DEPARTMENT OF THE AIR FORCE
Headquarters US Air Force
Washington, DC 20330-1030

CFETP 2A0X1K
Parts I and II
1 January 2014

AFSC 2A0X1K

AVIONICS TEST STATION AND COMPONENTS A-10/B-2/C-17/CV-22/F-16/AFSOC

CAREER FIELD EDUCATION AND TRAINING PLAN

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AVIONIC TEST STATIONS AND AIRCRAFT COMPONENTS SPECIALIST
CAREER FIELD EDUCATION AND TRAINING PLAN
A-10/B-2/C-17/CV-22/F-16/AFSOC
AFSC 2A0X1K

PART I

PREFACE

1. This Career Field Education and Training Plan (CFETP) is a comprehensive education and training document that identifies life-cycle education/training requirements, training support resources, and minimum core task requirements for 2A0X1K, Avionic Test Stations and Components Specialty. The CFETP will provide personnel a clear career path to success and instill rigor in all aspects of career field training. This CFETP supersedes 2A0X1S CFETP dated 1 October 2008. The official CFETP can be found at the Air Force E-Publishing website: http://www.e-publishing.af.mil/ . **NOTE**: Civilians occupying associated positions will use Part II to support duty position qualification training.

2. **CFETP Parts.** The CFETP consists of two parts. Supervisors will use both parts to plan, manage, and control 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 plans for the career field.

2.2. Part II includes the following: Section A provides an explanation of AETC course objectives and trained proficiency levels. 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 MAJCOM unique training requirements supervisors can use to determine additional training required for the associated qualification needs. At unit level, supervisors and trainers will use Part II to identify, plan, and conduct training commensurate with the overall goals of this plan. 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 Career Development Course (CDC) requirements.

ABBREVIATIONS/TERMS EXPLAINED

Advanced Training. Formal course, which provides individuals who are qualified in their Air Force Specialty (AFS) with additional skills/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.

Bridge Course. A formal or informal course, which allows the individual to expand his/her knowledge in another area of expertise.

Career Development Course (CDC).--Self-study correspondence course to provide Airmen with fundamental knowledge of their AFS.

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. This is additional training that exceeds minimum upgrade requirements and has an emphasis on present or future duty assignments.

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

Course Training Standard (CTS). A formal course document that identifies in board terms the training members will receive in a specific course.

Enlisted Specialty Training (EST). A mix of formal AETC training and On-The-Job (OJT) training 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.

Go/No Go Level. In OJT, the stage at which an individual has gained enough skill, knowledge and experience to either be qualified to perform an identified task without assistance or cannot perform the task without assistance.

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

Initial Skills Training. A formal school course that results in the award of a 3-skill level AFSC.

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.

Maintenance Information System (MIS). Systems and applications that support and enable maintenance business processes. Used to document maintenance actions. Provides maintenance supervisors with products to evaluate organizational effectiveness and aid in decision-making processes at all levels.

Maintenance Supply Liaison (MSL). Monitors overall maintenance and supply interface, resolves supply support problems, and coordinates supply-related training needs.

Master Task Listing (MTL). Document maintained within the work-center that identifies all tasks performed in a work-center. This includes core, critical position qualification and wartime tasks. This document can be automated.

Master Training Plan. A comprehensive work-center training plan that may include MTLs, QTPs, AFJQS, CFETP, task breakdowns, commercial publications and any other document that supports training.

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 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 either in residence or exportable advanced training courses, or on-the-job training, provided 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 CFETP that describes an Air Force Specialty 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 AFSC are taught in formal schools, Career Development Courses (CDC), and exportable courses.

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

Task Certifier. See Certification Official

Training Business Area (TBA). – Net-Centric, GCSS-AF IF Web-Based application providing Air Force War fighters with global, real-time visibility into the technical qualifications, certifications and training status of logistics, communications and information professionals Air Force wide. TBA supports base, wing and work center level training management activities by automating training management business processes. The primary users of TBA will be any personnel directly involved in base level training management and certification activities. TBA is being developed and maintained by 754th Electronic Systems Group, Installation and Logistics, Maintenance Flight (754 ELSG/ILM) at Maxwell-Gunter AFB.

Training Detachment (TD). An AETC detachment that provides maintenance oriented technical training, at an operational location, on specific systems including their aerospace ground equipment or in 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 resident school, on-the-job, field training, mobile training team, self-study, etc.).

Upgrade Training (UGT). A mixture of mandatory courses, task qualification, QTPs, and CDCs required for award of the 3-, 5-, 7-, or 9-skill levels.

Utilization and Training Workshop (U&TW). A forum that is convened and chaired on a recurring basis by the AF Career Field Manager (AFCFM), designed to review the appropriate 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 and include MAJCOM Air Force Specialty Code (AFSC) Functional Managers, AETC training personnel and Subject Matter Experts (SMEs).

PART 1

SECTION A - GENERAL INFORMATION

1. Purpose. This CFETP provides the information necessary for the AFCFM, MFMs, 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 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:

1.1. Lists training courses available in the specialty, identifies sources of training and the training delivery method.

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

2. 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.

2.1. AETC training personnel will develop/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.

2.2. MFMs will ensure their training programs complement the CFETP mandatory initial, upgrade, and proficiency requirements. OJT, resident training, contract training, or exportable courses can satisfy these identified requirements. MAJCOM developed training to support this AFSC must be identified for inclusion in this plan and must not duplicate other available training resources.

2.3. 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.

3. Coordination and Approval of the CFETP. The AFCFM is the approval authority for the CFETP. The AETC training manager for AFSC 2A0X1K will initiate an annual review of this document by AETC and MFM to ensure currency and accuracy. The using MAJCOM representatives and AETC training personnel will identify and coordinate on the career field training requirements. Using the list of courses in Part II, they will eliminate duplicate training.

SECTION B - CAREER FIELD PROGRESSION AND INFORMATION

4. **Specialty Descriptions.**

4.1. **Specialty Summary.** Performs and manages avionic test station functions and activities. Operates, inspects, maintains, programs, and calibrates computer and manually operated avionic test equipment, support equipment (SE), and aircraft avionic systems components. Related DoD Occupational Subgroup: 119800.

4.2. Duties and Responsibilities:

4.2.1. Avionics Test Station and Aircraft Components Specialist Apprentice and Journeyman: Analyzes performance and isolates malfunctions of avionic test equipment, SE, and aircraft components. Performs operational tests on test equipment, SE, and aircraft components to determine condition, analyze performance, and isolate malfunctions in the radar, sensors, communications, weapons control, electronic warfare (EW), and flight control and engine control systems. Traces logic, schematic, test flow, and wiring diagrams. Uses self-test and software functions, computer and manually operated avionic test equipment, SE, and test measurement and diagnostic equipment to determine the scope of repair and adjustment required. Inspects, maintains, programs, and calibrates avionic equipment, SE, and aircraft components. Removes and replaces assembly components using hand tools, soldering devices, and electronic instruments. Repairs amplifier and logic circuits; microwave equipment; servomechanisms; radio frequency circuits; video displays; and power supply circuits. Loads computer programs. Aligns, calibrates, and modifies avionic test equipment, SE, and aircraft components.

4.2.2. Avionics Test Station and Aircraft Components Specialist Craftsman: Manages integrated avionic activities and complies with directives, policies, and procedures. Complies with maintenance standards. Initiates deficiency reports, maintenance analysis documents, technical data changes, and equipment records. Interprets, establishes, and complies with training, security, and safety standards. Ensures compliance with directives governing handling, use, and disposal of hazardous waste and material. Records information on data collection forms and automated systems. Directs and controls maintenance, calibration, and inspection of integrated avionic test stations and aircraft components. Plans and organizes integrated avionic activities. Plans and organizes integrated avionic equipment assembly, calibration, repair, modification, and maintenance activities. Plans physical layout of facilities, and ensures SE and spare parts availability.

4.2.3. Maintenance Superintendent: Manages and directs maintenance functions and activities. Included are areas of avionic sensors, communications and navigation, guidance and control, airborne warning and control radar, inertial and radar navigation, airborne command post communication systems, avionic test stations, electronic warfare (EW) systems, and avionic support equipment. Related DoD Occupational Subgroup: 110200.

5. Career Skill Progression. Adequate training and timely progression from the apprentice to the superintendent skill level play 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 8.1 **Enlisted Career Path** in conjunction with information below to manage career skill progression.

5.1. Apprentice (3-level): Upon completion of initial skills training, a trainee will work with a trainer to enhance their knowledge and skills. They will utilize the Career Development Course, Task Qualification Training and available exportable courses for continued advancement. Once task certified, a trainee may perform the task unsupervised. Apprentices can be considered for appointment as unit trainers after completion of a formal trainer course.

5.2. Journeyman (5-level). Once upgraded to the 5-level, the journeyman will enter into continuation training to broaden their experience base by increasing their knowledge and skill in troubleshooting and solving more complex problems. Five-levels may be assigned job positions such as quality assurance and various staff positions. After having 48 months in the Air Force, 5-levels will attend Airman Leadership School (ALS) to enhance their Professional Military Education (PME). Five-levels will be considered for appointment as unit trainers. Individuals will use their CDCs to prepare for Weighted Airman Promotion testing. They should also consider continuing their education toward a Community College of the Air Force (CCAF) degree.

5.3. Craftsman (7-level): A craftsman can expect to fill various supervisory and management positions such as shift leader, element NCOIC, flight/section chief, and task certifier. They can also be assigned to work in staff positions. Craftsmen should take courses to obtain added knowledge on management of resources and personnel. Continued academic education through CCAF and higher degree programs is encouraged. In addition, when promoted to TSgt, individuals will complete the Noncommissioned Officer Academy.

5.4. Superintendent (9-level): A 9-level can be expected to fill positions such as flight chief, production supervisor, and various staff NCOIC jobs. Additional training in the areas of budget, manpower, resources, and personnel management should be pursued through continuing education. Additional higher education and completion of courses outside their career AFSC are also recommended.

6. **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 Aircraft Components Career Field. The spectrum includes a strategy for when, where, and how to meet these training requirements. The strategy must be apparent and affordable training to reduce duplication of training and eliminate a disjointed approach to training. The following training decisions were made by MAJCOM Functional Managers and Subject Matter Experts (SMEs) at the career field Utilization and Training Workshop held at Sheppard AFB, 5-13 April 2012.

6.1. Initial Skills: The working group was tasked with reviewing the entire Specialty Training Standard of the 2A0X1S career field. Each STS line item was evaluated based on capability and method of training, redundancy of documentation and applicability. OAR data was used to scrub requirements to determine whether items were suited for formal training. The 2A0X1S career field was restructured into two shreds; the 2A0X1K for the B-1, E-8, and F-15 aircraft, and the 2A0X1K for all other aircraft with back shop maintenance responsibilities. The new 2A031K initial skills course is estimated to be 47 days in length and will be sufficient to satisfy all initial skills training requirements.

6.2. Five-Level Upgrade Training: The 5-level CDCs will consist of three volumes. Upgrade requirements also include completion of core tasks and identified work center requirements for their assigned weapons system. Completion of Advanced Wire Maintenance Course J4AMP30000 A48A PDS Code ZIZ is required.

6.3. Seven-Level Upgrade Training: Completion of the 2AX7X CDC is required. Airmen in upgrade training for 2A0X1K 7-level will be task qualified on all core tasks and identified work center requirements for their assigned weapons system.

6.4 Continuation Training: All Continuation Training will be accomplished with OJT.

7. Higher Education and Advanced Certification Opportunities. Higher education and advanced certification is a personal choice that is encouraged for the professional development of the entire Enlisted Force. Listed below are some current opportunities:

7.1 Community College of the Air Force (CCAF) Academic Programs. Enrollment in CCAF occurs upon completion of basic military training (BMT). CCAF provides the opportunity to obtain an Associate in Applied Sciences Degree. In addition to its associate degree program, CCAF offers the following:

7.1.1. CCAF Instructor Certification. CCAF offers the CCAF Instructor Certification (CIC) Program for qualified instructors who teach CCAF collegiate-level credit awarding courses at a CCAF affiliated school. The CIC is a professional credential that recognizes the instructor's extensive faculty development training, education and qualification required to teach a CCAF course, and formally acknowledges the instructor's practical teaching experience. Qualified officer, enlisted, civilian and other service instructors are eligible for this certification.

7.1.2. Professional Manager Certification (PMC) Program. CCAF offers the PMC for qualified senior Air Force enlisted personnel who have demonstrated an advanced level of professional accomplishment. The purpose of the certification is to recognize the individual's outstanding education and training required to lead and manage Air Force personnel and critical national defense assets. The certification also formally acknowledges the individuals management qualifications and experience. Qualified Air Force enlisted personnel are eligible for this certification. To learn more and enroll in the program, visit CCAF's website at http://www.au.af.mil/au/ccaf/certifications.asp.

7.1.3. FAA Airframe and Power plant (A&P) Certification. CCAF offers the Air Force A&P Certification Program for active duty, guard and reserve aircraft maintenance technicians in specific AFSCs. The program is designed to bridge gaps between Air Force education, training and experience and FAA eligibility requirements per Title 14, Code of Federal Regulations (CFR), Part 65.77. The program benefits the Air Force by broadening the skill sets and professional development of our technicians, producing a more skilled and diverse aircraft maintenance professional. The program directly supports the mission of CCAF in that FAA certification of our aircraft maintenance technicians enhances combat readiness, contributes to recruiting and retention and supports career transition of highly skilled technicians. To learn more and enroll in the program, visit CCAF's website at http://www.au.af.mil/au/ccaf/certifications.asp.

7.1.4. Other Certification Programs. CCAF is actively pursuing other licensure and certification opportunities related to specific career fields. To learn more about other certification opportunities visit CCAF's website at http://www.au.af.mil/au/ccaf/certifications.asp .

7.2. Degree Requirements: All airmen are automatically entered into the CCAF program. Prior to completing an associate's degree, the 5-level must be awarded and the following requirements must be met:

	Semester Hours
Technical Education	24
Leadership, Management, and Military Studies	6
Physical Education	4

General Education 15
Program Elective 15
Technical Education; Leadership, Management, and Military Studies; or General Education
Total 64

7.2.1. Technical Education (24 Semester Hours): A minimum of 12 semester hours of Technical Core subject courses must be applied and the remaining semester hours are applied from Technical Core/Technical Elective courses.

7.2.2. Leadership, Management, and Military Studies (6 Semester Hours): Professional military education and/or civilian management courses.

7.2.3. Physical Education (4 Semester Hours): This requirement is satisfied by completion of Basic Military Training.

7.2.4. General Education (15 Semester Hours): Courses must meet the definition of General Education subjects/courses as provided in the CCAF General Catalog.

7.2.5. Program Electives (15 Semester Hours): Satisfied with applicable Technical Education; Leadership, Management, and Military Studies; or General Education subjects/courses, including natural science courses meeting general education application criteria. Six semester hours of CCAF degree-applicable technical credit otherwise not applicable to this program may be applied. See the *CCAF General Catalog* for details regarding the Associates of Applied Science for this specialty.

7.3. AETC Instructor Requirements: Additional off-duty education is a personal choice that is encouraged for all. Individuals desiring to become an AETC Instructor must possess as 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.

8. Enlisted Career Path. Table 8.1 identifies career milestones for the 2A0X1 Air Force Specialty.

Table 5.1 Enlisted Career Path				
Education and Training Requirements	**Grade Requirements**			
	Rank	Average Sew-On	Earliest Sew-On	High Year Of Tenure (HYT)
Basic Military Training School				
Apprentice Technical School (3-Skill Level)	Amn A1C	6 months 16 months		
Upgrade To Journeyman (5-Skill Level) - Minimum 12 months on-the-job training. - Minimum 9 months on-the-job training for retrainees. - Complete all 5-level core tasks on one MDS. - Complete appropriate CDC if/when available.	Amn A1C SrA	6 months 16 months 3 years	28 months	8 Years
Airman Leadership School (ALS) - Must be a SrA with 48 months time in service or be a SSgt Selectee. - Resident graduation is a prerequisite for SSgt sew-on (Active Duty Only).				
Trainer - Qualified and certified to perform the task to be trained. - Must attend formal OJT Trainer Course	**Certifier** - Be at least a 5-skill level SSgt; and qualified and certified to perform the task being certified - Attend formal OJT Trainer Course - Be a person other than the trainer except for AFSCs, duty positions, units and/or work centers with specialized training standardization and certification requirements.			
Upgrade To Craftsman (7-Skill Level) - Minimum rank of SSgt. - Minimum 12 months on-the-job training. - Minimum 6 months on-the-job training for retrainees. - Complete all 5- and 7-level core tasks on one mission design aircraft. - Complete appropriate CDC if/when available. - Attend Craftsman course, if applicable.	SSgt	5.1 years	3 years	15 Years
Noncommissioned Officer Academy (NCOA) - Must be a TSgt or TSgt Selectee. - Resident graduation is a prerequisite for MSgt sew-on (Active Duty Only).	TSgt MSgt	11.1 years 16.8 years	5 years 8 years	20 Years 24 Years
USAF Senior NCO Academy (SNCOA) - Must be a MSgt or SMSgt Selectee . - Resident graduation is a prerequisite for SMSGT sew-on.	SMSgt	21 years	11 years	26 Years
Upgrade To Superintendent (9-Skill Level) - Minimum rank of SMSgt.	CMSgt	24 years	14 years	30 Years

SECTION C - SKILL LEVEL TRAINING REQUIREMENTS

9. 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 Part II, Section E, Specialty Training Standard (STS).

10. Specialty Qualification Requirements.

10.1. Knowledge: Knowledge is mandatory of: electrical theory and avionic fundamentals, including solid-state, binary, digital, octal, and hexadecimal numbering systems; metrology principles; computer logic, and programming principles and language; printed circuitry; microwave, radar, and electronic warfare principles; micro-miniature solid state devices; operating principles of avionic components supported by test stations; electrically actuated mechanical device theory; operating principles of basic measuring and testing devices; interpreting schematic, logic, data flow, and wiring diagrams; interpreting programming tables and technical publications; using, caring for, and applying special, standard, and common hand tools; interpreting testing, measuring, and referencing devices; concepts and application of applicable maintenance directives; Air Force supply procedures; and use and disposal of hazardous waste and material.

10.2. Education: Completion of high school is desirable with courses in physics, algebra, trigonometry, and computer principles.

10.3. Training. The following training is mandatory for award of the AFSC indicated:

10.3.1. 2A031K. Completion of the avionic fundamentals (if applicable) and the apprentice avionic systems course for the applicable suffix.

10.3.2. 2A051K. Completion of applicable Field Training Detachment (FTD) course(s) listed on the CAF Mandatory Course List (MCL) IAW AFI 36-2232, Maintenance Training.

10.3.3. 2A071K. Completion of the 2AX7X CDC.

10.4. Experience. The following experience is mandatory for award of the AFSC indicated:

10.4.1. 2A051K. Qualification in and possession of AFSC 2A031K. Also, experience in functions such as isolating malfunctions, installing line replaceable units, and using AGE necessary to maintain avionic systems.

10.4.2. 2A071K. Qualification in and possession of AFSC 2A051K. Also, experience performing or supervising functions such as installing, maintaining, or inspecting avionic systems.

10.5. For entry into this specialty: Normal color vision as defined in AFI 48-123, Medical Examinations and Standards.

10.6. For award and retention of AFSCs 2A051K/71K, must maintain an Air Force Network License according to AFI 33-115, Vol 2, Licensing Network Users and Certifying Network Professionals.

10.7. Specialty requires routine access to Secret material or similar environment. For award and retention of AFSCs 2A0X1/X, completion of a current National Agency Check, Local Agency Checks and Credit (NACLC) according to AFI 31-501, Personnel Security Program Management.

11. Training Sources:

11.1 Apprentice Level Training: The initial skills courses will provide the required knowledge and qualification training. Training encompasses basic electronic principles, system theory and operation, system components and component removal and installation. Additionally, introduction to maintenance concepts, general flight line maintenance practices, use of technical publications, maintenance documentation, and support equipment are provided.

11.2 Journeyman Level Training: The 5-level CDC provides the career knowledge training required. Qualification training and OJT will provide training and qualification on the core tasks identified in the STS. The CDC is written to build from the trainee's current knowledge base, and provides more in-depth knowledge to support OJT requirements.

11.3 Craftsman Level Training: Seven-level upgrade training will be conducted by certified trainers using AF core tasks and unit/MAJCOM specific courses. The 7-level CDCs are written to provide advanced, management and supervisory knowledge, and troubleshooting skills.

