7. FCU | | | | | | | | - | - | - | - |
| 5.6.8.4.8. OTB | 5 | | | | | | | 2b | - | - | - |
| 5.6.9. Peculiar Support Equipment | | | | | | | | | | | |
| 5.6.9.1. Theory of Operation TR: TO 31S5-4- 6085-11, TO 33D7-42-55 Series,TO 31S5-4-1000-11, TO 33DA102-18-1 | | | | | | | | | | | |
| 5.6.9.1.1. Viper MLV | | | | | | | | - | - | - | - |
| 5.6.9.1.2. EPROM Programmer Verifier ITA | | | | | | | | - | - | - | - |
| 5.6.9.1.3. PROM Programmer | | | | | | | | - | - | - | - |
| 5.6.9.1.4. LRU Cooler Assembly | | | | | | | | - | - | - | - |

F-16 TRAINING REQUIREMENTS

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And TechnicalReferences** | Core/Cert^ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 5.6.9.2. Use TR: Applicable test station -2 TOs, Applicable LRU 8-1 TO | | | | | | | | | | | |
| 5.6.9.2.1. Virginia Patch Panel Alignment Kit | | | | | | | | - | - | - | - |
| 5.6.9.2.2. Pressure Test Set | | | | | | | | - | - | - | - |
| 5.6.9.2.3. CAPRE TR: 33D7-3-27-Series, TO 33D7-42-55 Series, TO 31S5-4-1000-11 | | | | | | | | | | | |
| 5.6.9.2.3.1. EW Programming | | | | | | | | - | - | - | - |
| 5.6.9.2.3.2. AIS Software Updates | | | | | | | | - | - | - | - |
| 5.6.9.2.4. EPROM Programmer Verifier (ITA) | | | | | | | | - | - | - | - |
| 5.6.9.2.5. EPROM Programmer Verifier (EPV) | | | | | | | | - | - | - | - |
| 5.6.9.2.6. LRU Cooling Assembly TR: TO 33DA102-18-1 | | | | | | | | | | | |
| 5.6.9.2.6.1. Operate | | | | | | | | - | - | - | - |
| 5.6.9.2.6.2. Perform Periodic Inspections | | | | | | | | | | | |
| 5.6.9.2.6.2.1. 60-Day or 400 Hour | | | | | | | | - | - | - | - |
| 5.6.9.2.6.2.2. 365-Day or 2400 Hour | | | | | | | | - | - | - | - |
| 5.6.9.2.6.2.3. Calibrate | | | | | | | | - | - | - | - |
| 5.6.9.2.6.2.4. Service | | | | | | | | - | - | - | - |
| 5.6.9.3. Isolate/Repair Malfunctions TR: TO 31S5-4- 6085-11, TO 33D7-42-39-11,TO 31S5-4-1000- 11, TO 33D7-8-129-1 | | | | | | | | | | | |
| 5.6.9.3.1. Viper MLV | | | | | | | | - | - | - | - |
| 5.6.9.3.2. EPROM Programmer Verifier (ITA) | | | | | | | | - | - | - | - |
| 5.6.9.3.3. EPROM Programmer Verifier (EPV) | | | | | | | | - | - | - | - |
| 5.6.9.3.4. Pressure Test Set | | | | | | | | - | - | - | - |
| 5.6.9.4. AIS EPROM ProgrammerVerifier (EPV) | | | | | | | | | | | |
| 5.6.9.4.1. Operate EPV | | | | | | | | - | - | - | - |
| 5.6.9.5. Air Data Test Set (ADTS) | | | | | | | | | | | |
| 5.6.9.5.1. Theory | | | | | | | | - | - | - | - |
| 5.6.9.5.2. Operate | | | | | | | | - | - | - | - |
| 5.6.9.5.3. Isolate/Repair | | | | | | | | - | - | - | - |
| 5.6.9.5.4. Calibrate | | | | | | | | - | - | - | - |
| 5.6.9.6. HUD Boresight Alignment Tool | | | | | | | | | | | |
| 5.6.9.6.1. Calibrate | 7 | | | | | | | - | - | - | - |

| 1. Tasks, Knowledge And TechnicalReferences | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Core/Cert\ | Deployment */SEI + / CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 5.7. F-16 MANUAL SYSTEMS | | | | | | | | | | | |
| 5.7.1. Communication Systems | | | | | | | | | | | |
| 5.7.1.1. UHF | | | | | | | | | | | |
| 5.7.1.1.1. UHF System (AN/ARC164(C)) | | | | | | | | | | | |
| 5.7.1.1.1.1. Radio Test Set | | | | | | | | | | | |
| 5.7.1.1.1.1.1. Theory of Operation | | | | | | | | - | A | - | - |
| 5.7.1.1.1.1.2. Operate | | | | | | | | - | - | - | - |
| 5.7.1.1.1.1.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 5.7.1.1.1.2. AN/ARM 204 Radio Test Set TR 33A1-12-1420-1 | | | | | | | | | | | |
| 5.7.1.1.1.2.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.7.1.1.1.2.2. Perform Self-test | | | | | | | | - | - | - | - |
| 5.7.1.1.1.2.3. Perform UHF Test/Alignment | | | | | | | | - | - | - | - |
| 5.7.1.1.1.2.4. Perform Troubleshooting | | | | | | | | - | - | - | - |
| 5.7.1.1.1.3. UHF R/T TR: TOs 12R2-2ARC164-Series | | | | | | | | | | | |
| 5.7.1.1.1.3.1. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 5.7.1.1.1.4. Radio Set Control TR: TOs 12R2-2ARC164-32, 12R2- 2ARC164-92 | | | | | | | | | | | |
| 5.7.1.1.1.4.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.7.1.1.1.4.2. Perform Maintenance Testing | | | | | | | | - | - | - | - |
| 5.7.1.1.1.4.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 5.7.1.1.1.5. Channel Frequency Indicator TR: TO 12R2-2ARC164-32 | | | | | | | | | | | |
| 5.7.1.1.1.5.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.7.1.1.1.5.2. Perform Maintenance Testing | | | | | | | | - | - | - | - |
| 5.7.1.1.1.5.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 5.7.1.2. VHF | | | | | | | | | | | |
| 5.7.1.2.1. Perform Maintenance Testing | | | | | | | | - | - | - | - |
| 5.7.1.2.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 5.7.1.3. Intercommunications Systems | | | | | | | | | | | |
| 5.7.1.3.1. Audio 1 Panel TR: TO 12R2-4-233-4 | | | | | | | | | | | |
| 5.7.1.3.1.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.7.1.3.1.2. Bench Check | | | | | | | | - | - | - | - |
| 5.7.1.3.1.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 5.7.1.3.2. Audio 2 Panel TR: TO 12R2-4-240-2 | | | | | | | | | | | |

F-16 TRAINING REQUIREMENTS

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And TechnicalReferences** | Core/Cert^ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 5.7.1.3.2.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.7.1.3.2.2. Bench Check | | | | | | | | - | - | - | - |
| 5.7.1.3.2.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 5.7.1.3.3. Aux Comm Panel TR: TO 12R2-4-227-3 | | | | | | | | | | | |
| 5.7.1.3.3.1. Bench Check | | | | | | | | - | - | - | - |
| 5.7.1.3.3.2. Alignment | | | | | | | | - | - | - | - |
| 5.7.1.3.3.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 5.7.2. Electronic Warfare Systems | | | | | | | | | | | |
| 5.7.2.1. Threat Warning Auxiliary Panel TR: TO 12P3-2ALR22 | | | | | | | | | | | |
| 5.7.2.1.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.7.2.1.2. Perform Maintenance Testing | | | | | | | | - | - | - | - |
| 5.7.2.1.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 5.7.2.2. Threat Warning Prime Panel TR:TO 12P3-2ALR22 | | | | | | | | | | | |
| 5.7.2.2.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.7.2.2.2. Perform Maintenance Testing | | | | | | | | - | - | - | - |
| 5.7.2.2.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 5.7.3. Miscellaneous Systems | | | | | | | | | | | |
| 5.7.3.1. Integrated Control Panel (ICP) TR: TOs 5N29-14-2, 5N29-20-2 | | | | | | | | | | | |
| 5.7.3.1.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.7.3.1.2. Perform Maintenance Testing | | | | | | | | - | - | - | - |
| 5.7.3.1.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 5.7.3.2. Aft Station Control Panel (IKP) TR: TO 11F32-2-40-2 | | | | | | | | | | | |
| 5.7.3.2.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.7.3.2.2. Perform Maintenance Testing | | | | | | | | - | - | - | - |
| 5.7.3.2.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 5.7.3.3. Communications Control Panel TR: TO 12R-4-179-2 | | | | | | | | | | | |
| 5.7.3.3.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.7.3.3.2. Perform Maintenance Testing | | | | | | | | - | - | - | - |
| 5.7.3.3.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 5.7.3.4. Pilot's Control Grip Assembly TR: TOs 16C1-27-20-2, 16C1-27-30-2 | | | | | | | | | | | |
| 5.7.3.4.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.7.3.4.2. Perform Maintenance Testing | 5 | | | | | | | - | - | - | - |
| 5.7.3.4.3. Isolate/Repair Malfunctions | 5 | | | | | | | - | - | - | - |

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And TechnicalReferences** | Core/Cert\ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 5.7.3.5. Throttle Grip Assembly TR: TOs 2JA8-24-2, 2JA8-24-12 | | | | | | | | | | | |
| 5.7.3.5.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.7.3.5.2. Perform Maintenance Testing | 5 | | | | | | | - | - | - | - |
| 5.7.3.5.3. Isolate/Repair Malfunctions | 5 | | | | | | | - | - | - | - |
| 5.7.3.6. Aft Pilot's Control Grip Assembly TR: TOs 16C1-27-20-2, 16C1-27-30-2 | | | | | | | | | | | |
| 5.7.3.6.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.7.3.6.2. Perform Maintenance Testing | | | | | | | | - | - | - | - |
| 5.7.3.6.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 5.7.3.7. Aft Throttle Grip Assembly TR: TOs 2JA8-24-2, 2JA8-24-12 | | | | | | | | | | | |
| 5.7.3.7.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.7.3.7.2. Perform Maintenance Testing | | | | | | | | - | - | - | - |
| 5.7.3.7.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 5.7.3.8. Avionic Power Panel TR: TO 8C21-30-2 | | | | | | | | | | | |
| 5.7.3.8.1. Perform Maintenance Testing | | | | | | | | - | - | - | - |
| 5.7.3.8.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 5.7.3.9. DEEC & EDU Functional Tester (DEFT) | | | | | | | | | | | |
| 5.7.3.9.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.7.3.9.2. Perform Maintenance Testing | | | | | | | | - | - | - | - |
| 5.7.3.9.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 5.7.3.10. Digital Electronic Engine Controller (DEEC) TR: TO 6J3-4-117-2 | | | | | | | | | | | |
| 5.7.3.10.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.7.3.10.2. Perform Maintenance Testing | | | | | | | | - | - | - | - |
| 5.7.3.10.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 5.7.3.11. Engine Diagnostic Unit (EDU) TR: TO 5E1-2-15-2 | | | | | | | | | | | |
| 5.7.3.11.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.7.3.11.2. Perform Maintenance Testing | | | | | | | | - | - | - | - |
| 5.7.3.11.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 5.7.3.12. Engine Control Throttle Quadrant Assembly TR: TOs 2JA8-24-2, 2JA8-24-12 | | | | | | | | | | | |
| 5.7.3.12.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.7.3.12.2. Perform Maintenance Testing | | | | | | | | - | - | - | - |
| 5.7.3.12.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 5.7.3.13. Field Reprogramming Set | | | | | | | | | | | |

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And TechnicalReferences** | Core/Cert^ | Deployment */SEI + / CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 5.7.3.13.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.7.3.13.2. Operate | | | | | | | | - | - | - | - |
| 5.8. RACK MOUNT IMPROVED AVIONIC INTERMEDIATE SHOP (R-IAIS) TEST STATION TR: 33D7-38-321 Series | | | | | | | | | | | |
| 5.8.1. Peculiar ATLAS Statements | | | | | | | | - | - | - | - |
| 5.8.2. Operating Procedures TR: 33D7-38-321-2 | | | | | | | | | | | |
| 5.8.2.1. Preparation for Use/Shipment | | | | | | | | - | - | - | - |
| 5.8.2.2. Perform Turn-On Procedures | | | | | | | | - | - | - | - |
| 5.8.2.3. Perform Standby Procedure | | | | | | | | - | - | - | - |
| 5.8.2.4. Perform Shutdown Procedures | | | | | | | | - | - | - | - |
| 5.8.2.5. Perform Operator Inspection | | | | | | | | - | - | - | - |
| 5.8.2.6. Perform Cleaning | | | | | | | | - | - | - | - |
| 5.8.2.7. Perform Software Updates | | | | | | | | - | - | - | - |
| 5.8.2.8. Emergency Shutdown | | | | | | | | - | - | - | - |
| 5.8.2.9. Classified Pre/Post Processing | | | | | | | | - | - | - | - |
| 5.8.3. Perform Periodic Inspections | | | | | | | | | | | |
| 5.8.3.1. 30-Day | | | | | | | | - | - | - | - |
| 5.8.3.2. 170-Day | | | | | | | | - | - | - | - |
| 5.8.4. Peculiar Subsystems TR: TO 33D7-38-291 Series | | | | | | | | | | | |
| 5.8.4.1. Theory of Operation | | | | | | | | | | | |
| 5.8.4.1.1. 3 Bay Rack Assembly | | | | | | | | - | - | - | - |
| 5.8.4.1.2. Computer Assembly | | | | | | | | - | - | - | - |
| 5.8.4.1.3. AC Power Supply | | | | | | | | - | - | - | - |
| 5.8.4.1.4. Blower Unit | | | | | | | | - | - | - | - |
| 5.8.4.1.5. Frequency Changer | | | | | | | | - | - | - | - |
| 5.8.4.1.6. Interface Unit | | | | | | | | - | - | - | - |
| 5.8.4.1.7. Isolation Relay | | | | | | | | - | - | - | - |
| 5.8.4.1.8. Power Control Unit | | | | | | | | - | - | - | - |
| 5.8.4.1.9. Refrigeration Unit | | | | | | | | - | - | - | - |
| 5.8.4.1.10. Optical Test Bench | | | | | | | | - | - | - | - |
| 5.8.4.1.11. DC Power Supply | | | | | | | | - | - | - | - |
| 5.8.4.1.12. Video Display Unit | | | | | | | | - | - | - | - |
| 5.8.4.1.13. VXI Chassis A | | | | | | | | - | - | - | - |
| 5.8.4.1.14. VXI Chassis B | | | | | | | | - | - | - | - |
| 5.8.4.1.15. VXI Chassis MU | | | | | | | | - | - | - | - |
| 5.8.4.1.16. Peculiar Power Supply | | | | | | | | - | - | - | - |
| 5.8.4.1.17. Self-test Adapter | | | | | | | | - | - | - | - |
| 5.8.4.1.18. Calibration Adapter | | | | | | | | | | | |

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And TechnicalReferences** | Core/Cert^ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 5.8.4.2. Isolate/Repair Malfunctions | | | | | | | | | | | |
| 5.8.4.2.1. 3 Bay Rack Assembly | | | | | | | | - | - | - | - |
| 5.8.4.2.2. Computer Assembly | | | | | | | | - | - | - | - |
| 5.8.4.2.3. AC Power Supply | | | | | | | | - | - | - | - |
| 5.8.4.2.4. Blower Unit | | | | | | | | - | - | - | - |
| 5.8.4.2.5. Frequency Changer | | | | | | | | - | - | - | - |
| 5.8.4.2.6. Interface Unit | | | | | | | | - | - | - | - |
| 5.8.4.2.7. Isolation Relay | | | | | | | | - | - | - | - |
| 5.8.4.2.8. Power Control Unit | | | | | | | | - | - | - | - |
| 5.8.4.2.9. Refrigeration Unit | | | | | | | | - | - | - | - |
| 5.8.4.2.10. Optical Test Bench | | | | | | | | - | - | - | - |
| 5.8.4.2.11. DC Power Supply | | | | | | | | - | - | - | - |
| 5.8.4.2.12. Video Display Unit | | | | | | | | - | - | - | - |
| 5.8.4.2.13. VXI Chassis A | | | | | | | | - | - | - | - |
| 5.8.4.2.14. VXI Chassis B | | | | | | | | - | - | - | - |
| 5.8.4.2.15. VXI Chassis MU | | | | | | | | - | - | - | - |
| 5.8.4.2.16. Peculiar Power Supply | | | | | | | | - | - | - | - |
| 5.8.4.2.17. Self-test Adapter | | | | | | | | - | - | - | - |
| 5.8.4.2.18. Calibration Adapter | | | | | | | | - | - | - | - |
| 5.8.4.3. Perform Semi-Automatic Tests | | | | | | | | | | | |
| 5.8.4.3.1. CONF | | | | | | | | - | - | - | - |
| 5.8.4.3.2. DIAG | | | | | | | | - | - | - | - |
| 5.8.4.3.3. ALIN | | | | | | | | - | - | - | - |
| 5.8.4.3.4. CALS | | | | | | | | - | - | - | - |
| 5.8.4.4. Perform Manual Alignment and Adjustment | | | | | | | | | | | |
| 5.8.4.4.1. Blower Unit | | | | | | | | - | - | - | - |
| 5.8.4.4.2. OTB | | | | | | | | - | - | - | - |
| 5.9. LRU AND ITA MAINTENANCE | | | | | | | | | | | |
| 5.9.1. Common | | | | | | | | | | | |
| 5.9.1.1. Fire Control Computer (FCC), Expanded/Enhanced/Common FCC (XFCC/EFCC/CFCC/EEFCC) TR: TOs 11F12-1-Series, 33D7-50-284-Series, 33D7-50-663-Series, TOs 33D7-28-35-2, 33D7-50-1911-1 | | | | | | | | | | | |
| 5.9.1.1.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.9.1.1.2. Operational Check | | | | | | | | - | - | - | - |
| 5.9.1.1.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |

F-16 TRAINING REQUIREMENTS

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And Technical References** | Core/Cert^ | Deployment*/SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 5.9.1.2. Data Transfer Unit (DTU) TR: TOs 12S2-4-13-Series, 33D7-24-29-Series, 33D7-50-1027-Series, 33D7-50-1897-1 | | | | | | | | | | | |
| 5.9.1.2.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.9.1.2.2. Operational Check | | | | | | | | - | - | - | - |
| 5.9.1.2.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 5.9.1.3. Flight Control Computer (FLCC) TR: TOs 5A7-3-38-Series, 33D7-50-286-Series, 33D7-28-35-2 | | | | | | | | | | | |
| 5.9.1.3.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.9.1.3.2. Operational Check | 5 | | | | | | | - | - | - | - |
| 5.9.1.3.3. Isolate/Repair Malfunctions | 5 | | | | | | | - | - | - | - |
| 5.9.1.4. Electronic Component Assembly (ECA) TR: TOs 5F22-16-Series, 33D7-50-288-Series, 33D7-28-35-2, 33D7-50-1900-1 | | | | | | | | | | | |
| 5.9.1.4.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.9.1.4.2. Operational Check | 5 | | | | | | | - | - | - | - |
| 5.9.1.4.3. Isolate/Repair Malfunctions | 5 | | | | | | | - | - | - | - |
| 5.9.1.5. Data Entry Electronics Unit (DEEU), Common DEEU (CDEEU), Enhanced Memory Extended Capabilities DEEU (EXDEEU) TR: TOs 12S2-4-10-Series, 33D7-50-666-Series, 33D7-50-1907-1 | | | | | | | | | | | |
| 5.9.1.5.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.9.1.5.2. Operational Check | | | | | | | | - | - | - | - |
| 5.9.1.5.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 5.9.1.6. Data Entry Display (DED) TR: TOs 12S2-4-9-Series, 33D7-50-666-Series | | | | | | | | | | | |
| 5.9.1.6.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.9.1.6.2. Operational Check | | | | | | | | - | - | - | - |
| 5.9.1.6.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 5.9.1.7. Flight Control Panel (FLCP) TR: TOs 5A13-5-20-Series, 33D7-50-358-Series | | | | | | | | | | | |
| 5.9.1.7.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.9.1.7.2. Operational Check | | | | | | | | - | - | - | - |
| 5.9.1.7.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 5.9.1.8. Digital Flight Control Computer (DFLCC) TR: TOs 5A7-3-44-Series, 33D7-50-1663-Series, 33D7-28-35-2, 33D7-50-1899-1 | | | | | | | | | | | |

F-16 TRAINING REQUIREMENTS

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And Technical References** | Core/Cert^ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 5.9.1.8.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.9.1.8.2. Operational Check | 5 | | | | | | | - | - | - | - |
| 5.9.1.8.3. Isolate/Repair Malfunctions | 5 | | | | | | | - | - | - | - |
| 5.9.1.9. Programmable Display Generator (PDG), Expanded/Enhanced/Upgraded/ Color Programmable Display Generator (XPDG/EUPDG/CPDG/eCPDG) TR: TOs 11F98-7- Series, 33D7-50-665-Series | | | | | | | | | | | |
| 5.9.1.9.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.9.1.9.2. Operational Check | | | | | | | | - | - | - | - |
| 5.9.1.9.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 5.9.1.10. Wide Angle Conventional/ Electro-Optics Head-Up Display (WAC/ELOP HUD) Unit TR: TOs 5N29-14-Series, 33D7-50-668-Series, 33D7-50-1908-1 | | | | | | | | | | | |
| 5.9.1.10.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.9.1.10.2. Operational Check | 5 | | | | | | | 2b | - | - | - |
| 5.9.1.10.3. Isolate/Repair Malfunctions | 7 | | | | | | | - | - | - | - |
| 5.9.1.10.4. Alignment | 5 | | | | | | | - | - | - | - |
| 5.9.1.11. WAC Display Electronic Unit (WAC EU) TR: TOs 5N29-15-Series, 33D7-50-669-Series, 33D7-28-35-2, 33D7-50-1909-1 | | | | | | | | | | | |
| 5.9.1.11.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.9.1.11.2. Operational Check | 5 | | | | | | | - | - | - | - |
| 5.9.1.11.3. Isolate/Repair Malfunctions | 5 | | | | | | | - | - | - | - |
| 5.9.1.12. Diffractive Optics Head-Up Display Unit (DO HUD DU) TR: TOs 5N29-20-Series, 33D7-50-668-Series, 33D7-50-1909-1 | | | | | | | | | | | |
| 5.9.1.12.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.9.1.12.2. Operational Check | 5 | | | | | | | - | - | - | - |
| 5.9.1.12.3. Isolate/Repair Malfunctions | 7 | | | | | | | - | - | - | - |
| 5.9.1.12.4. Alignment | 5 | | | | | | | - | - | - | - |
| 5.9.1.13. Jettison/Release Remote Interface Unit (J/R RIU) TR: TOs 11B95-4-Series, 33D7-50-272-Series | | | | | | | | | | | |
| 5.9.1.13.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.9.1.13.2. Operational Check | | | | | | | | - | - | - | - |
| 5.9.1.13.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |

| 1. Tasks, Knowledge And Technical References | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Core/Cert^ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 5.9.1.14. Signal Processor (SP) (AN/ALR-69) TR: TOs 12P3-2ALR69-Series, 33D7-50-403-Series, 33D7-50-1970-Series | | | | | | | | | | | |
| 5.9.1.14.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.9.1.14.2. Operational Check | 5 | | | | | | | - | - | - | - |
| 5.9.1.14.3. Isolate/Repair Malfunctions | 7 | | | | | | | - | - | - | - |
| 5.9.1.15. Advanced Central Interface Unit (ACIU) TR: TOs 11B47-7-4-Series, 33D7-50-670-Series, 33D7-50-1910-1 | | | | | | | | | | | |
| 5.9.1.15.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.9.1.15.2. Operational Check | | | | | | | | - | - | - | - |
| 5.9.1.15.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 5.9.1.16. Advanced Missile Remote Interface Unit (AMRIU) TR: TOs 11B95-10-Series, 33D7-50-697-Series | | | | | | | | | | | |
| 5.9.1.16.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.9.1.16.2. Operational Check | | | | | | | | - | - | - | - |
| 5.9.1.16.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 5.9.1.17. Advanced Conventional Remote Interface Unit (ACRIU) TR: TOs 11B95-8-Series, 33D7-50-697-Series | | | | | | | | | | | |
| 5.9.1.17.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.9.1.17.2. Operational Check | | | | | | | | - | - | - | - |
| 5.9.1.17.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 5.9.1.18. Programmable Signal Processor (PSP), and Modernized Programmable Signal Processor (MPSP) (AN/APG-68) TR: 33D7-50-667-Series, 33D7-50-1902-1 | | | | | | | | | | | |
| 5.9.1.18.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.9.1.18.2. Operational Check | 5 | | | | | | | - | - | - | - |
| 5.9.1.18.3. Isolate/Repair Malfunctions | 5 | | | | | | | - | - | - | - |
| 5.9.1.19. Advanced Programmable Signal Processor (APSP) (AN/APG-68) TR: TOs 11F101-5-Series, 33D7-50-667-Series, 33D7-50-1902-1 | | | | | | | | | | | |
| 5.9.1.19.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.9.1.19.2. Operational Check | 5 | | | | | | | - | - | - | - |
| 5.9.1.19.3. Isolate/Repair Malfunctions | 5 | | | | | | | - | - | - | - |
| 5.9.1.20. Dual Mode Transmitter (DMT) (AN/APG-68) TR: TOs 11F45-2-16-Series, 33D7-50-704-Series, 33D7-50-1906-1 | | | | | | | | | | | |

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And TechnicalReferences** | Core/Cert\ | Deployment */SEI + / CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 5.9.1.20.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.9.1.20.2. Operational Check | 5 | | | | | | | - | - | - | - |
| 5.9.1.20.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 5.9.1.21. Radar Modular Low Power RF (MLPRF) (AN/APG-68) TR: TOs 11F45-2-17 Series, 33D7-50-671-Series, 33D7-50-1904-1 | | | | | | | | | | | |
| 5.9.1.21.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.9.1.21.2. Operational Check | 5 | | | | | | | 2b | - | - | - |
| 5.9.1.21.3. Isolate/Repair Malfunctions | 5 | | | | | | | - | - | - | - |
| 5.9.1.22. Radar Antenna (AN/APG-68) TR: TOs 11F5-31-Series, 33D7-50-944-Series, 33D7-50-1905-1 | | | | | | | | | | | |
| 5.9.1.22.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.9.1.22.2. Operational Check | 5 | | | | | | | - | - | - | - |
| 5.9.1.22.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 5.9.2. Specifics | | | | | | | | | | | |
| 5.9.2.1. C/I LRU and ITA Maintenance | | | | | | | | | | | |
| 5.9.2.1.1. Fire Control Navigation Panel (FCNP) TR: TOs 5N14-3-15-Series, 33D7-50-279-Series, 33D7-50-1135-Series | | | | | | | | | | | |
| 5.9.2.1.1.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.9.2.1.1.2. Operational Check | | | | | | | | - | - | - | - |
| 5.9.2.1.1.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 5.9.2.1.2. Data Transfer Cartridge (DTC), Expanded Data Transfer Cartridge (XDTC),and MDTC TR: TOs 12S2-4-11-Series,33D7-24-29-Series, 33D7-50-1027-Series | | | | | | | | | | | |
| 5.9.2.1.2.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.9.2.1.2.2. Operational Check | | | | | | | | - | - | - | - |
| 5.9.2.1.2.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 5.9.2.1.3. Rate Gyro Assembly (RGA) TR: TOs 5A11-2-77-Series, 33D7-50-358-Series | | | | | | | | | | | |
| 5.9.2.1.3.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.9.2.1.3.2. Operational Check | | | | | | | | - | - | - | - |
| 5.9.2.1.3.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 5.9.2.1.4. Accelerometer Assembly TR: TOs 5F2-33-Series, 33D7-50-358-Series | | | | | | | | | | | |
| 5.9.2.1.4.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.9.2.1.4.2. Operational Check | | | | | | | | - | - | - | - |

| 1. Tasks, Knowledge And Technical References | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Core/Cert^ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 5.9.2.1.5. General Avionic Computer (GAC) TR: TOs 11F13-14-9-Series, 33D7-50-1362-Series | | | | | | | | | | | |
| 5.9.2.1.5.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.9.2.1.5.2. Operational Check | | | | | | | | - | - | - | - |
| 5.9.2.1.5.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 5.9.2.2. D/I LRU and ITA Maintenance | | | | | | | | | | | |
| 5.9.2.2.1. Head-Up Display Pilot's Display Unit (HUD PDU) TR: TOs 5N29-11-Series, 33D7-50-291-Series | | | | | | | | | | | |
| 5.9.2.2.1.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.9.2.2.1.2. Operational Check | | | | | | | | - | - | - | - |
| 5.9.2.2.1.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 5.9.2.2.2. Head-Up Display Electronics Unit (HUD EU) TR: TOs 5N29-12-Series, 33D7-50-263-Series | | | | | | | | | | | |
| 5.9.2.2.2.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.9.2.2.2.2. Operational Check | | | | | | | | - | - | - | - |
| 5.9.2.2.2.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 5.9.2.2.3. Radar Electro Optical Indicator Unit (REO IU) TR: TOs 12P1-4-22-Series, 33D7-50-292-Series | | | | | | | | | | | |
| 5.9.2.2.3.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.9.2.2.3.2. Operational Check | | | | | | | | - | - | - | - |
| 5.9.2.2.3.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 5.9.2.2.4. Radar Electro Optical Electronic Unit (REO EU) TR: TOs 12P1-4-23-Series, 33D7-50-273-Series | | | | | | | | | | | |
| 5.9.2.2.4.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.9.2.2.4.2. Operational Check | | | | | | | | - | - | - | - |
| 5.9.2.2.4.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 5.9.2.2.5. Attitude Director Indicator (ADI) TR: TOs 5F8-3-44-Series, 33D7-50-290-Series | | | | | | | | | | | |
| 5.9.2.2.5.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.9.2.2.5.2. Operational Check | | | | | | | | - | - | - | - |
| 5.9.2.2.6. Horizontal Situation Indicator (HSI) TR: TOs 5F8-16-9-18-1, 33D7-50-290-Series | | | | | | | | | | | |
| 5.9.2.2.6.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.9.2.2.6.2. Operational Check | | | | | | | | - | - | - | - |

| 1. Tasks, Knowledge And TechnicalReferences | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Core/Cert\ | Deployment */SEI + / CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 5.9.2.2.7. Azimuth Indicator (ALR-69) TR: TOs 12P3-2ALR-8-1, 33D7-50-401-Series | | | | | | | | | | | |
| 5.9.2.2.7.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.9.2.2.7.2. Operational Check | | | | | | | | - | - | - | - |
| 5.9.2.2.7.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 5.9.2.2.8. Multifunction Display (MFD) TR: TOs 11F98-6-Series, 33D7-50-664-Series | | | | | | | | | | | |
| 5.9.2.2.8.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.9.2.2.8.2. Operational Check | | | | | | | | - | - | - | - |
| 5.9.2.2.8.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 5.9.2.2.9. Diffractive Optics Electronic Unit (DO EU) TR: TOs 5N29-15-Series,33D7-50-669-Series | | | | | | | | | | | |
| 5.9.2.2.9.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.9.2.2.9.2. Operational Check | | | | | | | | - | - | - | - |
| 5.9.2.2.9.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 5.9.2.2.10. HUD Boresight Alignment Tool (BAT) | | | | | | | | | | | |
| 5.9.2.2.10.1. Calibrate BAT | 7 | | | | | | | - | - | - | - |
| 5.9.2.3. P/P LRU and ITA Maintenance | | | | | | | | | | | |
| 5.9.2.3.1. Radar Digital Signal Processor (AN/APG-66) TR: TOs 11F101-3-Series,33D7-50-276-Series | | | | | | | | | | | |
| 5.9.2.3.1.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.9.2.3.1.2. Operational Check | | | | | | | | - | - | - | - |
| 5.9.2.3.1.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 5.9.2.3.2. Expanded Fire Control Radar Computer (XFCRC) (AN/APG-66) TR: TOs 11F12-5-11-Series, 33D7-50-274-Series | | | | | | | | | | | |
| 5.9.2.3.2.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.9.2.3.2.2. Operational Check | | | | | | | | - | - | - | - |
| 5.9.2.3.2.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 5.9.2.3.3. Stores Control Panel (SCP) TR: TOs 11B61-2-12-Series, 33D7-50-264-Series | | | | | | | | | | | |
| 5.9.2.3.3.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.9.2.3.3.2. Operational Check | | | | | | | | - | - | - | - |
| 5.9.2.3.3.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And TechnicalReferences** | Core/Cert\ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 5.9.2.3.4. Missile Remote Interface Unit (MRIU) TR: TOs 11B95-5-Series, 33D7-50-272-Series | | | | | | | | | | | |
| 5.9.2.3.4.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.9.2.3.4.2. Operational Check | | | | | | | | - | - | - | - |
| 5.9.2.3.4.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 5.9.2.3.5. Expanded Central Interface Unit (XCIU) TR: TOs 11B7-7-2-Series, 33D7-50-275-Series | | | | | | | | | | | |
| 5.9.2.3.5.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.9.2.3.5.2. Operational Check | | | | | | | | - | - | - | - |
| 5.9.2.3.5.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 5.9.2.3.6. Pneumatic Sensor Assembly(PSA) (Rosemount) TR: TOs 5F25-9-Series, 33D7-50-293-Series | | | | | | | | | | | |
| 5.9.2.3.6.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.9.2.3.6.2. Operational Check | | | | | | | | - | - | - | - |
| 5.9.2.3.6.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 5.9.2.3.7. PSA (Airesearch) TR: TOs 5F25-12-Series, 33D7-50-293-Series | | | | | | | | | | | |
| 5.9.2.3.7.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.9.2.3.7.2. Operational Check | | | | | | | | - | - | - | - |
| 5.9.2.3.7.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 5.9.2.3.8. Central Air Data Computer (CADC) TR: TOs 5F5-4-28-Series, 33D7-50-262-Series | | | | | | | | | | | |
| 5.9.2.3.8.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.9.2.3.8.2. Operational Check | | | | | | | | - | - | - | - |
| 5.9.2.3.8.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 5.9.2.3.9. Transmission Line Coupler (TLC) TR: TOs 12P3-2ALR69-42-Series, 33D7-50-403-Series | | | | | | | | | | | |
| 5.9.2.3.9.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.9.2.3.9.2. Operational Check | | | | | | | | - | - | - | - |
| 5.9.2.3.9.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 5.9.2.3.10. Enhanced Central Interface Unit (ECIU) TR: TOs 11B95-12-Series, 33D7-50-670-Series | | | | | | | | | | | |
| 5.9.2.3.10.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.9.2.3.10.2. Operational Check | | | | | | | | - | - | - | - |
| 5.9.2.3.10.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |

F-16 TRAINING REQUIREMENTS

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And TechnicalReferences** | Core/Cert^ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 5.9.2.4. RF LRU and ITA Maintenance | | | | | | | | | | | |
| 5.9.2.4.1. Radar Transmitter (AN/APG-66) TR: TOs 11F45-2-14-Series, 33D7-50-277-Series | | | | | | | | | | | |
| 5.9.2.4.1.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.9.2.4.1.2. Operational Check | | | | | | | | - | - | - | - |
| 5.9.2.4.1.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 5.9.2.4.2. Radar Low Power RF (LPRF) (AN/APG-66) TR: TOs 11F45-2-15-Series, 33D7-50-282-Series | | | | | | | | | | | |
| 5.9.2.4.2.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.9.2.4.2.2. Operational Check | | | | | | | | - | - | - | - |
| 5.9.2.4.2.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 5.9.2.4.3. Radar Antenna (AN/APG-66) TR: TOs 11F5-29-Series, 33D7-50-283-Series | | | | | | | | | | | |
| 5.9.2.4.3.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.9.2.4.3.2. Operational Check | | | | | | | | - | - | - | - |
| 5.9.2.4.3.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 5.9.2.4.4. E-J Amplifier Detector (AM-6639/ALR-46) TR: TOs 12P3-2ALR46-18-1, 33D7-50-402-Series | | | | | | | | | | | |
| 5.9.2.4.4.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.9.2.4.4.2. Operational Check | | | | | | | | - | - | - | - |
| 5.9.2.4.4.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 5.9.2.4.5. C-D Amplifier Detector (AM-6971/ALR-69) TR: TOs 12P3-2ALR69-68-1, 33D7-50-402-Series | | | | | | | | | | | |
| 5.9.2.4.5.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.9.2.4.5.2. Operational Check | | | | | | | | - | - | - | - |
| 5.9.2.4.5.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 5.9.2.4.6. Frequency Selective Receiver System (FSRS) Receiver (ALR-69) TR: TOs 12P3-2ALR69-12(C), 12P3-2ALR69-18-2, 33D7-50-402-Series | | | | | | | | | | | |
| 5.9.2.4.6.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.9.2.4.6.2. Operational Check | | | | | | | | - | - | - | - |
| 5.9.2.4.6.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 5.9.2.4.7. FSRS Receiver/Controller (ALR-69) TR: TOs 12P3-2ALR69-12(C),12P3-2ALR69-28-2, 33D7-50-554-Series | | | | | | | | | | | |