11.4. Superintendent Level Training (9-Level): Unit OJT will be used for training. In addition to 7-level qualifications, an individual must possess advanced skills and knowledge of concepts and principles in the management of aircraft maintenance. The 9-level needs to be an effective leader; must be able to forecast, budget and manage funds and other resources; and must be knowledgeable of federal and local environmental standards and 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. No resource constraints identified.
14. Journeyman Level Training. No resource constraints identified.
15. Craftsman Level Training. No resource constraints identified.

SECTION E – TRANSITIONAL TRAINING GUIDE- There are no transitional 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 Air Education and Training Command for classes beginning 24 April 2014. The STS is organized in attachments to this document for "General" training requirements (applicable to all MDS) and individual attachments for each MDS, Pods, and Avionics Fundamentals.

2. Purpose: As prescribed in AFI 36-2201, this STS (Refer to applicable attachments):

2.1. Lists in column 1 (Task, Knowledge, and Technical Reference) the most common tasks, knowledge, and technical references (TR) necessary for airmen to perform duties in the 3-, 5-, and 7-skill level. All task/knowledge taught in the initial skills courses will be taught in the wartime initial skills courses.

2.2. Identifies in column 2 (Core Tasks), by asterisk (*), specialty-wide training requirements. Certification on all shop/flight line core tasks must be completed for skill level upgrade. When a base has multiple MDSs or blocks assigned, trainees are only required to complete core task training on MDSs or blocks assigned to their unit of assignment.

2.3. Column 3 provides certification for OJT. It is used to record completion of tasks and knowledge training requirements. Use automated training management systems to document technician qualifications, if available. Task certification must show a certification/completed date.

2.4. Column 4 (Proficiency Codes) show formal training and correspondence course requirements and shows the proficiency to be demonstrated on the job by the graduate as result of training on the task/knowledge and the career knowledge provided by the correspondence course. When two codes are used in columns 4A and 4B (e.g., 2b/b), the first code is the established requirement for resident training on the task/knowledge, and the second code indicates the level of training provided in the course due to equipment shortages or other resource constraints. See CADRE/AFSC/CDC listing maintained by the unit-training manager for current CDC listing.

3. Qualitative Requirements: Attachment 1 contains the proficiency code key used to indicate the level of training and knowledge provided by resident training and career development courses.

4. Job Qualification Standard: The STS becomes a job qualification standard (JQS) for on-the-job training when placed in Training Business Area (TBA), On-The-Job Training Record, and used according to AFI 36-2201. For OJT, the tasks in column 1 are trained and qualified to the go/no go level. "Go" means the individual can perform the task without assistance and meets local requirements for accuracy, timeliness, and correct procedures. When used as a JQS, the following requirements apply:

4.1 Documentation. Document and certify completion of training IAW AFI 36-2201. Load the tasks into TBA, as a JQS add them to the applicable Individual Training Plan (ITP).

4.1.1. Transcribing from Old CFETP to New CFETP. Transcribing documentation to a new CFETP is an administrative function, not a re-evaluation of training. Therefore, supervisor and trainer are considered

synonymous for the purpose of documentation. Use the new CFETP to identify past and current training requirements and to transcribe qualifications from the previous CFETP. Annotate TBA journal entry, (for example, —I certify the information contained in the CFETP dated XX was transcribed to the CFETP dated XX, and the trainee was given the superseded CFETP. Signed and dated by supervisor and trainee). Document and certify all previous and current training IAW AFI 36-2201.

5. Specialty Knowledge Tests (SKT). The STS serves as a guide for development of promotion tests used in the Weighted Airman Promotion System (WAPS). SKTs are developed at the USAF Occupational Measurement Squadron, by Senior NCOs with extensive practical experience in their career fields. 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 Program*. WAPS is not applicable to the Air National Guard or Air Force Reserve.

6. Recommendations: Comments and recommendations are invited concerning the quality of training AETC graduates received. A 782 TRG Customer Service Information Line (CSIL) is available for supervisors to identify a graduate's 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 B – Course Objectives

7. Introduction. Each proficiency coded STS task or knowledge item taught at the technical school is measured through the use of an objective. An objective is a written instruction for the student so he or she knows what is expected of them to successfully complete training on each task. Each objective is comprised of a condition, behavior, and standard that states what is expected of the student for each task. The condition is the setting in which the training takes place (i.e., TOs, type of equipment, etc.). The behavior is the observable portion of the objective (i.e., perform an operational check). The standard is the level of performance that is measured to ensure the STS proficiency code level is attained (i.e. "with no more than two instructor assists")

8. Objective Measurement. Each objective uses a letter code(s) to identify how it is measured. All objectives using the **PC** code indicate a progress check is used to measure subject or task knowledge. **W** indicates a comprehensive written test and is used to measure the subject or task knowledge at the end of a block of instruction. **PC/W** indicates a subject or task knowledge progress check and a separate measurement of both knowledge and performance elements using a written test.

9. Objective Standard. The standard for written examinations is 70%. Standards for performance objectives are indicated in the objective and are also indicated on the individual progress check checklist. The checklist is used by the instructor to document each student's progress, on each task. Instructor assistance is provided as needed during the progress check, and students may be required to repeat all or part of the behavior until satisfactory performance is attained. Students must satisfactorily complete all PCs prior to taking the written test.

10. Proficiency Level. Review column 4A of the STS to determine the proficiency level of a particular task or knowledge item. Review the proficiency code key in Part II, Section A of this CFETP for an

explanation of the proficiency codes. 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.

Section C - Support Material. There are currently no support material requirements. This area is reserved

Section D - Training Course Index.

11. Purpose. This section of the CFETP identifies training courses available for the 2A0X1K Systems Specialty and shows how the courses are used by each MAJCOM in their career field training programs. For further information on the following courses, contact the OPR at:

365 TRS/TRR
511 9th Ave STE 1
Sheppard AFB, TX 76311-2338
DSN 736-7901

12. Air Force In-Resident Courses.

COURSE NO.	COURSE TITLE	LOCATION	USER
E3AQR2A031K048A	Avionics Fundamentals, Test Stations and Aircraft Components	Keesler AFB	AF
J3ABR2A031K048A	Avionics Test Stations and Aircraft Components, A-10/B-2/C-17/CV-22/F-16/AFSOC	Sheppard AFB	AF

13. Extension Course Program, AU/A4L, Courses (CDCs) website: http://www.au.af.mil/au/afiadl/.

COURSE NO.	COURSE TITLE	USER
CDC 2A051K	Avionic Test Station and Aircraft Component Journeyman	AF
CDC 2AX7X	Aerospace Maintenance Craftsman	AF

Section E - MAJCOM Unique Requirements.

The Combat Air Forces Mandatory Course Listing (CAF/MCL) 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. All CAF/MCL courses will be identified as a priority on the AF Form 898. The CAF/MCL applies to ACC, AETC, USAFE and PACAF personnel/units. The CAF/MCL does not apply to Air National Guard (ANG) or Air Force Reserve Command (AFRC) members and units. However, it does apply to Total Force integrated units (Active Duty personnel

assigned to Guard bases). The CAF/MCL is posted to the ACC/A4Q at web site (under "Libraries"): https://cs3.eis.af.mil/sites/OO-TE-AC-42.

BY ORDER OF THE SECRETARY OF THE AIR FORCE

OFFICIAL

JUDITH A. FEDDER, Lt General, USAF
DCS/Logistics, Installations & Mission Support

Attachments 9
1. Proficiency Code Key (Mandatory)
2. General Training Requirements (Mandatory)
3. A-10 Training Requirements
4. F-16 Training Requirements
5. B-2 Training Requirements
6. C-17 Training Requirements
7. AFSOC Training Requirements
8. Avionics Fundamentals (Mandatory)
9. 2AX7X CDC Requirements (Mandatory)

Proficiency Code Key

CFETP 2A0X1K

This Block Is For Identification Purposes Only		
Name Of Trainee:		
Printed Name (*Last, First, Middle Initial*)	**Initials** (Written*)*	**SSAN** (last 4 only)

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 and why 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. (Example: 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 show that training is required but not given/reduced due to limitations in resources. (3c/b, 2/b/b, 3c/-, etc.)

X This mark is used alone in course columns to show that training is required but not given due to limitations in resources.

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

Attachment 1

GENERAL TRAINING REQUIREMENTS

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
2 ATTACHMENT 2, GENERAL TRAINING REQUIREMENTS											
2.1 CAREER LADDER PROGRESSION TR: AFECD											
2.1.1 Progression in career ladder								-	-	-	-
2.1.2 Duties of AFSC								-	-	-	-
2.2 SECURITY TR: DODR 5200-1; AFSSI 4100; AFIs 31-401, 21-109, 31-101 Vol 1, 10-1101											
2.2.1 COMSEC/EMSEC											
2.2.1.1 Security violations prevention								A	B	-	-
2.2.1.2 Identify security precautions								A	B	-	-
2.2.2 Physical Security TR: AFI 31-101V1, DODR 5200-8											
2.2.2.1 Classified equipment								A	B	-	-
2.2.2.2 Classified information								A	B	-	-
2.2.2.3 Command, Control, Communications and Computer (C4) systems security								-	-	-	-
2.2.2.4 System security classification guides TR: Applicable weapons security guides								-	A	-	-
2.2.2.5 Operational Security (OPSEC) vulnerabilities of AFSC TR: AFI 10-701								A	-	-	-
2.2.2.6 Destruction of classified information								-	A	-	-
2.3 SUPERVISION TR: AFI 21-1001, AFPD 21-1, AFI 23-100 series and 22-101, TO 31-175											
2.3.1 Perform initial evaluation TR: AFMAN 36-2108, AFI 36-2201 V3								-	-	-	-
2.3.2 Orient new personnel TR: AFMAN 36-2108; AFIs 36-2201, 36-2103								-	-	-	-
2.4 TRAINING TR: AFI 36-2201											
2.4.1 Evaluate personnel to determine need for training TR: AFI 36-2201 V3								-	-	-	-
2.4.2 Maintain training records TR: AFI 36-2201 V3								-	-	-	-
2.4.3 Automated training records								A	-	-	-
2.5 AIR FORCE OCCUPATIONAL SAFETY AND HEALTH (AFOSH)											

GENERAL TRAINING REQUIREMENTS

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
PROGRAM											
2.5.1 Hazards and AFOSH STDS of AFSC 2A0X1 TR: AFIND 17, AFI 91-301								A	B	-	-
2.5.2 Work areas cleanliness and safety TR: AFOSH AFI 91-203								-	-	-	-
2.5.3 Safety Practices When Working With or in the Vicinity of											
2.5.3.1 Electrical power / high voltage TR: AFOSH STD 91-66; TOs 31-1-141-1, 33-1-32, 00-25-232								A	B	-	-
2.5.3.2 Compressed gases TR: AFOSH AFI 91-301; TOs00-25-234, 42B5-1-2, 42B7-3-1-1								A	B	-	-
2.5.3.3 Hand and power tools TR: TOs 00-25-234, 32-1-101, 32-1-151, 32-1-2								A	B	-	-
2.5.3.4 Radioactive materials TR: AFOSH STD 48-9, TO 31-1-141-9								-	-	-	-
2.5.3.5 High intensity sound TR: AFOSH STD 48-20								-	B	-	-
2.5.3.6 Lifting devices TR: AFOSH STD 91-46								A	B	-	-
2.5.3.7 Lasers safety TR: AFOSH STD 48-139; ANSI Z136-1.1, TOs 31-1-141-1, 31-1-141-3								-	-	-	-
2.5.3.8 RF Radiation								A	A	-	-
2.5.3.9 RF Overexposure								-	A	-	-
2.5.3.10 Cathode-Ray Tube (CRT)								-	A	-	-
2.6 HAZARDOUS MATERIALS & WASTE TR: AFI 32-7042, AFJMAN 23-209, AFOSH STDs 48-8, , 161-21, 161-21-1G, 161-21-1W, AFI 91-203 AFPAM32-7043, TO 42C-1-12											
2.6.1 Review MSDS								A	-	-	-
2.6.2 Identification								A	-	-	-
2.6.3 Handling								A	-	-	-
2.6.4 Storage and labeling								A	-	-	-
2.6.5 Disposal								A	-	-	-
2.6.6 Waste minimization								A	-	-	-
2.7 TECHNICAL PUBLICATIONS TR: AFPD 21-3; TOs 0-1-01, 00-5-1, 00-5-2, 00-5-3, 00-5-16, 00-5-17, 00-25-06-2-											

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
2, 51-1-06-1, 80-0-1											
2.7.1 Standard publications AFI 33-360 V1								-	A	-	-
2.7.2 USAF TO system management								-	-	-	-
2.7.3 USAF TO system function and application TOs 00-5-1, 00-5-15, 00-5-18								A	A	-	-
2.7.4 Computer Program Identification Number (CPIN) System/Automated Computer Identification Number (ACPIN) System TR: TOs 00-5-1, 00-5-16, 00-5-17, 00-5-18, AFI 10-703 and applicable data								A	A	-	-
2.7.5 Time compliance TO								-	A	-	-
2.7.6 Methods and procedures TOs TR: TO 00-5-1								-	A	-	-
2.7.7 TO Deficiency reporting procedures TR: TO 00-5-1								-	A	-	-
2.7.8 Electronic technical publications								-	A	-	-
2.7.9 Use TOs to Perform: TR: Applicable TOs											
2.7.9.1 Maintenance	*							2b	A	-	-
2.7.9.2 Part number research	*							2b	-	-	-
2.7.9.3 Schematics wiring/block diagrams and logic trees	*							2b	-	-	-
2.8 AIR FORCE SUPPLY DISCIPLINE TR: AFI 21-101											
2.8.1 Supply Discipline TR: AFMAN 23-110 Vol 2, Pt 13								A	A	-	-
2.8.2 Use supply cross references USAF S-2A-1, Us Federal Logistics Data (FEDLOG), D043								2b	-	-	-
2.9 SUPPLY PROCEDURES											
2.9.1 Asset requisition/turn-in TR: AFMAN 23-110, Vol 2, Pt 13, Chapt-3, Attach -3A-3								-	A	-	-
2.9.2 AF Form 2005								2b	-	-	-
2.9.3 Complete condition tags	*							2b	-	-	-
2.9.4 Product Improvement											
2.9.4.1 Deficiency reports TR: TO 00-35D-54, AFSCM 21-578, Vol 2								-	A	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
2.9.4.2 Input/review DR data								-	-	-	-
2.9.4.3 Warranty TR: AFM 64-110								-	A	-	-
2.10 MAINTENANCE MANAGEMENT AND INSPECTION TR: AFIs 21-101,38-101											
2.10.1 Duties and responsibilities of shop personnel								-	-	-	-
2.10.2 Levels of maintenance TR: AFI 21-101								A	A	-	-
2.10.3 Basic functions and responsibilities within the maintenance organization TR: AFIs 21-101, 38-101								A	A	-	-
2.10.4 Logistics and Resource Management											
2.10.4.1 Introduction to maintenance resource management								A	-	-	-
2.10.4.2 Logistics management TR: AFI 21-101								-	-	-	-
2.10.4.3 Resource management TR: AFI 65-601, Vol 1								-	-	-	-
2.10.5 Status reports TR: AFI 21-103								-	-	-	-
2.10.6 Maintenance incident report and prevention TR: AFIs 91-202, 91-204, 91-206								-	A	-	-
2.10.7 Mobility TR: AFH 10-416; AFIs 10-215, 10-403; AFMAN 10-100								-	-	-	-
2.10.8 Maintenance, Inspection Systems and Forms TR: TO 00-20-1, 00-20-14											
2.10.8.1 Inspections systems								A	A	-	-
2.10.8.2 Use maintenance forms TR: TO 00-20-1											
2.10.8.2.1 AFTO Form 350	*							2b	-	-	-
2.10.8.2.2 AFTO Form 349								-	-	-	-
2.10.8.2.3 AFTO Form 244	*							2b	A	-	-
2.10.8.2.4 AFTO Form 95								-	A	-	-
2.10.8.2.5 Calibration forms		*						2b	A	-	-
2.10.8.2.6 Document automated forms								-	-	-	-
2.11 JOB DATA DOCUMENTATION (JDD) (IMDS)											
2.11.1 Historical records	*							-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
2.11.2 Status reports	*							-	-	-	-
2.11.3 Configuration management AFI 21-101								-	-	-	-
2.12 MAINTENANCE DATA DOCUMENTATION (MDD)											
2.12.1 Fundamentals and application of MDD TR: TO 00-20-2								A	B	-	-
2.12.2 Reliability, Availability, Maintainability, Pod(RAMPOD) TR: TOs 33D7-3-326-8-1, 12P3-2A-198-1: CPIN											
2.12.2.1 Global eye principles								A	-	-	-
2.12.2.2 Perform maintenance transactions	*							b	-	-	-
2.12.2.3 Perform maintenance inquiries	*							b	-	-	-
2.12.3 G081											
2.12.3.1 Principles								A	B	-	-
2.12.3.2 Maintenance transactions								-	B	-	-
2.12.3.3 Maintenance inquiries								-	-	-	-
2.12.3.4 Supply transactions								-	B	-	-
2.12.4 Integrated Maintenance Data System (IMDS)											
2.12.4.1 IMDS principles								A	B	-	-
2.12.4.2 Maintenance transactions	*							2b	B	-	-
2.12.4.3 Maintenance inquiries	*							2b	-	-	-
2.12.4.4 Supply transactions	*							2b	B	-	-
2.12.4.5 Management/supervision/ training transactions								-	-	-	-
2.13 METROLOGY PRINCIPLES											
2.13.1 Use calibration correction charts								-	-	-	-
2.13.2 Calibrate torque devices								-	-	-	-
2.13.3 Traceability								-	-	-	-
2.13.4 Portable Automatic Test Equipment Calibrator (PATEC)											
2.13.4.1 PATEC characteristics								-	-	-	-
2.13.4.2 Operation		*						-	-	-	-
2.14 GENERAL MAINTENANCE PRACTICES											
2.14.1 Corrosion control								A	-	-	-
2.14.1.1 Clean equipment								-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
2.14.1.2 Lubricate equipment								-	-	-	-
2.14.1.3 Inspect equipment		*						-	-	-	-
2.14.1.4 Pack/unpack LRUs								-	-	-	-
2.14.2 Perform safety wiring TO 00-25-234								-	-	-	-
2.14.3 Clean optical surfaces IAW system Level TO								2b	-	-	-
2.14.4 Remove and replace SRUs	*							2b	-	-	-
2.14.5 Cable Repair TR: TO 00-25-234											
2.14.5.1 Perform cable lacing								-	-	-	-
2.14.5.2 Perform video splicing								-	-	-	-
2.14.5.3 Perform connector potting								-	-	-	-
2.14.6 Coaxial Cable											
2.14.6.1 Repair								-	-	-	-
2.14.6.2 Fabricate								-	-	-	-
2.14.7 Multipin Connectors/Cables											
2.14.7.1 Repair	*							-	-	-	-
2.14.7.2 Fabricate								-	-	-	-
2.14.8 Tools TR: TO AFI 21-101											
2.14.8.1 Inventory Composite Tool Kits (CTKs) TR: AFI 21-101	*							2b	-	-	-
2.14.8.2 Inspect Composite Tool Kits (CTK)								-	-	-	-
2.14.8.3 Use Tool Accounting System (TAS/TCMAX)	*							-	-	-	-
2.14.8.4 Tool accountability TR: AFI 21-101								-	A	-	-
2.14.8.5 Use common hand tools TR: AFOSH AFI 91-203, TO 32-1-101	*							2b	-	-	-
2.14.8.6 Use torque wrenches TR: TO 32B14-3-1-101, Applicable systems TOs	*							2b	B	-	-
2.14.9 Electrostatic Sensitive Device (ESD) TR: DoD HDBK 263, DoD STD 1686, MIL STD-129, TO 00-25-234											
2.14.9.1 Electrostatic Sensitive Discharge (ESD) principles								-	B	-	-
2.14.9.2 Perform Electrostatic Sensitive Discharge (ESD) procedures								2b	-	-	-
2.15 DIRECT SUPPORT EQUIPMENT											
2.15.1 Test Equipment Care and Handling TR: TO 00-85B-3, 1-1A-15, 31-1-141-14, 42C-1-1											

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
2.15.1.1 Prepare for shipment								-	-	-	-
2.15.1.2 Prepare for storage								-	-	-	-
2.15.1.3 Prepare for climate conditions								-	-	-	-
2.16 DATA TRANSFER EQUIPMENT											
2.16.1 Data transfer principles								-	A	-	-
2.16.2 Operate data transfer equipment								-	-	-	-
2.16.3 SERENE BYTE/PACERWARE Principles								-	A	-	-
2.17 ELECTRONIC WARFARE COMBAT FUNDAMENTALS											
2.17.1 Principles								A	-	-	-
2.17.2 Component types								A	-	-	-
2.18 RF FUNDAMENTALS											
2.18.1 Principles								A	B	-	-
2.18.2 Component types								A	B	-	-
2.18.3 Isolate/identify RF malfunctions	*							A	B	-	-
2.19 TEST STATION PRINCIPLES TR: APPLICABLE TEST STATION TO											
2.19.1 Power distribution								A	A	-	-
2.19.2 Emergency shutdown								-	-	-	-
2.19.3 Stimulus devices								A	A	-	-
2.19.4 Measurement devices								A	A	-	-
2.19.5 Computer control								A	A	-	-
2.19.6 Bus communications standard								A	A	-	-
2.19.7 Signal routing								A	A	-	-
2.20 SOFTWARE SYSTEM											
2.20.1 Theory of System Software Functions TR: Use Aircraft Specific TOs											
2.20.1.1 Control & Support (C&S) Software											
2.20.1.1.1 Test Operating System (TOS)								-	-	-	-
2.20.1.1.2 Test Executive (TEX)								-	-	-	-
2.20.1.1.3 On-Line Compiler (OLC)								-	-	-	-
2.20.1.1.4 File Manager (FMX)								-	-	-	-
2.20.1.1.5 Change Analysis (CAP)								-	-	-	-
2.20.1.2 Utility Programs											
2.20.1.2.1 Find align								-	-	-	-
2.20.1.2.2 CALS mods								-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
2.20.2 Software Procedures											
2.20.2.1 Execute Software Commands											
2.20.2.1.1 Control & Support Software											
2.20.2.1.1.1 TOS								-	-	-	-
2.20.2.1.1.2 TEX								-	-	-	-
2.20.2.1.1.3 OLC								-	-	-	-
2.20.2.1.1.4 CAP								-	-	-	-
2.20.2.1.1.5 FMX								-	-	-	-
2.20.2.1.2 Test Software											
2.20.2.1.2.1 ATE								-	-	-	-
2.20.2.1.2.2 ITA								-	-	-	-
2.20.2.1.2.3 LRU								-	-	-	-
2.20.2.1.3 Utility Programs											
2.20.2.1.3.1 Find align								-	-	-	-
2.20.2.1.3.2 CALS mods								-	-	-	-
2.20.2.2 Use software commands to isolate faults								-	-	-	-
2.21 TEST LANGUAGES TR: TOs 33D7-38-111-1-3, 33D7-38-111-18-1, 33D7-38-111-82; NA-84-110H											
2.21.1 Non-test statement Analysis											
2.21.1.1 Data declaration								2b	A	-	-
2.21.1.2 Calculate/compare								2b	A	-	-
2.21.1.3 Decision/branching								2b	A	-	-
2.21.1.4 Input/output/delay								2b	A	-	-
2.21.2 Test statement Analysis											
2.21.2.1 Analog stimulus								2b	A	-	-
2.21.2.2 Analog measurement								2b	A	-	-
2.21.2.3 Digital test								2b	A	-	-
2.21.3 Protocol theory								2b	A	-	-
2.21.4 System procedures								2b	A	-	-
2.21.5 Program structure								2b	A	-	-
2.22 AUTOMATIC TEST EQUIPMENT (ATE)											
2.22.1 Test software								-	-	-	-
2.22.1.1 Confidence tests (CONF)	*							-	-	-	-
2.22.1.2 Diagnostic tests (DIAG)	*							-	-	-	-
2.22.1.3 Alignment tests (ALIN)	*							-	-	-	-
2.22.1.4 Calibration tests (CALS)		*						-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
2.22.1.5 Interface Test Adapter (ITA)	*							-	-	-	-
2.22.1.6 Line Replaceable Unit (LRU)	*							-	-	-	-
2.22.2 Bus communications standard								-	-	-	-
2.22.3 Signal routing								-	-	-	-
2.23 USE TEST EQUIPMENT TR: APPLICABLE EQUIPMENT TO(S)/MANUALS											
2.23.1 Universal counter		*						-	-	-	-
2.23.2 Power meter		*						-	-	-	-
2.23.3 Frequency counter		*						-	-	-	-
2.23.4 Scalar network analyzer								-	-	-	-
2.23.5 Pulse generator		*						-	-	-	-
2.23.6 Sweep oscillator		*						-	-	-	-
2.23.7 Radio Frequency radiation monitor								-	-	-	-
2.23.8 Oscilloscope								-	-	-	-
2.23.9 Spectrum analyzer		*						-	-	-	-
2.23.10 Signal generator								-	-	-	-
2.24 AIRCRAFT SYSTEMS THEORY											
2.24.1 Radar systems								A	B	-	-
2.24.2 Navigation Systems											
2.24.2.1 Inertial Navigation (INS)								-	-	-	-
2.24.2.2 Tactical Air Navigation (TACAN)								-	-	-	-
2.24.2.3 Global Positioning System (GPS)								-	-	-	-
2.24.2.4 Identification Friend or Foe (IFF)								-	-	-	-
2.24.2.5 Visual Omni Range/ Instrument Landing System/Microwave Landing System (VOR/ILS/MLS)								-	-	-	-
2.24.2.6 Radio/RADAR Altimeter								-	-	-	-
2.24.2.7 Compass systems								-	-	-	-
2.24.3 Flight control systems								-	A	-	-
2.24.4 Weapons delivery systems								-	A	-	-
2.24.5 Embedded GPS/INS								-	A	-	-
2.24.6 Communication Systems											
2.24.6.1 UHF								A	B	-	-
2.24.6.2 VHF								-	-	-	-
2.24.6.3 HF								-	-	-	-
2.24.6.4 Interphone/PA system								-	A	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
2.24.7 Air Data systems								A	B	-	-
2.24.8 Electronic Counter Measures								-	-	-	-
2.24.9 Flight instruments								-	-	-	-
2.24.10 Bussing and multiplex systems								-	-	-	-
2.24.11 Avionic integration and control systems								-	A	-	-
2.24.12 Displays								-	-	-	-
2.24.13 Propulsion Management Systems											
2.24.13.1 Theory								-	-	-	-
2.25 COMMON MANUAL SYSTEMS											
2.25.1 Communication Systems											
2.25.1.1 UHF											
2.25.1.1.1 UHF System (AN/ARC164(C))											
2.25.1.1.1.1 Radio Test Set											
2.25.1.1.1.1.1 Theory of operation								-	-	-	-
2.25.1.1.1.1.2 Operate								-	-	-	-
2.25.1.1.1.1.3 Isolate/repair malfunctions								-	-	-	-
2.25.1.1.1.2 UHF R/T TR: TOs 12R2-2ARC164-Series											
2.25.1.1.1.2.1 Theory of operation								-	-	-	-
2.25.1.1.1.2.2 Perform maintenance testing								2b	-	-	-
2.25.1.1.1.2.3 Isolate/repair malfunctions								-	-	-	-
2.25.1.1.1.3 Radio Set Control TR: TOs 12R2-2ARC164-32, 12R2-2ARC164-92											
2.25.1.1.1.3.1 Theory of operation								-	-	-	-
2.25.1.1.1.3.2 Perform maintenance testing								-	-	-	-
2.25.1.1.1.3.3 Isolate/repair malfunctions								-	-	-	-
2.25.1.1.1.4 Channel Frequency Indicator TR: TO 12R2-2ARC164-32											
2.25.1.1.1.4.1 Theory of operation								-	-	-	-
2.25.1.1.1.4.2 Performance maintenance testing								-	-	-	-
2.25.1.1.1.4.3 Isolate/repair malfunctions								-	-	-	-

GENERAL TRAINING REQUIREMENTS

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
2.25.1.2 VHF											
2.25.1.2.1 Perform maintenance								-	-	-	-
2.25.1.2.2 Isolate/repair malfunctions								-	-	-	-
2.25.1.3 HF											
2.25.1.3.1 Perform maintenance								-	-	-	-
2.25.1.3.2 Isolate/repair malfunctions								-	-	-	-
2.25.2 Tactical Air Navigation (TACAN) Mount TR: TO 12R5-4-106-8-3											
2.25.2.1 Operational check								-	-	-	-
2.25.2.2 Troubleshoot/repair								-	-	-	-
2.25.3 Tactical Air Navigation (TACAN) R/T TR: TO 12R5-4-106-8-3											
2.25.3.1 Operational check								-	-	-	-
2.25.3.2 Troubleshoot/repair								-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
3 ATTACHMENT 3, A-10 TRAINING REQUIREMENTS											
3.1 IAISTEST STATION											
3.1.1 Emergency shutdown								-	-	-	-
3.1.2 Classified pre/post processing TO 33D7-38-291-2								-	-	-	-
3.1.3 Peculiar ATLAS statements TR: TO 33D7-38-291-18-2								-	-	-	-
3.1.4 Peculiar Subsystems TR: TO 33D7-38-291 Series											
3.1.4.1 Theory of Operation											
3.1.4.1.1 Interface Unit (IU)								-	-	-	-
3.1.4.1.2 Control and Display Unit (CDU)								-	-	-	-
3.1.4.1.3 Instrument Unit A (IUA)								-	-	-	-
3.1.4.1.4 Instrument Unit B (IUB)								-	-	-	-
3.1.4.1.5 Microwave Stimulus Unit (MSU)								-	-	-	-
3.1.4.1.6 Microwave Measurement Unit (MMU)								-	-	-	-
3.1.4.1.7 Power Control Unit (PCU)								-	-	-	-
3.1.4.1.8 Power Supply Unit (PSU)								-	-	-	-
3.1.4.1.9 Refrigeration unit								-	-	-	-
3.1.4.1.10 Blower unit								-	-	-	-
3.1.4.1.11 Frequency Changer Unit (FCU)								-	-	-	-
3.1.4.1.12 Optical Test Bench (OTB)								-	-	-	-
3.1.4.2 Isolate/Repair Malfunctions											
3.1.4.2.1 IU	*							-	-	-	-
3.1.4.2.2 CDU								-	-	-	-
3.1.4.2.3 IUA	*							-	-	-	-
3.1.4.2.4 IUB	*							-	-	-	-
3.1.4.2.5 MSU								-	-	-	-
3.1.4.2.6 MMU								-	-	-	-
3.1.4.2.7 PCU								-	-	-	-
3.1.4.2.8 PSU								-	-	-	-
3.1.4.2.9 Refrigeration unit								-	-	-	-
3.1.4.2.10 Blower unit	*							-	-	-	-
3.1.4.2.11 FCU								-	-	-	-
3.1.4.2.12 OTB								-	-	-	-
3.1.4.3 Perform Semi-Automatic Tests											

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
3.1.4.3.1 CONF	*							-	-	-	-
3.1.4.3.2 DIAG	*							-	-	-	-
3.1.4.3.3 ALIN	*							-	-	-	-
3.1.4.3.4 CALS		*						-	-	-	-
3.1.4.4 Perform Manual Alignment and Adjustment of:											
3.1.4.4.1 IU								-	-	-	-
3.1.4.4.2 IUA	*							-	-	-	-
3.1.4.4.3 IUB	*							-	-	-	-
3.1.4.4.4 PCU								-	-	-	-
3.1.4.4.5 PSU								-	-	-	-
3.1.4.4.6 Blower unit	*							-	-	-	-
3.1.4.4.7 FCU								-	-	-	-
3.1.4.4.8 OTB	*							-	-	-	-
3.2 AIS COMMON TEST STATION PROCEDURES TR: 33D7-38-111-1-series, 33D7-38-111-81-series, Applicable Test Station TOs											
3.2.1 Operating Procedures											
3.2.1.1 Perform turn-on procedures	*							-	-	-	-
3.2.1.2 Perform standby procedure	*							-	-	-	-
3.2.1.3 Perform shutdown procedures	*							-	-	-	-
3.2.1.4 Perform operator inspection	*							-	-	-	-
3.2.1.5 Perform Periodic Inspections											
3.2.1.5.1 30 day	*							-	-	-	-
3.2.1.5.2 90 day	*							-	-	-	-
3.2.1.5.3 180 Day		*						-	-	-	-
3.2.2 Perform Semi-Automatic Tests											
3.2.2.1 Emergency shutdown	*							-	-	-	-
3.2.2.2 Classified pre/post processing								-	-	-	-
3.2.3 Perform Manual Alignment and Adjustment of:											
3.2.3.1 SUMSS Shop Replaceable Units (SRUs)	*							-	-	-	-
3.2.3.2 LRU power/cooling subsystems								-	-	-	-
3.2.4 EPU/IEPU											
3.2.4.1 Theory of operation								-	-	-	-
3.2.4.2 Perform maintenance testing								-	-	-	-
3.2.4.3 Isolate/repair malfunctions								-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
3.2.5 IFCC											
3.2.5.1 Theory of operation								-	-	-	-
3.2.5.2 Perform maintenance testing								-	-	-	-
3.2.5.3 Isolate/repair malfunctions								-	-	-	-
3.3 MANUAL SUPPORT EQUIPMENT/ LRU MAINTENANCE											
3.3.1 Direction Finder Group Test Set (970V-1) TR: TO 33D2-8-363-1											
3.3.1.1 Operate								-	-	-	-
3.3.1.2 Isolate/repair malfunctions								-	-	-	-
3.3.1.3 Calibrate								-	-	-	-
3.3.2 Direction Finder Antenna (DF-301) TR: TO 12R5-4-154-1											
3.3.2.1 Theory of operation								-	-	-	-
3.3.2.2 Perform maintenance testing								-	-	-	-
3.3.2.3 Isolate/repair malfunctions								-	-	-	-
3.3.3 Antenna Test Set (AN/ARM-115) TR: TO 33D7-35-35-1											
3.3.3.1 Operate								-	-	-	-
3.3.3.2 Isolate/repair malfunctions								-	-	-	-
3.3.4 FM Antenna (437S-1C) TR: TO 12R2-4-95-1											
3.3.4.1 Theory of operation								-	-	-	-
3.3.4.2 Perform maintenance testing								-	-	-	-
3.3.4.3 Isolate/repair malfunctions								-	-	-	-
3.3.5 FM Signal Data Comparator TR: TO 12R2-2ARC186-2											
3.3.5.1 Theory of operation								-	-	-	-
3.3.5.2 Perform maintenance testing								-	-	-	-
3.3.5.3 Isolate/repair malfunctions								-	-	-	-
3.3.6 Miscellaneous Comm Systems											
3.3.6.1 Intercommunication Panel											
3.3.6.1.1 Test								-	-	-	-
3.3.6.1.2 Isolate/repair malfunctions								-	-	-	-
3.3.7 Weapons Control Systems											
3.3.7.1 HUD System LRU Test Set TR: TOs 33D2-46-5 series											
3.3.7.1.1 Operate								-	-	-	-
3.3.7.1.2 Isolate/repair malfunctions								-	-	-	-
3.3.7.1.3 Calibrate								-	-	-	-
3.3.7.2 HUD Boresight Fixture TR: TO 33D7-27-14-1											

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
3.3.7.2.1 Operate								-	-	-	-
3.3.7.2.2 Align								-	-	-	-
3.3.8 Stability Augmentation System (SAS)											
3.3.8.1 SAS Computer Test Set TR: TO 33D2-33-4-1											
3.3.8.1.1 Operate								-	-	-	-
3.3.8.1.2 Isolate/repair malfunctions								-	-	-	-
3.3.8.1.3 Calibrate								-	-	-	-
3.3.8.2 Rate Table TR: TO 33D3-10-36-1											
3.3.8.2.1 Operate								-	-	-	-
3.3.8.2.2 Isolate/repair malfunctions								-	-	-	-
3.3.8.2.3 Calibrate								-	-	-	-
3.3.8.3 SAS Control Panel TR: TO 5A13-5-17-3											
3.3.8.3.1 Theory of operation								-	-	-	-
3.3.8.3.2 Perform maintenance testing								-	-	-	-
3.3.8.3.3 Isolate/repair malfunctions								-	-	-	-
3.3.9 Fuel Quantity Indication System											
3.3.9.1 Fuel Quantity Test Set TR: TO 33D2-3-88-1											
3.3.9.1.1 Operate								-	-	-	-
3.3.9.1.2 Isolate/repair malfunctions								-	-	-	-
3.3.9.1.3 Calibrate								-	-	-	-
3.3.9.2 Fuel Quantity Intermediate Device TR: TO 5L3-2-4-3											
3.3.9.2.1 Theory of operation								-	-	-	-
3.3.9.2.2 Perform maintenance testing								-	-	-	-
3.3.9.2.3 Isolate/repair malfunctions								-	-	-	-
3.3.9.3 Fuel Quantity Indicator TR: TO 5L6-3-67-3											
3.3.9.3.1 Theory of operation								-	-	-	-
3.3.9.3.2 Perform maintenance testing								-	-	-	-
3.3.10 Air Data and Instrument Systems											
3.3.10.1 Pneumatic Test Set (TTU-205) TR: TO 33D7-3-60-31											

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
3.3.10.1.1 Operate								-	-	-	-
3.3.10.1.2 Troubleshoot								-	-	-	-
3.3.10.2 Altitude Encoder Test Set (TTU-229) TR: TO 33D7-3-101-11											
3.3.10.2.1 Operate								-	-	-	-
3.3.10.2.2 Isolate/repair malfunctions								-	-	-	-
3.3.10.3 HSI Test Set TR: 33D2-6-218-1											
3.3.10.3.1 Operate								-	-	-	-
3.3.10.3.2 Isolate/repair malfunctions								-	-	-	-
3.3.10.4 Universal Attitude Indicator Test Set TR: TO 33D3-17-9-1											
3.3.10.4.1 Operate								-	-	-	-
3.3.10.4.2 Isolate/repair malfunctions								-	-	-	-
3.3.10.5 Alpha-Mach Computer Test Set TR: TO 33D7-10-105-1											
3.3.10.5.1 Operate								-	-	-	-
3.3.10.5.2 Isolate/repair malfunctions								-	-	-	-
3.3.10.5.3 Calibrate								-	-	-	-
3.3.10.6 Standby Attitude Indicator Test Set TR: TO 33D2-6-225-1											
3.3.10.6.1 Operate								-	-	-	-
3.3.10.6.2 Isolate/repair malfunctions								-	-	-	-
3.3.10.6.3 Calibrate								-	-	-	-
3.3.10.7 Altimeter TR: TO 5F3-3-28-2											
3.3.10.7.1 Theory of operation								-	-	-	-
3.3.10.7.2 Perform maintenance testing								-	-	-	-
3.3.10.7.3 Adjust								-	-	-	-
3.3.10.8 Vertical Velocity Indicator TR: TO 5F8-9-12-3											
3.3.10.8.1 Theory of operation								-	-	-	-
3.3.10.8.2 Perform maintenance testing								-	-	-	-
3.3.10.9 Airspeed Indicator TR: TO 5F8-2-65-3											
3.3.10.9.1 Theory of operation								-	-	-	-
3.3.10.9.2 Perform maintenance								-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
testing											
3.3.10.10 Triple Airspeed Switch TR: TO 8S2-9-13-3											
3.3.10.10.1 Theory of operation								-	-	-	-
3.3.10.10.2 Perform maintenance testing								-	-	-	-
3.3.10.11 Standby Attitude Indicator (SAI) TR: TO 5F8-3-34-2											
3.3.10.11.1 Theory of operation								-	-	-	-
3.3.10.11.2 Perform maintenance testing								-	-	-	-
3.3.10.12 Alpha-Mach Computer TR: TO 5F5-9-4-3											
3.3.10.12.1 Theory of operation								-	-	-	-
3.3.10.12.2 Perform maintenance testing								-	-	-	-
3.3.10.12.3 Isolate/repair Malfunctions								-	-	-	-
3.3.10.13 Attitude Director Indicator (ADI) TR: TO 5F8-3-24-3											
3.3.10.13.1 Theory of operation								-	-	-	-
3.3.10.13.2 Perform maintenance testing								-	-	-	-
3.3.10.14 Horizontal Situation Indicator (HSI) TR: TO 5F8-16-5-2											
3.3.10.14.1 Theory of operation								-	-	-	-
3.3.10.14.2 Perform maintenance testing								-	-	-	-
3.3.11 Heading Attitude Reference System (HARS)											
3.3.11.1 HARS Test Set TR: TO 33D3-9-165-1											
3.3.11.1.1 Operate								-	-	-	-
3.3.11.1.2 Isolate/repair malfunctions								-	-	-	-
3.3.11.1.3 Calibrate								-	-	-	-
3.3.11.2 Scorsby Test Stand TR: TO 33D2-8-14-171											
3.3.11.2.1 Operate								-	-	-	-
3.3.11.2.2 Isolate/repair malfunctions								-	-	-	-
3.3.11.3 3-Axis Table TR: TO 33D3-10-32-1											