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And TechnicalReferences** | Core/Cert^ | Deployment */SEI + / CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 5.9.2.4.7.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.9.2.4.7.2. Operational Check | | | | | | | | - | - | - | - |
| 5.9.2.4.7.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 5.9.2.5. IAIS LRU and ITA Maintenance | | | | | | | | | | | |
| 5.9.2.5.1. Expanded Data Transfer Cartridge (XDTC), and MDTC TR: TOs12S2-4-11-Series, 33D7-50-1897-1 | | | | | | | | | | | |
| 5.9.2.5.1.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.9.2.5.1.2. Operational Check | | | | | | | | - | - | - | - |
| 5.9.2.5.1.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 5.9.2.5.2. MIDS/LVT TR: TO 12R2-2USQ140-8-1, 33D7-50-2965-1 | | | | | | | | | | | |
| 5.9.2.5.2.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.9.2.5.2.2. Operational Check | 5 | | | | | | | - | - | - | - |
| 5.9.2.5.2.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 5.9.2.5.3. Embedded GPS/INS (EGI) | | | | | | | | | | | |
| 5.9.2.5.3.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.9.2.5.3.2. Operational Check | | | | | | | | - | - | - | - |
| 5.9.2.5.3.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 5.9.2.5.3.4. Perform Operational Flight Plan Load | | | | | | | | - | - | - | - |
| 5.9.2.5.4. SAASM EGI | | | | | | | | | | | |
| 5.9.2.5.4.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.9.2.5.4.2. Operational Check | 5 | | | | | | | - | - | - | - |
| 5.9.2.5.4.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 5.9.2.5.4.4. Perform Operational Flight Plan Load | 5 | | | | | | | - | - | - | - |
| 5.9.2.5.5. General Avionic Computer (GAC) TR: TOs 11F13-14-9-Series, 33D7-50-1362-Series | | | | | | | | | | | |
| 5.9.2.5.5.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.9.2.5.5.2. Operational Check | | | | | | | | - | - | - | - |
| 5.9.2.5.5.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 5.9.2.6. R-IAIS LRU and ITA Maintenance | | | | | | | | | | | |
| 5.9.2.6.1. Diffractive Optics Electronic Unit (DO EU) TR: TOs 5N29-15-Series,33D7-50-1908-1 | | | | | | | | | | | |
| 5.9.2.6.1.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.9.2.6.1.2. Operational Check | | | | | | | | - | - | - | - |
| 5.9.2.6.1.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And TechnicalReferences** | Core/Cert\ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 5.9.2.6.2. Enhanced Central Interface Unit(ECIU) TR: TOs 11B95-12-Series, 33D7- 50-1910-1 | | | | | | | | | | | |
| 5.9.2.6.2.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.9.2.6.2.2. Operational Check | | | | | | | | - | - | - | - |
| 5.9.2.6.2.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 5.9.2.6.3. MIDS/LVT TR: TO 12R2-2USQ140-8-1, 33D7-50-2965-1 | | | | | | | | | | | |
| 5.9.2.6.3.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.9.2.6.3.2. Operational Check | | | | | | | | - | - | - | - |
| 5.9.2.6.3.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 5.9.2.6.4. Embedded GPS/INS (EGI) | | | | | | | | | | | |
| 5.9.2.6.4.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.9.2.6.4.2. Operational Check | | | | | | | | - | - | - | - |
| 5.9.2.6.4.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 5.9.2.6.4.4. Perform Operational Flight Plan Load | | | | | | | | - | - | - | - |
| 5.9.2.6.5. SAASM EGI | | | | | | | | | | | |
| 5.9.2.6.5.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.9.2.6.5.2. Operational Check | | | | | | | | - | - | - | - |
| 5.9.2.6.5.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 5.9.2.6.5.4. Perform Operational Flight Plan Load | | | | | | | | - | - | - | - |
| 5.9.2.6.6. Multifunctional Display (MFD) | | | | | | | | | | | |
| 5.9.2.6.6.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.9.2.6.6.2. Operational Check | | | | | | | | - | - | - | - |
| 5.9.2.6.6.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 5.9.2.6.7. Central Air Data Computer (CADC) | | | | | | | | | | | |
| 5.9.2.6.7.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.9.2.6.7.2. Operational Check | | | | | | | | - | - | - | - |
| 5.9.2.6.7.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 5.9.2.6.8. Pneumatic Sensor Assembly (PSA) | | | | | | | | | | | |
| 5.9.2.6.8.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.9.2.6.8.2. Operational Check | | | | | | | | - | - | - | - |
| 5.9.2.6.8.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 5.9.2.6.9. Color Multifunctional Display (CMFD) | | | | | | | | | | | |
| 5.9.2.6.9.1. Theory of Operation | | | | | | | | - | - | - | - |
| 5.9.2.6.9.2. Operational Check | | | | | | | | - | - | - | - |
| 5.9.2.6.9.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |

B-2 TRAINING REQUIREMENTS

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And Technical References** | Core/Cert^ | Deployment*/ SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| **Note 1:** Proficiency codes in column 4A identify the task/knowledge requirement for resident training. When two codes are used (e.g., 2b/b), the second code indications the level of training provided in the course due to equipment shortages or other constraints; dash (e.g., 2b/-) indicates the item will not be trained until the constraint is eliminated. | | | | | | | | | | | |
| 6. ATTACHMENT 6, B-2 TRAINING REQUIREMENTS | | | | | | | | | | | |
| 6.1. PORTABLE AUTOMATIC TEST EQUIPMENT CALIBRATOR (PATEC) | | | | | | | | | | | |
| 6.1.1. Operation | | | | | | | | - | - | - | - |
| 6.2. VERSATILE DIAGNOSTIC AUTOMATIC TESTING STATION (VDATS) TR: 51C3-1-144-3 | | | | | | | | | | | |
| 6.2.1. Theory of Operation | | | | | | | | | | | |
| 6.2.1.1. AC Power Distribution and Cooling | | | | | | | | - | A | - | - |
| 6.2.1.2. System Controller and Interfaces | | | | | | | | A | A | - | - |
| 6.2.1.3. Test Instruments | | | | | | | | A | A | - | - |
| 6.2.1.4. Software | | | | | | | | - | A | - | - |
| 6.2.2. Preparation for Use | | | | | | | | | | | |
| 6.2.2.1. Uncrate the VDATS | | | | | | | | - | - | - | - |
| 6.2.2.2. Assemble the VDATS | 7 | | | | | | | - | - | - | - |
| 6.2.2.3. Reposition the VDATS | 7 | | | | | | | - | - | - | - |
| 6.2.3. System Controller Set | | | | | | | | | | | |
| 6.2.3.1. System Controller (A0A1) | | | | | | | | | | | |
| 6.2.3.1.1. Isolate/Repair Malfunctions | 7 | | | | | | | - | - | - | - |
| 6.2.3.1.2. Remove and Replace | 7 | | | | | | | - | - | - | - |
| 6.2.3.2. System Printer (A0A2) | | | | | | | | | | | |
| 6.2.3.2.1. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 6.2.3.2.2. Remove and Replace | | | | | | | | - | - | - | - |
| 6.2.3.3. Flat Panel Monitor (A0A3) | | | | | | | | | | | |
| 6.2.3.3.1. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 6.2.3.3.2. Remove and Replace | | | | | | | | - | - | - | - |
| 6.2.4. BAY 1 TRUs | | | | | | | | | | | |
| 6.2.4.1. 20KVA Power Distribution Unit (A1A1) | | | | | | | | | | | |
| 6.2.4.1.1. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And Technical References** | Core/Cert\ | Deployment*/ SEI + / CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 6.2.4.1.2. Remove and Replace | | | | | | | | - | - | - | - |
| 6.2.4.2. DC Power Supply 8 and 9 Assemblies (A1A2, A1A3) | | | | | | | | | | | |
| 6.2.4.2.1. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 6.2.4.2.2. Remove and Replace | | | | | | | | - | - | - | - |
| 6.2.4.3. AC Power Supply 1 thru 3 Assembly (A1A4) | | | | | | | | | | | |
| 6.2.4.3.1. AC Power Supply Chassis (A1A4) | | | | | | | | | | | |
| 6.2.4.3.1.1. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 6.2.4.3.1.2. Remove and Replace | | | | | | | | - | - | - | - |
| 6.2.4.3.2. AC Power Supply Module (A1A4A4, A1A4A7, A1A4A10) | | | | | | | | | | | |
| 6.2.4.3.2.1. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 6.2.4.3.2.2. Remove and Replace | | | | | | | | - | - | - | - |
| 6.2.4.4. DC Power Supply 1 thru 7 Assembly (A1A5) | | | | | | | | | | | |
| 6.2.4.4.1. DC Power Supply Chassis (A1A5) | | | | | | | | | | | |
| 6.2.4.4.1.1. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 6.2.4.4.1.2. Remove and Replace | | | | | | | | - | - | - | - |
| 6.2.4.4.2. Power Supply LXI Controller (A1A5A1) | | | | | | | | | | | |
| 6.2.4.4.2.1. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 6.2.4.4.2.2. Remove and Replace | | | | | | | | - | - | - | - |
| 6.2.4.4.3. High Power DC Power Supply Module (A1A5A2, A1A5A4, A1A5A6, A1A5A8) | | | | | | | | | | | |
| 6.2.4.4.3.1. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 6.2.4.4.3.2. Remove and Replace | | | | | | | | - | - | - | - |
| 6.2.4.4.4. Low Power DC Power Supply Module (A1A5A10, A1A5A11, A1A5A12) | | | | | | | | | | | |
| 6.2.4.4.4.1. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |

B-2 TRAINING REQUIREMENTS

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| | Core/Cert^ | Deployment*/ SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 6.2.4.4.4.2. Remove and Replace | | | | | | | | - | - | - | - |
| 6.2.4.5. DC Load 1 thru 6 Assembly (A1A6) | | | | | | | | | | | |
| 6.2.4.5.1. DC Load Chassis (A1A6) | | | | | | | | | | | |
| 6.2.4.5.1.1. Isolate/Repair Malfunctions | 7 | | | | | | | - | - | - | - |
| 6.2.4.5.1.2. Remove and Replace | 5 | | | | | | | - | - | - | - |
| 6.2.4.5.2. DC Load Module (A1A6A1, A1A6A2, A1A6A3, A1A6A4, A1A6A5, A1A6A6) | | | | | | | | | | | |
| 6.2.4.5.2.1. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 6.2.4.5.2.2. Remove and Replace | | | | | | | | - | - | - | - |
| 6.2.4.6. Control Panel Assembly (A1A7) | | | | | | | | | | | |
| 6.2.4.6.1. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 6.2.4.6.2. Remove and Replace | | | | | | | | - | - | - | - |
| 6.2.4.7. Arbitrary Function Generator 3 Assembly (A1A8) | | | | | | | | | | | |
| 6.2.4.7.1. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 6.2.4.7.2. Remove and Replace | | | | | | | | - | - | - | - |
| 6.2.5. BAY 2 TRUs | | | | | | | | | | | |
| 6.2.5.1. VXI Assembly (A2A2) | | | | | | | | | | | |
| 6.2.5.1.1. Low Power VXI Chassis (A2A2) | | | | | | | | | | | |
| 6.2.5.1.1.1. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 6.2.5.1.1.2. Remove and Replace | | | | | | | | - | - | - | - |
| 6.2.5.1.2. MXI-2/VXI Controller (A2A2A0) | | | | | | | | | | | |
| 6.2.5.1.2.1. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 6.2.5.1.2.2. Remove and Replace | | | | | | | | - | - | - | - |
| 6.2.5.1.3. CPM Controller (A2A2A1) | | | | | | | | | | | |
| 6.2.5.1.3.1. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 6.2.5.1.3.2. Remove and Replace | | | | | | | | - | - | - | - |
| 6.2.5.1.4. Switch System Base Unit (A2A2A2, A2A2A7, A2A2A8) | | | | | | | | | | | |
| 6.2.5.1.4.1. Isolate/Repair Malfunctions | 7 | | | | | | | - | - | - | - |

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| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 6.2.5.1.4.2. Remove and Replace | 5 | | | | | | | - | - | - | - |
| 6.2.5.1.4.3. Switch System Base Unit Module (A2A2A2A1, A2A2A2A2, A2A2A7A1, A2A2A7A2, A2A2A8A1, A2A2A8A2) | | | | | | | | | | | |
| 6.2.5.1.4.3.1. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 6.2.5.1.4.3.2. Remove and Replace | | | | | | | | - | - | - | - |
| 6.2.5.1.5. Bus Test Instrument (A2A2A4) | | | | | | | | | | | |
| 6.2.5.1.5.1. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 6.2.5.1.5.2. Remove and Replace | | | | | | | | - | - | - | - |
| 6.2.5.1.6. Counter/Timer (A2A2A6) | | | | | | | | | | | |
| 6.2.5.1.6.1. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 6.2.5.1.6.2. Remove and Replace | | | | | | | | - | - | - | - |
| 6.2.5.1.7. PLL Waveform Synthesizer 1 and 2 (A2A2A9, A2A2A10) | | | | | | | | | | | |
| 6.2.5.1.7.1. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 6.2.5.1.7.2. Remove and Replace | | | | | | | | - | - | - | - |
| 6.2.5.1.8. Digital Multimeter (A2A2A11) | | | | | | | | | | | |
| 6.2.5.1.8.1. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 6.2.5.1.8.2. Remove and Replace | | | | | | | | - | - | - | - |
| 6.2.5.1.9. Synchro/Resolver Simulator (A2A2A12) | | | | | | | | | | | |
| 6.2.5.1.9.1. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 6.2.5.1.9.2. Remove and Replace | | | | | | | | - | - | - | - |
| 6.2.5.2. Cross Point Matrix (A2A3) | | | | | | | | | | | |
| 6.2.5.2.1. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 6.2.5.2.2. Remove and Replace | | | | | | | | - | - | - | - |
| 6.2.5.2.3. 48 Channel Matrix Module (A2A3A1 thru A2A3A11) | | | | | | | | | | | |
| 6.2.5.2.3.1. Isolate/Repair Malfunctions | 7 | | | | | | | - | - | - | - |
| 6.2.5.2.3.2. Remove and Replace | 7 | | | | | | | - | - | - | - |

B-2 TRAINING REQUIREMENTS

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| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 6.2.5.2.4. 12 Port Instrument Module (A2A3A0, A2A3A12) | | | | | | | | | | | |
| 6.2.5.2.4.1. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 6.2.5.2.4.2. Remove and Replace | | | | | | | | - | - | - | - |
| 6.2.5.3. 4KW VXI Chassis (A2A4) | | | | | | | | | | | |
| 6.2.5.3.1. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 6.2.5.3.2. Remove and Replace | | | | | | | | - | - | - | - |
| 6.2.5.3.3. MXI-2/VXI Controller (A2A4A0) | | | | | | | | | | | |
| 6.2.5.3.3.1. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 6.2.5.3.3.2. Remove and Replace | | | | | | | | - | - | - | - |
| 6.2.5.3.4. 48 Channel 25 MHZ Digital Card (A2A4A1 thru A2A4A11) | | | | | | | | | | | |
| 6.2.5.3.4.1. Isolate/Repair Malfunctions | 7 | | | | | | | - | - | - | - |
| 6.2.5.3.4.2. Remove and Replace | 5 | | | | | | | - | - | - | - |
| 6.2.5.3.5. Central Resource Board (A2A4A12) | | | | | | | | | | | |
| 6.2.5.3.5.1. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 6.2.5.3.5.2. Remove and Replace | | | | | | | | - | - | - | - |
| 6.2.5.4. Pulse Pattern Generator 1 (A2A5) | | | | | | | | | | | |
| 6.2.5.4.1. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 6.2.5.4.2. Remove and Replace | | | | | | | | - | - | - | - |
| 6.2.5.5. Digital Oscilloscope (A2A6) | | | | | | | | | | | |
| 6.2.5.5.1. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 6.2.5.5.2. Remove and Replace | | | | | | | | - | - | - | - |
| 6.2.5.6. Interface Connector Adapter (A2A7) | | | | | | | | | | | |
| 6.2.5.6.1. Lower | 5 | | | | | | | - | - | - | - |
| 6.2.5.6.2. Isolate/Repair Malfunctions | 7 | | | | | | | - | - | - | - |
| 6.2.5.6.3. Remove and Replace | | | | | | | | - | - | - | - |
| 6.2.6. Interface Test Adapter | | | | | | | | | | | |
| 6.2.6.1. Install/Remove | 5 | | | | | | | - | - | - | - |
| 6.2.6.2. Isolate/Repair Malfunctions | 7 | | | | | | | - | - | - | - |
| 6.2.7. VDATS Maintenance | | | | | | | | | | | |
| 6.2.7.1. Operating Procedures | | | | | | | | | | | |
| 6.2.7.1.1. Perform Station Startup | 5 | | | | | | | - | b | - | - |

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| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 6.2.7.1.2. Perform Station Shutdown | 5 | | | | | | | - | b | - | - |
| 6.2.7.1.3. Emergency Shutdown | 5 | | | | | | | - | - | - | - |
| 6.2.7.1.4. Lockout/Tagout Procedures | 7 | | | | | | | - | - | - | - |
| 6.2.7.1.5. VDATS Software | | | | | | | | | | | |
| 6.2.7.1.5.1. Configure Hard Drive | | | | | | | | - | - | - | - |
| 6.2.7.1.5.2. Load/Update Hard Drive Image | 7 | | | | | | | - | b | - | - |
| 6.2.7.1.5.3. Load/Update TPS Software | 5 | | | | | | | - | b | - | - |
| 6.2.7.1.5.4. Load Antivirus Software Definition Update | 5 | | | | | | | - | - | - | - |
| 6.2.7.1.5.5. Verify Antivirus Software Definition Date | 5 | | | | | | | - | - | - | - |
| 6.2.7.1.5.6. Run Virus Scan | 5 | | | | | | | - | - | - | - |
| 6.2.7.1.5.7. Virus Incident Reporting | 5 | | | | | | | - | - | - | - |
| 6.2.7.1.5.8. Uninstall Software | 5 | | | | | | | - | - | - | - |
| 6.2.8. Perform VDATS Preventative Maintenance | | | | | | | | | | | |
| 6.2.8.1. 7-Day | 5 | | | | | | | - | - | - | - |
| 6.2.8.2. 30-Day | 5 | | | | | | | - | - | - | - |
| 6.2.8.3. 365-Day | 5 | | | | | | | - | - | - | - |
| 6.2.9. Perform VDATS Self-tests | | | | | | | | | | | |
| 6.2.9.1. Confidence | 5 | | | | | | | - | - | - | - |
| 6.2.9.2. Functional | 5 | | | | | | | - | - | - | - |
| 6.2.9.3. Interactive | 5 | | | | | | | - | - | - | - |
| 6.2.9.4. Calibration | 7 | | | | | | | - | - | - | - |
| 6.2.10. VDATS AUGMENTATION BAY 2 TR: 51V10-1-2-1 | | | | | | | | | | | |
| 6.2.10.1. Theory of Operation | | | | | | | | | | | |
| 6.2.10.1.1. AC Power Distribution and Cooling | | | | | | | | - | A | - | - |
| 6.2.10.1.2. System Controller and Interfaces | | | | | | | | A | A | - | - |
| 6.2.10.1.3. Test Instruments | | | | | | | | A | A | - | - |
| 6.2.10.1.4. Software | | | | | | | | - | A | - | - |
| 6.2.10.2. Preparation for Use | | | | | | | | | | | |
| 6.2.10.2.1. Unpack AB-2 | | | | | | | | - | - | - | - |
| 6.2.10.2.2. Assemble the AB-2 to VDATS | 7 | | | | | | | - | - | - | - |
| 6.2.10.2.3. Reposition the AB-2 | 7 | | | | | | | - | - | - | - |
| 6.2.10.3. BAY 1 TRUs | | | | | | | | | | | |

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| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 6.2.10.3.1. 20KVA Power Distribution Unit (A1A1) | | | | | | | | | | | |
| 6.2.10.3.1.1. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 6.2.10.3.1.2. Remove and Replace | | | | | | | | - | - | - | - |
| 6.2.10.3.2. DC Power Supply 10 and 11 Assemblies (A1A2, A1A3) | | | | | | | | | | | |
| 6.2.10.3.2.1. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 6.2.10.3.2.2. Remove and Replace | | | | | | | | - | - | - | - |
| 6.2.10.3.3. Low Power VXI Chassis (A1A4) | | | | | | | | | | | |
| 6.2.10.3.3.1. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 6.2.10.3.3.2. Remove and Replace | | | | | | | | - | - | - | - |
| 6.2.10.3.4. MXI-2/VXI Controller (A1A4A0) | | | | | | | | | | | |
| 6.2.10.3.4.1. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 6.2.10.3.4.2. Remove and Replace | | | | | | | | - | - | - | - |
| 6.2.10.3.5. LVDT/RVDT Assembly (A1A4A1) | | | | | | | | | | | |
| 6.2.10.3.5.1. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 6.2.10.3.5.2. Remove and Replace | | | | | | | | - | - | - | - |
| 6.2.10.3.6. Synchro/Resolver Simulator 2 (A1A4A2) | | | | | | | | | | | |
| 6.2.10.3.6.1. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 6.2.10.3.6.2. Remove and Replace | | | | | | | | - | - | - | - |
| 6.2.10.3.7. Programmable Video Generator Assembly (A1A4A3) | | | | | | | | | | | |
| 6.2.10.3.7.1. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 6.2.10.3.7.2. Remove and Replace | | | | | | | | - | - | - | - |
| 6.2.10.3.8. Arbitrary Function Generator 4/5 Assembly (A1A4A4) | | | | | | | | | | | |
| 6.2.10.3.8.1. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 6.2.10.3.8.2. Remove and Replace | | | | | | | | - | - | - | - |

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| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 6.2.10.3.9. Arbitrary Function Generator 6 Assembly (A1A6) | | | | | | | | | | | |
| 6.2.10.3.9.1. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 6.2.10.3.9.2. Remove and Replace | | | | | | | | - | - | - | - |
| 6.2.10.3.10. Interface Connector Adapter (A1A5) | | | | | | | | | | | |
| 6.2.10.3.10.1. Lower | 5 | | | | | | | - | - | - | - |
| 6.2.10.3.10.2. Isolate/Repair Malfunctions | 7 | | | | | | | - | - | - | - |
| 6.2.10.3.10.3. Remove and Replace | | | | | | | | - | - | - | - |
| 6.2.10.3.11. Interface Test Adapter | | | | | | | | | | | |
| 6.2.10.3.11.1. Install/Remove | 5 | | | | | | | - | - | - | - |
| 6.2.10.3.11.2. Isolate/Repair Malfunctions | 7 | | | | | | | - | - | - | - |
| 6.2.10.3.12. AC Signal Amplifier 1 and 2 Assemblies (A1B1, A1B2) | | | | | | | | | | | |
| 6.2.10.3.12.1. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 6.2.10.3.12.2. Remove and Replace | | | | | | | | - | - | - | - |
| 6.2.10.4. BAY 2 TRUs | | | | | | | | | | | |
| 6.2.10.4.1. AC Power Supply 4 Assembly (A2A1) | | | | | | | | | | | |
| 6.2.10.4.1.1. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 6.2.10.4.1.2. Remove and Replace | | | | | | | | - | - | - | - |
| 6.2.10.4.2. Fan Assembly (A2A2) | | | | | | | | | | | |
| 6.2.10.4.2.1. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 6.2.10.4.2.2. Remove and Replace | | | | | | | | - | - | - | - |
| 6.2.10.4.3. DC High Power Load 7 Assembly (A2A3) | | | | | | | | | | | |
| 6.2.10.4.3.1. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 6.2.10.4.3.2. Remove and Replace | | | | | | | | - | - | - | - |
| 6.2.10.4.4. Pulse Pattern Generator 2 (A2A5) | | | | | | | | | | | |
| 6.2.10.4.4.1. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 6.2.10.4.4.2. Remove and Replace | | | | | | | | - | - | - | - |

B-2 TRAINING REQUIREMENTS

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And Technical References** | Core/Cert^ | Deployment*/ SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 6.2.10.4.5. DC Power Supply 11 and 12 Assemblies (A2A6, A2A7) | | | | | | | | | | | |
| 6.2.10.4.5.1. Isolate/Repair Malfunctions | 7 | | | | | | | - | - | - | - |
| 6.2.10.4.5.2. Remove and Replace | 5 | | | | | | | - | - | - | - |
| 6.2.10.5. VDATS AB-2 Maintenance | | | | | | | | | | | |
| 6.2.10.5.1. Perform AB-2 Preventative Maintenance | | | | | | | | | | | |
| 6.2.10.5.1.1. 7-Day | 5 | | | | | | | - | - | - | - |
| 6.2.10.5.1.2. 30-Day | 5 | | | | | | | - | - | - | - |
| 6.2.10.5.1.3. 365-Day | 5 | | | | | | | - | - | - | - |
| 6.2.10.5.2. Perform AB-2 Self-tests | | | | | | | | | | | |
| 6.2.10.5.2.1. Confidence | 5 | | | | | | | - | - | - | - |
| 6.2.10.5.2.2. Functional | 5 | | | | | | | - | - | - | - |
| 6.2.10.5.2.3. Calibration | 7 | | | | | | | - | - | - | - |
| 6.2.11. Adaptable Communications Suite TR: 12R2-5-ACS-3 | | | | | | | | | | | |
| 6.2.11.1. ACS Theory of Operation | | | | | | | | - | - | - | - |
| 6.2.11.2. Computer | | | | | | | | | | | |
| 6.2.11.2.1. Theory of Operation | | | | | | | | - | - | - | - |
| 6.2.11.2.2. Maintenance | | | | | | | | - | - | - | - |
| 6.2.11.2.3. Functional Checks | | | | | | | | - | - | - | - |
| 6.2.11.2.4. Fault Isolation | | | | | | | | - | - | - | - |
| 6.2.11.3. Workstation | | | | | | | | | | | |
| 6.2.11.3.1. Theory of Operation | | | | | | | | - | - | - | - |
| 6.2.11.3.2. Maintenance | | | | | | | | - | - | - | - |
| 6.2.11.3.3. Functional Checks | | | | | | | | - | - | - | - |
| 6.2.11.3.4. Fault Isolation | | | | | | | | - | - | - | - |
| 6.2.11.4. Keyboard Video Mouse (KVB) Switch | | | | | | | | | | | |
| 6.2.11.4.1. Theory of Operation | | | | | | | | - | - | - | - |
| 6.2.11.4.2. Maintenance | | | | | | | | - | - | - | - |
| 6.2.11.4.3. Functional Checks | | | | | | | | - | - | - | - |
| 6.2.11.4.4. Fault Isolation | | | | | | | | - | - | - | - |
| 6.2.12. Common VLF Receiver (CVR) TR: 31S5-4-3753-1 | | | | | | | | | | | |
| 6.2.12.1. Ground Station | | | | | | | | | | | |
| 6.2.12.1.1. Theory of Operation | | | | | | | | - | - | - | - |
| 6.2.12.1.2. Operational Checkout | | | | | | | | - | - | - | - |
| 6.2.12.1.3. Troubleshooting | | | | | | | | - | - | - | - |

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And Technical References** | Core/Cert^ | Deployment*/ SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 6.2.12.1.4. Remove/Install | | | | | | | | | | | |
| 6.2.12.1.4.1. DAGR Installation Mount | | | | | | | | - | - | - | - |
| 6.2.12.1.4.2. PTSMT (PTS1-8) | | | | | | | | - | - | - | - |
| 6.2.12.1.4.3. PTS | | | | | | | | - | - | - | - |
| 6.2.12.1.4.4. Storage Drawer | | | | | | | | - | - | - | - |
| 6.2.12.1.4.5. Blank Panel | | | | | | | | - | - | - | - |
| 6.2.12.1.4.6. Cable Reel | | | | | | | | - | - | - | - |
| 6.2.12.1.4.7. Ethernet Switch A200 | | | | | | | | - | - | - | - |
| 6.2.12.1.4.8. Patch Panel A300 | | | | | | | | - | - | - | - |
| 6.2.12.1.4.9. Frequency Standard A400 | | | | | | | | - | - | - | - |
| 6.2.12.1.4.10. Fan Assembly B101 | | | | | | | | - | - | - | - |
| 6.2.12.1.4.11. Power Strip B102 | | | | | | | | - | - | - | - |
| 6.2.12.1.4.12. Tray Assembly MP100 | | | | | | | | - | - | - | - |
| 6.2.12.1.4.13. Power Feedthrough Panel MP200 | | | | | | | | - | - | - | - |
| 6.2.13. Actuator Remote Terminal (ART) TR: TO 8D1-64-21-2, 8D1-64- 21-4, CPIN: 81F-OQ498/ART-U001- 01A | | | | | | | | | | | |
| 6.2.13.1. Theory of Operation | | | | | | | | - | - | - | - |
| 6.2.13.2. Test | | | | | | | | | | | |
| 6.2.13.2.1. PM (Interface Test Adapter)ITA | 5 | | | | | | | - | - | - | - |
| 6.2.13.2.2. LRU | 5 | | | | | | | - | - | - | - |
| 6.2.13.3. Repair | | | | | | | | | | | |
| 6.2.13.3.1. PM ITA | 7 | | | | | | | - | - | - | - |
| 6.2.13.3.2. LRU | 5 | | | | | | | - | - | - | - |
| 6.2.14. Anti-Skid Control Unit (ASCU) TR: TO 4BA8-43-2, CPIN: 81U- OQ503/ASCU-U001-01A | | | | | | | | | | | |
| 6.2.14.1. Theory of Operation | | | | | | | | - | - | - | - |
| 6.2.14.2. Test | | | | | | | | | | | |
| 6.2.14.2.1. ITA | | | | | | | | - | - | - | - |
| 6.2.14.2.2. LRU | | | | | | | | - | - | - | - |
| 6.2.14.3. Repair | | | | | | | | | | | |
| 6.2.14.3.1. ITA | | | | | | | | - | - | - | - |
| 6.2.14.3.2. LRU | | | | | | | | - | - | - | - |

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
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| **1. Tasks, Knowledge And Technical References** | Core/Cert^ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 6.2.15. Audio Central Distribution Unit (ACDU) TR: TO 12R2-4-303-Series, CPIN: 81C-OQ470/ACDU-U001-01A | | | | | | | | | | | |
| 6.2.15.1. Theory of Operation | | | | | | | | - | - | - | - |
| 6.2.15.2. Test | | | | | | | | | | | |
| 6.2.15.2.1. ITA | | | | | | | | - | - | - | - |
| 6.2.15.2.2. LRU | | | | | | | | - | - | - | - |
| 6.2.15.3. Repair | | | | | | | | | | | |
| 6.2.15.3.1. ITA | | | | | | | | - | - | - | - |
| 6.2.15.3.2. LRU | | | | | | | | - | - | - | - |
| 6.2.16. Audio Control Panel (ACP) TR: TO 12R2-4-304-Series, CPIN: 81C-OQ470/ACDU-U001-01A | | | | | | | | | | | |
| 6.2.16.1. Theory of Operation | | | | | | | | - | - | - | - |
| 6.2.16.2. Test | | | | | | | | | | | |
| 6.2.16.2.1. ITA | | | | | | | | - | - | - | - |
| 6.2.16.2.2. LRU | 5 | | | | | | | - | - | - | - |
| 6.2.16.3. Repair | | | | | | | | | | | |
| 6.2.16.3.1. ITA | | | | | | | | - | - | - | - |
| 6.2.16.3.2. LRU | | | | | | | | - | - | - | - |
| 6.2.17. Avionic Control Computer (ACC) TR: TO 12P5-4-91- Series, CPIN: 81Q-OQ512/ACC-U001-01A | | | | | | | | | | | |
| 6.2.17.1. Theory of Operation | | | | | | | | - | - | - | - |
| 6.2.17.2. Test | | | | | | | | | | | |
| 6.2.17.2.1. ITA | 5 | | | | | | | - | - | - | - |
| 6.2.17.2.2. LRU | 5 | | | | | | | - | - | - | - |
| 6.2.17.3. Repair | | | | | | | | | | | |
| 6.2.17.3.1. ITA | 7 | | | | | | | - | - | - | - |
| 6.2.17.3.2. LRU | 5 | | | | | | | - | - | - | - |
| 6.2.18. Bus Control Unit (BCU) TR: TOs 8A3-5-60-Series, CPIN: 81Q-OQ497/BCU-U001-01A | | | | | | | | | | | |
| 6.2.18.1. Theory of Operation | | | | | | | | - | - | - | - |
| 6.2.18.2. Test | | | | | | | | | | | |
| 6.2.18.2.1. ITA | | | | | | | | - | - | - | - |
| 6.2.18.2.2. LRU | | | | | | | | - | - | - | - |
| 6.2.18.3. Repair | | | | | | | | | | | |
| 6.2.18.3.1. ITA | | | | | | | | - | - | - | - |
| 6.2.18.3.2. LRU | | | | | | | | - | - | - | - |

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
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| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 6.2.19. Conditioned Air System Controller (CASC) TR: TOs 15A-2-8-Series, CPIN: 81N-OQ469/CASC-U001-01A | | | | | | | | | | | |
| 6.2.19.1. Theory of Operation | | | | | | | | - | - | - | - |
| 6.2.19.2. Test | | | | | | | | | | | |
| 6.2.19.2.1. ITA | | | | | | | | - | - | - | - |
| 6.2.19.2.2. LRU | | | | | | | | - | - | - | - |
| 6.2.19.3. Repair | | | | | | | | | | | |
| 6.2.19.3.1. ITA | | | | | | | | - | - | - | - |
| 6.2.19.3.2. LRU | | | | | | | | - | - | - | - |
| 6.2.20. Engine Start Control Unit (ESCU) TR: TOs 2JA3-67-Series, CPIN: 81E-OQ474/ESCU-U001-01A | | | | | | | | | | | |
| 6.2.20.1. Theory of Operation | | | | | | | | - | - | - | - |
| 6.2.20.2. Test | | | | | | | | | | | |
| 6.2.20.2.1. ITA | | | | | | | | - | - | - | - |
| 6.2.20.2.2. LRU | | | | | | | | - | - | - | - |
| 6.2.20.3. Repair | | | | | | | | | | | |
| 6.2.20.3.1. ITA | | | | | | | | - | - | - | - |
| 6.2.20.3.2. LRU | | | | | | | | - | - | - | - |
| 6.2.21. Engine Thrust Control Unit (ETCU) TR: TOs 8D3-3-4-Series, CPIN: 81E-OQ468/ETCU-U001-01D | | | | | | | | | | | |
| 6.2.21.1. Theory of Operation | | | | | | | | - | - | - | - |
| 6.2.21.2. Test | | | | | | | | | | | |
| 6.2.21.2.1. ITA | | | | | | | | - | - | - | - |
| 6.2.21.2.2. LRU | | | | | | | | - | - | - | - |
| 6.2.21.3. Repair | | | | | | | | | | | |
| 6.2.21.3.1. ITA | | | | | | | | - | - | - | - |
| 6.2.21.3.2. LRU | | | | | | | | - | - | - | - |
| 6.2.22. Fire Warning and Leak Detector (FWALD) TR: TOs 8A3-17-7-Series, CPIN: 81E-OQ473/FWLDC- U001-01A | | | | | | | | | | | |
| 6.2.22.1. Theory of Operation | | | | | | | | - | - | - | - |
| 6.2.22.2. Test | | | | | | | | | | | |
| 6.2.22.2.1. ITA | | | | | | | | - | - | - | - |
| 6.2.22.2.2. LRU | | | | | | | | - | - | - | - |