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
3.3.11.3.1 Operate								-	-	-	-
3.3.11.3.2 Adjust								-	-	-	-
3.3.11.4 Displacement Gyro TR: TO 5A1-9-4-2											
3.3.11.4.1 Theory of operation								-	-	-	-
3.3.11.4.2 Perform maintenance testing								-	-	-	-
3.3.11.4.3 Isolate/repair malfunctions								-	-	-	-
3.3.11.5 Electronic Control Amplifier TR: TO 5A1-9-4-2											
3.3.11.5.1 Theory of operation								-	-	-	-
3.3.11.5.2 Perform maintenance testing								-	-	-	-
3.3.11.5.3 Isolate/repair malfunctions								-	-	-	-
3.3.11.6 Compass System Controller TR: TO 5A1-9-4-2											
3.3.11.6.1 Theory of operation								-	-	-	-
3.3.11.6.2 Perform maintenance testing								-	-	-	-
3.3.11.6.3 Isolate/repair malfunctions								-	-	-	-
3.3.12 Flight Director System											
3.3.12.1 Flight Director Computer Test Set TR: TO 33D7-3-178-1											
3.3.12.1.1 Operate								-	-	-	-
3.3.12.1.2 Isolate/repair malfunctions								-	-	-	-
3.3.12.1.3 Calibrate								-	-	-	-
3.3.12.2 Flight Director Computer TR: TO 5F5-8-7-2											
3.3.12.2.1 Theory of operation								-	-	-	-
3.3.12.2.2 Perform maintenance testing								-	-	-	-
3.3.12.2.3 Isolate/repair malfunctions								-	-	-	-
3.3.13 A-10 General Avionic Components											
3.3.13.1 Navigation Mode Select Panel TR: TO 8C21-18-2											
3.3.13.1.1 Test								-	-	-	-
3.3.13.1.2 Isolate/repair								-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
malfunctions											
3.3.13.2 Navigation Mode Select Relay Box TR: TO 8R3-172-2											
3.3.13.2.1 Test								-	-	-	-
3.3.13.2.2 Isolate/repair malfunctions								-	-	-	-
3.3.13.3 Avionic Relay Box TR: TO 8R3-157-2											
3.3.13.3.1 Test								-	-	-	-
3.3.13.4 Antenna Select Control Panel Assembly TR: TO 8C21-2-2											
3.3.13.4.1 Test								-	-	-	-
3.3.13.4.2 Isolate/repair malfunctions								-	-	-	-
3.3.13.5 "G" Meter TR: TO 5F2-28-32											
3.3.13.5.1 Test								-	-	-	-
3.3.13.6 Intercommunication Panel TR: TO 12R2-2AIC18-2											
3.3.13.6.1 Test								-	-	-	-
3.3.13.6.2 Isolate/repair malfunctions								-	-	-	-
3.3.13.7 Magnetic Azimuth Detector Simulator TR: TO 33D2-8-368-1											
3.3.13.7.1 Calibrate								-	-	-	-
3.3.13.7.2 Isolate/repair malfunctions								-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
4 ATTACHMENT 4, F-16 TRAINING REQUIREMENTS (Units with multiple AIS platforms will only upgrade to 5/7 level on one platform as determined by workcenter supervisor)											
4.1 F-16 ADVANCED COMPUTER AVIONIC INTERMEDIATE SHOPS (AdvAIS)											
4.1.1 AdvAIS Common Test Station Components											
4.1.1.1 Theory of Operation											
4.1.1.1.1 Computer subsystem and peripherals TR: TOs 33D7-38-108 series, 33D7-47-115-1, 33DA7-77-1, 33DA104-10-series								-	-	-	-
4.1.1.1.2 Test station power/cooling TR: TOs 33D7-38-111-1-series, 33D7-38-111-51-series, 33D7-38-111-81-series, applicable test station TOs								-	-	-	-
4.1.1.1.3 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											
4.1.1.1.3.1 Switching CCA groups								-	-	-	-
4.1.1.1.3.2 Measurement (MSS) and Analog Interface Unit (AIU) CCA groups								-	-	-	-
4.1.1.1.3.3 Stimulus CCA group								-	-	-	-
4.1.1.1.3.4 Digital Interface Unit (DIU) CCA group								-	-	-	-
4.1.1.1.3.5 Synchro/resolver CCA group								-	-	-	-
4.1.1.1.3.6 Programmable Processor Control (PPC) CCA group								-	-	-	-
4.1.1.1.3.7 Power/cooling CCA groups								-	-	-	-
4.1.1.1.4 LRU power/cooling subsystems								-	-	-	-
4.1.1.2 Isolate/repair malfunctions											
4.1.1.2.1 Computer subsystem and peripherals								-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
4.1.1.2.2 Test station power/cooling								-	-	-	-
4.1.1.2.3 SUMSS TR: TOs 33D7-38-111-1-series, 33D7-38-111-51-series, 33D7-38-111-81-series, applicable test station TOs											
4.1.1.2.3.1 Switching CCA group	*							-	-	-	-
4.1.1.2.3.2 MSS and AIU CCA groups	*							-	-	-	-
4.1.1.2.3.3 Stimulus CCA group	*							-	-	-	-
4.1.1.2.3.4 DIU CCA group								-	-	-	-
4.1.1.2.3.5 Synchro/resolver CCA group								-	-	-	-
4.1.1.2.3.6 PPC CCA group								-	-	-	-
4.1.1.2.3.7 Power/cooling CCA groups								-	-	-	-
4.1.1.2.4 LRU Power/cooling subsystems TR: applicable test station -2 TOs								-	-	-	-
4.2 AdvAIS COMMON TEST STATION PROCEDURES TR: 33D7-38-111-1-series, 33D7-38-111-81-series, applicable test station TOs											
4.2.1 Operating Procedures											
4.2.1.1 Perform turn-on procedures	*							-	-	-	-
4.2.1.2 Perform standby procedure	*							-	-	-	-
4.2.1.3 Perform shutdown procedures	*							-	-	-	-
4.2.1.4 Perform operator inspection	*							-	-	-	-
4.2.1.5 Perform periodic inspections											
4.2.1.5.1 30 day	*							-	-	-	-
4.2.1.5.2 180 day		*						-	-	-	-
4.2.1.5.3 360 day		*						-	-	-	-
4.2.2 Perform semi-automatic tests											
4.2.2.1 CONF	*							-	-	-	-
4.2.2.2 DIAG	*							-	-	-	-
4.2.2.3 ALIN	*							-	-	-	-
4.2.2.4 CALS		*						-	-	-	-
4.2.3 Emergency shutdown	*							-	-	-	-
4.2.4 Classified pre/post processing	*							-	-	-	-
4.2.5 Perform manual alignment and adjustment of:											
4.2.5.1 SUMSS Shop Replaceable Units (SRUs)	*							-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
4.2.5.2 LRU power/cooling subsystems								-	-	-	-
4.2.5.3 Electrical connector receptacle housing receiver pins and contacts (Virginia Patch Panel)											
4.2.5.3.1 Alignment of Virginia patch panel								-	-	-	-
4.3 COMPUTER/INERTIAL (C/I) TEST STATION											
4.3.1 Peculiar ATLAS statements TR: TOs 33D7-38-111-8-1, 33D7-38-111-71-1, 33D7-38-111-82, 33D7-38-111-88-1								-	-	-	-
4.3.2 Peculiar Subsystems TR: TOs 33D7-3-181 series, 33D7-3-192-series, 33D7-3-279 series											
4.3.2.1 Theory of Operation of:											
4.3.2.1.1 Self test adapter								-	-	-	-
4.3.2.1.2 TRUs											
4.3.2.1.2.1 Inertial Navigation Unit (INU) pedestal subsystem								-	-	-	-
4.3.2.1.2.2 Rate table								-	-	-	-
4.3.2.1.2.3 Rate table controller								-	-	-	-
4.3.2.1.2.4 A/D Converter								-	-	-	-
4.3.2.1.2.5 16 Channel filter								-	-	-	-
4.3.2.1.2.6 Digital Multimeter								-	-	-	-
4.3.2.1.2.7 Dual trace oscilloscope								-	-	-	-
4.3.2.1.3 SUMSS SRUs											
4.3.2.1.3.1 INU/FCC interface CCA group								-	-	-	-
4.3.2.1.3.2 Processor/controller interface CCA group								-	-	-	-
4.3.2.1.3.3 DAC CCA group								-	-	-	-
4.3.2.1.3.4 Discrete I/O CCA group								-	-	-	-
4.3.2.1.4 Power/cooling subsystems								-	-	-	-
4.3.2.2 Isolate/repair malfunctions											
4.3.2.2.1 Self test adapter								-	-	-	-
4.3.2.2.2 TRUs											
4.3.2.2.2.1 INU pedestal								-	-	-	-
4.3.2.2.2.2 Rate table								-	-	-	-
4.3.2.2.2.3 Rate table controller								-	-	-	-
4.3.2.2.2.4 A/D Converter								-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
4.3.2.2.2.5 16 Channel filter								-	-	-	-
4.3.2.2.2.6 Digital Multimeter								-	-	-	-
4.3.2.2.2.7 Dual trace oscilloscope								-	-	-	-
4.3.2.3 Perform manual alignment and adjustment of:											
4.3.2.3.1 TRUs											
4.3.2.3.1.1 Rate Table								-	-	-	-
4.3.2.3.1.2 Rate Table Controller								-	-	-	-
4.3.2.3.1.3 A/D Converter								-	-	-	-
4.3.2.3.1.4 Digital Multimeter								-	-	-	-
4.3.2.3.2 SUMSS SRUs											
4.3.2.3.2.1 INU/FCC interface CCA group								-	-	-	-
4.3.2.3.2.2 Processor/controller interface CCA group								-	-	-	-
4.3.2.3.2.3 DAC CCA group								-	-	-	-
4.3.2.3.2.4 Discrete I/O CCA group								-	-	-	-
4.3.2.3.3 Power/cooling subsystems								-	-	-	-
4.3.2.3.4 Perform CALS and adjustments											
4.3.2.3.4.1 DMM								-	-	-	-
4.3.3 C/I LRU and ITA maintenance											
4.3.3.1 Fire Control Navigation Panel (FCNP) TR: TOs 5N14-3-15-series, 33D7-50-279-series, 33D7-50-1135-series											
4.3.3.1.1 Theory of operation								-	-	-	-
4.3.3.1.2 Operational check								-	-	-	-
4.3.3.1.3 Isolate/repair malfunctions								-	-	-	-
4.3.3.2 Expanded Fire Control Computer (XFCC), and Enhanced FCC(EFCC), and EEFCC TR: TOs 11F12-1-series 33D7-50-284-series, 33D7-50-663-series TOs 11F12-1-series 33D7-50-284-series, 33D7-50-663-ser											
4.3.3.2.1 Theory of operation								-	-	-	-
4.3.3.2.2 Operational check								-	-	-	-
4.3.3.2.3 Isolate/repair malfunctions								-	-	-	-
4.3.3.3 Data Transfer Unit (DTU) TR: TOs 12S2-4-13-series, 33D7-24-29-series, 33D7-50-1027-series											
4.3.3.3.1 Theory of operation								-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
4.3.3.3.2 Operational check								-	-	-	-
4.3.3.3.3 Isolate/repair malfunctions								-	-	-	-
4.3.3.4 Data Transfer Cartridge (DTC)and Expanded Data Transfer Cartridge (XDTC), and MDTC TR: TOs 12S2-4-11-series, 33D7-24-29-series, 33D7-50-1027-series											
4.3.3.4.1 Theory of operation								-	-	-	-
4.3.3.4.2 Operational check								-	-	-	-
4.3.3.4.3 Isolate/repair malfunctions								-	-	-	-
4.3.3.5 Flight Control Panel (FLCP) TR: TOs 5A13-5-20-series, 33D7-50-358-series											
4.3.3.5.1 Theory of operation								-	-	-	-
4.3.3.5.2 Operational check								-	-	-	-
4.3.3.5.3 Isolate/repair malfunctions								-	-	-	-
4.3.3.6 Rate Gyro Assembly (RGA) TR:TOs 5A11-2-77-series, 33D7-50-358-series											
4.3.3.6.1 Theory of operation								-	-	-	-
4.3.3.6.2 Operational check								-	-	-	-
4.3.3.6.3 Isolate/repair malfunctions								-	-	-	-
4.3.3.7 Accelerometer Assembly TR: TOs 5F2-33-series, 33D7-50-358-series											
4.3.3.7.1 Theory of operation								-	-	-	-
4.3.3.7.2 Operational check								-	-	-	-
4.3.3.7.3 Isolate/repair malfunctions								-	-	-	-
4.3.3.8 Flight Control Computer (FLCC) TR: TOs 5A7-3-38-series, 33D7-50-286-series											
4.3.3.8.1 Theory of operation								-	-	-	-
4.3.3.8.2 Operational check	*							-	-	-	-
4.3.3.8.3 Isolate/repair malfunctions								-	-	-	-
4.3.3.9 Electronic Component Assembly (ECA) TR: TOs 5F22-16-series, 33D7-50-288-series											
4.3.3.9.1 Theory of operation								-	-	-	-
4.3.3.9.2 Operational check	*							-	-	-	-
4.3.3.9.3 Isolate/repair malfunctions								-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
4.3.3.10 Data Entry Electronics Unit (DEEU), Enhanced Memory Extended Capabilities DEEU (EXDEEU) TR: TOs 12S2-4-10-series, 33D7-50-666-series											
4.3.3.10.1 Theory of operation								-	-	-	-
4.3.3.10.2 Operational check								-	-	-	-
4.3.3.10.3 Isolate/repair malfunctions								-	-	-	-
4.3.3.11 Data Entry Display (DED) TR: TOs 12S2-4-9-series, 33D7-50-666-series											
4.3.3.11.1 Theory of operation								-	-	-	-
4.3.3.11.2 Operational check								-	-	-	-
4.3.3.11.3 Isolate/repair malfunctions								-	-	-	-
4.3.3.12 Digital Flight Control Computer (DFLCC) TR: TOs 5A7-3-44-series, 33D7-50-1663-series											
4.3.3.12.1 Theory of operation								-	-	-	-
4.3.3.12.2 Operational check	*							-	-	-	-
4.3.3.12.3 Isolate/repair malfunctions	*							-	-	-	-
4.3.3.13 General Avionic Computer (GAC) TR: TOs 11F13-14-9-series, 33D7-50-1362-series											
4.3.3.13.1 Theory of operation								-	-	-	-
4.3.3.13.2 Operational check								-	-	-	-
4.3.3.13.3 Isolate/repair malfunctions								-	-	-	-
4.4 DISPLAYS/INDICATORS (D/I) TEST STATION											
4.4.1 Peculiar ATLAS statements TR: TOs 33D7-38-111-8-1, 33D7-38-111-71-1, 33D7-38-111-82, 33D7-38-111-88-1								-	-	-	-
4.4.2 Peculiar subsystems TR: TOs 33D7-38-183-series, 33D7-77-32-series, 33D7-77-71-series											
4.4.2.1 Theory of operation of:											
4.4.2.1.1 Self test adapter								-	-	-	-
4.4.2.1.2 TRUs											
4.4.2.1.2.1 Photometric assembly								-	-	-	-
4.4.2.1.2.2 Precision Programmable								-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
Current Source (PPCS)											
4.4.2.1.2.3 Raster display assembly								-	-	-	-
4.4.2.1.2.4 Video display monitor								-	-	-	-
4.4.2.1.3 SUMSS SRUs											
4.4.2.1.3.1 Discrete I/O CCA group								-	-	-	-
4.4.2.1.3.2 D/I test CCA group								-	-	-	-
4.4.2.1.4 Power/cooling subsystems								-	-	-	-
4.4.2.2 Isolate/Repair Malfunctions											
4.4.2.2.1 Self test adapter								-	-	-	-
4.4.2.2.2 TRUs											
4.4.2.2.2.1 Photometric assembly								-	-	-	-
4.4.2.2.2.2 PPCS								-	-	-	-
4.4.2.2.2.3 Raster display assembly								-	-	-	-
4.4.2.2.2.4 Video display monitor								-	-	-	-
4.4.2.2.3 SUMSS SRUs											
4.4.2.2.3.1 Discrete I/O CCA group								-	-	-	-
4.4.2.2.3.2 D/I test CCA group								-	-	-	-
4.4.2.2.4 Power/cooling subsystems								-	-	-	-
4.4.2.3 Perform Manual Alignment and Adjustment of:											
4.4.2.3.1 TRUs											
4.4.2.3.1.1 Photometric assembly								-	-	-	-
4.4.2.3.1.2 PPCS								-	-	-	-
4.4.2.3.1.3 Raster display assembly								-	-	-	-
4.4.2.3.1.4 Video display monitor								-	-	-	-
4.4.2.3.2 SUMSS SRUs											
4.4.2.3.2.1 Discrete I/O CCA group								-	-	-	-
4.4.2.3.2.2 D/I test CCA group								-	-	-	-
4.4.2.3.3 Power/cooling subsystems								-	-	-	-
4.4.2.4 Calibrate and Adjustment of:											
4.4.2.4.1 Photometric assembly								-	-	-	-
4.4.3 D/I LRU and ITA Maintenance											
4.4.3.1 Head-Up Display Pilot s Display Unit (HUD PDU) TR: TOs 5N29-11-series, 33D7-50-291-series											
4.4.3.1.1 Theory of operation								-	-	-	-
4.4.3.1.2 Operational check								-	-	-	-
4.4.3.1.3 Isolate/repair malfunctions								-	-	-	-
4.4.3.2 Head-Up Display Electronics Unit (HUD EU) TR: TOs 5N29-12-series, 33D7-50-263-series											

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
4.4.3.2.1 Theory of operation								-	-	-	-
4.4.3.2.2 Operational check								-	-	-	-
4.4.3.2.3 Isolate/repair malfunctions								-	-	-	-
4.4.3.3 Radar Electro Optical Indicator Unit (REO IU) TR: TOs 12P1-4-22-series, 33D7-50-292-series											
4.4.3.3.1 Theory of operation								-	-	-	-
4.4.3.3.2 Operational check								-	-	-	-
4.4.3.3.3 Isolate/repair malfunctions								-	-	-	-
4.4.3.4 Radar Electro Optical Electronic Unit (REO EU) TR: TOs 12P1-4-23-series, 33D7-50-273-series											
4.4.3.4.1 Theory of operation								-	-	-	-
4.4.3.4.2 Operational check								-	-	-	-
4.4.3.4.3 Isolate/repair malfunctions								-	-	-	-
4.4.3.5 Attitude Director Indicator (ADI) TR: TOs 5F8-3-44-series, 33D7-50-290-series											
4.4.3.5.1 Theory of operation								-	-	-	-
4.4.3.5.2 Operational check								-	-	-	-
4.4.3.6 Horizontal Situation Indicator (HSI) TR: TOs 5F8-16-9-18-1, 33D7-50-290-series											
4.4.3.6.1 Theory of operation								-	-	-	-
4.4.3.6.2 Operational check								-	-	-	-
4.4.3.7 Azimuth Indicator (ALR-69) TR: TOs 12P3-2ALR-8-1, 33D7-50-401-series											
4.4.3.7.1 Theory of operation								-	-	-	-
4.4.3.7.2 Operational check								-	-	-	-
4.4.3.7.3 Isolate/repair malfunctions								-	-	-	-
4.4.3.8 Programmable Display Generator (PDG), Upgraded PDG (UPDG), and XPDG TR: TOs 11F98-7-series, 33D7-50-665-series											
4.4.3.8.1 Theory of operation								-	-	-	-
4.4.3.8.2 Operational check								-	-	-	-
4.4.3.8.3 Isolate/repair malfunctions								-	-	-	-
4.4.3.9 Multifunction Display (MFD) TR: TOs 11F98-6-series, 33D7-50-664-series											
4.4.3.9.1 Theory of operation								-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
4.4.3.9.2 Operational check								-	-	-	-
4.4.3.9.3 Isolate/repair malfunctions								-	-	-	-
4.4.3.10 Wide Angle Conventional Head-Up Display Unit (WAC HUD) TR: TOs 5N29-14-series, 33D7-50-668-series											
4.4.3.10.1 Theory of operation								-	-	-	-
4.4.3.10.2 Operational check	*							-	-	-	-
4.4.3.10.3 Isolate/repair malfunctions		*						-	-	-	-
4.4.3.11 WAC Display Electronic Unit (WAC EU) TR: TOs 5N29-15-series, 33D7-50-669-series											
4.4.3.11.1 Theory of operation								-	-	-	-
4.4.3.11.2 Operational check	*							-	-	-	-
4.4.3.11.3 Isolate/repair malfunctions								-	-	-	-
4.4.3.12 Diffractive Optics Electronic Unit (DO EU) TR: TOs 5N29-15-series, 33D7-50-669-series											
4.4.3.12.1 Theory of operation								-	-	-	-
4.4.3.12.2 Operational check								-	-	-	-
4.4.3.12.3 Isolate/repair malfunctions								-	-	-	-
4.4.3.13 Diffractive Optics Head-Up Display Unit (DO HUD DU) TR: TOs 5N29-20-series, 33D7-50-668-series											
4.4.3.13.1 Theory of operation								-	-	-	-
4.4.3.13.2 Operational check	*							-	-	-	-
4.4.3.13.3 Isolate/repair malfunctions		*						-	-	-	-
4.4.3.14 HUD Boresight Alignment Tool											
4.4.3.14.1 Calibrate boresight alignment tool		*						-	-	-	-
4.5 PROCESSOR/ PNEUMATIC (P/P) TEST STATION											
4.5.1 Peculiar ATLAS statements TR: TOs 33D7-38-111-8-1, 33D7-38-111-71-1, 33D7-38-111-82, 33D7-38-111-88-1								-	-	-	-
4.5.2 Peculiar Subsystems TR: TOs 33D7-3-180-series, 33D7-3-191-											