B-2 TRAINING REQUIREMENTS

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
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| **1. Tasks, Knowledge And Technical References** | Core/Cert^ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 6.2.22.3. Repair | | | | | | | | | | | |
| 6.2.22.3.1. ITA | | | | | | | | - | - | - | - |
| 6.2.22.3.2. LRU | | | | | | | | - | - | - | - |
| 6.2.23. Flight Control Computer (FCC) TR: TOs 5F5-13-6-Series, CPIN: 81F-OQ513/FCC-U001-01A | | | | | | | | | | | |
| 6.2.23.1. Theory of Operation | | | | | | | | - | - | - | - |
| 6.2.23.2. Test | | | | | | | | | | | |
| 6.2.23.2.1. ITA | 5 | | | | | | | - | - | - | - |
| 6.2.23.2.2. LRU | 5 | | | | | | | - | - | - | - |
| 6.2.23.3. Repair | | | | | | | | | | | |
| 6.2.23.3.1. ITA | | | | | | | | - | - | - | - |
| 6.2.23.3.2. LRU | 5 | | | | | | | - | - | - | - |
| 6.2.23.4. Erase/Reprogram EEPROM CCA | 5 | | | | | | | - | - | - | - |
| 6.2.24. Fuel Management Measurement Processor (FMMP) TR: TOs 5L18-4-Series, CPIN: 81S-OQ502/FMMP U001-01A | | | | | | | | | | | |
| 6.2.24.1. Theory of Operation | | | | | | | | - | - | - | - |
| 6.2.24.2. Test | | | | | | | | | | | |
| 6.2.24.2.1. ITA | | | | | | | | - | - | - | - |
| 6.2.24.2.2. LRU | | | | | | | | - | - | - | - |
| 6.2.24.3. Repair | | | | | | | | | | | |
| 6.2.24.3.1. ITA | | | | | | | | - | - | - | - |
| 6.2.24.3.2. LRU | | | | | | | | - | - | - | - |
| 6.2.25. Manual Fuel Control Panel (MFCP) 8334706 TR: TOs 8D3-18-19-Series, CPIN: 81S-OQ472/MFCP-U001-01A | | | | | | | | | | | |
| 6.2.25.1. Theory of Operation | | | | | | | | - | - | - | - |
| 6.2.25.2. Test | | | | | | | | | | | |
| 6.2.25.2.1. ITA | 5 | | | | | | | - | - | - | - |
| 6.2.25.2.2. LRU | 5 | | | | | | | - | - | - | - |
| 6.2.25.3. Repair | | | | | | | | | | | |
| 6.2.25.3.1. ITA | | | | | | | | - | - | - | - |
| 6.2.25.3.2. LRU | 5 | | | | | | | - | - | - | - |
| 6.2.26. On Board Maintenance Printer (OBMP) TR: TO 12S2-4-21- Series | | | | | | | | | | | |
| 6.2.26.1. Theory of Operation | | | | | | | | - | - | - | - |
| 6.2.26.2. Test | | | | | | | | | | | |
| 6.2.26.2.1. ITA | 5 | | | | | | | - | - | - | - |
| 6.2.26.2.2. LRU | 5 | | | | | | | - | - | - | - |

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
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| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 6.2.26.3. Repair | | | | | | | | | | | |
| 6.2.26.3.1. ITA | | | | | | | | - | - | - | - |
| 6.2.26.3.2. LRU | | | | | | | | - | - | - | - |
| 6.2.27. Power Control Unit (PCU) TR: TOs 12R5-4-224-Series, CPIN: 81F- OQ500/PCU-U001-01A | | | | | | | | | | | |
| 6.2.27.1. Theory of Operation | | | | | | | | - | - | - | - |
| 6.2.27.2. Test | | | | | | | | | | | |
| 6.2.27.2.1. ITA | | | | | | | | - | - | - | - |
| 6.2.27.2.2. LRU | | | | | | | | - | - | - | - |
| 6.2.27.3. Repair | | | | | | | | | | | |
| 6.2.27.3.1. ITA | | | | | | | | - | - | - | - |
| 6.2.27.3.2. LRU | | | | | | | | - | - | - | - |
| 6.2.28. Power Drive Controller (PDC) TR: TOs 8D3-3-5-Series, CPIN: 81Q-OQ505/PDC-U001-01A | | | | | | | | | | | |
| 6.2.28.1. Theory of Operation | | | | | | | | - | - | - | - |
| 6.2.28.2. Test | | | | | | | | | | | |
| 6.2.28.2.1. ITA | | | | | | | | - | - | - | - |
| 6.2.28.2.2. LRU | | | | | | | | - | - | - | - |
| 6.2.28.3. Repair | | | | | | | | | | | |
| 6.2.28.3.1. ITA | | | | | | | | - | - | - | - |
| 6.2.28.3.2. LRU | | | | | | | | - | - | - | - |
| 6.2.29. Status Monitor Remote Terminal (SMRT) TR: TOs 8A3-17-8-Series, CPIN: 81F-OQ467/SMRT-U001-01A | | | | | | | | | | | |
| 6.2.29.1. Theory of Operation | | | | | | | | - | - | - | - |
| 6.2.29.2. Test | | | | | | | | | | | |
| 6.2.29.2.1. ITA | | | | | | | | - | - | - | - |
| 6.2.29.2.2. LRU | | | | | | | | - | - | - | - |
| 6.2.29.3. Repair | | | | | | | | | | | |
| 6.2.29.3.1. ITA | | | | | | | | - | - | - | - |
| 6.2.29.3.2. LRU | | | | | | | | - | - | - | - |
| 6.2.30. Generator Control Unit (GCU) TR: TO 8A3-5-59-2 | | | | | | | | | | | |
| 6.2.30.1. Theory of Operation | | | | | | | | - | - | - | - |
| 6.2.30.2. Test | | | | | | | | | | | |
| 6.2.30.2.1. ITA | | | | | | | | - | - | - | - |
| 6.2.30.2.2. LRU | | | | | | | | - | - | - | - |

B-2 TRAINING REQUIREMENTS

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
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| **1. Tasks, Knowledge And Technical References** | Core/Cert\ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 6.2.30.3. Repair | | | | | | | | | | | |
| 6.2.30.3.1. ITA | | | | | | | | - | - | - | - |
| 6.2.30.3.2. LRU | | | | | | | | - | - | - | - |
| 6.2.31. Electronic Control Unit/Auxiliary Power Unit TR: TO 8D3-6-27-Series, CPIN: 1QOQ475/ECU-U001-01A | | | | | | | | | | | |
| 6.2.31.1. Theory of Operation | | | | | | | | - | - | - | - |
| 6.2.31.2. Test | | | | | | | | | | | |
| 6.2.31.2.1. ITA | | | | | | | | - | - | - | - |
| 6.2.31.2.2. LRU | | | | | | | | - | - | - | - |
| 6.2.31.3. Repair | | | | | | | | | | | |
| 6.2.31.3.1. ITA | | | | | | | | - | - | - | - |
| 6.2.31.3.2. LRU | | | | | | | | - | - | - | - |
| 6.3. B-2 MANUAL SUPPORT EQUIPMENT/LRU MAINTENANCE | | | | | | | | | | | |
| 6.3.1. Equipment | | | | | | | | | | | |
| 6.3.1.1. Cable Breakout Adapter | | | | | | | | | | | |
| 6.3.1.1.1. Theory of Operation | | | | | | | | - | - | - | - |
| 6.3.1.1.2. Operate | 5 | | | | | | | - | - | - | - |
| 6.3.1.1.3. Isolate/Repair Malfunctions | 5 | | | | | | | - | - | - | - |
| 6.3.1.2. EPROM Erasing System | | | | | | | | | | | |
| 6.3.1.2.1. Theory of Operation | | | | | | | | - | - | - | - |
| 6.3.1.2.2. Operate | 5 | | | | | | | - | - | - | - |
| 6.3.1.2.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 6.3.1.3. Relay Panel Tester TR: TO 33D7-10-280-1 | | | | | | | | | | | |
| 6.3.1.3.1. Theory of Operation | | | | | | | | - | - | - | - |
| 6.3.1.3.2. Perform Maintenance Testing | 5 | | | | | | | - | - | - | - |
| 6.3.1.3.3. Calibrate | 5 | | | | | | | - | - | - | - |
| 6.3.1.3.4. Isolate/Repair Malfunctions | 7 | | | | | | | - | - | - | - |
| 6.3.2. LRUs | | | | | | | | | | | |
| 6.3.2.1. Avionic Processor Control Panel TR: TO 12R5-4-226-2 | | | | | | | | | | | |
| 6.3.2.1.1. Theory of Operation | | | | | | | | - | - | - | - |
| 6.3.2.1.2. Perform Maintenance Testing | | | | | | | | - | - | - | - |
| 6.3.2.1.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |

B-2 TRAINING REQUIREMENTS

| 1. Tasks, Knowledge And Technical References | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Core/Cert^ | Deployment*/ SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 6.3.2.2. Angle-of-Attack Indexers TR: TO 5F24-3-2 | | | | | | | | | | | |
| 6.3.2.2.1. Theory of Operation | | | | | | | | - | - | - | - |
| 6.3.2.2.2. Perform Maintenance Testing | | | | | | | | - | - | - | - |
| 6.3.2.2.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 6.3.2.3. Alternate Trim Control Panel TR: TO 8C3-14-29-2 | | | | | | | | | | | |
| 6.3.2.3.1. Theory of Operation | | | | | | | | - | - | - | - |
| 6.3.2.3.2. Perform Maintenance Testing | | | | | | | | - | - | - | - |
| 6.3.2.3.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 6.3.2.4. Flight Control Maintenance Panel TR: TO 8C3-14-30-2 | | | | | | | | | | | |
| 6.3.2.4.1. Theory of Operation | | | | | | | | - | - | - | - |
| 6.3.2.4.2. Perform Maintenance Testing | | | | | | | | - | - | - | - |
| 6.3.2.4.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 6.3.2.5. Fuel Control Relay Panel TR: TO 8RA1-6-2 | | | | | | | | | | | |
| 6.3.2.5.1. Theory of Operation | | | | | | | | - | - | - | - |
| 6.3.2.5.2. Perform Maintenance Testing | 5 | | | | | | | - | - | - | - |
| 6.3.2.5.3. Isolate/Repair Malfunctions | 7 | | | | | | | - | - | - | - |
| 6.3.2.6. Power Control Relay Panel TR: TO 8RA1-5-2 | | | | | | | | | | | |
| 6.3.2.6.1. Theory of Operation | | | | | | | | - | - | - | - |
| 6.3.2.6.2. Perform Maintenance Testing | | | | | | | | - | - | - | - |
| 6.3.2.6.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 6.3.2.7. Ground Refuel Panel TR: TO 16W7-53-2 | | | | | | | | | | | |
| 6.3.2.7.1. Theory of Operation | | | | | | | | - | - | - | - |
| 6.3.2.7.2. Perform Maintenance Testing | | | | | | | | - | - | - | - |
| 6.3.2.7.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |

B-2 TRAINING REQUIREMENTS

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And Technical References** | Core/Cert^ | Deployment*/ SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 6.3.2.8. Control Stick Grip Assembly TR: TO 8RA1-5-2 | | | | | | | | | | | |
| 6.3.2.8.1. Theory of Operation | | | | | | | | - | - | - | - |
| 6.3.2.8.2. Perform Maintenance Testing | 5 | | | | | | | - | - | - | - |
| 6.3.2.8.3. Isolate/Repair Malfunctions | 5 | | | | | | | - | - | - | - |
| 6.3.2.9. Miniature Airborne GPS Receiver (MAGR) TR: TO 12R5-4-260-8-1 | | | | | | | | | | | |
| 6.3.2.9.1. Theory of Operation | | | | | | | | - | - | - | - |
| 6.3.2.9.2. Programming | 5 | | | | | | | - | - | - | - |

C-17 TRAINING REQUIREMENTS

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And Technical References** | Core/Cert\ | Deployment */SEI + / CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| **Note 1:** Proficiency codes in column 4A identify the task/knowledge requirement for resident training. When two codes are used (e.g., 2b/b), the second code indications the level of training provided in the course due to equipment shortages or other constraints; dash (e.g., 2b/-) indicates the item will not be trained until the constraint is eliminated. | | | | | | | | | | | |
| 7. ATTACHMENT 7, C-17 TRAINING REQUIREMENTS | | | | | | | | | | | |
| 7.1. MAINTENANCE DATA DOCUMENTATION (MDD) TR: TO 00-20-2 | | | | | | | | | | | |
| 7.1.1. G081 | | | | | | | | | | | |
| 7.1.1.1. Principles | | | | | | | | A | B | - | - |
| 7.1.1.2. Maintenance Transactions | | | | | | | | - | B | - | - |
| 7.1.1.3. Maintenance Inquiries | | | | | | | | - | - | - | - |
| 7.1.1.4. Supply Transactions | | | | | | | | - | B | - | - |
| 7.2. C-17 AVIONIC INTERMEDIATE SHOP | | | | | | | | | | | |
| 7.2.1. C-17 Automatic Test Equipment (CATE) Test Station TR: TO 33D7-24-34-1; 33D7-24-34-8-1 | | | | | | | | | | | |
| 7.2.1.1. Theory of Operation | | | | | | | | | | | |
| 7.2.1.1.1. Druck Pneumatic Pressure Stimulus Cart | | | | | | | | A | B | - | - |
| 7.2.1.1.2. Measurement Subsystem | | | | | | | | A | B | - | - |
| 7.2.1.1.3. Stimulus Subsystem | | | | | | | | A | B | - | - |
| 7.2.1.1.4. Power Subsystem | | | | | | | | | | | |
| 7.2.1.1.4.1. Test System Power | | | | | | | | A | B | - | - |
| 7.2.1.1.4.2. LRU System Power | | | | | | | | A | B | - | - |
| 7.2.1.1.5. Switching Subsystem | | | | | | | | A | B | - | - |
| 7.2.1.1.6. Interface Connection Assembly | | | | | | | | A | B | - | - |
| 7.2.1.1.7. Computer Subsystem And Peripherals | | | | | | | | A | B | - | - |
| 7.2.1.2. Software System | | | | | | | | | | | |
| 7.2.1.2.1. Execute Personal ATLAS Work Station (PAWS) | | | | | | | | - | - | - | - |
| 7.2.1.2.2. Execute National Instruments Measurement Test Studio | | | | | | | | - | - | - | - |
| 7.2.1.2.3. Perform Administrative Functions | | | | | | | | - | - | - | - |

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And Technical References** | Core/Cert^ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 7.2.1.3. CATE Operation TR: TOs 33D7-24-34-1; 33D7-24-34-8-1 | | | | | | | | | | | |
| 7.2.1.3.1. Perform Initial Power-Up | | | | | | | | - | - | - | - |
| 7.2.1.3.2. Perform Daily Turn-On/Shut-Down | 5 | | | | | | | - | - | - | - |
| 7.2.1.3.3. Perform Confidence Test | 5 | | | | | | | - | - | - | - |
| 7.2.1.3.4. Perform Functional Test | 5 | | | | | | | - | - | - | - |
| 7.2.1.3.5. Perform Tier 1 and Tier 2 CAL/VER Tests | 7R | | | | | | | - | - | - | - |
| 7.2.1.3.6. Perform Special Tests | 7R | | | | | | | - | - | - | - |
| 7.2.1.4. CATE Maintenance TR: TOs: 33D7-24-34-1; 33D7-24-34- 8-1 | | | | | | | | | | | |
| 7.2.1.4.1. Perform Periodic Maintenance | 5 | | | | | | | - | - | - | - |
| 7.2.1.4.2. Isolate Malfunctions Using PAWS | | | | | | | | - | - | - | - |
| 7.2.1.4.3. Isolate Malfunctions Using Test Studio | | | | | | | | - | - | - | - |
| 7.2.1.4.4. Test Station Repair | | | | | | | | - | - | - | - |
| 7.2.2. Head Up Multifunction Tester (HMT) | | | | | | | | | | | |
| 7.2.2.1. Theory of Operation | | | | | | | | | | | |
| 7.2.2.1.1. Measurement Subsystem | | | | | | | | - | - | - | - |
| 7.2.2.1.2. Stimulus Subsystem | | | | | | | | - | - | - | - |
| 7.2.2.1.3. Power Subsystem | | | | | | | | | | | |
| 7.2.2.1.3.1. Test System Power | | | | | | | | - | - | - | - |
| 7.2.2.1.3.2. LRU System Power | | | | | | | | - | - | - | - |
| 7.2.2.1.4. Switching Subsystem | | | | | | | | - | - | - | - |
| 7.2.2.1.5. Interface Connection Assembly | | | | | | | | - | - | - | - |
| 7.2.2.1.6. Computer Subsystem and Peripherals | | | | | | | | - | - | - | - |
| 7.2.2.1.7. Software System | | | | | | | | | | | |
| 7.2.2.1.7.1. Execute Personal ATLAS Work Station (PAWS) | | | | | | | | - | - | - | - |
| 7.2.2.1.7.2. Execute National Instruments Measurements Test Studio | | | | | | | | - | - | - | - |
| 7.2.2.1.7.3. Perform Administrative Functions | | | | | | | | - | - | - | - |

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And Technical References** | Core/Cert^ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 7.2.2.2. HMT Operation TR: TOs 33D7-24-38-1; 33D7-24-38-8-1 | | | | | | | | | | | |
| 7.2.2.2.1. Perform Initial Power-Up | | | | | | | | - | - | - | - |
| 7.2.2.2.2. Perform Daily Turn-On/Shut- Down | | | | | | | | - | - | - | - |
| 7.2.2.2.3. Perform Confidence Test | | | | | | | | - | - | - | - |
| 7.2.2.2.4. Perform Functional Test | | | | | | | | - | - | - | - |
| 7.2.2.2.5. Perform Tier 1 and Tier 2 CAL/VER Tests | | | | | | | | - | - | - | - |
| 7.2.2.2.6. Perform Special Tests | | | | | | | | - | - | - | - |
| 7.2.2.3. HMT Maintenance TR: TOs : 33D7-24-38-1; 33D7-24-38-8-1 | | | | | | | | | | | |
| 7.2.2.3.1. Perform Periodic Maintenance | | | | | | | | - | - | - | - |
| 7.2.2.3.2. Isolate Malfunctions Using PAWS | | | | | | | | - | - | - | - |
| 7.2.2.3.3. Isolate Malfunctions Using Test Studio | | | | | | | | - | - | - | - |
| 7.2.2.3.4. Test Station Repair | | | | | | | | - | - | - | - |
| 7.2.3. Display Unit Test Set TR: TO 33B4-11-17-1 | | | | | | | | | | | |
| 7.2.3.1. Theory of Operation | | | | | | | | - | A | - | - |
| 7.2.3.2. Display Unit Test Set Operation | | | | | | | | | | | |
| 7.2.3.2.1. Perform Initial/Daily Turn-On | | | | | | | | - | - | - | - |
| 7.2.3.3. Display Unit Test Set Maintenance | | | | | | | | | | | |
| 7.2.3.3.1. Perform Periodic Inspections | 5 | | | | | | | - | - | - | - |
| 7.2.3.3.2. Isolate Malfunctions | 7 | | | | | | | - | - | - | - |
| 7.2.3.3.3. Repair Test Set | | | | | | | | - | - | - | - |
| 7.2.3.3.4. Perform Alignment | 7 | | | | | | | - | - | - | - |
| 7.2.3.3.5. Calibrate Test Set | 7R | | | | | | | - | - | - | - |
| 7.2.4. Basic Interface Test Adapter | | | | | | | | | | | |
| 7.2.4.1. Perform Wrap Around Test | | | | | | | | - | - | - | - |
| 7.2.4.2. Isolate and Repair Malfunction | 7 | | | | | | | - | - | - | - |
| 7.2.4.3. Perform Periodic Inspections | | | | | | | | - | - | - | - |
| 7.2.5. Aerial Delivery Locks Control Panel TR: TOs 8D3-18-13-2, 8D3-18-13-8-1 | | | | | | | | | | | |

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And Technical References** | Core/Cert^ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 7.2.5.1. Theory of Operation | | | | | | | | - | - | - | - |
| 7.2.5.2. Perform Operational Check | | | | | | | | - | - | - | - |
| 7.2.5.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 7.2.6. Aerial Delivery System Controller TR: TOs 8D3-34-2-2, 8D3-34-2-8-1 | | | | | | | | | | | |
| 7.2.6.1. Theory of Operation | | | | | | | | - | - | - | - |
| 7.2.6.2. Perform Operational Check | | | | | | | | - | - | - | - |
| 7.2.6.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 7.2.7. Antiskid/Brake Temperature Monitor Control Unit TR: TOs 4B A8-42-2, 4B A8-42-8-1 | | | | | | | | | | | |
| 7.2.7.1. Theory of Operation | | | | | | | | - | - | - | - |
| 7.2.7.2. Perform Operational Check | | | | | | | | - | - | - | - |
| 7.2.7.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 7.2.8. Air Data Computer TR: TOs 5N5-13-24-2, 5N5-13-24-8-1 | | | | | | | | | | | |
| 7.2.8.1. Theory of Operation | | | | | | | | - | - | - | - |
| 7.2.8.2. Perform Operational Check | | | | | | | | - | - | - | - |
| 7.2.8.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 7.2.9. Actuator Flight Control Panel TR: TOs 5A44-12-2, 5A44-12-8-1 | | | | | | | | | | | |
| 7.2.9.1. Theory of Operation | | | | | | | | - | - | - | - |
| 7.2.9.2. Perform Operational Check | | | | | | | | - | - | - | - |
| 7.2.9.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 7.2.10. Automatic Pilot Control Indicator TR: TOs 5A13-5-24-2, 5A13-5-24-8-1 | | | | | | | | | | | |
| 7.2.10.1. Theory of Operation | | | | | | | | - | - | - | - |
| 7.2.10.2. Perform Operational Check | 5 | | | | | | | - | - | - | - |
| 7.2.10.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 7.2.11. Central Aural Warning Computer TR: TOs 8C15-11-4-2, 8C15-11-4-8-1 | | | | | | | | | | | |
| 7.2.11.1. Theory of Operation | | | | | | | | - | - | - | - |
| 7.2.11.2. Perform Operational Check | | | | | | | | - | - | - | - |
| 7.2.11.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 7.2.12. Cargo Delivery System Control Status Panel TR: TOs 8D3-18-12-2, 8D3-18-12-8-1 | | | | | | | | | | | |

C-17 TRAINING REQUIREMENTS

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And Technical References** | Core/Cert^ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| 7.2.12.1. Theory of Operation | | | | | | | | - | - | - | - |
| 7.2.12.2. Perform Operational Check | | | | | | | | - | - | - | - |
| 7.2.12.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 7.2.13. Communications Equipment Controller TR: TOs 12R2-4-255-2, 12R2-4-255-8-1 | | | | | | | | | | | |
| 7.2.13.1. Theory of Operation | | | | | | | | - | - | - | - |
| 7.2.13.2. Perform Operational Check | 5 | | | | | | | - | - | - | - |
| 7.2.13.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 7.2.14. Communication-Navigation Equipment Controller TR: TOs 12R2-4-255-2, 12R2-4-255-8-2 | | | | | | | | | | | |
| 7.2.14.1. Theory of Operation | | | | | | | | - | - | - | - |
| 7.2.14.2. Perform Operational Check | | | | | | | | - | - | - | - |
| 7.2.14.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 7.2.15. Core Integrated Processor TR: TOs 5N5-13-29-2, 5N5-13-29-8-1 | | | | | | | | | | | |
| 7.2.15.1. Theory of Operation | | | | | | | | - | - | - | - |
| 7.2.15.2. Perform Operational Check | 5 | | | | | | | - | - | - | - |
| 7.2.15.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 7.2.16. Data Entry Keyboard TR: TOs 5N5-13-23-2, 5N5-13-23-8-1 | | | | | | | | | | | |
| 7.2.16.1. Theory of Operation | | | | | | | | - | - | - | - |
| 7.2.16.2. Perform Operational Check | | | | | | | | - | - | - | - |
| 7.2.16.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 7.2.17. Mission Computer Display Unit TR: TOs 5N29-23-2, 5N29-13-23- 8-1 | | | | | | | | | | | |
| 7.2.17.1. Theory of Operation | | | | | | | | - | - | - | - |
| 7.2.17.2. Perform Operational Check | 5 | | | | | | | - | - | - | - |
| 7.2.17.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 7.2.18. Multifunction Display Unit TR: TOs 5N29-19-2, 5N29-19-8-1, 5N29-37-2 | | | | | | | | | | | |
| 7.2.18.1. Theory of Operation | | | | | | | | - | - | - | - |
| 7.2.18.2. Perform Operational Check | 5 | | | | | | | - | - | - | - |
| 7.2.18.3. Isolate/Repair Malfunctions | 5 | | | | | | | - | - | - | - |
| 7.2.19. Environmental Control System Controller TR: TOs 15A8-5-88-2, 15A8-5-88-8-1 | | | | | | | | | | | |
| 7.2.19.1. Theory of Operation | | | | | | | | - | - | - | - |
| 7.2.19.2. Perform Operational Check | | | | | | | | - | - | - | - |
| 7.2.19.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And Technical References** | Core/Cert\ | Deployment*/SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 7.2.20. Electronic Engine Control TR: TOs 8A3-5-56-2, 8A3-5-56-8-1 | | | | | | | | | | | |
| 7.2.20.1. Theory of Operation | | | | | | | | - | - | - | - |
| 7.2.20.2. Perform Operational Check | | | | | | | | - | - | - | - |
| 7.2.20.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 7.2.21. Environmental System-Fire Detection Control Panel TR: TOs 8D24-41-2, 8D24-41-8-1 | | | | | | | | | | | |
| 7.2.21.1. Theory of Operation | | | | | | | | - | - | - | - |
| 7.2.21.2. Perform Operational Check | | | | | | | | - | - | - | - |
| 7.2.21.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 7.2.22. Engine-Thrust Rating Panel Display TR: TOs 5E6-5-6-2, 5E6-5-6-8-1 | | | | | | | | | | | |
| 7.2.22.1. Theory of Operation | | | | | | | | - | - | - | - |
| 7.2.22.2. Perform Operational Check | | | | | | | | - | - | - | - |
| 7.2.22.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 7.2.23. Flight Control Computer TR: TOs 5A7-3-45-2, 5A7-3-45-8-1 | | | | | | | | | | | |
| 7.2.23.1. Theory of Operation | | | | | | | | - | - | - | - |
| 7.2.23.2. Perform Operational Check | | | | | | | | - | - | - | - |
| 7.2.23.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 7.2.24. Fluid Purity Controller TR: TOs 15X23-2-2, 15X23-2-8-1 | | | | | | | | | | | |
| 7.2.24.1. Theory of Operation | | | | | | | | - | - | - | - |
| 7.2.24.2. Perform Operational Check | | | | | | | | - | - | - | - |
| 7.2.24.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 7.2.25. Fuel Quantity Computer TR: TOs 6J3-4-122-2, 6J3-4-122-8-1 | | | | | | | | | | | |
| 7.2.25.1. Theory of Operation | | | | | | | | - | - | - | - |
| 7.2.25.2. Perform Operational Check | | | | | | | | - | - | - | - |
| 7.2.25.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 7.2.26. Fuel System-Engine Start Control Panel TR: TOs 8D24-40-2, 8D24-40-8-1 | | | | | | | | | | | |
| 7.2.26.1. Theory of Operation | | | | | | | | - | - | - | - |
| 7.2.26.2. Perform Operational Check | 5 | | | | | | | - | - | - | - |
| 7.2.26.3. Isolate/Repair Malfunctions | 7 | | | | | | | - | - | - | - |
| 7.2.27. Ground Refueling Control Panel TR: TOs 8D24-36-2, 8D24-36-8-1 | | | | | | | | | | | |
| 7.2.27.1. Theory of Operation | | | | | | | | - | - | - | - |
| 7.2.27.2. Perform Operational Check | | | | | | | | - | - | - | - |
| 7.2.27.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And Technical References** | Core/Cert^ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 7.2.28. Hydraulic System Control TR: TOs 8D27-4-2-1 | | | | | | | | | | | |
| 7.2.28.1. Theory of Operation | | | | | | | | - | - | - | - |
| 7.2.28.2. Perform Operational Check | | | | | | | | - | - | - | - |
| 7.2.28.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 7.2.29. Hydraulic System Control Panel TR: TOs 8D24-39-2, 8D24-39-8-1 | | | | | | | | | | | |
| 7.2.29.1. Theory of Operation | | | | | | | | - | - | - | - |
| 7.2.29.2. Perform Operational Check | | | | | | | | - | - | - | - |
| 7.2.29.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 7.2.30. Head-Up Display Unit TR: TOs 5N29-22-2, 5N29-22-8-1 | | | | | | | | | | | |
| 7.2.30.1. Theory of Operation | | | | | | | | - | - | - | - |
| 7.2.30.2. Perform Operational Check | 5 | | | | | | | - | - | - | - |
| 7.2.30.3. Isolate/Repair Malfunctions | 7 | | | | | | | - | - | - | - |
| 7.2.30.4. Perform CRT Adjustment | 5 | | | | | | | - | - | - | - |
| 7.2.31. Intercommunications Set Control TR: TOs 12R2-4-255-2, 12R2-4-255-8-3 | | | | | | | | | | | |
| 7.2.31.1. Theory of Operation | | | | | | | | - | - | - | - |
| 7.2.31.2. Perform Operational Check | 5 | | | | | | | - | - | - | - |
| 7.2.31.3. Isolate/Repair Malfunctions | 7 | | | | | | | - | - | - | - |
| 7.2.32. Liquid Quantity Indicator TR: TOs 8C21-48-2, 8C21-48-8-1 | | | | | | | | | | | |
| 7.2.32.1. Theory of Operation | | | | | | | | - | - | - | - |
| 7.2.32.2. Perform Operational Check | | | | | | | | - | - | - | - |
| 7.2.32.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 7.2.33. Multifunction Control Panel TR: TOs 5N6-9-10-2, 5N6-9-10-8-1 | | | | | | | | | | | |
| 7.2.33.1. Theory of Operation | | | | | | | | - | - | - | - |
| 7.2.33.2. Perform Operational Check | | | | | | | | - | - | - | - |
| 7.2.33.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 7.2.34. Manifold Failure Detection Controller TR: TOs 6J28-4-2, 6J28-4-8-1 | | | | | | | | | | | |
| 7.2.34.1. Theory of Operation | | | | | | | | - | - | - | - |
| 7.2.34.2. Perform Operational Check | | | | | | | | - | - | - | - |
| 7.2.34.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And Technical References** | Core/Cert^ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 7.2.35. Pre-cooler Differential Pressure Sensor TR: TO 9P5-3-120-8-1 | | | | | | | | | | | |
| 7.2.35.1. Theory of Operation | | | | | | | | - | - | - | - |
| 7.2.35.2. Perform Operational Check | | | | | | | | - | - | - | - |
| 7.2.35.3. Perform Alignment | | | | | | | | - | - | - | - |
| 7.2.36. Propulsion Data Management Computer TR: TOs 5F1-7-6-2, 5F1-7-6-8-1 | | | | | | | | | | | |
| 7.2.36.1. Theory of Operation | | | | | | | | - | - | - | - |
| 7.2.36.2. Perform Operational Check | | | | | | | | - | - | - | - |
| 7.2.36.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 7.2.37. Spoiler Control-Electronic Flap Computer TR: TOs 5A6-3-46-2, 5A6-3-46-8-1 | | | | | | | | | | | |
| 7.2.37.1. Theory of Operation | | | | | | | | - | - | - | - |
| 7.2.37.2. Perform Operational Check | | | | | | | | - | - | - | - |
| 7.2.37.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 7.2.38. Sensor Signals Interface TR: TOs 5F8-21-5-2, 5F8-21-5-8-1 | | | | | | | | | | | |
| 7.2.38.1. Theory of Operation | | | | | | | | - | - | - | - |
| 7.2.38.2. Perform Operational Check | | | | | | | | - | - | - | - |
| 7.2.38.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 7.2.39. Video Integrated Processor TR: TOs 12P5-95-8-1; 12P5-4-95-2; 33D7-42-9-5-1 | | | | | | | | | | | |
| 7.2.39.1. Theory of Operation | | | | | | | | - | - | - | - |
| 7.2.39.2. Perform Operational Check | 5 | | | | | | | - | - | - | - |
| 7.2.39.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 7.2.40. Warning and Caution Annunciator Panel TR: TOs 8D15-9-30-2, 8D15-9-30-8-1 | | | | | | | | | | | |
| 7.2.40.1. Theory of Operation | | | | | | | | - | - | - | - |
| 7.2.40.2. Perform Operational Check | | | | | | | | - | - | - | - |
| 7.2.40.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 7.2.41. Warning and Caution Computer TR: TOs 8D15-13-11-2, 8D15-13-11-8-1 | | | | | | | | | | | |
| 7.2.41.1. Theory of Operation | | | | | | | | - | - | - | - |
| 7.2.41.2. Perform Operational Check | | | | | | | | - | - | - | - |
| 7.2.41.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
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| **1. Tasks, Knowledge And Technical References** | Core/Cert\ | Deployment*/SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 7.3. GENERAL SUPPORT EQUIPMENT TR: TO 49A8-20-1, TO 35CA1-3-11-1 | | | | | | | | | | | |
| 7.3.1. Operate Theodolite | 5 | | | | | | | - | - | - | - |
| 7.3.2. Operate/Maintain Electrical Load Bank | | | | | | | | - | - | - | - |
| 7.3.3. HUD Purge Set | | | | | | | | - | - | - | - |
| 7.3.4. Desiccator Test Set | | | | | | | | - | - | - | - |
| 7.3.5. OFPLS TR: TO 33D7-42-9-5-1 | | | | | | | | | | | |
| 7.3.5.1. Theory of Operation | | | | | | | | A | - | - | - |
| 7.3.5.2. Perform OFP Loading/Verifying | 5 | | | | | | | - | - | - | - |
| 7.3.5.3. Perform TAWS Database Loading/Verifying | 5 | | | | | | | - | - | - | - |
| 7.3.5.4. Perform Administrative Functions | | | | | | | | - | - | - | - |
| 7.3.5.5. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 7.4. C-17 SPECIFIC MANUAL SYSTEMS | | | | | | | | | | | |
| 7.4.1. Intercommunications Systems | | | | | | | | | | | |
| 7.4.1.1 Interphone Control Panel (IRP) TR: TO 12R2-4-255-2 | | | | | | | | | | | |
| 7.4.1.1.1. Theory of Operation | | | | | | | | - | - | - | - |
| 7.4.1.1.2. Perform Operational Check | | | | | | | | - | - | - | - |
| 7.4.1.1.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 7.4.1.2. Interphone Station Unit TR: TOs 12R2-4-255-2, 12R2-4-255-8-1 | | | | | | | | | | | |
| 7.4.1.2.1. Perform Maintenance Testing | | | | | | | | - | - | - | - |
| 7.4.1.2.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 7.4.2. Pilots/Co-pilots Control Grip TR: TO 5F25-26-2 | | | | | | | | | | | |
| 7.4.2.1. Theory of Operation | | | | | | | | - | - | - | - |
| 7.4.2.2. Perform Operational Check | | | | | | | | - | - | - | - |
| 7.4.2.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 7.4.3. Public Address Control TR: TOs 12R2-4-255-2, 12R2-4-255-8-1 | | | | | | | | | | | |
| 7.4.3.1. Perform Maintenance Testing | | | | | | | | - | - | - | - |
| 7.4.3.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
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| **1. Tasks, Knowledge And Technical References** | Core/Cert^ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 7.4.4. Headsets | | | | | | | | | | | |
| 7.4.4.1. Perform Maintenance Testing | | | | | | | | - | - | - | - |
| 7.4.4.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |

AFSOC BACKSHOP TRAINING REQUIREMENTS

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
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| **1. Tasks, Knowledge And TechnicalReferences** | Core/Cert^ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| **Note 1:** Proficiency codes in column 4A identify the task/knowledge requirement for resident training. When two codes are used (e.g., 2b/b), the second code indications the level of training provided in the course due to equipment shortages or other constraints; dash (e.g., 2b/-) indicates the item will not be trained until the constraint is eliminated. | | | | | | | | | | | |
| 8. ATTACHMENT 8, AFSOC BACKSHOP TRAINING REQUIREMENTS | | | | | | | | | | | |
| 8.1. PORTABLE AUTOMATIC TEST EQUIPMENT CALIBRATOR (PATEC) | | | | | | | | | | | |
| 8.1.1. Operation | 7 | | | | | | | - | - | - | - |
| 8.2. DIRECT SUPPORT EQUIPMENT SOF (COMM/NAV) TR: 1-1A-15, 31-1-141-14, 00-20-7 | | | | | | | | | | | |
| 8.2.1. Care for and Handle Test Equipment | | | | | | | | - | - | - | - |
| 8.3. AN/APQ-170 TEST PROGRAM SET (TPS) TR: 33D7-44-350-1, 33D7-44-360-1, 33D7-44-361-1, 33E7-44-362-1 | | | | | | | | | | | |
| 8.3.1. Perform Operational Check | | | | | | | | | | | |
| 8.3.1.1. Receiver/Transmitter | | | | | | | | - | - | - | - |
| 8.3.1.2. Signal Processor Computer (SPC) | | | | | | | | - | - | - | - |
| 8.3.1.3. Signal Data Converter (SDC) | | | | | | | | - | - | - | - |
| 8.3.1.4. Power Supply | | | | | | | | - | - | - | - |
| 8.3.2. Troubleshoot | | | | | | | | | | | |
| 8.3.2.1. Receiver/Transmitter | | | | | | | | - | - | - | - |
| 8.3.2.2. Signal Processor Computer (SPC) | | | | | | | | - | - | - | - |
| 8.3.2.3. Signal Data Converter (SDC) | | | | | | | | - | - | - | - |
| 8.3.2.4. Power Supply | | | | | | | | - | - | - | - |
| 8.4. ELECTRICAL ELECTRONIC EQUIPMENT TEST STATION (EEETS) AN/APQ-170 TR: 33A1-1-5-531-11, 33A1-5-531-14 | | | | | | | | | | | |
| 8.4.1. Setup | 5 | | | | | | | - | - | - | - |
| 8.4.2. Self-test | 5 | | | | | | | - | - | - | - |
| 8.4.3. Inspect | | | | | | | | - | - | - | - |

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| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 8.4.4. Troubleshoot | | | | | | | | | | | |
| 8.4.4.1. Computer Control Memory Unit (CCMU) | | | | | | | | - | - | - | - |
| 8.4.4.2. Signal Generator Converter (SGC) | | | | | | | | - | - | - | - |
| 8.4.4.3. Converter Interface (CI) | | | | | | | | - | - | - | - |
| 8.4.4.4. Service Printer (2225HP) | | | | | | | | - | - | - | - |
| 8.4.5. Perform Utility Program Operations | 7 | | | | | | | - | - | - | - |
| 8.4.6. Perform Calibration Verification | 7 | | | | | | | - | - | - | - |
| 8.5. RADAR SYSTEMS | | | | | | | | | | | |
| 8.5.1. AN/APQ-170 Radar Using Aircraft Radar Test Station (ARATS) TR: 12P2-2APQ-170 Series | | | | | | | | | | | |
| 8.5.1.1. Perform Bench Check | | | | | | | | | | | |
| 8.5.1.1.1. X-band Antenna | 5 | | | | | | | - | - | - | - |
| 8.5.1.1.2. Ku-band Antenna | 5 | | | | | | | - | - | - | - |
| 8.5.1.1.3. X-RT | | | | | | | | - | - | - | - |
| 8.5.1.1.4. Ku-RT | | | | | | | | - | - | - | - |
| 8.5.1.1.5. Signal Processor Computer (SPC) | | | | | | | | - | - | - | - |
| 8.5.1.1.6. Signal Data Converter (SDC) | | | | | | | | - | - | - | - |
| 8.5.1.1.7. Power Supply (SPS) | | | | | | | | - | - | - | - |
| 8.5.1.2. Align | | | | | | | | | | | |
| 8.5.1.2.1. X-band Antenna | | | | | | | | - | - | - | - |
| 8.5.1.2.2. Ku-band Antenna | | | | | | | | - | - | - | - |
| 8.5.1.2.3. X-RT | | | | | | | | - | - | - | - |
| 8.5.1.2.4. Ku-RT | | | | | | | | - | - | - | - |
| 8.5.1.2.5. Power Supply (SPS) | | | | | | | | - | - | - | - |
| 8.5.1.3. Repair/Troubleshoot | | | | | | | | | | | |
| 8.5.1.3.1. X-band Antenna | | | | | | | | - | - | - | - |
| 8.5.1.3.2. Ku-band Antenna | | | | | | | | - | - | - | - |
| 8.5.1.3.3. X-RT | | | | | | | | - | - | - | - |
| 8.5.1.3.4. Ku-RT | | | | | | | | - | - | - | - |
| 8.5.1.3.5. Signal Processor Computer (SPC) | | | | | | | | - | - | - | - |
| 8.5.1.3.6. Signal Data Converter (SDC) | | | | | | | | - | - | - | - |
| 8.5.1.3.7. Power Supply (SPS) | | | | | | | | - | - | - | - |
| 8.5.1.4. Repair and Phase Match X- and Ku-band Waveguides Using HP8510 | | | | | | | | | | | |
| 8.5.1.4.1. Perform Manual Operation Test | 5 | | | | | | | - | - | - | - |
| 8.5.1.4.2. Perform Free Space Radiation Test | 5 | | | | | | | - | - | - | - |

AFSOC BACKSHOP TRAINING REQUIREMENTS

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| **1. Tasks, Knowledge And TechnicalReferences** | Core/Cert^ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 8.5.1.5. Remove and Install | | | | | | | | | | | |
| 8.5.1.5.1. Shop Replaceable Units (SRU) | 5 | | | | | | | - | - | - | - |
| 8.5.1.5.2. Components | | | | | | | | - | - | - | - |
| 8.5.1.6. Operate Peculiar Test Equipment | | | | | | | | - | - | - | - |
| 8.5.1.7. Inspect Peculiar Test Equipment | | | | | | | | - | - | - | - |
| 8.5.1.8. Calibrate Peculiar Test Equipment | | | | | | | | - | - | - | - |
| 8.5.2. AN/APQ-170 Radar Using Test Program Sets TR: 12P2-2APQ-170 Series | | | | | | | | | | | |
| 8.5.2.1. Inspect | | | | | | | | - | - | - | - |
| 8.5.2.2. Operate | | | | | | | | - | - | - | - |
| 8.5.2.3. Calibrate | | | | | | | | - | - | - | - |
| 8.5.2.4. Remove/Install Shop Replaceable Units (SRU) or Components | | | | | | | | - | - | - | - |
| 8.5.2.5. Perform Bench Checks | | | | | | | | | | | |
| 8.5.2.5.1. X-RT | 5 | | | | | | | - | - | - | - |
| 8.5.2.5.2. Ku-RT | 5 | | | | | | | - | - | - | - |
| 8.5.2.5.3. Signal Processor Computer (SPC) | | | | | | | | - | - | - | - |
| 8.5.2.5.4. Signal Data Converter (SDC) | | | | | | | | - | - | - | - |
| 8.5.2.5.5. Power Supply | | | | | | | | - | - | - | - |
| 8.5.2.6. Troubleshoot | | | | | | | | | | | |
| 8.5.2.6.1. X-RT | | | | | | | | - | - | - | - |
| 8.5.2.6.2. Ku-RT | | | | | | | | - | - | - | - |
| 8.5.2.6.3. Signal Processor Computer (SPC) | | | | | | | | - | - | - | - |
| 8.5.2.6.4. Power Supply | | | | | | | | - | - | - | - |
| 8.6. COMMUNICATION/ NAVIGATION SYSTEMS | | | | | | | | | | | |
| 8.6.1. AN/ARN-151 GPS System TR: 12R5-2ARN-151-2 | | | | | | | | | | | |
| 8.6.1.1. Perform Bench Checks | | | | | | | | - | - | - | - |
| 8.6.1.2. Remove and Install | | | | | | | | | | | |
| 8.6.1.2.1. Shop Replaceable Units (SRU) | | | | | | | | - | - | - | - |
| 8.6.1.3. Operate Peculiar Test Equipment | | | | | | | | - | - | - | - |
| 8.6.1.4. Inspect Peculiar Test Equipment | | | | | | | | - | - | - | - |
| 8.6.1.5. Calibrate Peculiar Test Equipment | | | | | | | | - | - | - | - |

AFSOC BACKSHOP TRAINING REQUIREMENTS

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And TechnicalReferences** | Core/Cert^ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 8.7. OFF-EQUIPMENT MAINTENANCE AFSOC (ELECTRONIC WARNING) TR: 00-25-234, 1-1A-15 | | | | | | | | | | | |
| 8.7.1. Reprogramming Support Equipment TR: Applicable System and Equipment Technical Orders/Directives | | | | | | | | | | | |
| 8.7.1.1. Access and Download Software/Files from the DDS | | | | | | | | - | - | - | - |
| 8.7.1.2. Configure Software | | | | | | | | - | - | - | - |
| 8.7.2. AN/AAR-44A Infrared Warning Receiver TR: TO 33D7-13-102-11 | | | | | | | | | | | |
| 8.7.2.1. Operate Unit Test Set | | | | | | | | - | - | - | - |
| 8.7.3. Control Display Unit TR: TO 12P6-2AAR44-12 | | | | | | | | | | | |
| 8.7.3.1. Perform Operational Check | | | | | | | | - | - | - | - |
| 8.7.3.2. Repair | | | | | | | | - | - | - | - |
| 8.7.4. Signal Processor Unit TR: TO 12P6-2AAR44-12 | | | | | | | | | | | |
| 8.7.4.1. Perform Operational Check | | | | | | | | - | - | - | - |
| 8.7.4.2. Repair | | | | | | | | - | - | - | - |
| 8.7.5. Sensor Unit TR: TO 12P6-2AAR44-12 | | | | | | | | | | | |
| 8.7.5.1. Perform Operational Check | | | | | | | | - | - | - | - |
| 8.7.5.2. Repair | | | | | | | | - | - | - | - |
| 8.7.6. Charge Unit TR: TO 33D2-28-19-1, Para 4-3, 5-3 | | | | | | | | | | | |
| 8.7.6.1. Perform Operational Check | | | | | | | | - | - | - | - |
| 8.7.6.2. Repair | | | | | | | | - | - | - | - |

AFSOC BACKSHOP TRAINING REQUIREMENTS

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| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 8.7.7. AN/APR-46 Panoramic Receiver TR: TO 12P3-2APR46-2, 12P3-2APR46-2-1, para 3.6, 12P3-2APR46-2, Para 11.4, 12P3-2APR46-2, Para 12.4, 12P3-2APR46-2-1, Para 7.4, 12P3-2APR46-2, Para 7.4, 7.5, 12P3-2APR46-2, Para 9.4, 9.5, TO 12P3-2APR46-2, Para 7.4, 7.5, 12P3-2APR46-2, Para 10.4,10.5, 12P3-2APR46-2-1, Para 6.4, 6.5, 12P3-2APR46-2-1, Para 7.4, 12P3-2APR46-2-1, Para 9.4, 12P3-2APR46-2, Para 6.3, 33D7-13-224-1, Ch 5, TO 12P3-2APR46-2, Para 3.4.2, 3.4.3, and 12P3-2APR46-2-1, Para 3.6 | | | | | | | | | | | |
| 8.7.7.1. Perform LRU Pre- Installation Check | | | | | | | | - | - | - | - |
| 8.7.7.2. Perform Unit Level Test of C-115A | | | | | | | | - | - | - | - |
| 8.7.7.3. Perform Unit Level Test of C-125A | | | | | | | | - | - | - | - |
| 8.7.7.4. Perform Unit Level Test of C-135 | | | | | | | | - | - | - | - |
| 8.7.7.5. Perform Unit Level Test/Alignment of TN-118A | | | | | | | | - | - | - | - |
| 8.7.7.6. Perform Unit Level Test/Alignment of TN-130 | | | | | | | | - | - | - | - |
| 8.7.7.7. Perform Unit Level Test/Alignment of ES-3 | | | | | | | | - | - | - | - |
| 8.7.7.8. Perform Unit Level Test/Alignment of MD-127A | | | | | | | | - | - | - | - |
| 8.7.7.9. Perform Unit Level Test/Alignment of MD-127B | | | | | | | | - | - | - | - |
| 8.7.7.10. Perform Unit Level Test of CP-100 | | | | | | | | - | - | - | - |
| 8.7.7.11. Perform Unit Level Test of MD-100 | | | | | | | | - | - | - | - |
| 8.7.7.12. Perform Unit Level Test of Omni Antenna | | | | | | | | - | - | - | - |
| 8.7.7.13. Perform MPT of APM-474 Test Set | | | | | | | | - | - | - | - |
| 8.7.7.14. Perform Functional Check of Hot Mockup | 5 | | | | | | | - | - | - | - |

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| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 8.7.8. AN/ALQ-172 I-Level MX | | | | | | | | | | | |
| 8.7.8.1. Remove/Install SRU TR: TO 12P3-2ALQ172-XXX | | | | | | | | | | | |
| 8.7.8.1.1. LRU-1 | | | | | | | | - | - | - | - |
| 8.7.8.1.2. LRU-2 | | | | | | | | - | - | - | - |
| 8.7.8.1.3. LRU-3 | | | | | | | | - | - | - | - |
| 8.7.8.1.4. LRU-4 | | | | | | | | - | - | - | - |
| 8.7.8.1.5. LRU-5 | | | | | | | | - | - | - | - |
| 8.7.8.1.6. LRU-6 | | | | | | | | - | - | - | - |
| 8.7.8.1.7. LRU-10 | | | | | | | | - | - | - | - |
| 8.7.8.2. Enhanced Maintenance Test Station (EMTS) ALQ-172 Maintenance TR: 12P3-2ALQ-172-218-1 or -227-1 and CPINS | | | | | | | | | | | |
| 8.7.8.2.1. Power Up/Power Down | 5 | | | | | | | - | - | - | - |
| 8.7.8.2.2. Configure EMTS Software for Station and LRU Testing | | | | | | | | - | - | - | - |
| 8.7.8.2.3. Operate EMTS Execution Menu Functions | | | | | | | | - | - | - | - |
| 8.7.8.2.4. Run RF Cable Calibration Test Program | 7 | | | | | | | - | - | - | - |
| 8.7.8.2.5. Test EMTS Instruments and Switches (Rack Self-test) | | | | | | | | - | - | - | - |
| 8.7.8.2.6. Load ALQ-172 Database Into LRUs | | | | | | | | - | - | - | - |
| 8.7.8.3. Run Full/Abbreviated Go-Chain | | | | | | | | | | | |
| 8.7.8.3.1. V1 System level | 7 | | | | | | | - | - | - | - |
| 8.7.8.3.2. LRU-1 | | | | | | | | - | - | - | - |
| 8.7.8.3.3. LRU-2 | | | | | | | | - | - | - | - |
| 8.7.8.3.4. LRU-3 | | | | | | | | - | - | - | - |
| 8.7.8.3.5. LRU-4 | | | | | | | | - | - | - | - |
| 8.7.8.3.6. LRU-5 | | | | | | | | - | - | - | - |
| 8.7.8.3.7. LRU-6 | | | | | | | | - | - | - | - |
| 8.7.8.3.8. LRU-10 | | | | | | | | - | - | - | - |
| 8.7.8.4. EMTS-Unique Maintenance | | | | | | | | | | | |
| 8.7.8.4.1. Perform Preventive Maintenance | | | | | | | | - | - | - | - |
| 8.7.8.4.2. Verify/Calibration of Test Equipment | | | | | | | | - | - | - | - |
| 8.7.8.4.3. Remove/Replace Defective Assemblies | | | | | | | | - | - | - | - |
| 8.7.8.4.4. Reconfigure/Load System Computer Software | | | | | | | | - | - | - | - |
| 8.7.8.4.5. Troubleshoot Test Set Faults | | | | | | | | - | - | - | - |

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| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 8.8. CV-22 TRAINING REQUIREMENTS | | | | | | | | | | | |
| 8.8.1. CV-22 Reconfigurable Transportable Consolidated Automated Support System (RTCASS) TR: 33D7-38-324-1, 33D7-38-324-2, NAVAIR 16-600-102-6-2 | | | | | | | | | | | |
| 8.8.1.1. RTCASS Peculiar Software System | | | | | | | | | | | |
| 8.8.1.2. Application Software | | | | | | | | | | | |
| 8.8.1.2.1. Computer Diagnostics | 5 | | | | | | | - | - | - | - |
| 8.8.1.2.2. Instrument Self-test (IST) | 5 | | | | | | | - | - | - | - |
| 8.8.1.2.3. Self-Maintenance Automatic Test (SMAT) | 5 | | | | | | | - | - | - | - |
| 8.8.1.2.4. Self-test Wraparound | 5 | | | | | | | - | - | - | - |
| 8.8.1.2.5. Calibration | 7 | | | | | | | - | - | - | - |
| 8.8.1.2.6. LRU Programs | 5 | | | | | | | - | - | - | - |
| 8.8.1.3. Isolate Malfunctions | | | | | | | | | | | |
| 8.8.1.3.1. Test Operating Interface (TOI) Graphic User Interface (GUI) | | | | | | | | | | | |
| 8.8.1.3.1.1. Instrument Self-test (IST) Tab | | | | | | | | | | | |
| 8.8.1.3.1.1.1. Self-test | 5 | | | | | | | - | - | - | - |
| 8.8.1.3.1.1.2. Alignment | 5 | | | | | | | - | - | - | - |
| 8.8.1.3.1.2. Health Monitor (GUI) | | | | | | | | | | | |
| 8.8.1.3.1.2.1. Temperature Screen | | | | | | | | - | - | - | - |
| 8.8.1.3.1.2.2. Voltage Screen | | | | | | | | - | - | - | - |
| 8.8.1.3.1.3. VXI Fans Screen | | | | | | | | - | - | - | - |
| 8.8.1.3.1.4. Maintenance Screen | | | | | | | | - | - | - | - |
| 8.8.1.3.1.5. Interrupts Screen | | | | | | | | - | - | - | - |
| 8.8.1.3.1.6. Device status Screen | | | | | | | | - | - | - | - |
| 8.8.1.3.1.7. Station Tab | | | | | | | | | | | |
| 8.8.1.3.1.7.1. Runtime Totalizer (RTT) | 7 | | | | | | | - | - | - | - |
| 8.8.1.3.1.7.2. Assets Screen | 5 | | | | | | | - | - | - | - |
| 8.8.1.3.1.7.3. Debug Screen | | | | | | | | - | - | - | - |
| 8.8.1.4. RTCASS Functional Test | | | | | | | | | | | |
| 8.8.1.4.1. Perform Online Analysis | | | | | | | | | | | |
| 8.8.1.4.1.1. Instrument Self-test (IST) | 5 | | | | | | | - | - | - | - |

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| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 8.8.1.4.1.2. Self-Maintenance Automatic Test (SMAT) | 5 | | | | | | | - | - | - | - |
| 8.8.1.4.1.3. Self-test Wraparound | 5 | | | | | | | - | - | - | - |
| 8.8.1.4.1.4. Calibration Using PATEC | 7 | | | | | | | - | - | - | - |
| 8.8.1.4.1.5. Computer Diagnostics | | | | | | | | - | - | - | - |
| 8.8.1.5. RTCASS Isolate/Repair Malfunctions TR: Applicable maintenance manuals | | | | | | | | | | | |
| 8.8.1.5.1. Self-test ITA/ID | | | | | | | | - | - | - | - |
| 8.8.1.5.2. SMAT ID | | | | | | | | - | - | - | - |
| 8.8.1.5.3. SMAT/CAL ID | | | | | | | | - | - | - | - |
| 8.8.1.5.4. LRU ITAs/IDs | | | | | | | | - | - | - | - |
| 8.8.1.5.5. Test Replaceable Units | | | | | | | | | | | |
| 8.8.1.5.5.1. Operator Interface Module (1B1) | | | | | | | | - | - | - | - |
| 8.8.1.5.5.2. Fan Assembly (1B2) | | | | | | | | - | - | - | - |
| 8.8.1.5.5.3. Power Distribution Unit (1B3) | | | | | | | | - | - | - | - |
| 8.8.1.5.5.4. Electromagnetic Interface (EMI) (1B4) | | | | | | | | - | - | - | - |
| 8.8.1.5.5.5. RF Measurement Interface Unit (RFIU) (2B3) | | | | | | | | - | - | - | - |
| 8.8.1.5.5.6. Ancillary Panel Assembly (AIP) (2B4) | | | | | | | | - | - | - | - |
| 8.8.1.5.5.7. General Purpose Interface (1A2) | | | | | | | | - | - | - | - |
| 8.8.1.5.5.8. RF Synthesizer (2A3A1, 2A3A2, and 2A5A1) | | | | | | | | - | - | - | - |
| 8.8.1.5.5.9. Communication Panel (2A3A3) | | | | | | | | - | - | - | - |
| 8.8.1.5.5.10. 135 VAC Power Supply (2A5PS1 thru 2A5PS3) | | | | | | | | - | - | - | - |
| 8.8.1.5.5.11. Low Frequency Calibrator (2A6A1) | | | | | | | | - | - | - | - |
| 8.8.1.5.5.12. General Purpose Interface (1A2) | | | | | | | | - | - | - | - |
| 8.8.1.5.5.13. Printer | | | | | | | | - | - | - | - |
| 8.8.1.5.6. Digital Test Unit (1A1) | | | | | | | | | | | |
| 8.8.1.5.6.1. VXI-Multisystem Extension Interface (MXI) Controller Module (1A1A0) | | | | | | | | - | - | - | - |

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| 8.8.1.5.6.2. M927 Series Channel Card (1A1A3 Thru 1A1A9) | | | | | | | | - | - | - | - |
| 8.8.1.5.6.3. M918 Digital (CRB) Central Resource Board (1A1A10) | | | | | | | | - | - | - | - |
| 8.8.1.5.6.4. Front Mount Power Supply (1A1PS1 and 1A1PS2) | | | | | | | | - | - | - | - |
| 8.8.1.5.7. Analog Test Instruments (1A3) | | | | | | | | | | | |
| 8.8.1.5.7.1. VXI-Multisystem Extension Interface (MXI) Controller Module (1A3A0) | | | | | | | | - | - | - | - |
| 8.8.1.5.7.2. Ai 710 32-Channel (1A3A1, A2, A3) | | | | | | | | - | - | - | - |
| 8.8.1.5.7.3. SMP 1100 Carrier Power Switch (1A3A4) | | | | | | | | - | - | - | - |
| 8.8.1.5.7.4. SMP 1200 Carrier RF and Power Switch (1A3A5) | | | | | | | | - | - | - | - |
| 8.8.1.5.7.5. SMP 7600 5 Watt Resistive Load (LWPL) (1A3A5M5) | | | | | | | | - | - | - | - |
| 8.8.1.5.7.6. SMP 2011 12 Power Switch (SPDT Switches) (1A3A5M4 andM3) | | | | | | | | - | - | - | - |
| 8.8.1.5.7.7. SMP 1200 Carrier LF and RF Switch (1A3A7) | | | | | | | | - | - | - | - |
| 8.8.1.5.7.8. SMP 6101 (1 x 4 Coaxial Trees) (1A3A7M2 and M5) | | | | | | | | - | - | - | - |
| 8.8.1.5.7.9. SMP 5002 50 Ch LF Switch (SPDT Switches) (1A3A7M1 andM0) | | | | | | | | - | - | - | - |
| 8.8.1.5.7.10. SMP 5003 26 Ch LF Switch (SP4T Switches) (1A3A7M4 andM3) | | | | | | | | - | - | - | - |
| 8.8.1.5.7.11. Digitizer/Digital O-scope (1A3A9) | | | | | | | | - | - | - | - |
| 8.8.1.5.8. DC Power Supply (1A4 and 1A5) | | | | | | | | | | | |
| 8.8.1.5.8.1. 32 VDC Power Supply (1A4PS1 thru 1A4PS5 and 1A5PS1 thru1A5PS3) | | | | | | | | - | - | - | - |
| 8.8.1.5.8.2. 100 VDC Power Supply (1A5PS4) | | | | | | | | - | - | - | - |
| 8.8.1.5.8.3. Active load (1A4A1) | | | | | | | | - | - | - | - |
| 8.8.1.5.8.4. 450 VDC Power Supply (1A5PS5 and 1A5PS6) | | | | | | | | - | - | - | - |

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| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 8.8.1.5.9. LF Instrument Unit (2A1) | | | | | | | | | | | |
| 8.8.1.5.9.1. VXI-Multisystem Extension Interface (MXI) Controller Module (2A1A0) | | | | | | | | - | - | - | - |
| 8.8.1.5.9.2. Digital Multimeter (2A1A1) | | | | | | | | - | - | - | - |
| 8.8.1.5.9.3. Frequency Timer Interval Counter (2A1A2) | | | | | | | | - | - | - | - |
| 8.8.1.5.9.4. Synchro/Resolver (2A1A3) | | | | | | | | - | - | - | - |
| 8.8.1.5.9.5. Racal 3156B Arbitrary Waveform Generator (AWFG) (2A1A4) | | | | | | | | - | - | - | - |
| 8.8.1.5.9.6. Bi-410 Bus Test Instrument (BTI) (2A1A5) | | | | | | | | - | - | - | - |
| 8.8.1.5.9.7. Pulse Generator (PGEN) (2A1A10) | | | | | | | | - | - | - | - |
| 8.8.1.5.9.8. Timing Generator (TGEN) (2A1A11) | | | | | | | | - | - | - | - |
| 8.8.1.5.9.9. Rubidium Reference Module (2A1A12) | | | | | | | | - | - | - | - |
| 8.8.1.5.10. PS/2 Computer (2A2A1) | | | | | | | | | | | |
| 8.8.1.5.10.1. Environmental Monitor CCA (2A2A1A1) | | | | | | | | - | - | - | - |
| 8.8.1.5.10.2. Central Processor Unit CCA (2A2A1A3) | | | | | | | | - | - | - | - |
| 8.8.1.5.10.3. IEEE-488 CCA (2A2A1A5 thru 2A2A1A7) | | | | | | | | - | - | - | - |
| 8.8.1.5.10.4. Video Pattern Generator (VPG) CCA (2A2A1A9) | | | | | | | | - | - | - | - |
| 8.8.1.5.10.5. Ethernet (RJ-45) Communication Bus (2A2A1A11 and2A2A1A12) | | | | | | | | - | - | - | - |
| 8.8.1.5.10.6. Relay Driver CCA (2A2A1A13) | | | | | | | | - | - | - | - |
| 8.8.1.5.11. RF Measurement Unit (2A4) | | | | | | | | | | | |
| 8.8.1.5.11.1. Spectrum Analyzer (2A4A1) | | | | | | | | - | - | - | - |
| 8.8.1.5.11.2. RF Power Meter (2A4A2) | | | | | | | | - | - | - | - |
| 8.8.1.5.12. AC Power Supply | | | | | | | | | | | |
| 8.8.1.5.12.1. 135 VAC Power Supply (2A5PS1 thru 2A5PS3) | | | | | | | | - | - | - | - |

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And Technical References** | Core/Cert^ | Deployment */SEI + / CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 8.8.1.6. LRU Maintenance | | | | | | | | | | | |
| 8.8.1.6.1. Flight Control Computer (FCC) | | | | | | | | | | | |
| 8.8.1.6.1.1. Operational Check | 5 | | | | | | | - | - | - | - |
| 8.8.1.6.1.2. Isolate/Repair Malfunctions | 5 | | | | | | | - | - | - | - |
| 8.8.1.6.2. Standby Flight Display (SFD) | | | | | | | | | | | |
| 8.8.1.6.2.1. Operational Check | | | | | | | | - | - | - | - |
| 8.8.1.6.2.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 8.8.1.6.3. Control Display Unit (CDU) | | | | | | | | | | | |
| 8.8.1.6.3.1. Operational Check | 5 | | | | | | | - | - | - | - |
| 8.8.1.6.3.2. Isolate/Repair Malfunctions | 5 | | | | | | | - | - | - | - |
| 8.8.1.6.4. Flight Director Mode Select (FDP) | | | | | | | | | | | |
| 8.8.1.6.4.1. Operational Check | 5 | | | | | | | - | - | - | - |
| 8.8.1.6.4.2. Isolate/Repair Malfunctions | 5 | | | | | | | - | - | - | - |
| 8.8.1.6.5. CDU Keyboard Unit (KU) | | | | | | | | | | | |
| 8.8.1.6.5.1. Operational Check | | | | | | | | - | - | - | - |
| 8.8.1.6.5.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 8.8.1.6.6. Landing Gear Control Unit (LGCU) | | | | | | | | | | | |
| 8.8.1.6.6.1. Operational Check | 5 | | | | | | | - | - | - | - |
| 8.8.1.6.6.2. Isolate/Repair Malfunctions | 5 | | | | | | | - | - | - | - |
| 8.8.1.6.7. Regulated Converter (RC) | | | | | | | | | | | |
| 8.8.1.6.7.1. Operational Check | | | | | | | | - | - | - | - |
| 8.8.1.6.7.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 8.8.1.6.8. Advanced Mission Computer (AMC) | | | | | | | | | | | |
| 8.8.1.6.8.1. Operational Check | | | | | | | | - | - | - | - |
| 8.8.1.6.8.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 8.8.1.6.9. Air Data Unit (ADU) | | | | | | | | | | | |
| 8.8.1.6.9.1. Operational Check | | | | | | | | - | - | - | - |
| 8.8.1.6.9.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 8.8.1.6.10. Environmental Control System (ECSC) | | | | | | | | | | | |
| 8.8.1.6.10.1. Operational Check | 5 | | | | | | | - | - | - | - |
| 8.8.1.6.10.2. Isolate/Repair Malfunctions | 5 | | | | | | | - | - | - | - |
| 8.8.1.6.11. Light Weight Inertial Navigation System (LWINS) | | | | | | | | | | | |
| 8.8.1.6.11.1. Operational Check | 5 | | | | | | | - | - | - | - |
| 8.8.1.6.11.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And TechnicalReferences** | Core/Cert^ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 8.8.1.6.12. Cockpit Interface Unit (CIU) | | | | | | | | | | | |
| 8.8.1.6.12.1. Operational Check | | | | | | | | - | - | - | - |
| 8.8.1.6.12.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 8.8.1.6.13. Avionic Bay Interface Unit (ABIU) | | | | | | | | | | | |
| 8.8.1.6.13.1. Operational Check | | | | | | | | - | - | - | - |
| 8.8.1.6.13.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 8.8.1.6.14. Wing Interface Unit (WIU) | | | | | | | | | | | |
| 8.8.1.6.14.1. Operational Check | 5 | | | | | | | - | - | - | - |
| 8.8.1.6.14.2. Isolate/Repair Malfunctions | 5 | | | | | | | - | - | - | - |
| 8.8.1.6.15. Fuel Management Unit (FMU) | | | | | | | | | | | |
| 8.8.1.6.15.1. Operational Check | 5 | | | | | | | - | - | - | - |
| 8.8.1.6.15.2. Isolate/Repair Malfunctions | 5 | | | | | | | - | - | - | - |
| 8.8.1.6.16. Drive System Interface Unit (DSIU) | | | | | | | | | | | |
| 8.8.1.6.16.1. Operational Check | 5 | | | | | | | - | - | - | - |
| 8.8.1.6.16.2. Isolate/Repair Malfunctions | 5 | | | | | | | - | - | - | - |
| 8.8.1.6.17. Vibration/Structural Life and Engine Diagnostics (VSLED) | | | | | | | | | | | |
| 8.8.1.6.17.1. Operational Check | | | | | | | | - | - | - | - |
| 8.8.1.6.17.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 8.8.1.6.18. Wing Fire Protection Controller (WFPC) | | | | | | | | | | | |
| 8.8.1.6.18.1. Operational Check | | | | | | | | - | - | - | - |
| 8.8.1.6.18.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 8.8.1.6.19. Blade Fold Control Unit (BFCU) | | | | | | | | | | | |
| 8.8.1.6.19.1. Operational Check | | | | | | | | - | - | - | - |
| 8.8.1.6.19.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 8.8.1.6.20. Communication Switching Unit (CSU) | | | | | | | | | | | |
| 8.8.1.6.20.1. Operational Check | | | | | | | | - | - | - | - |
| 8.8.1.6.20.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And TechnicalReferences** | Core/Cert\ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 8.8.1.6.21. Intercommunications Set Control (ISC) | | | | | | | | | | | |
| 8.8.1.6.21.1. Operational Check | 5 | | | | | | | - | - | - | - |
| 8.8.1.6.21.2. Isolate/Repair Malfunctions | 5 | | | | | | | - | - | - | - |
| 8.8.1.6.22. Remote Frequency Indicator Select (RFIS) | | | | | | | | | | | |
| 8.8.1.6.22.1. Operational Check | | | | | | | | - | - | - | - |
| 8.8.1.6.22.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 8.8.1.6.23. Primary Lighting Control Unit (PLCU) | | | | | | | | | | | |
| 8.8.1.6.23.1. Operational Check | 5 | | | | | | | - | - | - | - |
| 8.8.1.6.23.2. Isolate/Repair Malfunctions | 5 | | | | | | | - | - | - | - |
| 8.8.1.6.24. Secondary Lighting Control Unit (SLCU) | | | | | | | | | | | |
| 8.8.1.6.24.1. Operational Check | 5 | | | | | | | - | - | - | - |
| 8.8.1.6.24.2. Isolate/Repair Malfunctions | 5 | | | | | | | - | - | - | - |
| 8.8.1.6.25. Forward Cabin Control Station (FCCS) | | | | | | | | | | | |
| 8.8.1.6.25.1. Operational Check | | | | | | | | - | - | - | - |
| 8.8.1.6.25.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 8.8.1.6.26. Active Vibration Suppression System (AVSS) | | | | | | | | | | | |
| 8.8.1.6.26.1. Operational Check | | | | | | | | - | - | - | - |
| 8.8.1.6.26.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 8.8.1.6.27. Master Ice Protection Control Unit (MIPCU) | | | | | | | | | | | |
| 8.8.1.6.27.1. Operational Check | 5 | | | | | | | - | - | - | - |
| 8.8.1.6.27.2. Isolate/Repair Malfunctions | 5 | | | | | | | - | - | - | - |
| 8.8.1.6.28. Ground Refuel/De-fuel Panel (GRDP) | | | | | | | | | | | |
| 8.8.1.6.28.1. Operational Check | | | | | | | | - | - | - | - |
| 8.8.1.6.28.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And TechnicalReferences** | Core/Cert^ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 8.8.1.6.29. Dual Digital Map System (DDM) | | | | | | | | | | | |
| 8.8.1.6.29.1. Operational Check | | | | | | | | - | - | - | - |
| 8.8.1.6.29.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 8.8.1.6.30. Multifunction Display (MFD) | | | | | | | | | | | |
| 8.8.1.6.30.1. Operational Check | | | | | | | | - | - | - | - |
| 8.8.1.6.30.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 8.8.1.6.31. Display Electronics Unit II (DEU II) | | | | | | | | | | | |
| 8.8.1.6.31.1. Operational Check | | | | | | | | - | - | - | - |
| 8.8.1.6.31.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 8.8.1.6.32. Central De-ice Distributor (CDD) | | | | | | | | | | | |
| 8.8.1.6.32.1. Operational Check | | | | | | | | - | - | - | - |
| 8.8.1.6.32.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 8.8.1.6.33. Nacelle Ice Protection Control Unit (NIPCU) | | | | | | | | | | | |
| 8.8.1.6.33.1. Operational Check | 5 | | | | | | | - | - | - | - |
| 8.8.1.6.33.2. Isolate/Repair Malfunctions | 5 | | | | | | | - | - | - | - |
| 8.8.1.6.34. Nacelle Interface Unit (NIU) | | | | | | | | | | | |
| 8.8.1.6.34.1. Operational Check | 5 | | | | | | | - | - | - | - |
| 8.8.1.6.34.2. Isolate/Repair Malfunctions | 5 | | | | | | | - | - | - | - |
| 8.8.1.6.35. Auxiliary Power Unit/Electronic Control Unit (APU/ECU) | | | | | | | | | | | |
| 8.8.1.6.35.1. Operational Check | | | | | | | | - | - | - | - |
| 8.8.1.6.35.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 8.8.1.6.36. Ice Detection Control Unit (IDCU) | | | | | | | | | | | |
| 8.8.1.6.36.1. Operational Check | | | | | | | | - | - | - | - |
| 8.8.1.6.36.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |