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
series, 33D7-3-282-series, 33D7-38-185-series											
4.5.2.1 Theory of Operation of:											
4.5.2.1.1 Self test adapter								-	-	-	-
4.5.2.1.2 TRUs											
4.5.2.1.2.1 Threat simulator								-	-	-	-
4.5.2.1.2.2 Video display monitor								-	-	-	-
4.5.2.1.2.3 Pneumatic Function Controllers (PFCs) and pneumatic load assembly								-	-	-	-
4.5.2.1.2.4 Vacuum pump and manifold assembly								-	-	-	-
4.5.2.1.3 SUMSS SRUs											
4.5.2.1.3.1 P/P Test CCA group								-	-	-	-
4.5.2.1.4 Power/cooling subsystems								-	-	-	-
4.5.2.2 Isolate/Repair Malfunctions											
4.5.2.2.1 Self test adapter								-	-	-	-
4.5.2.2.2 TRUs											
4.5.2.2.2.1 Threat simulator								-	-	-	-
4.5.2.2.2.2 Video display monitor								-	-	-	-
4.5.2.2.2.3 PFCs/pneumatic load assembly								-	-	-	-
4.5.2.2.2.4 Vacuum pump and manifold assembly								-	-	-	-
4.5.2.2.3 SUMSS SRUs											
4.5.2.2.3.1 P/P Test CCA group								-	-	-	-
4.5.2.2.4 Power/cooling subsystems								-	-	-	-
4.5.2.3 Perform Periodic Inspections											
4.5.2.3.1 90 day								-	-	-	-
4.5.2.4 Perform Manual Alignment and Adjustment of:											
4.5.2.4.1 TRUs											
4.5.2.4.1.1 Threat Simulator								-	-	-	-
4.5.2.4.1.2 Video Display Monitor								-	-	-	-
4.5.2.4.1.3 Vacuum Pump and Manifold Assembly								-	-	-	-
4.5.2.4.2 SUMSS SRUs											
4.5.2.4.2.1 P/P Test CCA group								-	-	-	-
4.5.2.4.3 Power/cooling subsystems								-	-	-	-
4.5.2.5 Calibrate and Adjust											
4.5.2.5.1 PFCs								-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
4.5.3 P/P LRU and ITA Maintenance											
4.5.3.1 Radar Digital Signal Processor (AN/APG-66) TR: TOs 11F101-3-series, 33D7-50-276-series											
4.5.3.1.1 Theory of operation								-	-	-	-
4.5.3.1.2 Operational check								-	-	-	-
4.5.3.1.3 Isolate/repair malfunctions								-	-	-	-
4.5.3.2 Expanded Fire Control Radar Computer (XFCRC) (AN/APG-66) TR: TOs 11F12-5-11-series, 33D7-50-274-series											
4.5.3.2.1 Theory of operation								-	-	-	-
4.5.3.2.2 Operational check								-	-	-	-
4.5.3.2.3 Isolate/repair malfunctions								-	-	-	-
4.5.3.3 Stores Control Panel TR: TOs 11B61-2-12-series, 33D7-50-264-series											
4.5.3.3.1 Theory of operation								-	-	-	-
4.5.3.3.2 Operational check								-	-	-	-
4.5.3.3.3 Isolate/repair malfunctions								-	-	-	-
4.5.3.4 Missile Remote Interface Unit (MRIU) TR: TOs 11B95-5-series, 33D7-50-272-series											
4.5.3.4.1 Theory of operation								-	-	-	-
4.5.3.4.2 Operational check								-	-	-	-
4.5.3.4.3 Isolate/repair malfunctions								-	-	-	-
4.5.3.5 Expanded Central Interface Unit (XCIU) TR: TOs 11B7-7-2-series, 33D7-50-275-series											
4.5.3.5.1 Theory of operation								-	-	-	-
4.5.3.5.2 Operational check								-	-	-	-
4.5.3.5.3 Isolate/repair malfunctions								-	-	-	-
4.5.3.6 Jettison/Release Remote Interface Unit (J/R RIU) TR: TOs 11B95-4-series, 33D7-50-272-series											
4.5.3.6.1 Theory of operation								-	-	-	-
4.5.3.6.2 Operational check								-	-	-	-
4.5.3.6.3 Isolate/repair malfunctions								-	-	-	-
4.5.3.7 Pneumatic Sensor Assembly (PSA) (Rosemount) TR: TOs 5F25-9-series, -50-293-series											
4.5.3.7.1 Theory of operation								-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
4.5.3.7.2 Operational check								-	-	-	-
4.5.3.7.3 Isolate/repair malfunctions								-	-	-	-
4.5.3.8 PSA (Airesearch) TR: TOs 5F25-12-series, 33D7-50-293-series											
4.5.3.8.1 Theory of operation								-	-	-	-
4.5.3.8.2 Operational check								-	-	-	-
4.5.3.8.3 Isolate/repair malfunctions								-	-	-	-
4.5.3.9 Central Air Data Computer (CADC) TR: TOs 5F5-4-28-series, 33D7-50-262-series											
4.5.3.9.1 Theory of operation								-	-	-	-
4.5.3.9.2 Operational check								-	-	-	-
4.5.3.9.3 Isolate/repair malfunctions								-	-	-	-
4.5.3.10 Transmission Line Coupler (TLC) TR: TOs 12P3-2ALR69-42-series, 33D7-50-403-series											
4.5.3.10.1 Theory of operation								-	-	-	-
4.5.3.10.2 Operational check								-	-	-	-
4.5.3.10.3 Isolate/repair malfunctions								-	-	-	-
4.5.3.11 Signal Processor (SP) (AN/ALR-69) TR: TOs 12P3-2ALR69-series, 33D7-50-403-series											
4.5.3.11.1 Theory of operation								-	-	-	-
4.5.3.11.2 Operational check	*							-	-	-	-
4.5.3.11.3 Isolate/repair malfunctions		*						-	-	-	-
4.5.3.12 Advanced Central Interface Unit (ACIU) TR: TOs 11B47-7-4-series, 33D7-50-670-series											
4.5.3.12.1 Theory of operation								-	-	-	-
4.5.3.12.2 Operational check	*							-	-	-	-
4.5.3.12.3 Isolate/repair malfunctions								-	-	-	-
4.5.3.13 Enhanced Central Interface Unit (ECIU) TR: TOs 11B95-12-series, 33D7-50-670-series											
4.5.3.13.1 Theory of operation								-	-	-	-
4.5.3.13.2 Operational check								-	-	-	-
4.5.3.13.3 Isolate/repair malfunctions								-	-	-	-
4.5.3.14 Advanced Missile Remote Interface Unit (AMRIU) TR: TOs											

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
11B95-10-series, 33D7-50-697-series											
4.5.3.14.1 Theory of operation								-	-	-	-
4.5.3.14.2 Operational check								-	-	-	-
4.5.3.14.3 Isolate/repair malfunctions								-	-	-	-
4.5.3.15 Advanced Conventional Remote Interface Unit (ACRIU) TR: TOs 11B95-8-series, 33D7-50-697-series											
4.5.3.15.1 Theory of operation								-	-	-	-
4.5.3.15.2 Operational check								-	-	-	-
4.5.3.15.3 Isolate/repair malfunctions								-	-	-	-
4.5.3.16 Programmable Signal Processor (PSP), and MPSP (AN/APG-68) series TR: 33D7-50-667-series											
4.5.3.16.1 Theory of operation								-	-	-	-
4.5.3.16.2 Operational check	*							-	-	-	-
4.5.3.16.3 Isolate/repair malfunctions	*							-	-	-	-
4.5.3.17 Advanced Programmable Signal Processor (APSP) (AN/APG-68) TR: TOs 11F101-5-series, 33D7-50-667-series											
4.5.3.17.1 Theory of operation								-	-	-	-
4.5.3.17.2 Operational check								-	-	-	-
4.5.3.17.3 Isolate/repair malfunctions								-	-	-	-
4.6 RADIO FREQUENCY (RF) TEST STATION											
4.6.1 Peculiar ATLAS Statements TR: TOs 33D7-38-111-8-1, 33D7-38-111-71-1, 33D7-38-111-82, 33D7-38-111-88-1											
4.6.2 Peculiar Subsystems TR: TOs 33D7-38-184-1, 33D7-38-248-1, 33DA57-3-1											
4.6.2.1 Theory of Operation of:											
4.6.2.1.1 Self test adapter								-	-	-	-
4.6.2.1.2 TRUs											
4.6.2.1.2.1 Microwave Stimulus Interface (MSI)								-	-	-	-
4.6.2.1.2.2 Microwave								-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
Measurement Unit (MMU)											
4.6.2.1.2.3 Phase Noise Chassis (PNC)								-	-	-	-
4.6.2.1.2.4 Synthesized Signal Generators (SSGs)								-	-	-	-
4.6.2.1.2.5 RF switch panel								-	-	-	-
4.6.2.1.2.6 Power meter assembly								-	-	-	-
4.6.2.1.2.7 Pressure Test Set (PTS)								-	-	-	-
4.6.2.1.3 SUMSS SRUs											
4.6.2.1.3.1 R/F test CCA group								-	-	-	-
4.6.2.1.4 Power/cooling subsystems								-	-	-	-
4.6.2.2 Isolate/Repair Malfunctions											
4.6.2.2.1 Self test adapter								-	-	-	-
4.6.2.2.2 TRUs											
4.6.2.2.2.1 MSI								-	-	-	-
4.6.2.2.2.2 MMU								-	-	-	-
4.6.2.2.2.3 PNC								-	-	-	-
4.6.2.2.2.4 SSGs								-	-	-	-
4.6.2.2.2.5 RF switch panel								-	-	-	-
4.6.2.2.2.6 Power meter assembly								-	-	-	-
4.6.2.2.2.7 PTS								-	-	-	-
4.6.2.2.3 SUMSS SRUs											
4.6.2.2.3.1 R/F test CCA group								-	-	-	-
4.6.2.2.4 Power/cooling subsystems								-	-	-	-
4.6.2.3 Perform Manual Alignments and Adjustments											
4.6.2.3.1 SUMSS SRUs											
4.6.2.3.1.1 R/F test CCA group								-	-	-	-
4.6.2.3.1.2 Power/cooling subsystems								-	-	-	-
4.6.2.3.2 Perform Calibration and Adjustment											
4.6.2.3.2.1 Power meter								-	-	-	-
4.6.3 RF LRU and ITA Maintenance											
4.6.3.1 Radar Transmitter (AN/APG-66)TR: TOs 11F45-2-14-series, 33D7-50-277-series											
4.6.3.1.1 Theory of operation								-	-	-	-
4.6.3.1.2 Operational check								-	-	-	-
4.6.3.1.3 Isolate/repair malfunctions								-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
4.6.3.2 Radar Low Power RF (LPRF) (AN/APG-66) TR: TOs 11F45-2-15-series, 33D7-50-282-series											
4.6.3.2.1 Theory of operation								-	-	-	-
4.6.3.2.2 Operational check								-	-	-	-
4.6.3.2.3 Isolate/repair malfunctions								-	-	-	-
4.6.3.3 Radar Antenna (AN/APG-66) TR: TOs 11F5-29-series, 33D7-50-283-series											
4.6.3.3.1 Theory of operation								-	-	-	-
4.6.3.3.2 Operational check								-	-	-	-
4.6.3.3.3 Isolate/repair malfunctions								-	-	-	-
4.6.3.4 E-J Amplifier Detector (AM-6639/ALR-46) TR: TOs 12P3-2ALR46-18-1, 33D7-50-402-series											
4.6.3.4.1 Theory of operation								-	-	-	-
4.6.3.4.2 Operational check								-	-	-	-
4.6.3.4.3 Isolate/repair malfunctions								-	-	-	-
4.6.3.5 C-D Amplifier Detector (AM-6971/ALR-69) TR: TOs 12P3-2ALR69-68-1, 33D7-50-402-series											
4.6.3.5.1 Theory of operation								-	-	-	-
4.6.3.5.2 Operational check								-	-	-	-
4.6.3.5.3 Isolate/repair malfunctions								-	-	-	-
4.6.3.6 Frequency Selective Receiver System (FSRS) Receiver (ALR-69) TR: TOs 12P3-2ALR69-12(C), 12P3-2ALR69-18-2, 33D7-50-402-series											
4.6.3.6.1 Theory of operation								-	-	-	-
4.6.3.6.2 Operational check								-	-	-	-
4.6.3.6.3 Isolate/repair malfunctions								-	-	-	-
4.6.3.7 FSRS Receiver/Controller (ALR-69) TR: TOs 12P3-2ALR69-12(C), 12P3-2ALR69-28-2, 33D7-50-554-series											
4.6.3.7.1 Theory of operation								-	-	-	-
4.6.3.7.2 Operational check								-	-	-	-
4.6.3.7.3 Isolate/repair malfunctions								-	-	-	-
4.6.3.8 Dual Mode Transmitter (DMT) (AN/APG-68) TR: TOs 11F45-2-16-series, 33D7-50-704-series											
4.6.3.8.1 Theory of operation								-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
4.6.3.8.2 Operational check	*							-	-	-	-
4.6.3.8.3 Isolate/repair malfunctions								-	-	-	-
4.6.3.9 Radar Modular Low Power RF (MLPRF) (AN/APG-68) TR: TOs 11F45-2-17 series, 33D7-50-671-series											
4.6.3.9.1 Theory of operation								-	-	-	-
4.6.3.9.2 Operational check	*							-	-	-	-
4.6.3.9.3 Isolate/repair malfunctions	*							-	-	-	-
4.6.3.10 Radar Antenna (AN/APG-68) TR: TOs 11F5-31-series, 33D7-50-944-series											
4.6.3.10.1 Theory of operation								-	-	-	-
4.6.3.10.2 Operational check	*							-	-	-	-
4.6.3.10.3 Isolate/repair malfunctions								-	-	-	-
4.6.3.11 IFF R/T (AN/APX-101) TR: TOs 12P4-2APX101 series, 33D7-50-281 series											
4.6.3.11.1 Theory of operation								-	-	-	-
4.6.3.11.2 Operational check								-	-	-	-
4.6.3.11.3 Isolate/repair malfunctions								-	-	-	-
4.7 IMPROVED AVIONIC INTERMEDIATE SHOP(IAIS) TEST STATION											
4.7.1 Emergency shutdown	*							1a	-	-	-
4.7.2 Classified pre/post processing TO 33D7-38-291-2	*							2b	-	-	-
4.7.3 Peculiar ATLAS statements TO 33D7-38-291-18-2								A	A	-	-
4.7.4 Preparation for use/shipment								-	-	-	-
4.7.4.1 Operating Procedures											
4.7.4.1.1 Perform turn-on procedures	*							-	-	-	-
4.7.4.1.2 Perform standby procedure	*							-	-	-	-
4.7.4.1.3 Perform shutdown procedures	*							-	-	-	-
4.7.4.2 Perform operator inspection	*							-	-	-	-
4.7.4.3 Perform Periodic Inspections											
4.7.4.3.1 30 day	*							-	-	-	-
4.7.4.3.2 90 day	*							-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
4.7.4.3.3 180 day		*						-	-	-	-
4.7.5 Peculiar Subsystems TR: TO 33D7-38-291 series											
4.7.5.1 Theory of Operation											
4.7.5.1.1 Interface Unit (IU)								A	A	-	-
4.7.5.1.2 Control and Display Unit (CDU)								A	A	-	-
4.7.5.1.3 Instrument Unit A (IUA)								A	A	-	-
4.7.5.1.4 Instrument Unit B (IUB)								A	A	-	-
4.7.5.1.5 Microwave Stimulus Unit (MSU)								B	B	-	-
4.7.5.1.6 Microwave Measurement Unit (MMU)								B	B	-	-
4.7.5.1.7 Power Control Unit (PCU)								A	A	-	-
4.7.5.1.8 Power Supply Unit (PSU)								A	A	-	-
4.7.5.1.9 Refrigeration unit								A	A	-	-
4.7.5.1.10 Blower unit								A	A	-	-
4.7.5.1.11 Frequency Changer Unit (FCU)								A	A	-	-
4.7.5.1.12 Optical Test Bench (OTB)								A	A	-	-
4.7.5.2 Isolate/Repair Malfunctions											
4.7.5.2.1 IU	*							-	-	-	-
4.7.5.2.2 CDU								-	-	-	-
4.7.5.2.3 IUA	*							2b	-	-	-
4.7.5.2.4 IUB	*							2b	-	-	-
4.7.5.2.5 MSU		*						2b	-	-	-
4.7.5.2.6 MMU		*						2b	-	-	-
4.7.5.2.7 PCU								-	-	-	-
4.7.5.2.8 PSU								-	-	-	-
4.7.5.2.9 Refrigeration unit								-	-	-	-
4.7.5.2.10 Blower unit	*							-	-	-	-
4.7.5.2.11 FCU								-	-	-	-
4.7.5.2.12 OTB								-	-	-	-
4.7.5.3 Perform Semi-Automatic Tests											
4.7.5.3.1 CONF	*							2b	-	-	-
4.7.5.3.2 DIAG	*							2b	-	-	-
4.7.5.3.3 ALIN	*							2b	-	-	-
4.7.5.3.4 CALS		*						-	-	-	-
4.7.5.4 Perform Manual Alignment and Adjustment of:											
4.7.5.4.1 IU								-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
4.7.5.4.2 IUA	*							2b	-	-	-
4.7.5.4.3 IUB	*							2b	-	-	-
4.7.5.4.4 PCU								-	-	-	-
4.7.5.4.5 PSU								-	-	-	-
4.7.5.4.6 Blower unit	*							-	-	-	-
4.7.5.4.7 FCU								-	-	-	-
4.7.5.4.8 OTB	*							2b	-	-	-
4.7.5.5 IAIS LRU and ITA Maintenance											
4.7.5.5.1 Data Transfer Unit (DTU) TR: TOs 12S2-4-13-series, 33D7-50-1897-1											
4.7.5.5.1.1 Theory of operation								-	-	-	-
4.7.5.5.1.2 Operational check								-	-	-	-
4.7.5.5.1.3 Isolate/repair malfunctions								-	-	-	-
4.7.5.5.2 Expanded Data Transfer Cartridge (XDTC), and MDTC TR: TOs 12S2-4-11-series, 33D7-50-1897-1											
4.7.5.5.2.1 Theory of operation								-	-	-	-
4.7.5.5.2.2 Operational check								-	-	-	-
4.7.5.5.2.3 Isolate/repair malfunctions								-	-	-	-
4.7.5.5.3 Flight Control Computer (FLCC) TR: TOs 5A7-3-38-series, 33D7-28-35-2, 33D7-50-1898-1											
4.7.5.5.3.1 Theory of operation								-	-	-	-
4.7.5.5.3.2 Operational check	*							-	-	-	-
4.7.5.5.3.3 Isolate/repair malfunctions	*							-	-	-	-
4.7.5.5.4 Electronic Component Assembly (ECA) TR: TOs 5F22-16-series, 33D7-28-35-2, 33D7-50-1900-1											
4.7.5.5.4.1 Theory of operation								-	-	-	-
4.7.5.5.4.2 Operational check	*							-	-	-	-
4.7.5.5.4.3 Isolate/repair malfunctions	*							-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
4.7.5.5.5 Data Entry Electronics Unit (DEEU) and Enhanced Memory Extended Capabilities DEEU (EXDEEU), Common DEEU (CDEEU) TR: TOs 12S2-4-10-series, 33D7-50-1907-1											
4.7.5.5.5.1 Theory of operation								-	-	-	-
4.7.5.5.5.2 Operational check								-	-	-	-
4.7.5.5.5.3 Isolate/repair malfunctions								-	-	-	-
4.7.5.5.6 Fire Control Computer (FCC), Enhanced Fire Control Computer (EFCC), Expanded FCC (XFCC), Common FCC (CFCC) and EEFCC TR: TOs 11F12-1-series, 33D7-28-35-2, 33D7-50-1911-1											
4.7.5.5.6.1 Theory of operation								-	-	-	-
4.7.5.5.6.2 Operational check								-	-	-	-
4.7.5.5.6.3 Isolate/repair malfunctions								-	-	-	-
4.7.5.5.7 Digital Flight Control Computer (DFLCC) TR: TOs 5A7-3-44-series, 33D7-28-35-2, 33D7-50-1899-1											
4.7.5.5.7.1 Theory of operation								-	-	-	-
4.7.5.5.7.2 Operational check	*							-	-	-	-
4.7.5.5.7.3 Isolate/repair malfunctions	*							-	-	-	-
4.7.5.5.8 Wide Angle Conventional Head-Up Display Unit (WAC HUD) TR: TOs 5N29-14-series, 33D7-50-1908-1											
4.7.5.5.8.1 Theory of operation								-	-	-	-
4.7.5.5.8.2 Operational check	*							2b	-	-	-
4.7.5.5.8.3 Isolate/repair malfunctions		*						-	-	-	-
4.7.5.5.8.4 Alignment	*							-	-	-	-
4.7.5.5.9 WAC Display Electronic Unit (WAC EU) TR: TOs 5N29-15-series, 33D7-28-35-2,33D7-50-1909-1											
4.7.5.5.9.1 Theory of operation								-	-	-	-
4.7.5.5.9.2 Operational check	*							-	-	-	-
4.7.5.5.9.3 Isolate/repair malfunctions	*							-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
4.7.5.5.10 Diffractive Optics Head-Up Display Unit (DO HUD DU) TR: TOs 5N29-20-series, 33D7-50-1909-1											
4.7.5.5.10.1 Theory of operation								-	-	-	-
4.7.5.5.10.2 Operational check	*							-	-	-	-
4.7.5.5.10.3 Isolate/repair malfunctions		*						-	-	-	-
4.7.5.5.10.4 Alignment	*							-	-	-	-
4.7.5.5.11 Signal Processor (AN/ALR-69) TR: TOs 12P3-2ALR69-series, 33D7-50-1970-1											
4.7.5.5.11.1 Theory of operation								-	-	-	-
4.7.5.5.11.2 Operational check	*							-	-	-	-
4.7.5.5.11.3 Isolate/repair malfunctions		*						-	-	-	-
4.7.5.5.12 Advanced Central Interface Unit (ACIU), Common Central Interface Unit (CCIU) TR: TOs 11B47-7-4-series, 33D7-50-1910-1											
4.7.5.5.12.1 Theory of operation								-	-	-	-
4.7.5.5.12.2 Operational check								-	-	-	-
4.7.5.5.12.3 Isolate/repair malfunctions								-	-	-	-
4.7.5.5.13 Programmable Signal Processor (PSP) (AN/APG-68) TR: TOs 11F101-5-series, 33D7-50-1902-1											
4.7.5.5.13.1 Theory of operation								-	-	-	-
4.7.5.5.13.2 Operational check	*							-	-	-	-
4.7.5.5.13.3 Isolate/repair malfunctions	*							-	-	-	-
4.7.5.5.14 Advanced Programmable Signal Processor(APSP) (AN/APG-68) TR: TOs 11F101-5-2-series, 33D7-50-1902-1											
4.7.5.5.14.1 Theory of operation								-	-	-	-
4.7.5.5.14.2 Operational check	*							-	-	-	-
4.7.5.5.14.3 Isolate/repair malfunctions	*							-	-	-	-
4.7.5.5.15 Radar Modular Low Power RF (MLPRF) (AN/APG-68) TR: TOs 11F45-2-17-series, 33D7-50-1904-1											
4.7.5.5.15.1 Theory of operation								-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
4.7.5.5.15.2 Operational check	*							2b	-	-	-
4.7.5.5.15.3 Isolate/repair malfunctions	*							-	-	-	-
4.7.5.5.16 Radar Antenna (AN/APG-68) TR: TOs 11F5-31-series, 33D7-50-1905-1											
4.7.5.5.16.1 Theory of operation								-	-	-	-
4.7.5.5.16.2 Operational check	*							-	-	-	-
4.7.5.5.16.3 Isolate/repair malfunctions								-	-	-	-
4.7.5.5.17 Dual Mode Transmitter (DMT) (AN/APG-68) TR: TOs 11F45-2-16-series, 33D7-50-1906-1											
4.7.5.5.17.1 Theory of operation								-	-	-	-
4.7.5.5.17.2 Operational check	*							-	-	-	-
4.7.5.5.17.3 Isolate/repair malfunctions								-	-	-	-
4.7.5.5.18 MIDS/LVT TR:TO 12R2-2USQ140-8-1, 33D7-50-2965-1											
4.7.5.5.18.1 Theory of operation								-	-	-	-
4.7.5.5.18.2 Operational check	*							-	-	-	-
4.7.5.5.18.3 Isolate/repair malfunctions								-	-	-	-
4.7.5.5.19 Advanced Conventional Remote Interface Unit (ACRIU) TR: TOs 11B95-8-series, 33D7-50-697-series											
4.7.5.5.19.1 Theory of operation								-	-	-	-
4.7.5.5.19.2 Operational check	*							-	-	-	-
4.7.5.5.19.3 Isolate/repair malfunctions	*							-	-	-	-
4.7.5.5.20 Advanced Missile Remote Interface Unit (AMRIU) TR: TOs 11B95-10-series, 33D7-50-697-series											
4.7.5.5.20.1 Theory of operation								-	-	-	-
4.7.5.5.20.2 Operational check	*							-	-	-	-
4.7.5.5.20.3 Isolate/repair malfunctions	*							-	-	-	-
4.7.5.5.21 Jettison/Release Remote Interface Unit (J/R RIU) TR: TOs 11B95-4-series, 33D7-50-272-series											
4.7.5.5.21.1 Theory of operation								-	-	-	-
4.7.5.5.21.2 Operational check								-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
4.7.5.5.21.3 Isolate/repair malfunctions								-	-	-	-
4.7.5.5.22 Flight Control Panel (FLCP) TR: TOs 5A13-5-20-series, 33D7-50-358-series											
4.7.5.5.22.1 Theory of operation								-	-	-	-
4.7.5.5.22.2 Operational check								-	-	-	-
4.7.5.5.22.3 Isolate/repair malfunctions								-	-	-	-
4.7.5.5.23 IFF R/T (AN/APX-101) TR: TOs 12P4-2APX101 series, 33D7-50-281 series											
4.7.5.5.23.1 Theory of operation								-	-	-	-
4.7.5.5.23.2 Operational check								-	-	-	-
4.7.5.5.23.3 Isolate/repair malfunctions								-	-	-	-
4.7.5.5.24 Embedded GPS/INS (EGI)											
4.7.5.5.24.1 Theory of operation								-	-	-	-
4.7.5.5.24.2 Operational check								-	-	-	-
4.7.5.5.24.3 Isolate/repair malfunctions								-	-	-	-
4.7.5.5.24.4 Perform Operational Flight Plan Load								-	-	-	-
4.7.5.5.25 SAASM EGI											
4.7.5.5.25.1 Theory of operation								-	-	-	-
4.7.5.5.25.2 Operational check								-	-	-	-
4.7.5.5.25.3 Isolate/repair malfunctions								-	-	-	-
4.7.5.5.25.4 Perform operational flight plan load								-	-	-	-
4.7.5.5.26 Data Entry Display (DED)											
4.7.5.5.26.1 Theory of operation								-	-	-	-
4.7.5.5.26.2 Operational check								-	-	-	-
4.7.5.5.26.3 Isolate/repair malfunctions								-	-	-	-
4.7.6 Peculiar Support Equipment											
4.7.6.1 Theory of Operation											
4.7.6.1.1 Viper MLV TR: TO 31S5-4-6085-11								-	-	-	-
4.7.6.1.2 EPROM Programmer verifier ITA TR: TO 33D7-42-55 series								-	-	-	-
4.7.6.1.3 PROM Programmer TR:								-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
TO 31S5-4-1000-11											
4.7.6.1.4 LRU Cooler assembly TO 33DA102-18-1								-	-	-	-
4.7.6.2 Use:											
4.7.6.2.1 Virginia patch panel alignment kit TR: Applicable test station -2 TOs								-	-	-	-
4.7.6.2.2 Pressure test set TR: Applicable LRU 8-1 TO								-	-	-	-
4.7.6.2.3 CAPRE TR: 33D7-3-27-series											
4.7.6.2.3.1 EW programming		*						-	-	-	-
4.7.6.2.3.2 AIS software updates	*							-	-	-	-
4.7.6.2.4 EPROM Programmer Verifier ITA TR: TO 33D7-42-55 series								-	-	-	-
4.7.6.2.5 EPROM Programmer Verifier (EPV) TR: TO 31S5-4-1000-11								-	-	-	-
4.7.6.2.6 LRU Cooling Assembly TR: TO 33DA102-18-1											
4.7.6.2.6.1 Operate								-	-	-	-
4.7.6.2.6.2 Perform Periodic Inspections											
4.7.6.2.6.2.1 60-day or 400 hour								-	-	-	-
4.7.6.2.6.2.2 365 day or 2400 hour								-	-	-	-
4.7.6.2.6.2.3 Calibrate								-	-	-	-
4.7.6.2.6.2.4 Service								-	-	-	-
4.7.6.3 Isolate/Repair Malfunctions											
4.7.6.3.1 Viper MLV TR: TO31S5-4-6085-11								-	-	-	-
4.7.6.3.2 EPROM Programmer Verifier ITA TR: TO 33D7-42-39-11								-	-	-	-
4.7.6.3.3 EPROM Programmer Verifier (EPV) TR: TO 31S5-4-1000-11								-	-	-	-
4.7.6.3.4 Pressure test set TR: TO 33D7-8-129-1								-	-	-	-
4.7.6.4 IAIS EPROM Programmer Verifier (EPV)											
4.7.6.4.1 Operate EPV								-	-	-	-
4.7.6.5 Air Data Test Set (ADTS)											
4.7.6.5.1 Theory								-	-	-	-
4.7.6.5.2 Operate								-	-	-	-
4.7.6.5.3 Isolate/repair								-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
4.7.6.5.4 Calibrate								-	-	-	-
4.7.6.6 HUD Boresight Alignment Tool											
4.7.6.6.1 Calibrate		*						-	-	-	-
4.8 F-16 SPECIFIC MANUAL SYSTEMS											
4.8.1 Intercommunications Systems											
4.8.1.1 Audio 1 Panel TR: TO 12R2-4-233-4											
4.8.1.1.1 Theory of operation								-	-	-	-
4.8.1.1.2 Bench check								-	-	-	-
4.8.1.1.3 Isolate/repair malfunctions								-	-	-	-
4.8.1.2 Audio 2 Panel TR: TO 12R2-4-240-2											
4.8.1.2.1 Theory of operation								-	-	-	-
4.8.1.2.2 Bench check								-	-	-	-
4.8.1.2.3 Isolate/repair malfunctions								-	-	-	-
4.8.1.3 Aux Comm Panel TR: TO 12R2-4-227-3											
4.8.1.3.1 Bench check								-	-	-	-
4.8.1.3.2 Alignment								-	-	-	-
4.8.1.3.3 Isolate/repair malfunctions								-	-	-	-
4.8.2 Electronic Warfare Systems											
4.8.2.1 Threat Warning Auxiliary Panel TR: TO 12P3-2ALR22											
4.8.2.1.1 Theory of operation								-	-	-	-
4.8.2.1.2 Perform maintenance testing								-	-	-	-
4.8.2.1.3 Isolate/repair malfunctions								-	-	-	-
4.8.2.2 Threat Warning Prime Panel TR: TO 12P3-2ALR22											
4.8.2.2.1 Theory of operation								-	-	-	-
4.8.2.2.2 Perform maintenance testing								-	-	-	-
4.8.2.2.3 Isolate/repair malfunctions								-	-	-	-
4.8.2.3 Misc. Systems											
4.8.2.3.1 Integrated Control Panel (ICP) TR: TOs 5N29-14-2, 5N29-20-2											
4.8.2.3.1.1 Theory of operation								-	-	-	-
4.8.2.3.1.2 Perform maintenance testing								-	-	-	-
4.8.2.3.1.3 Isolate/repair malfunctions								-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
4.8.2.3.2 Aft Station Control Panel (IKP) TR: TO 11F32-2-40-2											
4.8.2.3.2.1 Theory of operation								-	-	-	-
4.8.2.3.2.2 Perform maintenance testing								-	-	-	-
4.8.2.3.2.3 Isolate/repair Malfunctions								-	-	-	-
4.8.2.3.3 Communications Control Panel TR: TO 12R-4-179-2											
4.8.2.3.3.1 Theory of operation								-	-	-	-
4.8.2.3.3.2 Perform maintenance testing								-	-	-	-
4.8.2.3.3.3 Isolate/repair Malfunctions								-	-	-	-
4.8.2.3.4 Pilot's Control Grip Assembly TR: TOs 16C1-27-20-2, 16C1-27-30-2											
4.8.2.3.4.1 Theory of operation								-	-	-	-
4.8.2.3.4.2 Perform maintenance testing	*							-	-	-	-
4.8.2.3.4.3 Isolate/repair malfunctions	*							-	-	-	-
4.8.2.3.5 Throttle Grip Assembly TR: TOs 2JA8-24-2, 2JA8-24-12											
4.8.2.3.5.1 Theory of operation								-	-	-	-
4.8.2.3.5.2 Perform maintenance testing	*							-	-	-	-
4.8.2.3.5.3 Isolate/repair malfunctions	*							-	-	-	-
4.8.2.3.6 Aft Pilot's Control Grip Assembly TR: TOs 16C1-27-20-2, 16C1-27-30-2											
4.8.2.3.6.1 Theory of operation								-	-	-	-
4.8.2.3.6.2 Perform maintenance testing								-	-	-	-
4.8.2.3.6.3 Isolate/repair malfunctions								-	-	-	-
4.8.2.3.7 Aft Throttle Grip Assembly TR: TOs 2JA8-24-2, 2JA8-24-12											
4.8.2.3.7.1 Theory of operation								-	-	-	-
4.8.2.3.7.2 Perform maintenance testing								-	-	-	-
4.8.2.3.7.3 Isolate/repair malfunctions								-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
4.8.2.3.8 Avionic Power Panel TR: TO 8C21-30-2											
4.8.2.3.8.1 Perform maintenance testing								-	-	-	-
4.8.2.3.8.2 Isolate/repair malfunctions								-	-	-	-
4.8.2.3.9 Digital Engine Functional Tester (DEFT)											
4.8.2.3.9.1 Theory								-	-	-	-
4.8.2.3.9.2 Perform maintenance testing								-	-	-	-
4.8.2.3.9.3 Isolate/repair malfunctions								-	-	-	-
4.8.2.3.10 Digital Electronic Engine Controller (DEEC) TR: TO 6J3-4-117-2											
4.8.2.3.10.1 Theory								-	-	-	-
4.8.2.3.10.2 Perform maintenance testing								-	-	-	-
4.8.2.3.10.3 Isolate/repair malfunctions								-	-	-	-
4.8.2.3.11 Engine Diagnostic Unit (EDU) TR: TO 5E1-2-15-2											
4.8.2.3.11.1 Theory								-	-	-	-
4.8.2.3.11.2 Perform maintenance testing								-	-	-	-
4.8.2.3.11.3 Isolate/repair malfunctions								-	-	-	-
4.8.2.3.12 Engine Control Throttle Quadrant Assembly TR: TOs 2JA8-24-2,2JA8-24-12											
4.8.2.3.12.1 Theory								-	-	-	-
4.8.2.3.12.2 Perform maintenance testing								-	-	-	-
4.8.2.3.12.3 Isolate/repair malfunctions								-	-	-	-
4.8.2.3.13 Field Reprogramming Set											
4.8.2.3.13.1 Theory of operation								-	-	-	-
4.8.2.3.13.2 Operate								-	-	-	-
4.9 Rack Mount Improved Avionic Intermediate Shop (R-IAIS) TEST STATION TR: 33D7-38-321 series											
4.9.1 Peculiar ATLAS statements								-	-	-	-
4.9.2 Operating Procedures TR:											

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
33D7-38-321-2											
4.9.2.1 Preparation for use/shipment								-	-	-	-
4.9.2.2 Perform turn-on procedures								-	-	-	-
4.9.2.3 Perform standby procedure								-	-	-	-
4.9.2.4 Perform shutdown procedures								-	-	-	-
4.9.2.5 Perform operator inspection								-	-	-	-
4.9.2.6 Perform cleaning								-	-	-	-
4.9.2.7 Perform software updates								-	-	-	-
4.9.2.8 Emergency shutdown								-	-	-	-
4.9.2.9 Classified pre/post processing								-	-	-	-
4.9.3 Perform Periodic Inspections											
4.9.3.1 30 day								-	-	-	-
4.9.3.2 180 day								-	-	-	-
4.9.4 Peculiar Subsystems TR: TO 33D7-38-291 series											
4.9.4.1 Theory of Operation											
4.9.4.1.1 3 Bay rack assembly								-	-	-	-
4.9.4.1.2 Computer assembly								-	-	-	-
4.9.4.1.3 AC Power supply								-	-	-	-
4.9.4.1.4 Blower unit								-	-	-	-
4.9.4.1.5 Frequency changer								-	-	-	-
4.9.4.1.6 Interface unit								-	-	-	-
4.9.4.1.7 Isolation relay								-	-	-	-
4.9.4.1.8 Power control unit								-	-	-	-
4.9.4.1.9 Refrigeration unit								-	-	-	-
4.9.4.1.10 Optical test bench								-	-	-	-
4.9.4.1.11 DC power supply								-	-	-	-
4.9.4.1.12 Video display unit								-	-	-	-
4.9.4.1.13 VXI Chassis A								-	-	-	-
4.9.4.1.14 VXI Chassis B								-	-	-	-
4.9.4.1.15 VXI Chassis MU								-	-	-	-
4.9.4.1.16 Peculiar power supply								-	-	-	-
4.9.4.1.17 Self test adapter								-	-	-	-
4.9.4.1.18 Calibration adapter								-	-	-	-
4.9.4.2 Isolate/repair malfunctions											
4.9.4.2.1 3 Bay rack assembly								-	-	-	-
4.9.4.2.2 Computer assembly								-	-	-	-
4.9.4.2.3 AC power supply								-	-	-	-
4.9.4.2.4 Blower unit								-	-	-	-
4.9.4.2.5 Frequency changer								-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
4.9.4.2.6 Interface unit								-	-	-	-
4.9.4.2.7 Isolation relay								-	-	-	-
4.9.4.2.8 Power control unit								-	-	-	-
4.9.4.2.9 Refrigeration unit								-	-	-	-
4.9.4.2.10 Optical test bench								-	-	-	-
4.9.4.2.11 DC power supply								-	-	-	-
4.9.4.2.12 Video display unit								-	-	-	-
4.9.4.2.13 VXI Chassis A								-	-	-	-
4.9.4.2.14 VXI Chassis B								-	-	-	-
4.9.4.2.15 VXI Chassis MU								-	-	-	-
4.9.4.2.16 Peculiar power supply								-	-	-	-
4.9.4.2.17 Self test adapter								-	-	-	-
4.9.4.2.18 Calibration adapter								-	-	-	-
4.9.4.3 Perform Semi-Automatic Tests											
4.9.4.3.1 CONF								-	-	-	-
4.9.4.3.2 DIAG								-	-	-	-
4.9.4.3.3 ALIN								-	-	-	-
4.9.4.3.4 CALS								-	-	-	-
4.9.4.4 Perform Manual Alignment and Adjustment of:											
4.9.4.4.1 Blower unit								-	-	-	-
4.9.4.4.2 OTB								-	-	-	-
4.9.4.5 R-IAIS LRU and ITA Maintenance											
4.9.4.5.1 Data Transfer Unit (DTU) TR: TOs 12S2-4-13-series, 33D7-50-1897-1											
4.9.4.5.1.1 Theory of operation								-	-	-	-
4.9.4.5.1.2 Operational check								-	-	-	-
4.9.4.5.1.3 Isolate/repair malfunctions								-	-	-	-
4.9.4.5.2 Flight Control Computer (FLCC) TR: TOs 5A7-3-38-series, 33D7-28-35-2, 33D7-50-1898-1											
4.9.4.5.2.1 Theory of operation								-	-	-	-
4.9.4.5.2.2 Operational check								-	-	-	-
4.9.4.5.2.3 Isolate/repair malfunctions								-	-	-	-
4.9.4.5.3 Electronic Component Assembly (ECA) TR: TOs 5F22-16-series, 33D7-28-35-2, 33D7-50-1900-											