AFSOC BACKSHOP TRAINING REQUIREMENTS

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And TechnicalReferences** | Core/Cert\ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 8.8.1.7. Miscellaneous Tasks | | | | | | | | | | | |
| 8.8.1.7.1. Software Updates | | | | | | | | | | | |
| 8.8.1.7.1.1. Test Station Software Update | | | | | | | | - | - | - | - |
| 8.8.1.7.1.2. Test Program Set (TPS) Software Update | | | | | | | | - | - | - | - |
| 8.8.1.7.1.3. Station Archive (RTT and Cal Files) | 5 | | | | | | | - | - | - | - |
| 8.8.1.7.1.4. Restore (RTT and Cal Files) | 7 | | | | | | | - | - | - | - |
| 8.8.1.7.2. Memory Loader/Verifier Set (AN/USQ131B) | | | | | | | | | | | |
| 8.8.1.7.2.1. Operation and Use | 5 | | | | | | | - | - | - | - |
| 8.8.1.7.3. TTU-405 Air Data Test Set | | | | | | | | | | | |
| 8.8.1.7.3.1. Operation and Use | | | | | | | | - | - | - | - |
| 8.8.1.7.4. Calibration Cart/PATEC | | | | | | | | | | | |
| 8.8.1.7.4.1. Operation and Use | 7 | | | | | | | - | - | - | - |
| 8.8.1.7.5. IETMS | | | | | | | | | | | |
| 8.8.1.7.5.1. Operation and Use | | | | | | | | - | - | - | - |
| 8.8.1.7.6. Facility Ground Test | | | | | | | | | | | |
| 8.8.1.7.6.1. Operation and Use | | | | | | | | - | - | - | - |
| 8.8.1.7.7. 400 Hz Convertor | | | | | | | | | | | |
| 8.8.1.7.7.1. Operation and Use | | | | | | | | - | - | - | - |
| 8.8.1.7.8. Mobile Maintenance Facilities (MMF) | | | | | | | | | | | |
| 8.8.1.7.8.1. Operational Check | | | | | | | | - | - | - | - |
| 8.8.1.7.8.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |

2A0X1M COMMON

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And TechnicalReferences** | Core/Cert\ | Deployment */SEI + / CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| **Note 1:** Proficiency codes in column 4A identify the task/knowledge requirement for resident training. When two codes are used (e.g., 2b/b), the second code indications the level of training provided in the course due to equipment shortages or other constraints; dash (e.g., 2b/-) indicates the item will not be trained until the constraint is eliminated. | | | | | | | | | | | |
| 9. ATTACHMENT 9, 2A0X1M COMMON | | | | | | | | | | | |
| 9.1. MAINTENANCE DATA DOCUMENTATION (MDD) TR: TO00-20-2 | | | | | | | | | | | |
| 9.1.1. Fundamentals and Application of MDD | | | | | | | | A | B | - | - |
| 9.1.2. Reliability, Availability, Maintainability, Pod (RAMPOD) TR: AFI21-103 | | | | | | | | | | | |
| 9.1.2.1. Global Eye Principles | | | | | | | | A | - | - | - |
| 9.1.2.2. Perform Maintenance Transactions | 5 | | | | | | | 2b | - | - | - |
| 9.1.2.3. Perform Maintenance Inquiries | 5 | | | | | | | 2b | - | - | - |
| 9.1.3. Integrated Maintenance Data System (IMDS) | | | | | | | | | | | |
| 9.1.3.1. IMDS principles | | | | | | | | A | B | - | - |
| 9.1.3.2. Perform Maintenance Transactions | | | | | | | | 2b | b | - | - |
| 9.1.3.3. Perform Maintenance Inquiries | | | | | | | | 2b | b | - | - |
| 9.1.3.4. Perform Supply Transactions | | | | | | | | 2b | b | - | - |
| 9.1.3.5. Management/Supervision/ TrainingTransactions | | | | | | | | - | - | - | - |
| 9.1.4. Complete Integrated MX Data Systems (IMDS) CBT | | | | | | | | - | - | - | - |
| 9.2. PORTABLE AUTOMATIC TEST EQUIPMENT CALIBRATOR (PATEC) | | | | | | | | | | | |
| 9.2.1. Operation | | | | | | | | - | - | - | - |
| 9.3. DATA TRANSFER EQUIPMENT | | | | | | | | | | | |
| 9.3.1. Data Transfer Principles | | | | | | | | - | A | - | - |
| 9.3.2. Operate Data Transfer Equipment | | | | | | | | - | - | - | - |
| 9.3.3. SERENE BYTE/PACERWARE Principles | | | | | | | | - | A | - | - |

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And TechnicalReferences** | Core/Cert^ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 9.4 ELECTRONIC WARFARE COMBAT FUNDAMENTALS | | | | | | | | | | | |
| 9.4.1. Principles | | | | | | | | A | - | - | - |
| 9.4.2. Component Types | | | | | | | | A | - | - | - |
| 9.5. RF FUNDAMENTALS | | | | | | | | | | | |
| 9.5.1. RF Troubleshooting Principles | | | | | | | | A | B | - | - |
| 9.6. USE TEST EQUIPMENT TR: APPLICABLE EQUIPMENT TO(S)/MANUALS | | | | | | | | | | | |
| 9.6.1. Universal Counter | | | | | | | | - | - | - | - |
| 9.6.2. Power Meter | | | | | | | | - | - | - | - |
| 9.6.3. Frequency Counter | | | | | | | | - | - | - | - |
| 9.6.4. Scalar Network Analyzer | | | | | | | | - | - | - | - |
| 9.6.5. Pulse Generator | | | | | | | | - | - | - | - |
| 9.6.6. Radio Frequency Radiation Monitor | | | | | | | | - | - | - | - |
| 9.6.7 Spectrum Analyzer | | | | | | | | - | - | - | - |
| 9.6.8. Signal Generator | | | | | | | | - | - | - | - |
| 9.6.9. Time Domain Reflectometer | | | | | | | | - | - | - | - |
| 9.7. TEST STATION PRINCIPLES TR: APPLICABLE TEST STATION TOs | | | | | | | | | | | |
| 9.7.1. Power Distribution | | | | | | | | B | B | - | - |
| 9.7.2. Emergency Shutdown | | | | | | | | - | - | - | - |
| 9.7.3. Stimulus Devices | | | | | | | | B | B | - | - |
| 9.7.4. Measurement Devices | | | | | | | | B | B | - | - |
| 9.7.5. Computer Control | | | | | | | | B | B | - | - |
| 9.7.6. Bus Communications Standard | | | | | | | | B | B | - | - |
| 9.7.7. Signal Routing | | | | | | | | B | B | - | - |
| 9.8. TEST LANGUAGES TR: TOs 33D7-38-111-1-3, 33D7-38-111-18-1, 33D7-38-111-82; NA-84-110H | | | | | | | | | | | |
| 9.8.1. Non-test Statement Analysis | | | | | | | | | | | |
| 9.8.1.1. Data Declaration | | | | | | | | - | - | - | - |
| 9.8.1.2. Calculate/Compare | | | | | | | | - | - | - | - |
| 9.8.1.3. Decision/Branching | | | | | | | | - | - | - | - |
| 9.8.1.4. Input/Output/Delay | | | | | | | | - | - | - | - |
| 9.8.2 Test Statement Analysis | | | | | | | | | | | |
| 9.8.2.1. Analog Stimulus | | | | | | | | - | - | - | - |
| 9.8.2.2. Analog Measurement | | | | | | | | - | - | - | - |
| 9.8.2.3. Digital Test | | | | | | | | - | - | - | - |
| 9.8.3. Protocol Theory | | | | | | | | - | - | - | - |
| 9.8.4. System Procedures | | | | | | | | - | - | - | - |
| 9.8.5. Program Structure | | | | | | | | - | - | - | - |

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (see Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And TechnicalReferences** | Core/Cert^ | Deployment *^SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 9.9. AIRCRAFT SYSTEMS THEORY | | | | | | | | | | | |
| 9.9.1. Radar Systems | | | | | | | | A | B | - | - |
| 9.9.2. Identification Friend or Foe (IFF) | | | | | | | | - | - | - | - |
| 9.9.3. Radio/RADAR Altimeter | | | | | | | | - | - | - | - |
| 9.9.4. Flight Control Systems | | | | | | | | - | A | - | - |
| 9.9.5. Weapons Delivery System | | | | | | | | - | A | - | - |
| 9.9.6. Air Data Systems | | | | | | | | - | A | - | - |
| 9.9.7. Electronic Counter Measures | | | | | | | | - | - | - | - |
| 9.9.8. Flight Instruments | | | | | | | | - | A | - | - |
| 9.9.9. Bussing and Multiplex | | | | | | | | - | A | - | - |
| 9.9.10. Avionic Integration and Control Systems | | | | | | | | - | - | - | - |
| 9.9.11. Displays | | | | | | | | - | A | - | - |
| 9.9.12. Navigation Systems | | | | | | | | - | - | - | - |
| 9.9.12.1. Inertial Navigation System (INS) | | | | | | | | - | - | - | - |
| 9.9.12.2. Tactical Air Navigation (TACAN) System | | | | | | | | - | - | - | - |
| 9.9.12.3. Global Positioning System (GPS) | | | | | | | | - | - | - | - |
| 9.9.12.4. VHF Omni Range/Instrument Landing System/Microwave Landing System (VOR/ILS/MLS) | | | | | | | | - | - | - | - |
| 9.9.12.5. Compass Systems | | | | | | | | - | - | - | - |
| 9.9.12.6. Embedded GPS/INS | | | | | | | | - | A | - | - |
| 9.9.13. Communication Systems | | | | | | | | | | | |
| 9.9.13.1. UHF | | | | | | | | - | - | - | - |
| 9.9.13.2. VHF | | | | | | | | - | - | - | - |
| 9.9.13.3. HF | | | | | | | | - | - | - | - |
| 9.9.13.4. Interphone | | | | | | | | - | A | - | - |
| 9.9.14. Propulsion Management Systems | | | | | | | | | | | |
| 9.9.14.1. Theory | | | | | | | | - | A | - | - |

B-1 TRAINING REQUIREMENTS

| B-1 TRAINING REQUIREMENTS | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (See Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And Technical References** | Core/Cert\ | Deployment */SE1 + / CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| **Note 1:** Proficiency codes in column 4A identify the task/knowledge requirement for resident training. When two codes are used (e.g., 2b/b), the second code indications the level of training provided in the course due to equipment shortages or other constraints; dash (e.g., 2b/-) indicates the item will not be trained until the constraint is eliminated. | | | | | | | | | | | |
| 10. ATTACHMENT 10, B-1 TRAINING REQUIREMENTS With exception to NOTED areas, requirements for upgrade to 5-level, personnel must complete the following: 1) all Tasks in attachment 2; 2) all Tasks in eitherthe REW or DAV section; 3) all Tasks on USTB. With exception to NOTED areas, requirements for upgrade to 7-level, personnel must complete the following: 1) all Tasks in attachment 2; 2) all Tasks in B-1 Common Test Station; 3) all Tasks in either the REW or DAV section; 4) all Tasks on USTB. | | | | | | | | | | | |
| 10.1. OPERATE APPLICABLE MIS TR: DAFI 21-101 | | | | | | | | | | | |
| 10.1.1. Historical Records | | | | | | | | - | - | - | - |
| 10.1.2. Status Reports | | | | | | | | - | - | - | - |
| 10.1.3. Configuration Management | | | | | | | | - | - | - | - |
| 10.2. B-1 COMMON TEST STATIONCOMPONENTS, DIGITAL (DIG/REW) TR: TOs 33D7-3-256-1, 33D7-3-256-8-1, 33D7-33-194-1 | | | | | | | | | | | |
| 10.2.1. Theory of Operation | | | | | | | | - | - | - | - |
| 10.2.2. Operate Test Station | | | | | | | | - | - | - | - |
| 10.2.3. DIG/REW Tests | | | | | | | | | | | |
| 10.2.3.1. Perform CONF | | | | | | | | - | - | - | - |
| 10.2.3.2. Perform ALIN | | | | | | | | - | - | - | - |
| 10.2.3.3. Perform DIAG | | | | | | | | - | - | - | - |
| 10.2.3.4. Perform Calibration | | | | | | | | - | - | - | - |
| 10.2.4. Perform Periodic Inspections | | | | | | | | - | - | - | - |
| 10.2.5. Isolate/Repair Malfunctions | 7 | | | | | | | - | - | - | - |
| 10.2.6. Software Procedures | | | | | | | | - | b | - | - |

B-1 TRAINING REQUIREMENTS

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (See Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And Technical References** | Core/Cert^ | Deployment */SEI + / CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 10.3. ADVANCED DIGITAL TEST STATION (ADTS) TR (ADTS) TR: TO 33D7-24-36-1 | | | | | | | | | | | |
| 10.3.1. Theory of Operation | | | | | | | | A | B | - | - |
| 10.3.2. Operate Test Station | | | | | | | | 2b | - | - | - |
| 10.3.3. ADTS Tests | | | | | | | | | | | |
| 10.3.3.1. Perform Confidence Test | 5 | | | | | | | 2b | - | - | - |
| 10.3.3.2. Perform Interactive Test | 5 | | | | | | | 2b | - | - | - |
| 10.3.3.3. Perform Functional Verification Test (FVT) | 5 | | | | | | | 2b | - | - | - |
| 10.3.4. Perform Periodic Inspections TR: TO 33D7-24-36-1 | 5 | | | | | | | - | - | - | - |
| 10.3.5. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 10.3.6. Software Procedures | | | | | | | | - | - | - | - |
| 10.4. B-1 DIGITAL ANALOG VIDEO (DAV) TEST STATION | | | | | | | | | | | |
| 10.4.1. Theory of Operation | | | | | | | | - | - | - | - |
| 10.4.2. Operate Test Station | | | | | | | | - | - | - | - |
| 10.4.3. DAV Tests | | | | | | | | | | | |
| 10.4.3.1. Perform CONF | 5 | | | | | | | - | - | - | - |
| 10.4.3.2. Perform DIAG | 5 | | | | | | | - | - | - | - |
| 10.4.3.3. Perform ALIN | 5 | | | | | | | - | - | - | - |
| 10.4.4. Perform Periodic Inspections | 5 | | | | | | | - | - | - | - |
| 10.4.5. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 10.4.6. Software Procedures | | | | | | | | - | - | - | - |
| 10.5. B-1 ADTS LRU/TEST PROGRAM SET (TPS) MAINTENANCE | | | | | | | | | | | |
| 10.5.1. 20 Channel Proximity Switch Electronic Unit TR: TOs 8S-1-122, 8S-1-128-1, 33D7-50-1164-1 | | | | | | | | | | | |
| 10.5.1.1. Operational Check | | | | | | | | - | - | - | - |
| 10.5.1.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 10.5.1.3. Calibrate TPS | | | | | | | | - | - | - | - |
| 10.5.2. Antenna Memory Module | | | | | | | | | | | |
| 10.5.2.1. Operational Check | | | | | | | | - | - | - | - |
| 10.5.2.2. Reprogram | | | | | | | | | | | |
| 10.5.2.2.1. TPS | | | | | | | | - | - | - | - |
| 10.5.2.2.2. LRU | | | | | | | | - | - | - | - |

B-1 TRAINING REQUIREMENTS

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (See Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And Technical References** | Core/Cert^ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 10.5.3. Bomb Navigation Auxiliary Control TR: TO 11B12-6-10-2, 11B12-6-10-8-1, 33D3-4-157-1 | | | | | | | | | | | |
| 10.5.3.1. Operational Check | | | | | | | | - | - | - | - |
| 10.5.3.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 10.5.4. Bomb Navigation Control TR: TO 11B12-6-9-2, 11B12-6-9-8-1, 33D3-4-157-1 | | | | | | | | | | | |
| 10.5.4.1. Operational Check | | | | | | | | - | - | - | - |
| 10.5.4.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 10.5.5. Beam Steering Controller TR: TO 12P1-4-35-2, 12P1-4-35-8-1, 33D7-50-1206-1 | | | | | | | | | | | |
| 10.5.5.1. Operational Check | | | | | | | | - | - | - | - |
| 10.5.5.2. Isolate/Repair Malfunctions | | | | | | | | | | | |
| 10.5.5.2.1. TPS | | | | | | | | - | - | - | - |
| 10.5.5.2.2. LRU | | | | | | | | - | - | - | - |
| 10.5.6. Central Power Supply TR: TO 12P3-2ALQ161-162, 12P3-2ALQ161-158-1, 33D7-50-1315-1 | | | | | | | | | | | |
| 10.5.6.1. Operational Check | | | | | | | | 2b | - | - | - |
| 10.5.6.2. Isolate/Repair Malfunctions | | | | | | | | | | | |
| 10.5.6.2.1. TPS | | | | | | | | - | - | - | - |
| 10.5.6.2.2. LRU | | | | | | | | - | - | - | - |
| 10.5.7. C and D Power Supply TR: TO 11B12-30-3-2, 11B12-30-3-8-1, 33D3-4-157-1 | | | | | | | | | | | |
| 10.5.7.1. Operational Check | | | | | | | | - | - | - | - |
| 10.5.7.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 10.5.8. CITS Data Acquisition Unit (DAU) TR: TOs 5F22-32-2, 5F22-32-8-1, 33D7-50-1264-1 | | | | | | | | | | | |
| 10.5.8.1. Operational Check | | | | | | | | - | - | - | - |
| 10.5.8.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 10.5.9. CITS Data Conversion Unit (DCU) TR: TOs 5F22-30-2, 5F22-30-8-1, 33D7-50-871-1 | | | | | | | | | | | |
| 10.5.9.1. Operational Check | | | | | | | | - | - | - | - |
| 10.5.9.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |

B-1 TRAINING REQUIREMENTS

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (See Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And Technical References** | Core/Cert\ | Deployment */SE1 / CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 10.5.10. Countermeasure (CM) Dispense Control TR: TOs 12P3-4- 87-2, 12P3-4-87-8-1, 33D7-13-101-1 | | | | | | | | | | | |
| 10.5.10.1. Operational Check | | | | | | | | - | - | - | - |
| 10.5.10.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 10.5.11. Core RPM and Nozzle Indicator TR: TOs 5L6-2-97-2, 5L6-2-97-8-1, 33D7-50-813-1 | | | | | | | | | | | |
| 10.5.11.1. Operational Check | | | | | | | | - | - | - | - |
| 10.5.11.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 10.5.12. Digital Fuel Tank Quantity Select Indicator | | | | | | | | | | | |
| 10.5.12.1. Operational Check | | | | | | | | - | - | - | - |
| 10.5.12.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 10.5.13. Electronic Beam former Unit (EBU) bands 6, 7, 8 TR: TOs 12P3-2ALQ161-312, 12P3-2ALQ161-318-1, 33D7-50-1306-1 | | | | | | | | | | | |
| 10.5.13.1. Operational Check | | | | | | | | - | - | - | - |
| 10.5.13.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 10.5.14. Electronic Marker Generator (EMG) TR: TOs 11B10-25-6, 11B10-25-6-8-1, 33D7-50-1244-1 | | | | | | | | | | | |
| 10.5.14.1. Operational Check | | | | | | | | - | - | - | - |
| 10.5.14.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 10.5.15. Electrical Multiplexing (EMUX) Controller TR: TOs 5F27-2-2, 5F27-2-8-1, 33D7-50-827-1 | | | | | | | | | | | |
| 10.5.15.1. Operational Check | | | | | | | | - | - | - | - |
| 10.5.15.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 10.5.16. Engine Instrument Signal Conditioner | | | | | | | | | | | |
| 10.5.16.1. Operational Check | 5 | | | | | | | - | - | - | - |
| 10.5.16.2. Isolate/Repair Malfunctions | 5 | | | | | | | - | - | - | - |
| 10.5.17. Electronic Signal Amplifier (ESA) TR: TOs 12P1-4-40-2, 12P1-4-40-8-1, 33D7-50-1501-1 | | | | | | | | | | | |
| 10.5.17.1. Operational Check | | | | | | | | - | - | - | - |
| 10.5.17.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |

B-1 TRAINING REQUIREMENTS

| 1. Tasks, Knowledge And Technical References | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (See Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Core/Cert\ | Deployment */SE1 + / CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 10.5.18. Electrical Power Generation System (EPGS) Generator Control Unit (GCU) TR: TOs 8C3-5-4-2, 8C3-5-4-8-1, 8C7-2-53-1, 33D7-50-1608-1 | | | | | | | | | | | |
| 10.5.18.1. Operational Check | 5 | | | | | | | - | - | - | - |
| 10.5.18.2. Isolate/Repair Malfunctions | 5 | | | | | | | - | - | - | - |
| 10.5.19. Fan RPM Indicator TR: TOs 5L6-2-67-1 | | | | | | | | | | | |
| 10.5.19.1. Operational Check | | | | | | | | - | - | - | - |
| 10.5.19.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 10.5.20. Fuel Center of Gravity Management System (FCGMS) Center of Gravity and Total Fuel Indicator TR: TOs 5L1-3-12-2, 5L1-3-12-8-1, 33D7-50-1025-1 | | | | | | | | | | | |
| 10.5.20.1. Operational Check | | | | | | | | - | - | - | - |
| 10.5.20.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 10.5.21. FCGMS Intermediate Device TR: TOs 5L13-2-26-2, 5L13-2-26-8-1, 33D7-50-786-1 | | | | | | | | | | | |
| 10.5.21.1. Operational Check | 5 | | | | | | | - | - | - | - |
| 10.5.21.2. Isolate/Repair Malfunctions | 5 | | | | | | | - | - | - | - |
| 10.5.21.3. Calibrate TPS | 7 | | | | | | | - | - | - | - |
| 10.5.22. Fill Controller and Fuel Quantity Indicator | | | | | | | | | | | |
| 10.5.22.1. Operational Check | | | | | | | | - | - | - | - |
| 10.5.22.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 10.5.23. Flight Director Computer Monitor (FDCM) TR: TOs 5N5-13-20-2, 5N13-13-20-8-1, 33D7-50-1026-1 | | | | | | | | | | | |
| 10.5.23.1. Operational Check | | | | | | | | - | - | - | - |
| 10.5.23.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 10.5.24. Integrated Keyer Control (IKB) TR: TOs 11B10-25-8-2, 11B10-25-8-8-1, 33D3-4-157-1 | | | | | | | | | | | |
| 10.5.24.1. Operational Check | | | | | | | | - | - | - | - |
| 10.5.24.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 10.5.25. Main Aircraft System Integration Panel (SIP) TR: TOs 8C21-35-2, 8C21-35-8-1, 33D7-50-1292-1 | | | | | | | | | | | |
| 10.5.25.1. Operational Check | | | | | | | | - | - | - | - |
| 10.5.25.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |

B-1 TRAINING REQUIREMENTS

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (See Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And Technical References** | Core/Cert^ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 10.5.26. Main Flight Station Caution Panel TR: TOs 8D10-7-16-2, 8D10-7-16-8-1, 33D7-50-890-1 | | | | | | | | | | | |
| 10.5.26.1. Operational Check | | | | | | | | - | - | - | - |
| 10.5.26.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 10.5.27. Oil Pressure and Quantity Indicator TR: TOs 5L6-3-97-2, 5L6-3-97-8-1, 33D7-50-817-1 | | | | | | | | | | | |
| 10.5.27.1. Operational Check | | | | | | | | - | - | - | - |
| 10.5.27.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 10.5.28. Radar Data Terminal/Signal Data Converter (RDT/SDC) TR: TOs 11B13-4-11-2, 11B13-4-11-8-1, 33D7-17-75-1 | | | | | | | | | | | |
| 10.5.28.1. Operational Check | | | | | | | | - | - | - | - |
| 10.5.28.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 10.5.29. Rotary Launcher Electronic Control Amplifier TR: TOs 8C3-16-14-2, 8C3-16-14-4 | | | | | | | | | | | |
| 10.5.29.1. Operational Check | | | | | | | | - | - | - | - |
| 10.5.29.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 10.5.30. Sector Power Supply TR: TOs 12P3-2ALQ161-152, 12P3-2ALQ161-158-1, 33D7-50-1314-1 | | | | | | | | | | | |
| 10.5.30.1. Operational Check | | | | | | | | - | - | - | - |
| 10.5.30.2. Isolate/Repair Malfunctions | | | | | | | | | | | |
| 10.5.30.2.1. LRU | | | | | | | | - | - | - | - |
| 10.5.30.2.2. TPS | | | | | | | | - | - | - | - |
| 10.5.31. Signal Data Converter/Crash Data Recorder (SDC/CDR) TR: TOs 5F1-7-5-2, 5F1-7-5-8-1, 33D7-50-1167-1 | | | | | | | | | | | |
| 10.5.31.1. Operational Check | | | | | | | | - | - | - | - |
| 10.5.31.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 10.5.32. Surface Positioning Signal Conditioner TR: TOs 5F22-29-2, 5F22-29-8-1, 33D7-50-803-1 | | | | | | | | | | | |
| 10.5.32.1. Operational Check | | | | | | | | - | - | - | - |
| 10.5.32.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |

B-1 TRAINING REQUIREMENTS

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (See Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And Technical References** | Core/Cert\ | Deployment */SE1 + / CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 10.5.33. Thermal Management Controller TR: TOs 15A8-3-22-2, 15A8-3-22-8-1, 33D7-50-836-1 | | | | | | | | | | | |
| 10.5.33.1. Operational Check | | | | | | | | - | - | - | - |
| 10.5.33.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 10.5.34. Wheel Well Power Supply TR: TOs 12P3-2ALQ161-172, 12P3-2ALQ161-158-1, 33D7-50-1316-1 | | | | | | | | | | | |
| 10.5.34.1. Operational Check | | | | | | | | - | - | - | - |
| 10.5.34.2. Isolate/Repair Malfunctions | | | | | | | | | | | |
| 10.5.34.2.1. TPS | | | | | | | | - | - | - | - |
| 10.5.34.2.2. LRU | | | | | | | | - | - | - | - |
| 10.6. B-1 ENHANCED POWER AND CONTROL ASSEMBLY TESTER (EPCAT) TR: TO 33D7-38-330-1 | | | | | | | | | | | |
| 10.6.1. Theory of Operation | | | | | | | | - | - | - | - |
| 10.6.2. Operate Test Station | | | | | | | | - | - | - | - |
| 10.6.3. EPCAT Tests | | | | | | | | | | | |
| 10.6.3.1. Perform Confidence Test | 5 | | | | | | | - | - | - | - |
| 10.6.3.2. Perform Interactive Test | 5 | | | | | | | - | - | - | - |
| 10.6.3.3. Functional Tests | | | | | | | | | | | |
| 10.6.3.3.1. Perform Wire Verification Test (WVT) | 5 | | | | | | | - | - | - | - |
| 10.6.3.3.2. Perform Functional Verification Test (FVT) | 5 | | | | | | | - | - | - | - |
| 10.6.3.3.3. Perform Transition Interface Fixture (TIF) Test | 5 | | | | | | | - | - | - | - |
| 10.6.4. Perform Periodic Inspections | | | | | | | | - | - | - | - |
| 10.6.5. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 10.6.6. Software Procedures | | | | | | | | - | - | - | - |
| 10.6.7. Power Control Assemblies (PCA) & Associated ITAs Assigned to PCAT: | | | | | | | | | | | |
| 10.6.7.1. Drawer Type PCAs with Ref Des 245* TR: TO 8C3-16-*-2, 8C3-16-*-8-1 | | | | | | | | | | | |
| 10.6.7.1.1. Perform Software Tests | | | | | | | | - | - | - | - |
| 10.6.7.1.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |

B-1 TRAINING REQUIREMENTS

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (See Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And Technical References** | Core/Cert^ | Deployment */SE1 + / CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 10.6.7.2. Wheel Well PCAs 2452A06, 2453A06, 2454A05, 2455A06 TR: TO 8C3-18-7, -8, -10, -13-2, 8C3-18-18-7, -8, -10, -13-8-1 | | | | | | | | | | | |
| 10.6.7.2.1. Perform Software Tests | 5 | | | | | | | - | - | - | - |
| 10.6.7.2.2. Isolate/Repair Malfunctions | 5 | | | | | | | - | - | - | - |
| 10.6.7.3. Serial Digital Multiplex Assembly (SDMA) TR: TOs 5F27-3-2, 5F27-3-8-1, 33D7-50-891-1 | | | | | | | | | | | |
| 10.6.7.3.1. Operational Check | 5 | | | | | | | - | - | - | - |
| 10.6.7.3.2. Isolate/Repair Malfunctions | 5 | | | | | | | - | - | - | - |
| 10.6.7.4. Conventional Rotary Launcher PCA | | | | | | | | | | | |
| 10.6.7.4.1. Perform Software Tests | | | | | | | | - | - | - | - |
| 10.6.7.4.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 10.7. MANUAL LRU MAINTENANCE | | | | | | | | | | | |
| 10.7.1. Intercommunication Station (ICS-150) TR: TO 12R2-2AIC33-2 | | | | | | | | | | | |
| 10.7.1.1. Operate ICS Test Set | | | | | | | | - | - | - | - |
| 10.7.1.2. Troubleshoot and Repair ICS Test Set | | | | | | | | - | - | - | - |
| 10.7.2. ICS-150 Central Control Unit (CCU) | | | | | | | | | | | |
| 10.7.2.1. Perform Maintenance Testing | | | | | | | | - | - | - | - |
| 10.7.2.2. Troubleshoot and Repair | | | | | | | | - | - | - | - |
| 10.7.3. ICS-150 Crew Station Unit (CSU) | | | | | | | | | | | |
| 10.7.3.1. Perform Maintenance Testing | | | | | | | | - | - | - | - |
| 10.7.3.2. Troubleshoot and Repair | | | | | | | | - | - | - | - |
| 10.7.4. ICS-150 Maintenance Station Unit (MSU) | | | | | | | | | | | |
| 10.7.4.1. Perform Maintenance Testing | | | | | | | | - | - | - | - |
| 10.7.4.2. Troubleshoot and Repair | | | | | | | | - | - | - | - |
| 10.8. RADAR AND ELECTRONIC WARFARE SECTION (REW) | | | | | | | | | | | |
| 10.8.1. B-1 Advanced REW Test Station (ARTS) | | | | | | | | | | | |
| 10.8.1.1. Theory of Operation | | | | | | | | - | - | - | - |
| 10.8.1.2. Operate Test Station | | | | | | | | - | - | - | - |

B-1 TRAINING REQUIREMENTS

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (See Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And Technical References** | Core/Cert\ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 10.8.1.3. Self-test | | | | | | | | - | - | - | - |
| 10.8.1.4. Perform Periodic Inspections | | | | | | | | - | - | - | - |
| 10.8.1.5. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 10.8.1.6. Software Procedures | | | | | | | | - | - | - | - |
| 10.8.1.7. Perform Calibration Procedures | | | | | | | | - | - | - | - |
| 10.8.2. B-1 Radar Electronic Warfare (R/EW) Test Station TR: TO 33A1-7-261-1, 33A1-8-941-1, 33D7-10-129-11-3, 33D7-44-251-1, 33D7-44-251-8-1, 33D7-33-196-1, 33DA52-21-11 | | | | | | | | | | | |
| 10.8.2.1. Theory of Operation | | | | | | | | - | - | - | - |
| 10.8.2.2. Operate Test Station | | | | | | | | - | - | - | - |
| 10.8.2.2.1. R/EW Tests | | | | | | | | | | | |
| 10.8.2.2.1.1. Perform CONF | 5 | | | | | | | - | - | - | - |
| 10.8.2.2.1.2. Perform DIAG | 5 | | | | | | | - | - | - | - |
| 10.8.2.2.1.3. Perform ALIN | 5 | | | | | | | - | - | - | - |
| 10.8.2.3. Perform Periodic Inspections | | | | | | | | - | - | - | - |
| 10.8.2.4. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 10.8.2.5. Software Procedures | | | | | | | | - | - | - | - |
| 10.8.3. B-1 Radio Frequency (RF) Defensive Automatic Test Equipment (ATE) Augmentation Equipment (DAAE) TR: TOs 33D7-13-99-1, 33D7-13-99-8-1, 33D7-50-1029- 1 | | | | | | | | | | | |
| 10.8.3.1. Theory of Operation | | | | | | | | - | - | - | - |
| 10.8.3.2. Operate Test Station | | | | | | | | - | - | - | - |
| 10.8.3.2.1. RF DAAE Tests | | | | | | | | | | | |
| 10.8.3.2.1.1. Perform CONF | 5 | | | | | | | - | - | - | - |
| 10.8.3.2.1.2. Perform DIAG | 5 | | | | | | | - | - | - | - |
| 10.8.3.3. Perform Alignment | | | | | | | | - | - | - | - |
| 10.8.3.4. Perform Inspections | | | | | | | | - | - | - | - |
| 10.8.3.5. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 10.8.3.6. Software Procedures | | | | | | | | - | - | - | - |
| 10.8.4. B-1 Digital Defensive Automatic Test Equipment (ATE) Augmentation Equipment (DAAE) TR: TO 33D7-13-100-1, 33D7-13-100-8-1, 33D7-50-1028-1 | | | | | | | | | | | |
| 10.8.4.1. Theory of Operation | | | | | | | | - | - | - | - |
| 10.8.4.2. Operate Test Station | | | | | | | | - | - | - | - |

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (See Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And Technical References** | Core/Cert^ | Deployment */SE! +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 10.8.4.3. Digital DAAE Tests | | | | | | | | | | | |
| 10.8.4.3.1. Perform CONF | 5 | | | | | | | - | - | - | - |
| 10.8.4.3.2. Perform DIAG | 5 | | | | | | | - | - | - | - |
| 10.8.4.3.3. Perform Alignment | | | | | | | | - | - | - | - |
| 10.8.4.4. Perform Inspections | | | | | | | | - | - | - | - |
| 10.8.4.5. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 10.8.4.6. Software Procedures | | | | | | | | - | - | - | - |
| 10.8.5. B-1 R/EW LRU/TPS Maintenance | | | | | | | | | | | |
| 10.8.5.1. Advance Tracking Unit (ATU) TR: TOs 12P3-2ALQ161-272, 12P3-2ALQ161-278-1, 33D7-50-1238-1 | | | | | | | | | | | |
| 10.8.5.1.1. Operational Check | | | | | | | | - | - | - | - |
| 10.8.5.1.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 10.8.5.2. Control Interface Unit (CIU) TR: TOs 12P3-2ALQ161-252, 12P3-ALQ161-258-1, 33D7-50-1236-1 | | | | | | | | | | | |
| 10.8.5.2.1. Operational Check | | | | | | | | - | - | - | - |
| 10.8.5.2.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 10.8.5.3. Direction Finding (DF) Encoder TR: TOs 12P3-2ALQ161-362, 12P3-2ALQ161-368-1, 33D7-50-1239-1 | | | | | | | | | | | |
| 10.8.5.3.1. Operational Check | | | | | | | | - | - | - | - |
| 10.8.5.3.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 10.8.5.4. Driver, Any Band TR: TO 12P3-2ALQ161-*, 33D7-50-*-1 | | | | | | | | | | | |
| 10.8.5.4.1. Operational Check | | | | | | | | - | - | - | - |
| 10.8.5.4.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 10.8.5.5. Encoder TR: TO 12P3-2ALQ161-122, 12P3-2ALQ161-128-1, 33D7-50-1228-1 | | | | | | | | | | | |
| 10.8.5.5.1. Operational Check | | | | | | | | - | - | - | - |
| 10.8.5.5.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 10.8.5.6. Frequency Channelizer (FCh) TR: TO 12P3-2ALQ161-132, 12P3-2ALQ161-138-1, 33D7-50-1311-1 | | | | | | | | | | | |
| 10.8.5.6.1. Operational Check | 5 | | | | | | | - | - | - | - |
| 10.8.5.6.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |