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
1											
4.9.4.5.3.1 Theory of operation								-	-	-	-
4.9.4.5.3.2 Operational check								-	-	-	-
4.9.4.5.3.3 Isolate/repair malfunctions								-	-	-	-
4.9.4.5.4 Data Entry Electronics Unit (DEEU) and Enhanced Memory Extended Capabilities DEEU (EXDEEU), Common DEEU (CDEEU) TR: TOs 12S2-4-10-series, 33D7-50-1907-1											
4.9.4.5.4.1 Theory of operation								-	-	-	-
4.9.4.5.4.2 Operational check								-	-	-	-
4.9.4.5.4.3 Isolate/repair malfunctions								-	-	-	-
4.9.4.5.5 Fire Control Computer (FCC), Enhanced Fire Control Computer (EFCC), Expanded FCC (XFCC), Common FCC (CFCC) and EEFCC TR: TOs 11F12-1-series, 33D7-28-35-2, 33D7-50-1911-1											
4.9.4.5.5.1 Theory of operation								-	-	-	-
4.9.4.5.5.2 Operational check								-	-	-	-
4.9.4.5.5.3 Isolate/repair malfunctions								-	-	-	-
4.9.4.5.6 Digital Flight Control Computer (DFLCC) TR: TOs 5A7-3-44-series, 33D7-28-35-2, 33D7-50-1899-1											
4.9.4.5.6.1 Theory of operation								-	-	-	-
4.9.4.5.6.2 Operational check								-	-	-	-
4.9.4.5.6.3 Isolate/repair malfunctions								-	-	-	-
4.9.4.5.7 Wide Angle Conventional Head-Up Display Unit (WAC HUD) TR: TOs 5N29-14-series, 33D7-50-1908-1											
4.9.4.5.7.1 Theory of operation								-	-	-	-
4.9.4.5.7.2 Operational check								-	-	-	-
4.9.4.5.7.3 Isolate/repair malfunctions								-	-	-	-
4.9.4.5.7.4 Alignment								-	-	-	-
4.9.4.5.8 WAC Display Electronic Unit (WAC EU) TR: TOs 5N29-15-											

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
series, 33D7-28-35-2,33D7-50-1909-1											
4.9.4.5.8.1 Theory of operation								-	-	-	-
4.9.4.5.8.2 Operational check								-	-	-	-
4.9.4.5.8.3 Isolate/repair malfunctions								-	-	-	-
4.9.4.5.9 Diffractive Optics Electronic Unit (DO EU) TR: TOs 5N29-15-series, 33D7-50-1908-1											
4.9.4.5.9.1 Theory of operation								-	-	-	-
4.9.4.5.9.2 Operational check								-	-	-	-
4.9.4.5.9.3 Isolate/repair malfunctions								-	-	-	-
4.9.4.5.10 Diffractive Optics Head-Up Display Unit (DO HUD DU) TR: TOs 5N29-20-series, 33D7-50-1909-1											
4.9.4.5.10.1 Theory of operation								-	-	-	-
4.9.4.5.10.2 Operational check								-	-	-	-
4.9.4.5.10.3 Isolate/repair malfunctions								-	-	-	-
4.9.4.5.10.4 Alignment								-	-	-	-
4.9.4.5.11 Signal Processor (AN/ALR-69) TR: TOs 12P3-2ALR69-series, 33D7-50-1970-1											
4.9.4.5.11.1 Theory of operation								-	-	-	-
4.9.4.5.11.2 Operational check								-	-	-	-
4.9.4.5.11.3 Isolate/repair malfunctions								-	-	-	-
4.9.4.5.12 Advanced Central Interface Unit (ACIU), Common Central Interface Unit (CCIU) TR: TOs 11B47-7-4-series, 33D7-50-1910-1											
4.9.4.5.12.1 Theory of operation								-	-	-	-
4.9.4.5.12.2 Operational check								-	-	-	-
4.9.4.5.12.3 Isolate/repair malfunctions								-	-	-	-
4.9.4.5.13 Enhanced Central Interface Unit (ECIU) TR: TOs 11B95-12-series, 33D7-50-1910-1											
4.9.4.5.13.1 Theory of operation								-	-	-	-
4.9.4.5.13.2 Operational check								-	-	-	-
4.9.4.5.13.3 Isolate/repair malfunctions								-	-	-	-
4.9.4.5.14 Programmable Signal											

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
Processor (PSP) (AN/APG-68) TR: TOs 11F101-5-series, 33D7-50-1902-1											
4.9.4.5.14.1 Theory of operation								-	-	-	-
4.9.4.5.14.2 Operational check								-	-	-	-
4.9.4.5.14.3 Isolate/repair malfunctions								-	-	-	-
4.9.4.5.15 Advanced Programmable Signal Processor(APSP), and NPSP (AN/APG-68) TR: TOs 11F101-5-2-series, 33D7-50-1902-1											
4.9.4.5.15.1 Theory of operation								-	-	-	-
4.9.4.5.15.2 Operational check								-	-	-	-
4.9.4.5.15.3 Isolate/repair malfunctions								-	-	-	-
4.9.4.5.16 Radar Modular Low Power RF (MLPRF) (AN/APG-68) TR: TOs 11F45-2-17-series, 33D7-50-1904-1											
4.9.4.5.16.1 Theory of operation								-	-	-	-
4.9.4.5.16.2 Operational check								-	-	-	-
4.9.4.5.16.3 Isolate/repair malfunctions								-	-	-	-
4.9.4.5.17 Radar Antenna (AN/APG-68) TR: TOs 11F5-31-series, 33D7-50-1905-1											
4.9.4.5.17.1 Theory of operation								-	-	-	-
4.9.4.5.17.2 Operational check								-	-	-	-
4.9.4.5.17.3 Isolate/repair malfunctions								-	-	-	-
4.9.4.5.18 Dual Mode Transmitter (DMT) (AN/APG-68) TR: TOs 11F45-2-16-series, 33D7-50-1906-1											
4.9.4.5.18.1 Theory of operation								-	-	-	-
4.9.4.5.18.2 Operational check								-	-	-	-
4.9.4.5.18.3 Isolate/repair malfunctions								-	-	-	-
4.9.4.5.19 MIDS/LVT TR: TO 12R2-2USQ140-8-1, 33D7-50-2965-1											
4.9.4.5.19.1 Theory of operation								-	-	-	-
4.9.4.5.19.2 Operational check								-	-	-	-
4.9.4.5.19.3 Isolate/repair malfunctions								-	-	-	-
4.9.4.5.20 Advanced Conventional											

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
Remote Interface Unit (ACRIU) TR: TOs 11B95-8-series, 33D7-50-697-series											
4.9.4.5.20.1 Theory of operation								-	-	-	-
4.9.4.5.20.2 Operational check								-	-	-	-
4.9.4.5.20.3 Isolate/repair malfunctions								-	-	-	-
4.9.4.5.21 Advanced Missile Remote Interface Unit (AMRIU) TR: TOs 11B95-10-series, 33D7-50-697-series											
4.9.4.5.21.1 Theory of operation								-	-	-	-
4.9.4.5.21.2 Operational check								-	-	-	-
4.9.4.5.21.3 Isolate/repair malfunctions								-	-	-	-
4.9.4.5.22 Jettison/Release Remote Interface Unit (J/R RIU) TR: TOs 11B95-4-series, 33D7-50-272-series											
4.9.4.5.22.1 Theory of operation								-	-	-	-
4.9.4.5.22.2 Operational check								-	-	-	-
4.9.4.5.22.3 Isolate/repair malfunctions								-	-	-	-
4.9.4.5.23 Flight Control Panel (FLCP) TR: TOs 5A13-5-20-series, 33D7-50-358-series											
4.9.4.5.23.1 Theory of operation								-	-	-	-
4.9.4.5.23.2 Operational check								-	-	-	-
4.9.4.5.23.3 Isolate/repair malfunctions								-	-	-	-
4.9.4.5.24 Embedded GPS/INS (EGI)											
4.9.4.5.24.1 Theory of operation								-	-	-	-
4.9.4.5.24.2 Operational check								-	-	-	-
4.9.4.5.24.3 Isolate/repair malfunctions								-	-	-	-
4.9.4.5.24.4 Perform operational flight plan load								-	-	-	-
4.9.4.5.25 SAASM EGI											
4.9.4.5.25.1 Theory of operation								-	-	-	-
4.9.4.5.25.2 Operational check								-	-	-	-
4.9.4.5.25.3 Isolate/repair malfunctions								-	-	-	-
4.9.4.5.25.4 Perform operational flight plan load								-	-	-	-
4.9.4.5.26 Data Entry Display (DED)											

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
4.9.4.5.26.1 Theory of operation								-	-	-	-
4.9.4.5.26.2 Operational check								-	-	-	-
4.9.4.5.26.3 Isolate/repair malfunctions								-	-	-	-
4.9.4.5.27 Multifunctional Display (MFD)											
4.9.4.5.27.1 Theory of operation								-	-	-	-
4.9.4.5.27.2 Operational check								-	-	-	-
4.9.4.5.27.3 Isolate/repair malfunctions								-	-	-	-
4.9.4.5.28 Central Air Data Computer (CADC)											
4.9.4.5.28.1 Theory of operation								-	-	-	-
4.9.4.5.28.2 Operational check								-	-	-	-
4.9.4.5.28.3 Isolate/repair malfunctions								-	-	-	-
4.9.4.5.29 Pneumatic Sensor Assembly (PSA)											
4.9.4.5.29.1 Theory of operation								-	-	-	-
4.9.4.5.29.2 Operational check								-	-	-	-
4.9.4.5.29.3 Isolate/repair malfunctions								-	-	-	-
4.9.4.5.30 Color Multifunctional Display (CMFD)											
4.9.4.5.30.1 Theory of operation								-	-	-	-
4.9.4.5.30.2 Operational check								-	-	-	-
4.9.4.5.30.3 Isolate/repair malfunctions								-	-	-	-
4.9.4.5.31 Expanded/Enhanced/ Upgraded/Color Programmable Display Generator (XPDG/EUPDG/CPDG)											
4.9.4.5.31.1 Theory of operation								-	-	-	-
4.9.4.5.31.2 Operational check								-	-	-	-
4.9.4.5.31.3 Isolate/repair malfunctions								-	-	-	-

B-2 TRAINING REQUIREMENTS

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
5 ATTACHMENT 5, B-2 TRAINING REQUIREMENTS											
5.1 RFAD/DIFA Test Station TR: TO 33D7-3-341-1											
5.1.1 Theory of Operation											
5.1.1.1 Computer and peripherals								A	A	-	-
5.1.1.2 Analog subsystems								-	A	-	-
5.1.1.3 TUB and ASCOR								A	A	-	-
5.1.1.4 TEST STATION COOLING								-	-	-	-
5.1.1.5 Power distribution								-	A	-	-
5.2 RFAD/DIFA Test Station Procedures											
5.2.1 Computer Systems											
5.2.1.1 Sun Computer TR: TO 31S5-4-2977-7, 31S5-4-2879-1											
5.2.1.1.1 Execute software		*						-	-	-	-
5.2.1.1.2 Isolate/repair malfunctions		*						-	-	-	-
5.2.1.2 Dec/Alpha Computer TR: TO 31S5-4-2919-8-1											
5.2.1.2.1 Execute software	*							A	A	-	-
5.2.1.2.2 Isolate/repair malfunctions		*						-	-	-	-
5.2.1.3 Computer Peripherals											
5.2.1.3.1 Operate	*							-	-	-	-
5.2.1.3.2 Isolate/repair malfunctions		*						-	-	-	-
5.2.1.4 Ethernet/Ethernet Devices TR: TOS 31R2-4-1851-7, 31S5-4-2847-7, 31S5-4-2913-1, 31S5-4-2914-1, 31S5-4-2918-7, 31S5-4-2920-1, 31S5-4-2940-7											
5.2.1.4.1 Isolate/repair malfunctions								-	-	-	-
5.2.1.5 HPIB Bus TR: TO 33A1-7-363-7											
5.2.1.5.1 Isolate/repair malfunctions								-	-	-	-
5.2.2 TUB TR: TO 33D7-71-80-2											
5.2.2.1 Isolate/repair malfunctions		*						-	-	-	-
5.2.3 Bay 1 TR: TO 33D7-3-431-1											
5.2.3.1 Power Control Panel											
5.2.3.1.1 Operate	*							-	-	-	-
5.2.3.1.2 Isolate/repair malfunctions								-	-	-	-
5.2.4 Bay 2 TRUs TR: TO 33D7-3-431-1											
5.2.4.1 Digital Oscilloscope											

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
(HP54542A)											
5.2.4.1.1 Isolate malfunctions	*							-	-	-	-
5.2.4.1.2 Remove and replace	*							-	-	-	-
5.2.4.2 Pulse Generators 1 and 2 (HP8110A) TR: TO 33A1-8-1148-1, 33A1-8-1149-2											
5.2.4.2.1 Isolate malfunctions	*							-	-	-	-
5.2.4.2.2 Remove and replace	*							-	-	-	-
5.2.4.3 ASCOR Matrix											
5.2.4.3.1 Isolate malfunctions		*						-	-	-	-
5.2.4.3.2 Remove and replace	*							-	-	-	-
5.2.4.4 Isolate Malfunctions VXI Mainframe and Sub-components TR: TO 33D7-71-80-2											
5.2.4.4.1 Isolate malfunctions		*						-	-	-	-
5.2.4.4.2 Remove and replace	*							-	-	-	-
5.2.5 Bay 4 TRUs TR: TOs 33D7-3-431-1, 33D7-71-80-2											
5.2.5.1 Counter (HP53132A) TR: TOs 33A1-10-317-1, 33A1-10-319-1, 33A1-10-320-1											
5.2.5.1.1 Isolate malfunctions		*						-	-	-	-
5.2.5.1.2 Remove and replace		*						-	-	-	-
5.2.5.2 AFG 2020 TR: TO 31S5-4-2939-8-1											
5.2.5.2.1 Isolate malfunctions	*							-	-	-	-
5.2.5.2.2 Remove and replace	*							-	-	-	-
5.2.5.3 Wavetek 295 TR: TOs 33A1-8-1158-1, 33A1-8-1159-2											
5.2.5.3.1 Isolate malfunctions		*						-	-	-	-
5.2.5.3.2 Remove and replace								-	-	-	-
5.2.5.4 Universal Source (HP3245A) TR: TOs 31S5-4-2913-7, 33A1-3-614-5, 33A1-3-615-2, 33A1-3-616-1											
5.2.5.4.1 Isolate malfunctions	*							-	-	-	-
5.2.5.4.2 Remove and replace	*							-	-	-	-
5.2.5.5 AC/DC Signal Switching Matrix (HP8760A K83) TR: TO 33A1-3-607-1											
5.2.5.5.1 Isolate malfunctions	*							-	-	-	-
5.2.5.5.2 Remove and replace	*							-	-	-	-
5.2.5.6 Switch Driver (HP11713A)											

B-2 TRAINING REQUIREMENTS

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
TR: TOs 33D7-72-20-1											
5.2.5.6.1 Isolate malfunctions	*							-	-	-	-
5.2.5.6.2 Remove and replace	*							-	-	-	-
5.2.5.7 DC Signal Source Amplifier (HP85127)											
5.2.5.7.1 Isolate malfunctions	*							-	-	-	-
5.2.5.7.2 Remove and replace	*							-	-	-	-
5.2.5.8 Multimeter (HP3458A) TR: TOs 33A1-12-1442-1, 33A1-13-1444-2, 33A1-12-1445-5											
5.2.5.8.1 Isolate malfunctions	*							-	-	-	-
5.2.5.8.2 Remove and replace		*						-	-	-	-
5.2.5.9 Audio Analyzer (HP8903) TR: TO 33A1-13-722-1											
5.2.5.9.1 Isolate malfunctions	*							-	-	-	-
5.2.5.9.2 Remove and replace		*						-	-	-	-
5.2.5.10 RS232/IEEE-488 Interface Converter TR: TOs 33A1-7-367-1											
5.2.5.10.1 Isolate malfunctions		*						-	-	-	-
5.2.5.10.2 Remove and replace		*						-	-	-	-
5.2.6 BAY 5 TRUs TR: TO 33D7-3-431-1											
5.2.6.1 DC Supply 6 (HP6674) TR: TOs 35C1-2-1339-1, 35C1-2-1340-1, 35C1-2-1341-2, 35C1-2-1342-2-1											
5.2.6.1.1 Isolate malfunctions		*						-	-	-	-
5.2.6.1.2 Remove and replace		*						-	-	-	-
5.2.6.2 Power Supply 7 (HV 350) TR: TO 33D7-6-366-1											
5.2.6.2.1 Isolate malfunctions		*						-	-	-	-
5.2.6.2.2 Remove and replace		*						-	-	-	-
5.2.6.3 AC Power Source (California Instruments 4500L) TR: TO 33D7-6-365-7											
5.2.6.3.1 Isolate malfunctions		*						-	-	-	-
5.2.6.3.2 Remove and replace		*						-	-	-	-
5.2.6.4 Bus Expander (GPIB-120A) TR: TO 31S5-4-2934-8-1											
5.2.6.4.1 Isolate malfunctions		*						-	-	-	-
5.2.6.4.2 Remove and replace		*						-	-	-	-
5.2.6.5 Upper/Lower AC Expansion Box											