B-1 TRAINING REQUIREMENTS

| 1. Tasks, Knowledge And Technical References | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (See Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Core/Cert^ | Deployment */SEI +/- CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 10.8.5.7. Interferometer Antenna TR: TO 12P3-2ALQ161-352, 12P3-2ALQ161-358-1, 33D7-50-1305-1 | | | | | | | | | | | |
| 10.8.5.7.1. Operational Check | | | | | | | | - | - | - | - |
| 10.8.5.7.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 10.8.5.8. Interferometer Receiver (IR) TR: TO 12P3-2ALQ161-112, 12P3-2ALQ161-118-1, 33D7-50-1269-1 | | | | | | | | | | | |
| 10.8.5.8.1. Operational Check | | | | | | | | - | - | - | - |
| 10.8.5.8.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 10.8.5.9. Jammer Logic A/B TR: TO 12P3-2ALQ161-262, 12P3-2ALQ161-268-1, 33D7-50-1237-1 | | | | | | | | | | | |
| 10.8.5.9.1. Operational Check | 5 | | | | | | | - | - | - | - |
| 10.8.5.9.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 10.8.5.10. Receiver Threshold Control (RTC) TR: TOs 12P3-2ALQ161-262, 12P3-2ALQ161-268-1, 33D7-50-1237-1 | | | | | | | | | | | |
| 10.8.5.10.1. Operational Check | | | | | | | | - | - | - | - |
| 10.8.5.10.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 10.8.5.11. Receiver, Any Band TR: TO 12P3-2ALQ161-102, 12P3-2ALQ161-108-1, 33D7-50-1310-1 | | | | | | | | | | | |
| 10.8.5.11.1. Operational Check | | | | | | | | - | - | - | - |
| 10.8.5.11.2. Isolate/Repair Malfunctions | 7 | | | | | | | - | - | - | - |
| 10.8.5.12. RF Source, Any Band TR: TO 12P3-2ALQ161-*, 33D7-50-*-1 | | | | | | | | | | | |
| 10.8.5.12.1. Operational Check | | | | | | | | - | - | - | - |
| 10.8.5.12.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 10.8.5.13. RF Source Repeater, Any Band TR: TO 12P3-2ALQ161-*, 33D7-50-*-1 **(NOTE: Units that possessthe RF Source Band 6 and RF SourceRepeater, Band 7 will only qualify on one for upgrade to 5 and 7 level)** | | | | | | | | | | | |

B-1 TRAINING REQUIREMENTS

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (See Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And Technical References** | Core/Cert^ | Deployment */SE! +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 10.8.5.13.1. Operational Check | 7 | | | | | | | - | - | - | - |
| 10.8.5.13.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 10.8.5.14. Transmitter, Any Band TR: TO 12P3-ALQ161-*, 33D7-50-1313-1 | | | | | | | | | | | |
| 10.8.5.14.1. Operational Check | | | | | | | | - | - | - | - |
| 10.8.5.14.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 10.8.5.15. Tail Warning Function (TWF) Receiver/Processor TR: TOs 12P3-2ALQ161-142, 12P3-2ALQ161-148-1, 33D7-50-1820-1 | | | | | | | | | | | |
| 10.8.5.15.1. Operational Check | 7 | | | | | | | - | - | - | - |
| 10.8.5.15.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 10.8.5.16. Waveform Generator TR: TO 12P3-2ALQ161-222, 12P3-2ALQ161-228-1, 33D7-50-1233-1 | | | | | | | | | | | |
| 10.8.5.16.1. Operational Check | | | | | | | | - | - | - | - |
| 10.8.5.16.2. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 10.9. UPGRADED SYSTEMS TEST BENCH (USTB) TR: TO 33D7-44 | | | | | | | | | | | |
| 10.9.1. Theory of Operation | | | | | | | | - | A | - | - |
| 10.9.2. Operate Test Station | 5 | | | | | | | - | - | - | - |
| 10.9.3. USTB Tests | | | | | | | | | | | |
| 10.9.3.1. Perform Confidence | | | | | | | | - | - | - | - |
| 10.9.3.2. Perform Self-test | 5 | | | | | | | - | - | - | - |
| 10.9.4. Perform Inspections | | | | | | | | - | - | - | - |
| 10.9.5. Isolate/Repair Malfunctions | 7 | | | | | | | - | - | - | - |
| 10.9.6. Software Procedures | | | | | | | | - | - | - | - |
| 10.9.7. USTB LRU Maintenance | | | | | | | | | | | |
| 10.9.7.1. Radar Target Indicator (RTI) TR: TO 12P1-4-29-2 | | | | | | | | | | | |
| 10.9.7.1.1. Perform Operational Testing | 5 | | | | | | | - | - | - | - |
| 10.9.7.1.2. Troubleshoot and Repair | 5 | | | | | | | - | - | - | - |
| 10.9.7.2. Radar Set Antenna (RSA) TR: TO 12P1-4-30-2 | | | | | | | | | | | |
| 10.9.7.2.1. Perform Operational Testing | 5 | | | | | | | - | - | - | - |
| 10.9.7.2.2. Troubleshoot and Repair | 5 | | | | | | | - | - | - | - |

B-1 TRAINING REQUIREMENTS

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (See Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And Technical References** | Core/Cert\ | Deployment */SE1 + / CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 10.9.7.3. Radar Signal Processor (RSP)/Common Receiver Processor (CoRP) TR: TO 12P1-4-31-2 | | | | | | | | | | | |
| 10.9.7.3.1. Perform Operational Testing | 5 | | | | | | | - | - | - | - |
| 10.9.7.3.2. Troubleshoot and Repair | 5 | | | | | | | - | - | - | - |
| 10.9.7.4. Radar Receiver Transmitter (RRT)/Modular Receiver Exciter (MoRE) TR: TO 12P1-4-32-2 | | | | | | | | | | | |
| 10.9.7.4.1. Perform Operational Testing | 5 | | | | | | | - | - | - | - |
| 10.9.7.4.2. Troubleshoot and Repair | 5 | | | | | | | - | - | - | - |
| 10.9.7.5. Radar Transmitter (RT) TR: TO 12P1-4-33-2 | | | | | | | | | | | |
| 10.9.7.5.1. Perform Operational Testing | 5 | | | | | | | - | - | - | - |
| 10.9.7.5.2. Troubleshoot and Repair | 5 | | | | | | | - | - | - | - |
| 10.9.7.6. Radar Video Signal Processor (RVSP) TR: TO 12P1-4-34-2 | | | | | | | | | | | |
| 10.9.7.6.1. Perform Operational Testing | 5 | | | | | | | - | - | - | - |
| 10.9.7.6.2. Troubleshoot and Repair | 5 | | | | | | | - | - | - | - |
| 10.10. B-1 IATE SUPPORT EQUIPMENT TR: TO 35D29-5-6-1, 33D7-44-379-WA-1, 33D7-44-379-WA-11, 33DA21-494-1, 33DA43-35-1, 33DA102-18-1, 33D5-8-129-1, 35D3-11-104, 42B5-1-2, 35D3-42-2-1, 36-1-58 | | | | | | | | | | | |
| 10.10.1. Oil Cooling Cart | | | | | | | | | | | |
| 10.10.1.1. Theory of Operation | | | | | | | | - | B | - | - |
| 10.10.1.2. Operate | 5 | | | | | | | - | - | - | - |
| 10.10.1.3. Repair | | | | | | | | - | - | - | - |
| 10.10.1.4. Perform Inspections | 5 | | | | | | | - | - | - | - |
| 10.10.2. LRU Handling Fixture | | | | | | | | | | | |
| 10.10.2.1. Operate | 5 | | | | | | | - | - | - | - |
| 10.10.2.2. Perform Inspections | 5 | | | | | | | - | - | - | - |
| 10.10.3. Calorimeter | | | | | | | | | | | |
| 10.10.3.1. Operate | | | | | | | | - | - | - | - |
| 10.10.3.2. Repair | | | | | | | | - | - | - | - |
| 10.10.3.3. Perform Inspections | | | | | | | | - | - | - | - |

B-1 TRAINING REQUIREMENTS

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (See Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And Technical References** | Core/Cert^ | Deployment */SE! +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 10.10.4. Pressure Tester | | | | | | | | | | | |
| 10.10.4.1. Operate | | | | | | | | - | - | - | - |
| 10.10.4.2. Repair | | | | | | | | - | - | - | - |
| 10.10.4.3. Perform Inspections | | | | | | | | - | - | - | - |
| 10.10.5. Radiation Monitor | | | | | | | | | | | |
| 10.10.5.1. Operate | | | | | | | | - | - | - | - |
| 10.10.5.2. Perform Inspections | | | | | | | | - | - | - | - |
| 10.10.6. Nitrogen Cart | | | | | | | | | | | |
| 10.10.6.1. Operate | | | | | | | | - | - | - | - |
| 10.10.6.2. Repair | | | | | | | | - | - | - | - |
| 10.10.6.3. Perform Inspections | | | | | | | | - | - | - | - |
| 10.10.7. Lifting Dolly | | | | | | | | | | | |
| 10.10.7.1. Operate | | | | | | | | - | - | - | - |
| 10.10.7.2. Repair | | | | | | | | - | - | - | - |
| 10.10.7.3. Perform Inspections | | | | | | | | - | - | - | - |
| 10.10.8. Micro Circuit Programmer | | | | | | | | | | | |
| 10.10.8.1. Operate | | | | | | | | - | - | - | - |
| 10.10.9. Environmental Chamber/Laboratory Oven | | | | | | | | | | | |
| 10.10.9.1. Operate | | | | | | | | - | - | - | - |
| 10.10.10. RF Roll Up Amp | | | | | | | | | | | |
| 10.10.10.1. Operate | | | | | | | | - | - | - | - |

F-15 TRAINING REQUIREMENTS

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (See Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And Technical References** | Core/Cert\ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| **Note 1:** Proficiency codes in column 4A identify the task/knowledge requirement for resident training. When two codes are used (e.g., 2b/b), the second code indications the level of training provided in the course due to equipment shortages or other constraints; dash (e.g., 2b/-) indicates the item will not be trained until the constraint is eliminated. | | | | | | | | | | | |
| 11. ATTACHMENT 11, F-15 TRAINING REQUIREMENTS | | | | | | | | | | | |
| 11.1. COMMON MANUAL SYSTEMS | | | | | | | | | | | |
| 11.1.1. Communication Systems | | | | | | | | | | | |
| 11.1.1.1. UHF | | | | | | | | | | | |
| 11.1.1.1.1. UHF System (AN/ARC164(C)) | | | | | | | | | | | |
| 11.1.1.1.1.1. Radio Test Set | | | | | | | | | | | |
| 11.1.1.1.1.1.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.1.1.1.1.1.2. Operate | | | | | | | | - | - | - | - |
| 11.1.1.1.1.1.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 11.1.1.1.1.2. UHF R/T TR: TOs 12R2-2ARC164-Series | | | | | | | | | | | |
| 11.1.1.1.1.2.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.1.1.1.1.2.2. Perform Maintenance Testing | | | | | | | | - | - | - | - |
| 11.1.1.1.1.2.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 11.1.1.1.1.3. Radio Set Control TR: TOs 12R2-2ARC164-32, 12R2-2ARC164-92 | | | | | | | | | | | |
| 11.1.1.1.1.3.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.1.1.1.1.3.2. Perform Maintenance Testing | | | | | | | | - | - | - | - |
| 11.1.1.1.1.3.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 11.1.1.1.1.4. Channel Frequency Indicator TR: TO 12R2-2ARC164-32 | | | | | | | | | | | |
| 11.1.1.1.1.4.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.1.1.1.1.4.2. Performance Maintenance Testing | | | | | | | | - | - | - | - |
| 11.1.1.1.1.4.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 11.2. MOBILE ELECTRONIC TEST SET (METS) TR:TOs AT-822VB-MEB Series, 33D7-17-80-1, 33D7-38-254-1 | | | | | | | | | | | |
| 11.2.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.2.2. Troubleshoot/Repair Station Malfunctions | | | | | | | | - | - | - | - |

F-15 TRAINING REQUIREMENTS

| 1. Tasks, Knowledge And Technical References | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (See Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Core/Cert\ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 11.2.3. Signal Flow Within and Between Peculiar TRUs TR: TO 33D7-68-37-2, 33AA41-10-2, 33D7-17-80-1 | | | | | | | | | | | |
| 11.2.3.1. Converter Interface (CI) | | | | | | | | - | - | - | - |
| 11.2.4. Perform Self-test | | | | | | | | - | - | - | - |
| 11.2.5. Level Rate-of-turn Table | | | | | | | | - | - | - | - |
| 11.2.6. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 11.2.7. Perform Required Inspections | | | | | | | | - | - | - | - |
| 11.2.8. LRUs Assigned to the METS | | | | | | | | | | | |
| 11.2.8.1. AAI R/T TR: TO 12P4-2APX76-8-1 | | | | | | | | | | | |
| 11.2.8.1.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.2.8.1.2. Operational Check | | | | | | | | - | - | - | - |
| 11.2.8.1.3. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 11.2.8.2. Air Data Computer (ADC) TR: TO 12P4-2APX76-8-1 | | | | | | | | | | | |
| 11.2.8.2.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.2.8.2.2. Operational Check | | | | | | | | - | - | - | - |
| 11.2.8.3. Automatic Direction Finder Electronic Control Amplifier (ADF ECA) TR:TO 12R5-2ARD-108-1 | | | | | | | | | | | |
| 11.2.8.3.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.2.8.3.2. Operational Check | | | | | | | | - | - | - | - |
| 11.2.8.3.3. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 11.2.8.4. Avionic Interface Unit (AIU) #1 TR: TO 11F1-ASQ195-8-1 | | | | | | | | | | | |
| 11.2.8.4.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.2.8.4.2. Operational Check | | | | | | | | - | - | - | - |
| 11.2.8.4.3. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 11.2.8.5. Avionic Interface Unit (AIU) #2 TR:TO 11F1-ASQ195-28-1 | | | | | | | | | | | |
| 11.2.8.5.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.2.8.5.2. Operational Check | | | | | | | | - | - | - | - |
| 11.2.8.5.3. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 11.2.8.6. Electronic Air Inlet Controller (EAIC) TR: TO 5F28-2-8-19 | | | | | | | | | | | |
| 11.2.8.6.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.2.8.6.2. Operational Check | | | | | | | | - | - | - | - |
| 11.2.8.6.3. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 11.2.8.7. Electronic Linear Accelerometer (ELA) TR: TO 5F2-32-8-2 | | | | | | | | | | | |
| 11.2.8.7.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.2.8.7.2. Operational Check | | | | | | | | - | - | - | - |
| 11.2.8.7.3. Troubleshoot/Repair | | | | | | | | - | - | - | - |

F-15 TRAINING REQUIREMENTS

| 1. Tasks, Knowledge And Technical References | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (See Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Core/Cert^ | Deployment */SEI + / CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 11.2.8.8. Engine Monitor Display (EMD) TR: TO 5E1-2-14-8-1 | | | | | | | | | | | |
| 11.2.8.8.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.2.8.8.2. Operational Check | | | | | | | | - | - | - | - |
| 11.2.8.8.3. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 11.2.8.9. Flight Control Computer (FCC) TR: TO 5A7-3-43-8-1 | | | | | | | | | | | |
| 11.2.8.9.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.2.8.9.2. Operational Check | | | | | | | | - | - | - | - |
| 11.2.8.9.3. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 11.2.8.10. Identification Friend or Foe (IFF) Transponder TR: TO 12P4-2APX101-8-18 | | | | | | | | | | | |
| 11.2.8.10.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.2.8.10.2. Operational Check | | | | | | | | - | - | - | - |
| 11.2.8.10.3. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 11.2.8.11. Instrument Landing System (ILS)Receiver TR: TO 12R5-2ARN-427-3 | | | | | | | | | | | |
| 11.2.8.11.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.2.8.11.2. Operational Check | | | | | | | | - | - | - | - |
| 11.2.8.11.3. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 11.2.8.12. Instrument Landing System (ILS) Test Set TR: TO 33A1-3-473-8-1 | | | | | | | | | | | |
| 11.2.8.12.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.2.8.12.2. Operational Check | | | | | | | | - | - | - | - |
| 11.2.8.12.3. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 11.2.8.13. Intercommunications Set (ICSCP) TR: TO 12R2-4-280-8-1 | | | | | | | | | | | |
| 11.2.8.13.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.2.8.13.2. Operational Check | | | | | | | | - | - | - | - |
| 11.2.8.13.3. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 11.2.8.14. Upfront Control Panel (UFCP) TR: TO 12R5-4-222-8-1 | | | | | | | | | | | |
| 11.2.8.14.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.2.8.14.2. Operational Check | | | | | | | | - | - | - | - |
| 11.2.8.14.3. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 11.3. ANTENNA TEST STATION TR: TOs 33-1-161, 33D7-35-39-1, 33D7-35-39-2 | | | | | | | | | | | |
| 11.3.1. Signal Flow Within and Between Peculiar TRUs | | | | | | | | | | | |

F-15 TRAINING REQUIREMENTS

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (See Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And Technical References** | Core/Cert^ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 11.3.1.1. Antenna "A" Test Station TR: TO 33A1-8-718-1, 33A1-12-643-1, 33D7-10-79-1, 33D7-10-153-1 | | | | | | | | | | | |
| 11.3.1.1.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.3.1.1.2. Troubleshoot/Repair Station Malfunctions | | | | | | | | - | - | - | - |
| 11.3.1.1.3. Antenna Power Supply | | | | | | | | - | - | - | - |
| 11.3.1.1.4. Low Voltage Power Supply (LVPS) Primary Power Control Panel | | | | | | | | - | - | - | - |
| 11.3.1.1.5. Variable Transformer Panel | | | | | | | | - | - | - | - |
| 11.3.1.1.6. Power Supply Assembly | | | | | | | | - | - | - | - |
| 11.3.1.1.7. LVPS Control and Display Panel | | | | | | | | - | - | - | - |
| 11.3.1.1.8. Impedance Units 1 and 2 | | | | | | | | - | - | - | - |
| 11.3.1.1.9. Antenna Control and Display Panel | | | | | | | | - | - | - | - |
| 11.3.1.1.10. Hydraulic Power Supply | | | | | | | | - | - | - | - |
| 11.3.1.1.11. Hydraulic Control Panel | | | | | | | | - | - | - | - |
| 11.3.1.1.12. Servo Command Signal Generator | | | | | | | | - | - | - | - |
| 11.3.1.1.13. X and L Band Signal Generator | | | | | | | | - | - | - | - |
| 11.3.1.1.14. RMS Volt Meter | | | | | | | | - | - | - | - |
| 11.3.1.1.15. LRU Blower Panel | | | | | | | | - | - | - | - |
| 11.3.1.1.16. Transfer Function Analyzer | | | | | | | | - | - | - | - |
| 11.3.1.1.17. Nitrogen Supply | | | | | | | | - | - | - | - |
| 11.3.1.1.18. Hydraulic Flow Through and Between Applicable TRUs | | | | | | | | - | - | - | - |
| 11.3.1.1.19. Antenna Mounting Fixture (AMF) | | | | | | | | | | | |
| 11.3.1.1.19.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.3.1.1.19.2. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 11.3.1.1.19.3. Operate | 5 | | | | | | | - | - | - | - |
| 11.3.1.1.20. ANTENNA LRU TR: TOs 12P2-2APG63 Series | | | | | | | | | | | |
| 11.3.1.1.20.1. Low Voltage Power Supply | | | | | | | | | | | |
| 11.3.1.1.20.1.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.3.1.1.20.1.2. Operational Check | | | | | | | | - | - | - | - |
| 11.3.1.1.20.1.3. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 11.3.1.1.20.1.4. Remove/Install SRUS | | | | | | | | - | - | - | - |
| 11.3.1.1.20.2. Radar Antenna (031) | | | | | | | | | | | |
| 11.3.1.1.20.2.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.3.1.1.20.2.2. Operational Check | 5 | | | | | | | - | - | - | - |
| 11.3.1.1.20.2.3. Troubleshoot/Repair | 5 | | | | | | | - | - | - | - |
| 11.3.1.1.20.2.4. Remove/Install SRUs | 5 | | | | | | | - | - | - | - |

F-15 TRAINING REQUIREMENTS

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (See Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And Technical References** | Core/Cert^ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 11.3.1.2. Antenna "B" Test Station TR: TO 33D7-10- 85-1, 33D7-10-76-1, 33A1-8-719-1, 33A1-8-720-1 | | | | | | | | | | | |
| 11.3.1.2.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.3.1.2.2. Troubleshoot/Repair Station Malfunctions | | | | | | | | - | - | - | - |
| 11.3.1.2.3. Transmitter Power Supply | | | | | | | | - | - | - | - |
| 11.3.1.2.4. Transmitter Primary Power Control Panel | | | | | | | | - | - | - | - |
| 11.3.1.2.5. Transmitter Control and Display Panel | | | | | | | | - | - | - | - |
| 11.3.1.2.6. Transmitter Mounting Fixture | | | | | | | | - | - | - | - |
| 11.3.1.2.7. Commercial Coolant Processing Unit (CCPU)/Coolant Conditioning Unit(CCU) | | | | | | | | - | - | - | - |
| 11.3.1.2.8. Noise Analyzer | | | | | | | | - | - | - | - |
| 11.3.1.2.9. High Frequency Spectrum Analyzer | | | | | | | | - | - | - | - |
| 11.3.1.2.10. Transmitter Pulse Generator | | | | | | | | - | - | - | - |
| 11.3.1.2.11. Microwave Signal Generator | | | | | | | | - | - | - | - |
| 11.3.1.2.12. Coolant Flow Through and Between Applicable TRUs | | | | | | | | - | - | - | - |
| 11.3.1.2.13. ANTENNA LRUs TR: TOs 12P2-2APG63 Series | | | | | | | | | | | |
| 11.3.1.2.13.1. Radar Transmitter (011) | | | | | | | | | | | |
| 11.3.1.2.13.1.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.3.1.2.13.1.2. Operational Check | 5 | | | | | | | - | - | - | - |
| 11.3.1.2.13.1.3. Troubleshoot/Repair | 5 | | | | | | | - | - | - | - |
| 11.3.1.2.13.1.4. Remove/Install SRUs | 5 | | | | | | | - | - | - | - |
| 11.3.2. Perform RF Loss Correction Chart Procedures | | | | | | | | | | | |
| 11.3.2.1. Channel A | 7 | | | | | | | - | - | - | - |
| 11.3.2.2. Channel B | 7 | | | | | | | - | - | - | - |
| 11.3.3. Perform Confidence Test | 5 | | | | | | | - | - | - | - |
| 11.3.4. Perform OA/FI Test | 5 | | | | | | | - | - | - | - |
| 11.3.5. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 11.3.6. Perform Required Inspections | 5 | | | | | | | - | - | - | - |
| 11.3.7. Perform Calibration/Alignment TR: TO 33K-4-1698-15, 33K6-4-1699-15, 33K6-4-289-15, 33K-4-289-15, 33K-4-289-15 | | | | | | | | | | | |
| 11.3.7.1. Differential Pressure Gauge | | | | | | | | - | - | - | - |
| 11.3.7.2. Waveguide Interlock Test Set | | | | | | | | - | - | - | - |

F-15 TRAINING REQUIREMENTS

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (See Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And Technical References** | Core/Cert^ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 11.3.7.3. RF Interconnect Unit | | | | | | | | - | - | - | - |
| 11.3.7.4. RF Power Meter | | | | | | | | - | - | - | - |
| 11.3.7.5. Power Sensor | | | | | | | | - | - | - | - |
| 11.3.8. Commercial Coolant Processing Unit (CCPU)/Coolant Conditioning Unit (CCU) | | | | | | | | | | | |
| 11.3.8.1. Service Refrigeration | | | | | | | | - | - | - | - |
| 11.3.8.2. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 11.3.8.3. Operate | | | | | | | | - | - | - | - |
| 11.3.9. Hydraulic Power Supply (HPS)/ Commercial Hydraulic Power Supply (CHPS) | | | | | | | | | | | |
| 11.3.9.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.3.9.2. Service Hydraulic Power Supply | | | | | | | | - | - | - | - |
| 11.3.9.3. Operate | | | | | | | | - | - | - | - |
| 11.3.10. Transmitter Mounting Fixture (TMF) | | | | | | | | | | | |
| 11.3.10.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.3.10.2. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 11.3.10.3. Operate | | | | | | | | - | - | - | - |
| 11.4. ENHANCED AIRCRAFT RADAR TEST STATION (EARTS) TR: TOs 33D7-44-353-1, 33D7- 44-353-2, 33-1-161-1 | | | | | | | | | | | |
| 11.4.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.4.2. Troubleshoot/Repair Station Malfunctions | | | | | | | | - | - | - | - |
| 11.4.3. Theory of Operation Channel A/Channel B TR: TO 33D7-44-353-2 | | | | | | | | | | | |
| 11.4.3.1. Principles of Operation TR: TOs 33D7-44-353-2, 33D7-44-353-2, 33K4-4-604- 15 | | | | | | | | | | | |
| 11.4.3.1.1. Antenna Mounting Fixture | | | | | | | | - | - | - | - |
| 11.4.3.1.2. Signal flow Within and Between Peculiar TRUs | | | | | | | | - | - | - | - |
| 11.4.3.1.3. Coolant Flow Within and Between Peculiar TRUs | | | | | | | | - | - | - | - |
| 11.4.3.1.4. Hydraulic Flow Within and Between Peculiar TRUs | | | | | | | | - | - | - | - |
| 11.4.4. Perform Required Inspections | | | | | | | | - | - | - | - |
| 11.4.5. Perform TMF Path Loss Compensation | | | | | | | | - | - | - | - |

F-15 TRAINING REQUIREMENTS

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (See Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And Technical References** | Core/Cert^ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 11.4.6. Perform Calibration/Alignment TR: TO 33K-4-1698-15, TO 33K6-4-1699-15, TO33K3-4-3099-15, TO 33K3-4-3098-15 | | | | | | | | | | | |
| 11.4.6.1. Differential Pressure Gauge | | | | | | | | - | - | - | - |
| 11.4.6.2. Waveguide Interlock Test Set | | | | | | | | - | - | - | - |
| 11.4.6.3. Pulse Generator | | | | | | | | - | - | - | - |
| 11.4.6.4. 116 MHZ Clock | | | | | | | | - | - | - | - |
| 11.4.7. Commercial Coolant Processing Unit (CCPU) | | | | | | | | | | | |
| 11.4.7.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.4.7.2. Operate | | | | | | | | - | - | - | - |
| 11.4.7.3. Service Coolant | | | | | | | | - | - | - | - |
| 11.4.7.4. Service Refrigeration | | | | | | | | - | - | - | - |
| 11.4.7.5. Troubleshoot/Repair EARTS Coolant Processing Units | | | | | | | | - | - | - | - |
| 11.4.8. Commercial Hydraulic Power Supply (CHPS) | | | | | | | | | | | |
| 11.4.8.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.4.8.2. Service CHPS | | | | | | | | - | - | - | - |
| 11.4.8.3. Operate | | | | | | | | - | - | - | - |
| 11.4.9. Transmitter Mounting Fixture (TMF) | | | | | | | | | | | |
| 11.4.9.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.4.9.2. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 11.4.9.3. Operate | | | | | | | | - | - | - | - |
| 11.4.10. Antenna Mounting Fixture (AMF) | | | | | | | | | | | |
| 11.4.10.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.4.10.2. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 11.4.10.3. Operate | | | | | | | | - | - | - | - |
| 11.4.11. EARTS Software TR: TO 33D7-44-353-18-1, 33D7-44-353-18-1, 33-1-161-1, 33D7-44-353-11, 33D7-44-353-18-1, 33D7-44-353-8-2, 33D7-44-353-8-4, 33D7-44-353-8-3 | | | | | | | | | | | |
| 11.4.11.1. Operation | | | | | | | | - | - | - | - |
| 11.4.11.2. Station Software Boot | | | | | | | | - | - | - | - |
| 11.4.11.3. Test Program Selector/Loader (TPSL) Menu | | | | | | | | - | - | - | - |
| 11.4.11.4. Test Program Execution Modes | | | | | | | | - | - | - | - |
| 11.4.11.5. Diskette System Build Procedure | | | | | | | | - | - | - | - |
| 11.4.12. Test Program Language | | | | | | | | - | - | - | - |
| 11.4.13. Use ARTS Maintenance Support System (AMSS Laptop) | | | | | | | | - | - | - | - |

F-15 TRAINING REQUIREMENTS

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (See Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And Technical References** | Core/Cert^ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 11.4.14. Perform Channel A Network Analyzer Calibration Procedure | | | | | | | | - | - | - | - |
| 11.4.15. Perform Confidence Tests on Channel A | | | | | | | | - | - | - | - |
| 11.4.16. Perform Confidence Tests on Channel B | | | | | | | | - | - | - | - |
| 11.4.17. Perform OA/FI Tests on Channel A | | | | | | | | - | - | - | - |
| 11.4.18. Perform OA/FI Tests on Channel B | | | | | | | | - | - | - | - |
| 11.5. EARTS LRU TR: TOs 12P2-2APG63 Series, 12P2-2APG70 Series | | | | | | | | | | | |
| 11.5.1. Low Voltage Power Supply | | | | | | | | | | | |
| 11.5.1.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.5.1.2. Operational Check | | | | | | | | - | - | - | - |
| 11.5.1.3. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 11.5.1.4. Remove/Install SRUs | | | | | | | | - | - | - | - |
| 11.5.2. Radar Antenna (031) | | | | | | | | | | | |
| 11.5.2.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.5.2.2. Operational Check | | | | | | | | - | - | - | - |
| 11.5.2.3. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 11.5.2.4. Remove/Install SRUs | | | | | | | | - | - | - | - |
| 11.5.3. Radar Transmitter | | | | | | | | | | | |
| 11.5.3.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.5.3.2. Operational Check | | | | | | | | - | - | - | - |
| 11.5.3.3. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 11.5.3.4. Remove/Install SRUs | | | | | | | | - | - | - | - |
| 11.6. TACTICAL ELECTRONIC WARFARE SYSTEM (TEWS) INTERMEDIATE SUPPORT SYSTEM (TISS) TR: TOs 33D7-33-217-1, 33D7-33-219-1, 33D7-33-224-1, 33D7-33-225-1, 33D7-33-226-1, 33D7-33-228-1, 33D7-33-229-1, 33D7-38-2 | | | | | | | | | | | |
| 11.6.1. Theory of Operation | | | | | | | | A | - | - | - |
| 11.6.2. Troubleshoot/Repair Station Malfunctions | | | | | | | | - | - | - | - |
| 11.6.3. Signal Flow Within and Between Peculiar TRUs | | | | | | | | | | | |
| 11.6.3.1. Power Distribution Subsystem | | | | | | | | A | - | - | - |
| 11.6.3.2. Computer Assembly | | | | | | | | - | - | - | - |
| 11.6.3.3. General Purpose Interface Test Module (GPITM) | | | | | | | | A | A | - | - |
| 11.6.3.4. SDA/MDA | | | | | | | | A | B | - | - |
| 11.6.3.5. Load Cart Assemblies | | | | | | | | - | - | - | - |

F-15 TRAINING REQUIREMENTS

| 1. Tasks, Knowledge And Technical References | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (See Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Core/Cert\ | Deployment */SEI + / CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 11.6.4. Modular Automatic Test Equipment (MATE) Software | | | | | | | | | | | |
| 11.6.4.1. TISS MATE Operating System (MS-DOS) | | | | | | | | - | - | - | - |
| 11.6.4.2. Utilize MATE Test Executive (MTE) | 5 | | | | | | | - | - | - | - |
| 11.6.5. Perform | | | | | | | | | | | |
| 11.6.5.1. Confidence (CNF) Test/Internal Self-test (IST) | 5 | | | | | | | 2b | - | - | - |
| 11.6.5.2. Confidence Performance Diagnostics (CPD) | 5 | | | | | | | - | - | - | - |
| 11.6.5.3. PLC | 5 | | | | | | | 2b | - | - | - |
| 11.6.5.4. 180-Day Calibration | 7 | | | | | | | - | - | - | - |
| 11.6.5.5. Software Maintenance | | | | | | | | - | - | - | - |
| 11.6.6. Isolate/Repair RF Console Malfunctions | | | | | | | | - | - | - | - |
| 11.6.7. Perform Required Inspections | 5 | | | | | | | - | - | - | - |
| 11.6.8. Use TISS Utility Programs | | | | | | | | | | | |
| 11.6.8.1. Bus talk | | | | | | | | - | - | - | - |
| 11.6.8.2. Signal Path Trace | 5 | | | | | | | 2b | - | - | - |
| 11.6.8.3. RF Sweep Utility | | | | | | | | 2b | - | - | - |
| 11.6.8.4. RF SDA/MDA Utility | 5 | | | | | | | 2b | - | - | - |
| 11.6.9. TISS Data Display (TDD) | | | | | | | | 2b | - | - | - |
| 11.6.10. TISS LRU/SRUs TR: TOs 1F-15A-2-99GS-00-1, 1F-15A-2-99GS-00-2 (S) | | | | | | | | | | | |
| 11.6.10.1. AN/ALR-56A/C System TR: TOs 12P3-2ALR56-18 Series, 12P3-2ALR56-22 (S), 12P3-2ALR56-38 Series, 12P3-2ALR56-78 Series, 12P3-2ALR56-98 Series, 12P3- 2ALR56-118 Series, 12P3-2ALR56-128 Series, 12P3-2ALR56-138 Series | | | | | | | | | | | |
| 11.6.10.1.1. TEWS Display (LRU- 9A) | | | | | | | | | | | |
| 11.6.10.1.1.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.6.10.1.1.2. Operational Check | | | | | | | | - | - | - | - |
| 11.6.10.1.1.3. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 11.6.10.1.1.4. Remove/Install SRUs | | | | | | | | - | - | - | - |
| 11.6.10.1.2. Low-Band Receiver/(LRU-3C) | | | | | | | | | | | |
| 11.6.10.1.2.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.6.10.1.2.2. Operational Check | 5 | | | | | | | 2b | - | - | - |
| 11.6.10.1.2.3. Troubleshoot/Repair | 5 | | | | | | | - | - | - | - |
| 11.6.10.1.2.4. Remove/Install SRUs | 5 | | | | | | | - | - | - | - |

F-15 TRAINING REQUIREMENTS

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (See Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And Technical References** | Core/Cert^ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 11.6.10.1.3. High-Band Receiver (LRU-6C) | | | | | | | | | | | |
| 11.6.10.1.3.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.6.10.1.3.2. Operational Check | 5 | | | | | | | - | - | - | - |
| 11.6.10.1.3.3. Troubleshoot/Repair | 5 | | | | | | | - | - | - | - |
| 11.6.10.1.3.4. Remove/Install SRUs | 5 | | | | | | | - | - | - | - |
| 11.6.10.1.4. Power Supply Processor (LRU-2C) TR: TO 12P3-2ALR56-128-2 | | | | | | | | | | | |
| 11.6.10.1.4.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.6.10.1.4.2. Operational Check | 5 | | | | | | | - | - | - | - |
| 11.6.10.1.4.3. Troubleshoot/Repair | 5 | | | | | | | - | - | - | - |
| 11.6.10.1.4.4. Program/Reprogram | 5 | | | | | | | - | - | - | - |
| 11.6.10.1.4.5. Remove/Install SRUs | 5 | | | | | | | - | - | - | - |
| 11.6.10.2. AN/ALQ-128 System Receiver/ Transmitter (LRU-201) TR: TOs12P3-2ALQ128-2 (S), 12P3-2ALQ128-48 Series | | | | | | | | | | | |
| 11.6.10.2.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.6.10.2.2. Operational Check | | | | | | | | - | - | - | - |
| 11.6.10.2.3. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 11.6.10.2.4. Remove/Install SRUs | | | | | | | | - | - | - | - |
| 11.7. AN/GSM-397 ELECTRONIC SYSTEMS TEST SET (ESTS) TR: 33D7-38-305 Series, 33D7-38-305 Series | | | | | | | | | | | |
| 11.7.1. Theory of Operation | | | | | | | | A | - | - | - |
| 11.7.2. Troubleshoot/Repair Station Malfunctions | | | | | | | | - | - | - | - |
| 11.7.3. Station Configuration | | | | | | | | | | | |
| 11.7.3.1. A1 Assembly - CNTS/RFG1 | | | | | | | | A | A | - | - |
| 11.7.3.2. A2 Assembly - ASA | | | | | | | | A | A | - | - |
| 11.7.3.3. A3 Assembly - AC Power Supplies | | | | | | | | A | A | - | - |
| 11.7.3.4. A4 Assembly - DC Power Supplies | | | | | | | | A | A | - | - |
| 11.7.3.5. A5 Assembly - RF VXI | | | | | | | | A | A | - | - |
| 11.7.3.6. A6 Assembly - STIM/RESP VXI No. 1 | | | | | | | | A | A | - | - |
| 11.7.3.7. A7 Assembly - STIM/RESP VXI No. 2 | | | | | | | | A | A | - | - |
| 11.7.3.8. A8 Assembly - Power/Control Unit | | | | | | | | A | A | - | - |
| 11.7.3.9. A9 Assembly - System Controller | | | | | | | | A | A | - | - |
| 11.7.3.10. System Interconnect Assemblies (A10/11/12) | | | | | | | | A | A | - | - |
| 11.7.4. Theory of Operation | | | | | | | | | | | |
| 11.7.4.1. System Controller | | | | | | | | - | A | - | - |
| 11.7.4.2. VXI Chassis | | | | | | | | - | A | - | - |

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (See Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And Technical References** | Core/Cert^ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 11.7.4.3. AC Power Equipment Assembly | | | | | | | | - | A | - | - |
| 11.7.4.4. DC Power Equipment Assembly | | | | | | | | - | A | - | - |
| 11.7.4.5. RF Equipment Assemblies | | | | | | | | - | A | - | - |
| 11.7.5. Station Signal Flow | | | | | | | | | | | |
| 11.7.5.1. Trace Signal Path | | | | | | | | - | - | - | - |
| 11.7.5.1.1. Power Path | | | | | | | | - | - | - | - |
| 11.7.5.1.2. MXI Bus Path | | | | | | | | - | - | - | - |
| 11.7.5.1.3. IEEE Bus Path | | | | | | | | - | - | - | - |
| 11.7.5.1.4. RF Path | | | | | | | | - | - | - | - |
| 11.7.6. Station Operation | | | | | | | | | | | |
| 11.7.6.1. Use ESTS Menu System | 5 | | | | | | | - | - | - | - |
| 11.7.6.2. Load Operating System | | | | | | | | - | - | - | - |
| 11.7.6.3. Load TPS | | | | | | | | - | - | - | - |
| 11.7.6.4. Perform Confidence Test | | | | | | | | - | - | - | - |
| 11.7.6.5. Station Calibration | 7 | | | | | | | - | - | - | - |
| 11.7.6.6. Fault Isolation/Detection | 5 | | | | | | | - | - | - | - |
| 11.7.6.7. Perform Required Inspections | 5 | | | | | | | - | - | - | - |
| 11.7.6.8. Optical Measurement System (OMS) | | | | | | | | | | | |
| 11.7.6.8.1. Perform Calibration | 7 | | | | | | | - | - | - | - |
| 11.7.6.9. Rate Table TR: TO 33D7-50-2210-3 (MI), 33D7-50-2210-8-1 (OTP) | | | | | | | | | | | |
| 11.7.6.9.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.7.6.9.2. Operation Check | | | | | | | | - | - | - | - |
| 11.7.7. ESTS LRU TR: TOs 1F-15A-2-99GS-00-1, 1F-15A-2-99GS-00-2 (S) | | | | | | | | | | | |
| 11.7.7.1. Multipurpose Display Processor (MPDP) TR: TOs 11F47-13-14-8-20, 11F47-13-14- 2 | | | | | | | | | | | |
| 11.7.7.1.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.7.7.1.2. Operational Check | | | | | | | | - | - | - | - |
| 11.7.7.1.3. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 11.7.7.1.4. Remove/Install SRUs | | | | | | | | - | - | - | - |
| 11.7.7.2. Analog to Digital Converter (038) TR: TOs 12P2- 2APG70-48-37, 12P2-2APG70-42 | | | | | | | | | | | |
| 11.7.7.2.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.7.7.2.2. Operational Check | | | | | | | | - | - | - | - |
| 11.7.7.2.3. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 11.7.7.2.4. Remove/Install SRUs | | | | | | | | - | - | - | - |

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (See Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And Technical References** | Core/Cert^ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 11.7.7.3. Radio Frequency Oscillator (RFO) TR: TOs 12P2-2APG63-78-10, 12P2-APG63-72 | | | | | | | | | | | |
| 11.7.7.3.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.7.7.3.2. Operational Check | | | | | | | | - | - | - | - |
| 11.7.7.3.3. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 11.7.7.3.4. Remove/Install SRUs | | | | | | | | - | - | - | - |
| 11.7.7.4. Multipurpose Display Unit (MPD) TR: TO 11F47-13-15-8-8, 11F47-13-15-2 | | | | | | | | | | | |
| 11.7.7.4.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.7.7.4.2. Operational Check | 5 | | | | | | | - | - | - | - |
| 11.7.7.4.3. Troubleshoot/Repair | 5 | | | | | | | - | - | - | - |
| 11.7.7.4.4. Remove/Install SRUs | 5 | | | | | | | - | - | - | - |
| 11.7.7.5. Radar Receiver (022) TR: TO 12P2-2APG63-18-10, 12P2-2APG63-12 | | | | | | | | | | | |
| 11.7.7.5.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.7.7.5.2. Operational Check | | | | | | | | - | - | - | - |
| 11.7.7.5.3. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 11.7.7.5.4. Remove/Install SRUs | | | | | | | | - | - | - | - |
| 11.7.7.6. Head Up Display (HUD) TR: TO 5N29-8-28-11, 5N29-8-2 **(NOTE: Units thatpossess the C-HUD and Wide Field of View HUD only qualify on one for upgrade to 5 or 7level.)** | | | | | | | | | | | |
| 11.7.7.6.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.7.7.6.2. Operational Check | 5 | | | | | | | - | - | - | - |
| 11.7.7.6.3. Troubleshoot/Repair | 5 | | | | | | | - | - | - | - |
| 11.7.7.6.4. Remove/Install SRUs | 5 | | | | | | | - | - | - | - |
| 11.7.7.7. Wide Field of View HUD TR: TO 5N29-18-20, 5N29-18-2 **(NOTE: Units that possess the C-HUD and Wide Field of View HUD only qualify on one for upgrade to 5 or 7 level.)** | | | | | | | | | | | |
| 11.7.7.7.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.7.7.7.2. Operational Check | 5 | | | | | | | - | - | - | - |
| 11.7.7.7.3. Troubleshoot/Repair | 5 | | | | | | | - | - | - | - |
| 11.7.7.7.4. Remove/Install SRUs | 5 | | | | | | | - | - | - | - |
| 11.7.7.8. Radar Receiver Exciter (025) TR: TO 12P2-2APG70-8-13, 12P2-2APG70-2 | | | | | | | | | | | |
| 11.7.7.8.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.7.7.8.2. Operational Check | | | | | | | | - | - | - | - |
| 11.7.7.8.3. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 11.7.7.8.4. Remove/Install SRUs | | | | | | | | - | - | - | - |

F-15 TRAINING REQUIREMENTS

| 1. Tasks, Knowledge And Technical References | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (See Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Core/Cert^ | Deployment */SEI + / CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 11.7.7.9. Air Data Computer (ADC) TR: TO 5F5-4-25-8-20, 5F5-4-25-2 | | | | | | | | | | | |
| 11.7.7.9.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.7.7.9.2. Operational Check | | | | | | | | - | - | - | - |
| 11.7.7.9.3. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 11.7.7.9.4. Remove/Install SRUs | | | | | | | | - | - | - | - |
| 11.7.7.10. Analog Radar Target Data Processor (039) TR: TO 12P2-2APG63-58-11, 12P2-2APG63-52 | | | | | | | | | | | |
| 11.7.7.10.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.7.7.10.2. Operational Check | | | | | | | | - | - | - | - |
| 11.7.7.10.3. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 11.7.7.10.4. Remove/Install SRUs | | | | | | | | - | - | - | - |
| 11.7.7.11. Digital Radar Processor (044) TR: TO 12P2- 2APG70-38-14, 12P2-2APG70-32 | | | | | | | | | | | |
| 11.7.7.11.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.7.7.11.2. Operational Check | | | | | | | | - | - | - | - |
| 11.7.7.11.3. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 11.7.7.11.4. Remove/Install SRUs | | | | | | | | - | - | - | - |
| 11.7.7.12. Radar Data Processor (081) TR: TO 12P2-2APG63-38-54, 12P2-2APG63-32 | | | | | | | | | | | |
| 11.7.7.12.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.7.7.12.2. Operational Check | | | | | | | | - | - | - | - |
| 11.7.7.12.3. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 11.7.7.12.4. Program/Re-program | | | | | | | | - | - | - | - |
| 11.7.7.12.5. Remove/Install SRUs | | | | | | | | - | - | - | - |
| 11.7.7.13. Radar Data Processor (082) TR: TO 12P2-2APG70-28-13, 12P2-2APG70-22 | | | | | | | | | | | |
| 11.7.7.13.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.7.7.13.2. Operational Check | | | | | | | | - | - | - | - |
| 11.7.7.13.3. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 11.7.7.13.4. Program/Re-program | | | | | | | | - | - | - | - |
| 11.7.7.13.5. Remove/Install SRUs | | | | | | | | - | - | - | - |
| 11.7.7.14. Automatic Direction Finder (ADF) Control Amp TR: TO 12R5-2ARD-108-2, 12R5-2ARD-102 | | | | | | | | | | | |
| 11.7.7.14.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.7.7.14.2. Operational Check | | | | | | | | - | - | - | - |
| 11.7.7.14.3. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 11.7.7.14.4. Remove/Install SRUs | | | | | | | | - | - | - | - |

F-15 TRAINING REQUIREMENTS

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (See Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And Technical References** | Core/Cert^ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 11.7.7.15. Avionic Interface Unit (AIU) #1 TR: TO 11F1-ASQ195-38-1, 11F1-2ASQ-95-2 | | | | | | | | | | | |
| 11.7.7.15.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.7.7.15.2. Operational Check | | | | | | | | - | - | - | - |
| 11.7.7.15.3. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 11.7.7.15.4. Program/Re-program | | | | | | | | - | - | - | - |
| 11.7.7.15.5. Remove/Install SRUs | | | | | | | | - | - | - | - |
| 11.7.7.16. Avionic Interface Unit (AIU) #2 TR: TO 11F1-ASQ195-48-1, 11F1-ASQ195-2 | | | | | | | | | | | |
| 11.7.7.16.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.7.7.16.2. Operational Check | | | | | | | | - | - | - | - |
| 11.7.7.16.3. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 11.7.7.16.4. Program/Re-program | | | | | | | | - | - | - | - |
| 11.7.7.16.5. Remove/Install SRUs | | | | | | | | - | - | - | - |
| 11.7.7.17. Air Navigational Multiple Indicator (ANMI) TR: TO 5F8-22-2-8-41, 5F8-22-3-2 | | | | | | | | | | | |
| 11.7.7.17.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.7.7.17.2. Operational Check | 5 | | | | | | | - | - | - | - |
| 11.7.7.17.3. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 11.7.7.17.4. Remove/Install SRUs | | | | | | | | - | - | - | - |
| 11.7.7.18. Bit Control Panel TR: TO 5A13-5-15-8-9, 5A13-5-15-3 | | | | | | | | | | | |
| 11.7.7.18.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.7.7.18.2. Operational Check | | | | | | | | - | - | - | - |
| 11.7.7.18.3. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 11.7.7.18.4. Remove/Install SRUs | | | | | | | | - | - | - | - |
| 11.7.7.19. Dispensing Switch Assembly (DSA) TR: TO 12P3-2ALE45-28-3, 12P3-2ALE45-2 | | | | | | | | | | | |
| 11.7.7.19.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.7.7.19.2. Operational Check | | | | | | | | - | - | - | - |
| 11.7.7.19.3. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 11.7.7.19.4. Remove/Install SRUs | | | | | | | | - | - | - | - |
| 11.7.7.20. Electronic Air Inlet Controller (EAIC) TR: TO 5F28-2-8-20, 5F28-2-2 | | | | | | | | | | | |
| 11.7.7.20.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.7.7.20.2. Operational Check | | | | | | | | - | - | - | - |
| 11.7.7.20.3. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 11.7.7.21. Electronic Control Amplifier (ECA) TR: TO 5A1-9-3-8-19, 5A1-9-3-2 | | | | | | | | | | | |
| 11.7.7.21.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.7.7.21.2. Operational Check | | | | | | | | - | - | - | - |
| 11.7.7.21.3. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 11.7.7.21.4. Remove/Install SRUs | | | | | | | | - | - | - | - |

F-15 TRAINING REQUIREMENTS

| 1. Tasks, Knowledge And Technical References | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (See Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Core/Cert^ | Deployment */SEI + / CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 11.7.7.22. Electronic Command Signal Programmer (ECSP) TR: TO 12P3-2ALE45-28-2, 12P3-2ALE45-2 | | | | | | | | | | | |
| 11.7.7.22.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.7.7.22.2. Operational Check | | | | | | | | - | - | - | - |
| 11.7.7.22.3. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 11.7.7.22.4. Program/Re-program | | | | | | | | - | - | - | - |
| 11.7.7.22.5. Remove/Install SRUs | | | | | | | | - | - | - | - |
| 11.7.7.23. Engine Monitor Display (EMD) TR: TO 5E1-2-14-8-8, 5E1-2-14-2 | | | | | | | | | | | |
| 11.7.7.23.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.7.7.23.2. Operational Check | | | | | | | | - | - | - | - |
| 11.7.7.23.3. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 11.7.7.23.4. Remove/Install SRUs | | | | | | | | - | - | - | - |
| 11.7.7.24. Flight Control Computer (FCC) TR: TO 5A7-3- 43-8-12, 5A7-3-43-2 | | | | | | | | | | | |
| 11.7.7.24.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.7.7.24.2. Operational Check | | | | | | | | - | - | - | - |
| 11.7.7.24.3. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 11.7.7.24.4. Remove/Install SRUs | | | | | | | | - | - | - | - |
| 11.7.7.25. Flight Data Adapter (FDA) TR: TO 5F8-16-7-28-3, 5F8-16-7-4 | | | | | | | | | | | |
| 11.7.7.25.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.7.7.25.2. Operational Check | | | | | | | | - | - | - | - |
| 11.7.7.25.3. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 11.7.7.25.4. Remove/Install SRUs | | | | | | | | - | - | - | - |
| 11.7.7.26. Interference Blanker (IB) TR: TO 12P4-2A-118-18, 12P4-2A-112 | | | | | | | | | | | |
| 11.7.7.26.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.7.7.26.2. Operational Check | | | | | | | | - | - | - | - |
| 11.7.7.26.3. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 11.7.7.26.4. Remove/Install SRUs | | | | | | | | - | - | - | - |
| 11.7.7.27. Integrated Communications Control Panel (ICCP) TR: TO 12R1-2ARA-118-1, 12S1-2ARA-102 | | | | | | | | | | | |
| 11.7.7.27.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.7.7.27.2. Operational Check | | | | | | | | - | - | - | - |
| 11.7.7.27.3. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 11.7.7.27.4. Remove/Install SRUs | | | | | | | | - | - | - | - |

F-15 TRAINING REQUIREMENTS

| 1. Tasks, Knowledge And Technical References | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (See Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Core/Cert^ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 11.7.7.28. Integrated Communications Control Panel Have Quick (ICCP HQ) TR: TO 12S1-2ARA-102 | | | | | | | | | | | |
| 11.7.7.28.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.7.7.28.2. Operational Check | | | | | | | | - | - | - | - |
| 11.7.7.28.3. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 11.7.7.28.4. Remove/Install SRUs | | | | | | | | - | - | - | - |
| 11.7.7.29. Intercommunications Set (ICSCP) TR: TO 12R2-4-280-8-13, 12R2-4-280-2 | | | | | | | | | | | |
| 11.7.7.29.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.7.7.29.2. Operational Check | | | | | | | | - | - | - | - |
| 11.7.7.29.3. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 11.7.7.29.4. Remove/Install SRUs | | | | | | | | - | - | - | - |
| 11.7.7.30. Identify Friend or Foe Control Panel (IFF CP) TR: TO 12S1-2A-108-28, 12S1-2A-102 | | | | | | | | | | | |
| 11.7.7.30.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.7.7.30.2. Operational Check | | | | | | | | - | - | - | - |
| 11.7.7.30.3. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 11.7.7.30.4. Remove/Install SRUs | | | | | | | | - | - | - | - |
| 11.7.7.31. Instrument Landing System (ILS) Receiver TR: TO 12R5-2ARN109-8-1, 12R5-2ARN-422 | | | | | | | | | | | |
| 11.7.7.31.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.7.7.31.2. Operational Check | | | | | | | | - | - | - | - |
| 11.7.7.31.3. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 11.7.7.31.4. Remove/Install SRUs | | | | | | | | - | - | - | - |
| 11.7.7.32. Radar Target Data Processor Interrogator Reply Evaluator (IRE) TR: TO 12P4-2APX-218-3-1, 12PR-2APX-212 | | | | | | | | | | | |
| 11.7.7.32.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.7.7.32.2. Operational Check | | | | | | | | - | - | - | - |
| 11.7.7.32.3. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 11.7.7.32.4. Remove/Install SRUs | | | | | | | | - | - | - | - |
| 11.7.7.33. Multipurpose Color Display (MPCD) TR: TO 11F47-13-10-8-2, 11F47-13-10-2 | | | | | | | | | | | |
| 11.7.7.33.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.7.7.33.2. Operational Check | | | | | | | | - | - | - | - |
| 11.7.7.33.3. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 11.7.7.33.4. Remove/Install SRUs | | | | | | | | - | - | - | - |

F-15 TRAINING REQUIREMENTS

| 1. Tasks, Knowledge And Technical References | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (See Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Core/Cert^ | Deployment */SEI + / CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 11.7.7.34. Flat Panel Control Indicator (FPCI) C-12768/A/ASN-109 TR: TO 5N8-16-2-8-9 | | | | | | | | | | | |
| 11.7.7.34.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.7.7.34.2. Operational Check | | | | | | | | - | - | - | - |
| 11.7.7.34.3. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 11.7.7.34.4. Remove/Install SRUs | | | | | | | | - | - | - | - |
| 11.7.7.35. Navigational Control Indicator (NCI) TR: TO 5N8-16-2-8-8, 5N1-3-24-2 | | | | | | | | | | | |
| 11.7.7.35.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.7.7.35.2. Operational Check | | | | | | | | - | - | - | - |
| 11.7.7.35.3. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 11.7.7.35.4. Remove/Install SRUs | | | | | | | | - | - | - | - |
| 11.7.7.36. Programmable Armament Control Set Converter Programmer (PACS C/P) TR: TO 11B13-4-10-8-2, 11B13-4-10-2 | | | | | | | | | | | |
| 11.7.7.36.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.7.7.36.2. Operational Check | | | | | | | | - | - | - | - |
| 11.7.7.36.3. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 11.7.7.36.4. Program/Re-program | | | | | | | | - | - | - | - |
| 11.7.7.36.5. Remove/Install SRUs | | | | | | | | - | - | - | - |
| 11.7.7.37. Pitch Computer TR: TO 5A7-3-30-8-12, 5A1-2-43-2 | | | | | | | | | | | |
| 11.7.7.37.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.7.7.37.2. Operational Check | | | | | | | | - | - | - | - |
| 11.7.7.37.3. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 11.7.7.37.4. Remove/Install SRUs | | | | | | | | - | - | - | - |
| 11.7.7.38. Programmable Signal Data Processor (PSDP) TR: TO 5A46-2-3-8-23,5A46-2-3-2 | | | | | | | | | | | |
| 11.7.7.38.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.7.7.38.2. Operational Check | | | | | | | | - | - | - | - |
| 11.7.7.38.3. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 11.7.7.38.4. Program/Re-program | | | | | | | | - | - | - | - |
| 11.7.7.38.5. Remove/Install SRUs | | | | | | | | - | - | - | - |
| 11.7.7.39. Radar Set Control TR: TO 12P2-2APG63-68-2, 12P2-2APG63-62 | | | | | | | | | | | |
| 11.7.7.39.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.7.7.39.2. Operational Check | | | | | | | | - | - | - | - |
| 11.7.7.39.3. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 11.7.7.39.4. Remove/Install SRUs | | | | | | | | - | - | - | - |

F-15 TRAINING REQUIREMENTS

| 1. Tasks, Knowledge And Technical References | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (See Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Core/Cert^ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 11.7.7.40. Radar Set Control (MSIP/70) TR: TO 12P2-2APG70-58-1, 12P2-2APG70-52 | | | | | | | | | | | |
| 11.7.7.40.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.7.7.40.2. Operational Check | | | | | | | | - | - | - | - |
| 11.7.7.40.3. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 11.7.7.40.4. Remove/Install SRUs | | | | | | | | - | - | - | - |
| 11.7.7.41. Roll/Yaw Computer TR: TO 5A7-3-31-8-12, 5A1-2-43-2 | | | | | | | | | | | |
| 11.7.7.41.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.7.7.41.2. Operational Check | | | | | | | | - | - | - | - |
| 11.7.7.41.3. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 11.7.7.41.4. Remove/Install SRUs | | | | | | | | - | - | - | - |
| 11.7.7.42. TACAN Mount TR: TO 12R5-2ARN118-8-1, 12R5-4-106-13 | | | | | | | | | | | |
| 11.7.7.42.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.7.7.42.2. Operational Check | | | | | | | | - | - | - | - |
| 11.7.7.42.3. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 11.7.7.42.4. Remove/Install SRUs | | | | | | | | - | - | - | - |
| 11.7.7.43. Upfront Control Panel (UFCP) TR: TO 12R5-4-222-8-3, 12R5-4-222-3 | | | | | | | | | | | |
| 11.7.7.43.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.7.7.43.2. Operational Check | | | | | | | | - | - | - | - |
| 11.7.7.43.3. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 11.7.7.43.4. Remove/Install SRUs | | | | | | | | - | - | - | - |
| 11.7.7.44. Flat Panel Control Panel (FPCP) TR: TO 5N5-19-2-8-16 | | | | | | | | | | | |
| 11.7.7.44.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.7.7.44.2. Operational Check | | | | | | | | - | - | - | - |
| 11.7.7.44.3. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 11.7.7.44.4. Remove/Install SRUs | | | | | | | | - | - | - | - |
| 11.7.7.45. VCC/VCC+ TR: TO 5N5-19-2-8-16 | | | | | | | | | | | |
| 11.7.7.45.1. Load/Verify OFP | | | | | | | | - | - | - | - |
| 11.7.7.46. Digital Radar Signal Processor (042) TR: TO 12P2-2APG63-98-22, 12P2-2APG63-102 | | | | | | | | | | | |
| 11.7.7.46.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.7.7.46.2. Operational Check | | | | | | | | - | - | - | - |
| 11.7.7.46.3. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 11.7.7.46.4. Remove/Install SRUs | | | | | | | | - | - | - | - |

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (See Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And Technical References** | Core/Cert^ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 11.7.7.47. Head-up Display Signal Data Processor (HUD/SDP) TR: TO 5N29-8-18-21, 5N29-8-2 | | | | | | | | | | | |
| 11.7.7.47.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.7.7.47.2. Operational Check | | | | | | | | - | - | - | - |
| 11.7.7.47.3. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 11.7.7.47.4. Remove/Install SRUs | | | | | | | | - | - | - | - |
| 11.7.7.48. Embedded GPS Inertial (EGI) TR: 5N1-4-22-18-1 | | | | | | | | | | | |
| 11.7.7.48.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.7.7.48.2. Operational Check | | | | | | | | - | - | - | - |
| 11.7.7.48.3. Program/Re-program | | | | | | | | - | - | - | - |
| 11.7.7.49. Air Data Processor (ADP) TR: TO 5F5-4-49-8-1 | | | | | | | | | | | |
| 11.7.7.49.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.7.7.49.2. Operational Check | | | | | | | | - | - | - | - |
| 11.7.7.49.3. Program/Re-program | | | | | | | | - | - | - | - |
| 11.7.7.49.4. Remove/Install SRUs | | | | | | | | - | - | - | - |
| 11.7.7.50. Digital Mapping System (DMS) TR: TO 12P5-4-87-8-8 | | | | | | | | | | | |
| 11.7.7.50.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.7.7.50.2. Operational Check | | | | | | | | - | - | - | - |
| 11.7.7.50.3. Program/Re-program | | | | | | | | - | - | - | - |
| 10.7.7.51. Rate Sensor Assembly (RSA) TR: TO 5F25-4-8-2 | | | | | | | | | | | |
| 11.7.7.51.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.7.7.51.2. Operational Check | | | | | | | | - | - | - | - |
| 11.7.7.52. Accelerometer Sensor Assembly (ASA) TR: TO 5F25-5-8-2 | | | | | | | | | | | |
| 11.7.7.52.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.7.7.52.2. Operational Check | | | | | | | | - | - | - | - |
| 11.8. ADVANCED CONTROL TESTER (ACT) | | | | | | | | | | | |
| 11.8.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.8.2. Troubleshoot/Repair Station Malfunctions | | | | | | | | - | - | - | - |
| 11.8.3. Perform Self-test | | | | | | | | - | - | - | - |
| 11.8.4. Perform Periodic Inspections | | | | | | | | - | - | - | - |

F-15 TRAINING REQUIREMENTS

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (See Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And Technical References** | Core/Cert^ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 11.9. DEEC & EDU FUNCTIONAL TESTER (DEFT) | | | | | | | | | | | |
| 11.9.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.9.2. Troubleshoot/Repair Station Malfunctions | | | | | | | | - | - | - | - |
| 11.9.3. Perform Maintenance Testing Self-test | | | | | | | | - | - | - | - |
| 11.9.4. Perform Periodic Inspections | | | | | | | | - | - | - | - |
| 11.9.5. Digital Electronic Engine Controller (DEEC) TR: TO 6J3-4-117-2 | | | | | | | | | | | |
| 11.9.5.1. Theory of Operation | | | | | | | | - | A | - | - |
| 11.9.5.2. Operational Check | 5 | | | | | | | - | - | - | - |
| 11.9.5.3. Troubleshoot/Repair | 5 | | | | | | | - | - | - | - |
| 11.9.5.4. Remove/Install SRUs | 5 | | | | | | | - | - | - | - |
| 11.9.6. Engine Diagnostic Unit (EDU) TR: TO 5E1-2-15-2 | | | | | | | | | | | |
| 11.9.6.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.9.6.2. Operational Check | | | | | | | | - | - | - | - |
| 11.9.6.3. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 11.9.6.4. Remove/Install SRUs | | | | | | | | - | - | - | - |
| 11.9.7. Engine Control Throttle Quadrant Assembly TR: TOs 2JA8-24-2, 2JA8-24-12 | | | | | | | | | | | |
| 11.9.7.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.9.7.2. Operational Check | | | | | | | | - | - | - | - |
| 11.9.7.3. Troubleshoot/Repair | | | | | | | | - | - | - | - |
| 11.9.8. Field Reprogramming Set | | | | | | | | | | | |
| 11.9.8.1. Theory of Operation | | | | | | | | - | - | - | - |
| 11.9.8.2. Operate | | | | | | | | - | - | - | - |

E-8 TRAINING REQUIREMENTS

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (See Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And TechnicalReferences** | Core/Cert\ | Deployment */SEI + / CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| **Note 1:** Proficiency codes in column 4A identify the task/knowledge requirement for resident training. When two codes are used (e.g., 2b/b), the second code indications the level of training provided in the course due to equipment shortages or other constraints; dash (e.g., 2b/-) indicates the item will not be trained until the constraint is eliminated. | | | | | | | | | | | |
| 12. ATTACHMENT 12, E-8 TRAINING REQUIREMENTS | | | | | | | | | | | |
| 12.1. TRANSPORTABLE BENCHTOP RECONFIGURABLE AUTOMATIC TESTER (BRAT) | | | | | | | | | | | |
| 12.1.1. 200/400 Series TR: TOs 33D7-3-429-1 | | | | | | | | | | | |
| 12.1.1.1. Familiarization | 5 | | | | | | | - | - | - | - |
| 12.1.1.2. Self-tests/Operational Checks | 5 | | | | | | | - | - | - | - |
| 12.1.1.3. Isolate/Repair Malfunction | 7 | | | | | | | - | - | - | - |
| 12.1.2. B512 TR: TOs 33D7-3-437-1 | | | | | | | | | | | |
| 12.1.2.1. Familiarization | 7 | | | | | | | - | - | - | - |
| 12.1.2.2. Self-tests/Operational Checks | 5 | | | | | | | - | - | - | - |
| 12.1.2.3. Isolate/Repair Malfunction | 7 | | | | | | | - | - | - | - |
| 12.1.3. Channel Receiver TR: TOs 81W-APY3-U0411-00A, 81W-APY3-U0411-00D, 1E-8C-12 | | | | | | | | | | | |
| 12.1.3.1. Minimum Performance | | | | | | | | - | - | - | - |
| 12.1.4. Phase Shifter TR: TOs 81W-APY3-U046-00A, 81W-APY3-U046-00D, 1E-8C-12 | | | | | | | | | | | |
| 12.1.4.1. Minimum Performance | | | | | | | | - | - | - | - |
| 12.1.5. Frequency Agile Filter (FAF) TR: TOs 81W-APY3-U053-00A, 1E-8C-12 | | | | | | | | | | | |
| 12.1.5.1. Theory of Operation | | | | | | | | - | - | - | - |
| 12.1.5.2. Perform Operational Checks | | | | | | | | - | - | - | - |
| 12.1.5.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 12.1.6. IMS/IMU TR: TOs 81W-APY3-U047-00A, 1E-8C-12 | | | | | | | | | | | |
| 12.1.6.1. Minimum Performance | | | | | | | | - | - | - | - |
| 12.1.7. Radar High Power Combiner (HPC) TR: TOs 81W-E8C-U006A/D, 1E-8C-12, 81W-E8C-U001-00A | | | | | | | | | | | |
| 12.1.7.1. Theory of Operation | | | | | | | | - | - | - | - |
| 12.1.7.2. Perform Operational Checks | | | | | | | | - | - | - | - |
| 12.1.7.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |

E-8 TRAINING REQUIREMENTS

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (See Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And TechnicalReferences** | Core/Cert\ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 12.1.8. Radar Transmitter (XMTR) TR: TOs 81W-E8C-U001-00A, 1E-8C-12 | | | | | | | | | | | |
| 12.1.8.1. Theory of Operation | 7 | | | | | | | - | - | - | - |
| 12.1.8.2. Perform Operational Checks | 7 | | | | | | | - | - | - | - |
| 12.1.8.3. Isolate/Repair Malfunctions | 7 | | | | | | | - | - | - | - |
| 12.1.9. Crew Member Terminal/Flight Station Unit (CMT/FSU) TR: TOs 81C-ARY3/E8-030-00A, 1E-8C-12 | | | | | | | | | | | |
| 12.1.9.1. Theory of Operation | 5 | | | | | | | - | - | - | - |
| 12.1.9.2. Perform Operational Checks | 5 | | | | | | | - | - | - | - |
| 12.1.9.3. Isolate/Repair Malfunctions | 5 | | | | | | | - | - | - | - |
| 12.1.10. General Interface Terminal (GIT) TR: TOs 81W-APY3-U052-00A, 1E-8C-12 | | | | | | | | | | | |
| 12.1.10.1. Theory of Operation | 5 | | | | | | | - | - | - | - |
| 12.1.10.2. Perform Operational Checks | 5 | | | | | | | - | - | - | - |
| 12.1.10.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 12.1.11. Radar Analog/Digital Converter Receiver (RCVR) TR: TOs 81W-E8C-U069 A/D, 1E-8C-12 | | | | | | | | | | | |
| 12.1.11.1. Theory of Operation | | | | | | | | - | - | - | - |
| 12.1.11.2. Perform Operational Checks | | | | | | | | - | - | - | - |
| 12.1.11.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 12.1.12. Radar Exciter (XCTR) TR: TOs 81W-E8C-U004 A/D, 1E-8C-12 | | | | | | | | | | | |
| 12.1.12.1. Theory of Operation | 7 | | | | | | | - | - | - | - |
| 12.1.12.2. Perform Operational Checks | 7 | | | | | | | - | - | - | - |
| 12.1.12.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 12.1.13. Radar Antenna Servo Electronics (ASE) TR: TOs 81W-E8C-U002 A/D, 1E-8C-12 | | | | | | | | | | | |
| 12.1.13.1. Theory of Operation | | | | | | | | - | - | - | - |
| 12.1.13.2. Perform Operational Checks | | | | | | | | - | - | - | - |
| 12.1.13.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 12.2. COMMON MANUAL SYSTEMS | | | | | | | | | | | |
| 12.2.1. Communication Systems | | | | | | | | | | | |
| 12.2.1.1. UHF | | | | | | | | | | | |

E-8 TRAINING REQUIREMENTS

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (See Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And TechnicalReferences** | Core/Cert^ | Deployment */SEI + / CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 12.2.1.1.1. UHF System (AN/ARC164(C)) | | | | | | | | | | | |
| 12.2.1.1.1.1. Radio Test Set | | | | | | | | | | | |
| 12.2.1.1.1.1.1 Theory of Operation | | | | | | | | - | - | - | - |
| 12.2.1.1.1.1.2. Operate | | | | | | | | - | - | - | - |
| 12.2.1.1.1.1.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 12.2.1.1.1.2. UHF R/T TR: TO 12R2-2ARC164-Series | | | | | | | | | | | |
| 12.2.1.1.1.2.1. Theory of Operation | | | | | | | | - | - | - | - |
| 12.2.1.1.1.2.2. Perform Maintenance Testing | | | | | | | | - | - | - | - |
| 12.2.1.1.1.2.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 12.2.1.1.1.3. Radio Set Control TR: TOs 12R2-2ARC164-32, 12R2-2ARC164-92 | | | | | | | | | | | |
| 12.2.1.1.1.3.1. Theory of Operation | | | | | | | | - | - | - | - |
| 12.2.1.1.1.3.2. Perform Maintenance Testing | | | | | | | | - | - | - | - |
| 12.2.1.1.1.3.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 12.2.1.1.1.4. Channel Frequency Indicator TR: TO 12R2-2ARC164-32 | | | | | | | | | | | |
| 12.2.1.1.1.4.1. Theory of Operation | | | | | | | | - | - | - | - |
| 12.2.1.1.1.4.2. Performance Maintenance Testing | | | | | | | | - | - | - | - |
| 12.2.1.1.1.4.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 12.3. VHF ARC-186 | | | | | | | | | | | |
| 12.3.1. ARC-186 RT TR: TO 12R2-2ARC186-2-WA-1 | | | | | | | | | | | |
| 12.3.1.1. Theory of Operation | | | | | | | | - | - | - | - |
| 12.3.1.2. Perform Operational Checks | | | | | | | | - | - | - | - |
| 12.3.1.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 12.4. HF ARC-190 | | | | | | | | | | | |
| 12.4.1. CU-2275(V) Coupler TR: TO 12R2-2ARC-190-2-WA-1 | | | | | | | | | | | |
| 12.4.1.1. Theory of Operation | | | | | | | | - | - | - | - |
| 12.4.1.2. Perform Operational Checks | | | | | | | | - | - | - | - |
| 12.4.1.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (See Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And TechnicalReferences** | Core/Cert^ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 12.4.2. RT-1341(V) RT TR: TO 12R2-2ARC-190-2-WA-1 | | | | | | | | | | | |
| 12.4.2.1. Theory of Operation | | | | | | | | - | - | - | - |
| 12.4.2.2. Perform Operational Checks | | | | | | | | - | - | - | - |
| 12.4.2.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 12.5. VOR | | | | | | | | | | | |
| 12.5.1. R-2325/ARN-147 Receiver TR: TOs 12R5-2ARN147-2-WA-1, 12R5-2ARN161-24-WA-1 | | | | | | | | | | | |
| 12.5.1.1. Theory of Operation | | | | | | | | - | - | - | - |
| 12.5.1.2. Perform Operational Checks | | | | | | | | - | - | - | - |
| 12.5.1.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 12.6. GPS | | | | | | | | | | | |
| 12.6.1. R-2332/ARN151 Receiver TR: TO 12R5-2ARN151-12-WA-1 | | | | | | | | | | | |
| 12.6.1.1. Theory of Operation | | | | | | | | - | - | - | - |
| 12.6.1.2. Perform Operational Checks | | | | | | | | - | - | - | - |
| 12.6.1.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 12.7. ICS | | | | | | | | | | | |
| 12.7.1. C-6624/AIC-25 Single Network Intercommunications Panel (SNIP) TR: TOs 12R2-2AIC25-2, 12R2-2AIC25-4-WA-1 | | | | | | | | | | | |
| 12.7.1.1. Theory of Operation | | | | | | | | - | - | - | - |
| 12.7.1.2. Perform Operational Checks | | | | | | | | - | - | - | - |
| 12.7.1.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |
| 12.8. CRYPTO SYSTEMS (C) | | | | | | | | | | | |
| 12.8.1. Secure Voice (KY-58) TR: TOs KAM-337A/TSEC (C), KAM-339A/TSEC (C) | | | | | | | | | | | |
| 12.8.1.1. Theory of Operation | | | | | | | | - | - | - | - |
| 12.8.1.2. Perform Operational Checks | | | | | | | | - | - | - | - |
| 12.8.1.3. Isolate/Repair Malfunctions | | | | | | | | - | - | - | - |

POD MAINTENANCE PRINCIPLES

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (See Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And Technical References** | Core/Cert\ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| **Note 1:** Proficiency codes in column 4A identify the task/knowledge requirement for resident training. When two codes are used (e.g., 2b/b), the second code indications the level of training provided in the course due to equipment shortages or other constrains; dash (e.g., 2b/-) indicates the item will not be trained until the constraint is eliminated. | | | | | | | | | | | |
| 13. ATTACHMENT 13, POD MAINTENANCE PRINCIPLES | | | | | | | | | | | |
| 13.1. SECURITY | | | | | | | | | | | |
| 13.1.1. Critical Information Listing | | | | | | | | - | - | - | - |
| 13.2. OPERATE APPLICABLE MIS | | | | | | | | | | | |
| 13.2.1. Historical Records | | | | | | | | - | - | - | - |
| 13.2.2. Status Reports | | | | | | | | - | - | - | - |
| 13.3. MAINTENANCE DATA DOCUMENTATION (MDD) TR: TO 00-20-2 | | | | | | | | | | | |
| 13.3.1. Fundamentals and Application of MDD | | | | | | | | A | B | - | - |
| 13.3.2. Reliability, Availability, Maintainability, Pod (RAMPOD) TR: AFI21-103 | | | | | | | | | | | |
| 13.3.2.1. Maintenance Transactions | 5 | | | | | | | A | B | - | - |
| 13.3.2.2. Reports | | | | | | | | - | B | - | - |
| 13.3.3. Integrated Maintenance Data System (IMDS) | | | | | | | | | | | |
| 13.3.3.1. IMDS Principles | | | | | | | | A | B | - | - |
| 13.3.3.2. Perform Maintenance Transactions | 5 | | | | | | | 2b | b | - | - |
| 13.3.3.3. Perform Maintenance Inquiries | 5 | | | | | | | 2b | b | - | - |
| 13.3.3.4. Perform Supply Transactions | 5 | | | | | | | 2b | b | - | - |
| 13.3.3.5. Management/Supervision/Training Transactions | | | | | | | | - | - | - | - |
| 13.4. GENERAL MAINTENANCE PRACTICES TR: TO 00-25-234 | | | | | | | | | | | |
| 13.4.1. Perform Safety Wiring | 5 | | | | | | | - | - | - | - |
| 13.4.2. Perform Cable Lacing/Securing | 5 | | | | | | | 2b | - | - | - |
| 13.5. GENERAL POD SUPPORT EQUIPMENT TR: TOs 35D-1-301, 35E20-4-26-1 | | | | | | | | | | | |
| 13.5.1. Perform Pod Cradle Prior-to-use/180-Day Inspection | 5 | | | | | | | - | - | - | - |
| 13.5.2. Perform Pod Dolly Prior-to-use/90-Day Inspection | | | | | | | | - | - | - | - |
| 13.5.3. Perform Pod Shipping Container Inspections | | | | | | | | - | - | - | - |

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/Information Provided (See Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Tasks, Knowledge And Technical References** | Core/Cert^ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 13.5.4. C-9492B CONTROL INDICATOR TR: TO 12P3-2ALQ-122 | | | | | | | | | | | |
| 13.5.4.1. Perform Bench Check of C-9492B Control Indicator | | | | | | | | - | - | - | - |
| 13.5.4.2. Perform Placard Set-up/Changes for ECM Pods | | | | | | | | - | - | - | - |
| 13.6. ELECTRONIC WARFARE INTEGRATED REPROGRAMMING (EWIR) | | | | | | | | | | | |
| 13.6.1. SERENE BYTE/PACERWARE Principles | | | | | | | | - | - | - | - |
| 13.6.2. MSEWDDS Principles | | | | | | | | - | A | - | - |
| 13.6.3. Data Transfer Principles | | | | | | | | A | B | - | - |
| 13.7. ELECTRONIC WARFARE COMBAT FUNDAMENTALS | | | | | | | | | | | |
| 13.7.1. Electronic Combat | | | | | | | | A | B | - | - |
| 13.7.2. Directed Radio Frequency (RF) Radiation | | | | | | | | B | B | - | - |
| 13.7.3. Electronic Warfare Categories | | | | | | | | B | B | - | - |
| 13.7.4. Integrated Air Defense Systems | | | | | | | | A | B | - | - |
| 13.7.5. Component Types | | | | | | | | - | - | - | - |
| 13.8. RF FUNDAMENTALS | | | | | | | | | | | |
| 13.8.1. RF Troubleshooting Principles | | | | | | | | A | - | - | - |
| 13.9. GROUND HANDLING | | | | | | | | | | | |
| 13.9.1. Pods | | | | | | | | A | A | - | - |
| 13.9.2. Support Equipment | | | | | | | | A | - | - | - |
| 13.9.3. Lifting Devices | | | | | | | | | | - | - |
| 13.9.3.1. Inspection | | | | | | | | A | B | - | - |
| 13.9.3.2. Operation | | | | | | | | A | B | - | - |

AN/ALQ-131 POD TRAINING REQUIREMENTS

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Tasks, Knowledge And Technical References | Core/Cert\ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| **Note 1:** Proficiency codes in column 4A identify the task/knowledge requirement for resident training. When two codes are used (e.g., 2b/b), the second code indications the level of training provided in the course due to equipment shortages or other constraints; dash (e.g., 2b/-) indicates the item will not be trained until the constraint is eliminated. | | | | | | | | | | | |
| 14. ATTACHMENT 14, AN/ALQ-131 POD TRAINING REQUIREMENTS (Units that have multiple pods will only upgrade on one pod/station to 5 or 7 level as determined by workcenter supervisor) | | | | | | | | | | | |
| 14.1. AN/ALQ-131 ECM POD TR: TOs 00-20-1, -2, -5; 1-1A-8; 12P3-ALQ131-22-1, -2, -3, -4, -5, -6, -7; 35E20-4-7-1 | | | | | | | | | | | |
| 14.1.1. Operational Concept | | | | | | | | - | B | - | - |
| 14.1.2. Description | | | | | | | | B | B | - | - |
| 14.1.3. Theory of Operation | | | | | | | | B | B | - | - |
| 14.1.4. 1553 Bus Theory | | | | | | | | A | B | - | - |
| 14.1.5. Connect AN/ALQ-131 Block II Pod to Maintenance Bench, Support Equipment, and Cooling Hoses | 5 | | | | | | | 2b | - | - | - |
| 14.1.6. Perform Removal/Installation of Panels and Gondola | | | | | | | | 2b | - | - | - |
| 14.1.7. Retrieve and View AN/ALQ-131 Block II Pod CITS History | | | | | | | | 2b | - | - | - |
| 14.1.8. Perform ICITS | 5 | | | | | | | 2b | - | - | - |
| 14.1.9. Perform SCITS | 5 | | | | | | | 2b | - | - | - |
| 14.1.10. Perform AN/ALQ-131 Block II Pod Total Test | 5 | | | | | | | - | - | - | - |
| 14.1.11. Perform Band Minimum Performance Test | | | | | | | | 2b | - | - | - |
| 14.1.12. Jam Display | | | | | | | | | | | |
| 14.1.12.1. Perform JAM Display | | | | | | | | - | - | - | - |
| 14.1.12.2. Perform Auto JAM Display | 5 | | | | | | | 2b | - | - | - |
| 14.1.12.3. Verify Auto JAM Display Using Applicable Annex | | | | | | | | - | - | - | - |
| 14.1.13. Remove and Install | | | | | | | | | | | |
| 14.1.13.1. Transmit Control Assembly (TCA) | 5 | | | | | | | 2b | - | - | - |
| 14.1.13.2. High Voltage Power Supply (HVPS) | 5 | | | | | | | 2b | - | - | - |

| 1. Tasks, Knowledge And Technical References | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Core/Cert\ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 14.1.13.3. Radio Frequency Deck | 5 | | | | | | | 2b | - | - | - |
| 14.1.13.4. Interface Control | 5 | | | | | | | 2b | - | - | - |
| 14.1.13.5. Lugs | 5 | | | | | | | 2b | - | - | - |
| 14.1.13.6. Receiver Processor Module (RP) | 5 | | | | | | | - | - | - | - |
| 14.1.13.7. RP Tray 1 and Tray 2 | 5 | | | | | | | - | - | - | - |
| 14.1.14. Perform Alignment ILSE Software and Troubleshooting | | | | | | | | | | | |
| 14.1.14.1. ABLVPA | 5 | | | | | | | - | - | - | - |
| 14.1.14.2. ABHVLD | 5 | | | | | | | - | - | - | - |
| 14.1.14.3. ABINLN | 5 | | | | | | | - | - | - | - |
| 14.1.14.4. ABTWTA | 5 | | | | | | | - | - | - | - |
| 14.1.14.5. 040TPA | 5 | | | | | | | - | - | - | - |
| 14.1.14.6. ABOTGA | 5 | | | | | | | 2b | - | - | - |
| 14.1.14.7. ABINGA | 5 | | | | | | | 2b | - | - | - |
| 14.1.14.8. ABGOAA | 5 | | | | | | | 2b | - | - | - |
| 14.1.14.9. ABHLDA | 5 | | | | | | | - | - | - | - |
| 14.1.14.10. 45LLDA | 5 | | | | | | | - | - | - | - |
| 14.1.14.11. ABNLDA | 5 | | | | | | | - | - | - | - |
| 14.1.14.12. ABNPWA | 5 | | | | | | | 2b | - | - | - |
| 14.1.14.13. ABANTA | 5 | | | | | | | - | - | - | - |
| 14.1.14.14. 5ILPRA | | | | | | | | - | - | - | - |
| 14.1.14.15. ICLVPS | 5 | | | | | | | - | - | - | - |
| 14.1.14.16. HYPOT | | | | | | | | - | - | - | - |
| 14.1.14.17. Troubleshooting Band 3 | 5 | | | | | | | - | - | - | - |
| 14.1.14.18. Troubleshooting Band 4 | 5 | | | | | | | - | - | - | - |
| 14.1.14.19. Troubleshooting Band 5 | 5 | | | | | | | - | - | - | - |
| 14.1.14.20. Troubleshooting Interface Control (I/C) | 5 | | | | | | | - | - | - | - |
| 14.1.14.21. Troubleshooting Receiver Processor (RP) | 5 | | | | | | | - | - | - | - |
| 14.1.15. Pod Inspection and Shipment | | | | | | | | | | | |
| 14.1.15.1. Perform RF Leak Check | 5 | | | | | | | 2b | - | - | - |
| 14.1.15.2. Load and Unload Pods in Shipping Containers | | | | | | | | - | - | - | - |
| 14.1.15.3. Perform 5-Level Internal Inspection | 5 | | | | | | | - | - | - | - |
| 14.1.15.4. Perform 5-Level External Inspection | 5 | | | | | | | - | - | - | - |
| 14.1.15.5. Perform 7-Level Internal Inspection | 7 | | | | | | | - | - | - | - |
| 14.1.15.6. Perform 7-Level External Inspection | 7 | | | | | | | - | - | - | - |

AN/ALQ-131 POD TRAINING REQUIREMENTS

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Tasks, Knowledge And Technical References | Core/Cert\ | Deployment */SEI + / CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 14.1.16. Advanced Troubleshooting | | | | | | | | | | | |
| 14.1.16.1. Utilize Test Director | 5 | | | | | | | - | - | - | - |
| 14.1.16.2. Sweep Component Using Generic Gains | 5 | | | | | | | - | - | - | - |
| 14.1.16.3. Perform RF Troubleshooting | 7 | | | | | | | - | - | - | - |
| 14.1.16.4. Perform Wiring/Signal Troubleshooting | 7 | | | | | | | - | - | - | - |
| 14.2. AN/ALM-256(V) INTERMEDIATE LEVEL SUPPORT EQUIPMENT (ILSE) TR: TO 33D7-13-110-1 and ILSE SOFTWARE | | | | | | | | | | | |
| 14.2.1. Operational Concept | | | | | | | | - | B | - | - |
| 14.2.2. Description | | | | | | | | A | B | - | - |
| 14.2.3. Theory of Operation | | | | | | | | B | B | - | |
| 14.2.4. Load AN/ALM-256(V) ILSE Memory | | | | | | | | - | - | - | - |
| 14.2.5. Power-on, Boot-up, and Power-down AN/ALM-256(V) | 5 | | | | | | | 2b | - | - | - |
| 14.2.6. Perform 7-Day Self-test | 5 | | | | | | | 2b | - | - | - |
| 14.2.7. Perform 14-Day Self-test | 5 | | | | | | | 2b | - | - | - |
| 14.2.8. Perform 30-Day Inspection | 5 | | | | | | | - | - | - | - |
| 14.2.9. Perform 90-Day Inspection | 5 | | | | | | | - | - | - | - |
| 14.2.10. Troubleshoot and Repair ILSE | 7 | | | | | | | - | - | - | - |
| 14.2.11. MD Loading/Reprograming Procedures | | | | | | | | | | | |
| 14.2.11.1. Load/Reprogram AN/ALQ-131(V) Using ILSE | 5 | | | | | | | 2b | - | - | - |
| 14.2.11.2. Load/Reprogram AN/ALQ-131 Using CAPRE | 7 | ~ | | | | | | - | - | - | - |
| 14.2.11.3. Receive and Install SERENE BYTE/PACERWARE Data Files Update Into AN/ALM-256(V) ILSE | 5 | | | | | | | - | - | - | - |
| 14.2.11.4. Transfer Data Between CAPRE and ILSE | | | | | | | | - | - | - | - |
| 14.2.12. Perform Pod Liquid Cooler Inspections | | | | | | | | - | - | - | - |
| 14.2.13. Perform Antenna Shield Inspections | | | | | | | | - | - | - | - |

AN/ALQ-131 POD TRAINING REQUIREMENTS

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Tasks, Knowledge And Technical References | Core/Cert\ | Deployment */SEI + / CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 14.2.14. AN/ALM-187A Power supply Test Set TR: TO 33D7-6-315-1 and ILSE Software | | | | | | | | | | | |
| 14.2.14.1. Theory | | | | | | | | A | - | - | - |
| 14.2.14.2. Inspect/Maintain AN/ALM-187A Power Supply Test Set | | | | | | | | - | - | - | - |
| 14.3. USE TEST EQUIPMENT TR: APPLICABLE EQUIPMENT TO(S)/MANUALS | | | | | | | | | | | |
| 14.3.1. Scalar Network Analyzer | 5 | | | | | | | - | - | - | - |
| 14.3.2. Pulse Generator | 5 | | | | | | | - | - | - | - |
| 14.3.3. Oscilloscope | 5 | | | | | | | - | - | - | - |
| 14.3.4. Spectrum Analyzer | 5 | | | | | | | - | - | - | - |
| 14.3.5. Signal Generator | 5 | | | | | | | - | - | - | - |
| 14.3.6. Digital Multimeter | 5 | | | | | | | - | - | - | - |

AN/ALQ-184 POD TRAINING REQUIREMENTS

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Tasks, Knowledge And Technical References | Core/Cert\ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| **Note 1:** Proficiency codes in column 4A identify the task/knowledge requirement for resident training. When two codes are used (e.g., 2b/b), the second code indications the level of training provided in the course due to equipment shortages or other constraints; dash (e.g., 2b/-) indicates the item will not be trained until the constraint is eliminated. | | | | | | | | | | | |
| 15. ATTACHMENT 15, AN/ALQ-184 POD TRAINING REQUIREMENT (Units that have multiple pods will only upgrade on one pod/station to 5 or 7 level as determined by workcenter supervisor) | | | | | | | | | | | |
| 15.1. AN/ALQ-184 ELECTRONIC WARFARE ATTACK POD TR: TO 12P3-2ALQ184-82-2 and ASE SOFTWARE | | | | | | | | | | | |
| 15.1.1. Operational Concept | | | | | | | | - | B | - | - |
| 15.1.2. Description | | | | | | | | B | B | - | - |
| 15.1.3. Theory of Operation | | | | | | | | | | | |
| 15.1.3.1 Interface Control | | | | | | | | B | B | - | - |
| 15.1.3.2 Low Band Processing | | | | | | | | B | B | - | - |
| 15.1.3.3 Major Sub-Assemblies | | | | | | | | B | B | - | - |
| 15.1.3.4 Pod System Processor (PSP) | | | | | | | | B | B | - | - |
| 15.1.3.5 Techniques Generator | | | | | | | | B | B | - | - |
| 15.1.3.6 Transmitter Section | | | | | | | | B | B | - | - |
| 15.1.4. Connect AN/ALQ-184 Pod to AN/ALM-233D ASE and Associated Support Equipment | 5 | | | | | | | 2b | - | - | - |
| 15.1.5. Perform Canister Separation and Reassembly | 5 | | | | | | | - | - | - | - |
| 15.1.6. Coldplate Removal and Installation TR: TO 12P3-2ALQ184-82-2-1, 12P3- 2ALQ184-82-2 and ASE Software | | | | | | | | | | | |
| 15.1.6.1. Perform A1 Coldplate Removal and Installation | | | | | | | | - | - | - | - |
| 15.1.6.2. Perform A2 Coldplate Removal and Installation | | | | | | | | 2b | - | - | - |
| 15.1.6.3. Perform A3 Coldplate Removal and Installation | 7 | | | | | | | - | - | - | - |

# AN/ALQ-184 POD TRAINING REQUIREMENTS

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Tasks, Knowledge And Technical References | Core/Cert\ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 15.1.7. AN/ALQ-184 Functional and System Calibration Tests and Troubleshooting TR: TOs 12P3-2ALQ-184-82-2 and 12P3-2ALQ-184-82-2-1 | | | | | | | | | | | |
| 15.1.7.1. Perform AN/ALQ-184 Functional Tests F1-F22 | 5 | | | | | | | - | - | - | - |
| 15.1.7.1.1. Perform AN/ALQ-184 Functional Tests F1, F2, F3, F4.1, F15, F22 | | | | | | | | 2b | - | - | - |
| 15.1.7.2. Perform AN/ALQ-184 System Calibration Tests T1-T9 | 5 | | | | | | | - | - | - | - |
| 15.1.7.2.1. Perform AN/ALQ-184 System Calibration Tests T1-T4 | | | | | | | | 2b | - | - | - |
| 15.1.7.3. Perform AN/ALQ-184 System Calibration Tests T10 Series | 5 | | | | | | | - | - | - | - |
| 15.1.7.3.1. Perform AN/ALQ-184 System Calibration Tests T10.3.5, T10.2, T10.1, and T10.3.6 | | | | | | | | 2b | - | - | - |
| 15.1.7.4. Perform AN/ALQ-184 System Calibration Tests T12 Series | 5 | | | | | | | - | - | - | - |
| 15.1.7.5. Perform AN/ALQ-184 System Calibration Tests T13-20 | 5 | | | | | | | - | - | - | - |
| 15.1.7.5.1. Perform AN/ALQ-184 System Calibration Tests T13, T14 FWD/AFT, T18 FWD/AFT, and T19.1 FWD/AFT | | | | | | | | 2b | - | - | - |
| 15.1.7.6. Perform AN/ALQ-184 System Calibration Tests T21 Series | 5 | | | | | | | - | - | - | - |
| 15.1.7.6.1. Perform AN/ALQ-184 System Calibration Tests T21.7, T21.8 | | | | | | | | 2b | - | - | - |
| 15.1.7.7. Perform AN/ALQ-184 System Calibration Tests T22, T24, T28, T34, and T35 | 5 | | | | | | | - | - | - | - |
| 15.1.7.8. Perform AN/ALQ-184 System T32 Adjustment | | | | | | | | - | - | - | - |
| 15.1.8. Perform AN/ALQ-184 Program Verification Tests (PVT) | 5 | | | | | | | 2b | - | - | - |
| 15.1.9. Troubleshoot and Repair AN/ALQ-184 Functional Test Failures | 7 | | | | | | | - | - | - | - |
| 15.1.10. Troubleshoot and Repair AN/ALQ-184 System Calibration Test Failures | 7 | | | | | | | - | - | - | - |
| 15.1.11. Troubleshoot and Repair AN/ALQ-184 PVT Failures | 7 | | | | | | | - | - | - | - |

AN/ALQ-184 POD TRAINING REQUIREMENTS

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 15.1.12. AN/ALQ-184 Hat Check | | | | | | | | | | | |
| 15.1.12.1. Perform AN/ALQ-184 Hat Check | 5 | | | | | | | 2b | - | - | - |
| 15.1.12.2. Verify Using Applicable Annex | | | | | | | | - | - | - | - |
| 15.1.12.3. Verify Using Decode (F6 key) | | | | | | | | - | - | - | - |
| 15.1.13. Advanced Troubleshooting TR: TOs 12P3- 2ALQ184-82-2 -1 and ASE Software, 00-20-1, 00- 20-2, 00-20-7, and 12P3-2ALQ184-82-2 | | | | | | | | | | | |
| 15.1.13.1. Use Diagnostic Test Oriented System (DTOS) | 7 | | | | | | | 2b | - | - | - |
| 15.1.13.2. Perform RF Troubleshooting | | | | | | | | - | - | - | - |
| 15.1.13.3. Perform Wiring/Signal Troubleshooting | | | | | | | | - | - | - | - |
| 15.1.13.4. Perform Cable Phase Matching Using ASE Software | | | | | | | | - | - | - | - |
| 15.1.14. Remove and Install V-bands | 5 | | | | | | | - | - | - | - |
| 15.1.15. Remove and Install Lugs | 5 | | | | | | | 2b | - | - | - |
| 15.1.16. Perform Internal Inspection of AN/ALQ-184 Pod | 7 | | | | | | | - | - | - | - |
| 15.1.17. Perform External Inspection of AN/ALQ-184 Pod | 7 | | | | | | | - | - | - | - |
| 15.2. AN/ALM-233D AUTOMATIC SUPPORT EQUIPMENT (ASE) TR: TOs 33D7-13-89-1, 33D7-13-89-1-2, and ASE SOFTWARE | | | | | | | | | | | |
| 15.2.1. Operational Concept | | | | | | | | - | B | - | - |
| 15.2.2. Description | | | | | | | | A | B | - | - |
| 15.2.3. Theory of Operation | | | | | | | | B | B | - | - |
| 15.2.4. Perform AN/ALM-233D ASE Initial Power-up, Power-up From Standby, Power-down to Standby, and Declassification | 5 | | | | | | | 2b | - | - | - |
| 15.2.5. Perform AN/ALM-233D ASE Daily Self-test | 5 | | | | | | | 2b | - | - | - |
| 15.2.6. Perform AN/ALM-233D ASE Weekly Self-test | 5 | | | | | | | 2b | - | - | - |
| 15.2.7. Perform AN/ALM-233D ASE Monthly Self-test | 5 | | | | | | | 2b | - | - | - |
| 15.2.8. Perform AN/ALM-233D ASE Semi-annual Self-test | 7 | | | | | | | - | - | - | - |
| 15.2.9. Perform Pod Cold plate Liquid Cooler (PCLC) Operational Checkout | | | | | | | | - | - | - | - |
| 15.2.9.1. Perform Pod Cold plate Liquid Cooler (PCLC) 60-Day Coolant Sample | | | | | | | | - | - | - | - |
| 15.2.10. Refill PCLC with coolant using Vacuum Fill Unit | 5 | | | | | | | - | - | - | - |

AN/ALQ-184 POD TRAINING REQUIREMENTS

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Tasks, Knowledge And Technical References | Core/Cert\ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 15.2.11. Manual operation of ASE | | | | | | | | 2b | - | - | - |
| 15.2.12. Display/Change Instrument Status Using Operator Support | | | | | | | | 2b | - | - | - |
| 15.2.13. Troubleshoot/Repair ASE | 7 | | | | | | | - | - | - | - |
| 15.2.14. MD Loading/Reprograming Procedures | | | | | | | | | | | |
| 15.2.14.1. Load/Reprogram AN/ALQ-184 Using ASE | 5 | | | | | | | 2b | - | - | - |
| 15.2.14.2. Load/Reprogram AN/ALQ-184 Using CAPRE | 5 | ~ | | | | | | - | - | - | - |
| 15.2.14.3. Receive and Install SERENE BYTE/PACERWARE Data Files Update Into AN/ALM-233D ASE | 5 | | | | | | | - | - | - | - |
| 15.2.14.4. Transfer Data Between CAPRE and ASE | | | | | | | | - | - | - | - |
| 15.3. PORTABLE AUTOMATED TEST EQUIPMENT CALIBRATOR (PATEC) TR: TO 33K9-4-26-1 | | | | | | | | | | | |
| 15.3.1. Theory of Operation | | | | | | | | - | B | - | - |
| 15.3.2. Traceability | | | | | | | | - | B | - | - |
| 15.3.3. Utilizing Calibration Correction Charts | | | | | | | | - | - | - | - |
| 15.3.4. Perform Calibration of AN/ALM-233D ASE | 7 | | | | | | | - | - | - | - |
| 15.4. USE TEST EQUIPMENT TR: APPLICABLE EQUIPMENT TO(S)/MANUALS | | | | | | | | | | | |
| 15.4.1. Universal Counter | 5 | | | | | | | - | - | - | - |
| 15.4.2. Power Meter | 5 | | | | | | | - | - | - | - |
| 15.4.3. Scalar Network Analyzer | 5 | | | | | | | - | - | - | - |
| 15.4.4. Pulse Generator | 5 | | | | | | | - | - | - | - |
| 15.4.5. Oscilloscope | 5 | | | | | | | - | - | - | - |
| 15.4.6. Spectrum Analyzer | 5 | | | | | | | - | - | - | - |
| 15.4.7. Signal Generator | 5 | | | | | | | - | - | - | - |
| 15.4.8. Digital Multimeter | 5 | | | | | | | - | - | - | - |

AN/ALQ-188 POD TRAINING REQUIREMENTS

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Tasks, Knowledge And Technical References | Core/Cert\ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| **Note 1:** Proficiency codes in column 4A identify the task/knowledge requirement for resident training. When two codes are used (e.g., 2b/b), the second code indications the level of training provided in the course due to equipment shortages or other constraints; dash (e.g., 2b/-) indicates the item will not be trained until the constraint is eliminated. | | | | | | | | | | | |
| 16. ATTACHMENT 16, AN/ALQ-188 POD TRAINING REQUIREMENTS | | | | | | | | | | | |
| 16.1. AN/ALQ-188A ECM POD TR: TO 12P3-2ALQ188-12 | | | | | | | | | | | |
| 16.1.1. Operational Concept | | | | | | | | - | - | - | - |
| 16.1.2. Description | | | | | | | | - | - | - | - |
| 16.1.3. Theory of Operation | | | | | | | | - | - | - | - |
| 16.1.4. Perform AN/ALQ-188A Pod 360-Day Preventive Maintenance Inspection | 5 | | | | | | | - | - | - | - |
| 16.1.5. Connect AN/ALQ-188A Pod to GLM-10 | | | | | | | | - | - | - | - |
| 16.1.6. Perform Operational Checkout of AN/ALQ-188A Pod | 5 | | | | | | | - | - | - | - |
| 16.1.7. Perform Tail Cone/Forward Tail Assembly Removal/Installation | | | | | | | | - | - | - | - |
| 16.1.8. Perform Antenna/RF Cable Removal/Installation | | | | | | | | - | - | - | - |
| 16.1.9. Perform LRU Tray Assembly Removal/Installation | | | | | | | | - | - | - | - |
| 16.1.10. Perform Power Cable/Control Adapter Assembly Removal/Installation | | | | | | | | - | - | - | - |
| 16.1.11. Perform Test Set Initial Control Settings | | | | | | | | - | - | - | - |
| 16.1.12. Perform CM Set Programing With Test Set | | | | | | | | - | - | - | - |
| 16.1.13. Perform CM Set Standby/Operate BIT/Record Bit | | | | | | | | - | - | - | - |
| 16.1.14. Perform CM Set Functional Checkout | 5 | | | | | | | - | - | - | - |
| 16.1.15. Perform Troubleshooting IAW 12P3-2ALQ188-12 | 5 | | | | | | | - | - | - | - |
| 16.1.16. Repair | 5 | | | | | | | - | - | - | - |

AN/ALQ-188 POD TRAINING REQUIREMENTS

| 1. Tasks, Knowledge And Technical References | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Core/Cert\ | Deployment */SEI +/ CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 16.1.17. Perform LRU Removal/Installation | | | | | | | | - | - | - | - |
| 16.1.18. Perform SDC Operational Checkout | 5 | | | | | | | - | - | - | - |
| 16.1.19. Perform RFO Operational Checkout | 5 | | | | | | | - | - | - | - |
| 16.1.20. Perform RP Operational Checkout | 5 | | | | | | | - | - | - | - |
| 16.1.21. Perform FMA Operational Checkout | 5 | | | | | | | - | - | - | - |
| 16.1.22. Perform TWT Operational Checkout | 5 | | | | | | | - | - | - | - |
| 16.1.23. Perform IFMSOR Operational Checkout | 5 | | | | | | | - | - | - | - |
| 16.1.24. Perform 5-Level Internal on AN/ALQ-188A Pod | 5 | | | | | | | - | - | - | - |
| 16.1.25. Perform 5-Level External on AN/ALQ-188A Pod | 5 | | | | | | | - | - | - | - |
| 16.1.26. Perform 7-Level Internal on AN/ALQ-188A Pod | 7 | | | | | | | - | - | - | - |
| 16.1.27. Perform 7-Level External on AN/ALQ-188A Pod | 7 | | | | | | | - | - | - | - |
| 16.1.28. Reprogramming AN/ALQ-188A Pod | 5 | | | | | | | - | - | - | - |
| 16.1.29. Perform Antenna Tilt Adjustment | | | | | | | | - | - | - | - |
| 16.2. AN/ALQ-188 V4 ECM POD GENERAL TASK TR: TO 12P3-2ALQ188-52 | | | | | | | | | | | |
| 16.2.1. Operational Concept | | | | | | | | - | A | - | - |
| 16.2.2. Description | | | | | | | | A | A | - | - |
| 16.2.3. Theory of Operation | | | | | | | | B | B | - | - |
| 16.2.4. Perform AN/ALQ-188 V4 Pod 360-Day Preventive Maintenance Inspection | 5 | | | | | | | - | - | - | - |
| 16.2.5. Connect AN/ALQ-188 V4 to GLM-10 | 5 | | | | | | | - | - | - | - |
| 16.2.6. Perform Operational Checkout of AN/ALQ-188 V4 Pod | 5 | | | | | | | - | - | - | - |
| 16.2.7. Perform Tail/Nose Cone Removal/Installation | | | | | | | | - | - | - | - |
| 16.2.8. Perform Forward Canister Umbilical Removal/Installation | | | | | | | | - | - | - | - |

AN/ALQ-188 POD TRAINING REQUIREMENTS

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Tasks, Knowledge And Technical References | Core/Cert\ | Deployment */SEI + / CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 16.2.9. Perform Antenna/RF Cable Removal/Installation | | | | | | | | - | - | - | - |
| 16.2.10. Perform LRU Tray Removal/Installation | | | | | | | | - | - | - | - |
| 16.2.11. Perform Power Cable/Control Adapter Assembly Removal/Installation | | | | | | | | - | - | - | - |
| 16.2.12. Perform Test Set Initial Control Settings | | | | | | | | - | - | - | - |
| 16.2.13. Perform CM Set Programming With Test Set | | | | | | | | - | - | - | - |
| 16.2.14. Perform CM Set Standby/Operate Bit/Record Bit | | | | | | | | - | - | - | - |
| 16.2.15. Perform CM Set Functional Checkout | 5 | | | | | | | - | - | - | - |
| 16.2.16. Perform Troubleshooting IAW 12P3-2ALQ188-52 | 5 | | | | | | | - | - | - | - |
| 16.2.17. Repair | 5 | | | | | | | - | - | - | - |
| 16.2.18. Perform LRU Removal/Installation | | | | | | | | - | - | - | - |
| 16.2.19. Perform SDC Operational Checkout | 5 | | | | | | | - | - | - | - |
| 16.2.20. Perform RFO Operational Checkout | 5 | | | | | | | - | - | - | - |
| 16.2.21. Perform RP Operational Checkout | 5 | | | | | | | - | - | - | - |
| 16.2.22. Perform FMA Operational Checkout | 5 | | | | | | | - | - | - | - |
| 16.2.23. Perform TWT Operational Checkout | 5 | | | | | | | - | - | - | - |
| 16.2.24. Perform MPM Operational Checkout | 5 | | | | | | | - | - | - | - |
| 16.2.25. Perform DRFM Operational Checkout | 5 | | | | | | | - | - | - | - |
| 16.2.26. Perform IFMSOR Operational Checkout | 5 | | | | | | | - | - | - | - |
| 16.2.27. Perform 5-Level Internal on AN/ALQ-188 V4 Pod | 5 | | | | | | | - | - | - | - |
| 16.2.28. Perform 5-Level External on AN/ALQ-188 V4 Pod | 5 | | | | | | | - | - | - | - |
| 16.2.29. Perform 7-Level Internal on AN/ALQ-188 V4 Pod | 7 | | | | | | | - | - | - | - |

AN/ALQ-188 POD TRAINING REQUIREMENTS

| | 2. Tasks | | 3. Certification for OJT | | | | | 4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tasks, Knowledge And Technical References | Core/Cert^ | Deployment */SEI + / CBRN ~ | A | B | C | D | E | A 3 Skill Level | B 5 Skill Level | C 7 Skill Level | |
| | | | Tng Start | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | (1) Course | (1) CDC | (1) Course | (1) CDC |
| 16.2.30. Perform 7-Level External on AN/ALQ-188 V4 Pod | 7 | | | | | | | - | - | - | - |
| 16.2.31. Reprogramming AN/ALQ-188 V4 Pod | 5 | | | | | | | - | - | - | - |
| 16.2.32. Perform Antenna Tilt Adjustment | | | | | | | | - | - | - | - |
| 16.3. TEST STATION AN/GLM-10 TR: TO 33D7-13-95-11 | | | | | | | | | | | |
| 16.3.1. Operational Concept | | | | | | | | - | A | - | - |
| 16.3.2. Description | | | | | | | | A | A | - | - |
| 16.3.3. Theory of Operation | | | | | | | | A | A | - | - |
| 16.3.4. Power-up and Power-down Procedures | | | | | | | | - | - | - | - |
| 16.3.5. Perform Daily Interval Inspections | | | | | | | | - | - | - | - |
| 16.3.6. Perform Weekly Interval Inspections | | | | | | | | - | - | - | - |
| 16.3.7. Perform 30-Day Interval Inspections | | | | | | | | - | - | - | - |
| 16.3.8. Perform 180-Day Interval Inspections | | | | | | | | - | - | - | - |
| 16.4. CASKETIZING TR: TO 80-00-49-001, 12P3-2ALQ188-52/12P3-2ALQ188-12 | | | | | | | | | | | |
| 16.4.1. Pack/Unpack AN/ALQ-188 for Shipment | 5 | ~ | | | | | | - | - | - | - |
| 16.4.2. Perform Internal/External 7-Level Casket Inspection | 7 | | | | | | | - | - | - | - |
| 16.4.3. Perform Casket Assembly/Disassembly | | | | | | | | - | - | - | - |
| 16.4.4. Perform Casket Annual Inspection | 5 | | | | | | | - | - | - | - |
| 16.5. USE TEST EQUIPMENT TR: APPLICABLE EQUIPMENT TO(S)/MANUALS | | | | | | | | | | | |
| 16.5.1. Power Meter | 7 | | | | | | | - | - | - | - |
| 16.5.2. Oscilloscope | 7 | | | | | | | - | - | - | - |
| 16.5.3. Spectrum Analyzer | 7 | | | | | | | - | - | - | - |
| 16.5.4. Signal Generator | 7 | | | | | | | - | - | - | - |
| 16.5.5. Digital Multimeter | 5 | | | | | | | - | - | - | - |