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
5.2.6.5.1 Isolate/repair malfunctions		*						-	-	-	-
5.2.6.6 VXI/Computer Power Supplies											
5.2.6.6.1 Isolate/repair malfunctions		*						-	-	-	-
5.2.6.7 Power Distribution Units/Power Strips											
5.2.6.7.1 Isolate/repair malfunctions		*						-	-	-	-
5.2.7 BAY 7 TRUs TR: TO 33D7-3-431-1											
5.2.7.1 Data Generator (HP8000) TR: TOs 33A1-8-1145-7, 33A1-8-1146-1											
5.2.7.1.1 Isolate malfunctions								-	-	-	-
5.2.7.1.2 Remove and replace								-	-	-	-
5.2.7.2 Power Supply 4 (HP6642A) TR: TOs 35C1-2-1339-1, 35C1-2-1340-1											
5.2.7.2.1 Isolate malfunctions		*						-	-	-	-
5.2.7.2.2 Remove and replace		*						-	-	-	-
5.2.7.3 Power Supply 3a:A thru 3b:C (HP6675A) TR: TOs 35C1-2-1339-1, 35C1-2-1342-2											
5.2.7.3.1 Isolate malfunctions		*						-	-	-	-
5.2.7.3.2 Remove and replace		*						-	-	-	-
5.2.8 BAY 8 TRUs TR: TO 33D7-3-431-1											
5.2.8.1 DC Loads 1, 2, and 3 (HP6050A) TR: TOs 31S5-4-2943-2, 33A1-3-617-1											
5.2.8.1.1 Isolate malfunctions		*						-	-	-	-
5.2.8.1.2 Remove and replace								-	-	-	-
5.2.8.2 Power Supplies 1:A thru 2:D (HP6033A, HP6038A) TR: TO 33A1-7-371-1											
5.2.8.2.1 Isolate malfunctions		*						-	-	-	-
5.2.8.2.2 Remove and replace		*						-	-	-	-
5.2.8.3 DC Supplies 5, 8, and 10 (HP6672A, HP6673A) TR: TOs 35C1-2-1339-1,35C1-2-1342-2											
5.2.8.3.1 Isolate malfunctions		*						-	-	-	-
5.2.8.3.2 Remove and replace		*						-	-	-	-
5.2.8.4 Relay Box B TR: TO 33A1-7-363-7											
5.2.8.4.1 Isolate malfunctions		*						-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
5.2.8.4.2 Remove and replace								-	-	-	-
5.3 B-2 SUPPORT EQUIPMENT											
5.3.1 DIFA PCE Cart TR: TO 33B4-8-11-1											
5.3.1.1 Theory								A	A	-	-
5.3.1.2 Operation	*							-	-	-	-
5.3.1.3 Remove and Replace TRUs	*							-	-	-	-
5.3.2 Intermediate Roll-up Cart TR: TO 33D7-50-2655-1											
5.3.2.1 Theory								-	-	-	-
5.3.2.2 30-Day								-	-	-	-
5.3.2.3 180-Day								-	-	-	-
5.3.2.4 Isolate malfunctions								-	-	-	-
5.3.2.5 Remove and replace								-	-	-	-
5.3.3 Forced Air Cooling Cart (FACC) TR: TO 35E10-31-1											
5.3.3.1 Theory								-	-	-	-
5.3.3.2 Test								-	-	-	-
5.3.3.3 Isolate/repair malfunctions								-	-	-	-
5.3.3.4 180-Day								-	-	-	-
5.4 B-2 DIFA/RFAD Maintenance											
5.4.1 DIFA/RFAD Operating Procedures TR: TO 33D7-3-431-1-1											
5.4.1.1 Perform turn-on	*							-	-	-	-
5.4.1.2 Perform shutdown	*							-	-	-	-
5.4.1.3 Perform operator inspection	*							-	-	-	-
5.4.1.4 Perform cleaning	*							-	-	-	-
5.4.1.5 Operate mechanical rotation system								-	-	-	-
5.4.2 Perform DIFA/RFAD Preventative Maintenance TR: TO 33D7-3-431-1-1											
5.4.2.1 7-day	*							-	-	-	-
5.4.2.2 30-day	*							-	-	-	-
5.4.2.3 90-day	*							-	-	-	-
5.4.2.4 180-day	*							-	-	-	-
5.4.3 Perform DIFA/RFAD Functional Testing TR: TO 33D7-70-80-2, 33A1-7-376-1, CPIN 81T B2/AUTOCALVER/US-001-00A											
5.4.3.1 Overnights	*							-	A	-	-
5.4.3.2 Checkers	*							-	A	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
5.4.3.3 Self test	*							-	A	-	-
5.4.3.4 Norm cal	*							-	-	-	-
5.4.3.5 Manual Cal Ver		*						-	-	-	-
5.4.3.6 Automatic Cal Ver	*							-	-	-	-
5.4.4 DIFA/RFAD Classification Procedures TR: CPIN: 81TB2/AUTODECLASS-U001-00A, 81T-B2/AUTODECLASS-U001-00D											
5.4.4.1 Classify station	*							-	-	-	-
5.4.4.2 Declassify station	*							-	-	-	-
5.5 LINE REPLACEABLE UNIT (LRU) MAINTENANCE											
5.5.1 Base Fixture TR: CPIN: 81T-B2/IST-T130-00A											
5.5.1.1 Theory of operation								-	-	-	-
5.5.1.2 Test											
5.5.1.2.1 Fixture	*							-	-	-	-
5.5.1.2.2 PM	*							-	-	-	-
5.5.1.3 Repair											
5.5.1.3.1 Fixture		*						-	-	-	-
5.5.1.3.2 PM								-	-	-	-
5.5.2 Actuator Remote Terminal (ART) TR: TO 8D1-64-21-2, 8D1-64-21-4, CPIN: 81F-OQ498/ART-U001-01A											
5.5.2.1 Theory of operation								-	-	-	-
5.5.2.2 Test											
5.5.2.2.1 PM	*							-	-	-	-
5.5.2.2.2 LRU	*							-	-	-	-
5.5.2.3 Repair											
5.5.2.3.1 PM		*						-	-	-	-
5.5.2.3.2 LRU	*							-	-	-	-
5.5.3 Anti-Skid Control Unit (ASCU) TR: TO 4BA8-43-2, CPIN: 81U-OQ503/ASCU-U001-01A											
5.5.3.1 Theory of operation								-	-	-	-
5.5.3.2 Test											
5.5.3.2.1 PM	*							-	-	-	-
5.5.3.2.2 LRU	*							-	-	-	-
5.5.3.3 Repair											
5.5.3.3.1 PM								-	-	-	-
5.5.3.3.2 LRU	*							-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
5.5.4 Audio Central Distribution Unit (ACDU) TR: TO 12R2-4-303-Series, CPIN: 81C-OQ470/ACDU-U001-01A											
5.5.4.1 Theory of operation								-	-	-	-
5.5.4.2 Test											
5.5.4.2.1 PM	*							-	-	-	-
5.5.4.2.2 LRU								-	-	-	-
5.5.4.3 Repair											
5.5.4.3.1 PM								-	-	-	-
5.5.4.3.2 LRU								-	-	-	-
5.5.5 Audio Control Panel (ACP) TR: TO 12R2-4-304-Series, CPIN: 81C-OQ470/ACDU-U001-01A											
5.5.5.1 Theory of operation								-	-	-	-
5.5.5.2 Test											
5.5.5.2.1 PM	*							-	-	-	-
5.5.5.2.2 LRU								-	-	-	-
5.5.5.3 Repair											
5.5.5.3.1 PM								-	-	-	-
5.5.5.3.2 LRU								-	-	-	-
5.5.6 Avionic Control Computer (ACC) TR: TO 12P5-4-91-Series,CPIN: 81Q-OQ512/ACC-U001-01A											
5.5.6.1 Theory of operation								-	-	-	-
5.5.6.2 Test											
5.5.6.2.1 PM	*							-	-	-	-
5.5.6.2.2 LRU	*							-	-	-	-
5.5.6.3 Repair											
5.5.6.3.1 PM								-	-	-	-
5.5.6.3.2 LRU	*							-	-	-	-
5.5.7 Bus Control Unit (BCU) TR: TOs 8A3-5-60-Series, CPIN: 81Q-OQ497/BCU-U001-01A											
5.5.7.1 Theory of operation								-	-	-	-
5.5.7.2 Test											
5.5.7.2.1 PM	*							-	-	-	-
5.5.7.2.2 LRU								-	-	-	-
5.5.7.3 Repair											
5.5.7.3.1 PM								-	-	-	-
5.5.7.3.2 LRU								-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
5.5.8 Conditioned Air System Controller (CASC) TR: TOs 15A-2-8-Series, CPIN: 81N-OQ469/CASC-U001-01A											
5.5.8.1 Theory of operation								-	-	-	-
5.5.8.2 Test											
5.5.8.2.1 PM	*							-	-	-	-
5.5.8.2.2 LRU								-	-	-	-
5.5.8.3 Repair											
5.5.8.3.1 PM								-	-	-	-
5.5.8.3.2 LRU								-	-	-	-
5.5.9 Engine Start Control Unit (ESCU) TR: TOs 2JA3-67-Series, CPIN: 81E-OQ474/ESCU-U001-01A											
5.5.9.1 Theory of operation								-	-	-	-
5.5.9.2 Test											
5.5.9.2.1 PM	*							-	-	-	-
5.5.9.2.2 LRU								-	-	-	-
5.5.9.3 Repair											
5.5.9.3.1 PM								-	-	-	-
5.5.9.3.2 LRU								-	-	-	-
5.5.10 Engine Thrust Control Unit (ETCU) TR: TOs 8D3-3-4-Series, CPIN: 81E-OQ468/ETCU-U001-01D											
5.5.10.1 Theory of operation								-	-	-	-
5.5.10.2 Test											
5.5.10.2.1 PM	*							-	-	-	-
5.5.10.2.2 LRU								-	-	-	-
5.5.10.3 Repair											
5.5.10.3.1 PM								-	-	-	-
5.5.10.3.2 LRU								-	-	-	-
5.5.11 Fire Warning and Leak Detector (FWALD) TR: TOs 8A3-17-7-Series, CPIN: 81E-OQ473/FWLDC-U001-01A											
5.5.11.1 Theory of operation								-	-	-	-
5.5.11.2 Test											
5.5.11.2.1 PM	*							-	-	-	-
5.5.11.2.2 LRU								-	-	-	-
5.5.11.3 Repair											
5.5.11.3.1 PM								-	-	-	-
5.5.11.3.2 LRU								-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
5.5.12 Flight Control Computer (FCC) TR: TOs 5F5-13-6-Series, CPIN: 81F-OQ513/FCC-U001-01A											
5.5.12.1 Theory of operation								-	-	-	-
5.5.12.2 Test											
5.5.12.2.1 PM	*							-	-	-	-
5.5.12.2.2 LRU	*							-	-	-	-
5.5.12.3 Repair											
5.5.12.3.1 PM								-	-	-	-
5.5.12.3.2 LRU	*							-	-	-	-
5.5.12.4 Erase/Reprogram EEPROM CCA	*							-	-	-	-
5.5.13 Fuel Management Measurement Processor (FMMP) TR: TOs 5L18-4-Series, CPIN: 81S-OQ502/FMMP U001-01A											
5.5.13.1 Theory of operation								-	-	-	-
5.5.13.2 Test											
5.5.13.2.1 PM	*							-	-	-	-
5.5.13.2.2 LRU								-	-	-	-
5.5.13.3 Repair											
5.5.13.3.1 PM								-	-	-	-
5.5.13.3.2 LRU								-	-	-	-
5.5.14 Manual Fuel Control Panel (MFCP) 8334706 TR: TOs 8D3-18-19-Series, CPIN: 81S-OQ472/MFCP-U001-01A											
5.5.14.1 Theory of operation								-	-	-	-
5.5.14.2 Test											
5.5.14.2.1 PM	*							-	-	-	-
5.5.14.2.2 LRU	*							-	-	-	-
5.5.14.3 Repair											
5.5.14.3.1 PM								-	-	-	-
5.5.14.3.2 LRU	*							-	-	-	-
5.5.15 Power Control Unit (PCU) TR: TOs 12R5-4-224-Series, CPIN: 81F-OQ500/PCU-U001-01A											
5.5.15.1 Theory of operation								-	-	-	-
5.5.15.2 Test											
5.5.15.2.1 PM	*							-	-	-	-
5.5.15.2.2 LRU	*							-	-	-	-
5.5.15.3 Repair											

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
5.5.15.3.1 PM								-	-	-	-
5.5.15.3.2 LRU	*							-	-	-	-
5.5.16 Power Drive Controller (PDC)TR: TOs 8D3-3-5-Series, CPIN: 81Q-OQ505/PDC-U001-01A											
5.5.16.1 Theory of operation								-	-	-	-
5.5.16.2 Test											
5.5.16.2.1 PM	*							-	-	-	-
5.5.16.2.2 LRU								-	-	-	-
5.5.16.3 Repair											
5.5.16.3.1 PM								-	-	-	-
5.5.16.3.2 LRU								-	-	-	-
5.5.17 Status Monitor Remote Terminal (SMRT) TR: TOs 8A3-17-8-Series, CPIN: 81F-OQ467/SMRT-U001-01A											
5.5.17.1 Theory of operation								-	-	-	-
5.5.17.2 Test											
5.5.17.2.1 PM	*							-	-	-	-
5.5.17.2.2 LRU	*							-	-	-	-
5.5.17.3 Repair											
5.5.17.3.1 PM								-	-	-	-
5.5.17.3.2 LRU	*							-	-	-	-
5.5.18 Generator Control Unit (GCU) TR: TO 8A3-5-59-2											
5.5.18.1 Theory of operation								-	-	-	-
5.5.18.2 Test											
5.5.18.2.1 PM	*							-	-	-	-
5.5.18.2.2 LRU								-	-	-	-
5.5.18.3 Repair											
5.5.18.3.1 PM								-	-	-	-
5.5.18.3.2 LRU								-	-	-	-
5.5.19 Electronic Control Unit/Auxillary Power Unit TR: TO 8D3-6-27-Series, CPIN: 81QOQ475/ECU-U001-01A											
5.5.19.1 Theory of operation								-	-	-	-
5.5.19.2 Test											
5.5.19.2.1 PM	*							-	-	-	-
5.5.19.2.2 LRU								-	-	-	-
5.5.19.3 Repair											
5.5.19.3.1 PM								-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
5.5.19.3.2 LRU								-	-	-	-
5.6 B-2 MANUAL SUPPORT EQUIPMENT/LRU MAINTENANCE											
5.6.1 Equipment											
5.6.1.1 Serial Bus Analyzer TR: TBD											
5.6.1.1.1 Theory								-	-	-	-
5.6.1.1.2 Operate	*							-	-	-	-
5.6.1.1.3 Calibrate		*						-	-	-	-
5.6.1.1.4 Isolate/repair malfunctions								-	-	-	-
5.6.1.2 Cable Breakout Adapter											
5.6.1.2.1 Theory								-	-	-	-
5.6.1.2.2 Operate	*							-	-	-	-
5.6.1.2.3 Isolate/repair malfunctions	*							-	-	-	-
5.6.1.3 EPROM Erasing System											
5.6.1.3.1 Theory								-	-	-	-
5.6.1.3.2 Operate	*							-	-	-	-
5.6.1.3.3 Isolate/Repair malfunctions								-	-	-	-
5.6.1.4 Relay Panel Tester TR: TO 33D7-10-280-1											
5.6.1.4.1 Theory of operation								-	-	-	-
5.6.1.4.2 Perform maintenance testing	*							-	-	-	-
5.6.1.4.3 Calibrate	*							-	-	-	-
5.6.1.4.4 Isolate/repair malfunctions		*						-	-	-	-
5.6.2 LRUs											
5.6.2.1 Avionic Processor Control Panel TR: TO 12R5-4-226-2											
5.6.2.1.1 Theory of operation								-	-	-	-
5.6.2.1.2 Perform maintenance testing								-	-	-	-
5.6.2.1.3 Isolate/repair malfunctions								-	-	-	-
5.6.2.2 Angle-of-Attack Indexers TR: TO 5F24-3-2											
5.6.2.2.1 Theory of operation								-	-	-	-
5.6.2.2.2 Perform maintenance testing								-	-	-	-
5.6.2.2.3 Isolate/repair malfunctions								-	-	-	-
5.6.2.3 Alternate Trim Control Panel TR: TO 8C3-14-29-2											
5.6.2.3.1 Theory of operation								-	-	-	-
5.6.2.3.2 Perform maintenance								-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
Testing											
5.6.2.3.3 Isolate/repair malfunctions								-	-	-	-
5.6.2.4 Flight Control Maintenance Panel TR: TO 8C3-14-30-2											
5.6.2.4.1 Theory of operation								-	-	-	-
5.6.2.4.2 Perform maintenance testing								-	-	-	-
5.6.2.4.3 Isolate/repair malfunctions								-	-	-	-
5.6.2.5 Fuel Control Relay Panel TR: TO 8RA1-6-2											
5.6.2.5.1 Theory of operation								-	-	-	-
5.6.2.5.2 Perform maintenance testing	*							-	-	-	-
5.6.2.5.3 Isolate/repair malfunctions		*						-	-	-	-
5.6.2.6 Power Control Relay Panel TR: TO 8RA1-5-2											
5.6.2.6.1 Theory of operation								-	-	-	-
5.6.2.6.2 Perform Maintenance Testing								-	-	-	-
5.6.2.6.3 Isolate/Repair Malfunctions								-	-	-	-
5.6.2.7 Ground Refuel Panel TR: TO 16W7-53-2											
5.6.2.7.1 Theory of operation								-	-	-	-
5.6.2.7.2 Perform maintenance testing								-	-	-	-
5.6.2.7.3 Isolate/repair malfunctions								-	-	-	-
5.6.2.8 On Board Maintenance Printer (OBMP) TR: TO 12S2-4-21-Series											
5.6.2.8.1 Theory of operation								-	-	-	-
5.6.2.8.2 Perform maintenance testing								-	-	-	-
5.6.2.8.3 Isolate/repair malfunctions								-	-	-	-
5.6.2.9 Control Stick Grip Assembly TR: TO 8RA1-5-2											
5.6.2.9.1 Theory of operation								-	-	-	-
5.6.2.9.2 Perform maintenance testing								-	-	-	-
5.6.2.9.3 Isolate/repair malfunctions	*							-	-	-	-
5.6.2.10 Miniature Airborne GPS Receiver (MAGR) TR: TO 12R5-4-260-8-1											

B-2 TRAINING REQUIREMENTS

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
5.6.2.10.1 Theory								-	-	-	-
5.6.2.10.2 Programming	*							-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
6 ATTACHMENT 6, C-17 TRAINING REQUIREMENTS											
6.1 C-17 Avionic Intermediate Shop											
6.1.1 C-17 Automatic Test Equipment (CATE) Test Station TR: TO 33D7-24-34-1; 33D7-24-34-8-1											
6.1.1.1 Theory of operation											
6.1.1.1.1 Druck pneumatic pressure stimulus cart								A	B	-	-
6.1.1.1.2 Display unit test set								A	B	-	-
6.1.1.1.3 Measurement subsystem								A	B	-	-
6.1.1.1.4 Stimulus subsystem								A	B	-	-
6.1.1.1.5 Power Subsystem											
6.1.1.1.5.1 Test system power								A	B	-	-
6.1.1.1.5.2 LRU system power								A	B	-	-
6.1.1.1.6 Switching subsystem								A	B	-	-
6.1.1.1.7 Interface connection assembly								A	B	-	-
6.1.1.1.8 Computer subsystem and peripherals								A	B	-	-
6.1.1.2 Software System											
6.1.1.2.1 Execute Personal ATLAS Work Station (PAWS)								-	-	-	-
6.1.1.2.2 Execute national instruments measurement test studio								-	-	-	-
6.1.1.3 Test Station operation TR: TOs 33D7-24-34-1; 33D7-24-34-8-1											
6.1.1.3.1 Perform initial power-up								-	-	-	-
6.1.1.3.2 Perform daily turn-on/shut-down	*							-	-	-	-
6.1.1.3.3 Perform confidence test	*							-	-	-	-
6.1.1.3.4 Perform functional test	*							-	-	-	-
6.1.1.3.5 Perform tier 1 and tier 2 CAL/VER tests		*						-	-	-	-
6.1.1.3.6 Perform special tests		*						-	-	-	-
6.1.1.4 Test Station Maintenance TR: TOs : 33D7-24-34-1; 33D7-24-34-8-1											
6.1.1.4.1 Perform periodic maintenance	*							-	-	-	-
6.1.1.4.2 Isolate malfunctions using PAWS		*						-	-	-	-
6.1.1.4.3 Isolate malfunctions using		*						-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
test studio											
6.1.1.4.4 Minor test station repair		*						-	-	-	-
6.1.1.4.5 Advanced test station repair								-	-	-	-
6.1.2 Head Up Multifunction Tester (HMT)											
6.1.2.1 Theory of operation											
6.1.2.1.1 Display unit test set								-	A	-	-
6.1.2.1.2 Measurement subsystem								-	A	-	-
6.1.2.1.3 Stimulus subsystem								-	A	-	-
6.1.2.1.4 Power Subsystem											
6.1.2.1.4.1 Test system power								-	-	-	-
6.1.2.1.4.2 LRU system power								-	-	-	-
6.1.2.1.5 Switching subsystem								-	-	-	-
6.1.2.1.6 Interface connection assembly								-	-	-	-
6.1.2.1.7 Computer subsystem and peripherals								-	-	-	-
6.1.2.1.8 Software system											
6.1.2.1.8.1 Execute Personal ATLAS Work Station (PAWS)								-	-	-	-
6.1.2.1.8.2 Execute national instruments measurements test studio								-	-	-	-
6.1.2.2 Test Station operation TR: TOs 33D7-24-38-1; 33D7-24-38-8-1											
6.1.2.2.1 Perform initial power-up								-	-	-	-
6.1.2.2.2 Perform daily turn-on/shut-down	*							-	-	-	-
6.1.2.2.3 Perform confidence test	*							-	-	-	-
6.1.2.2.4 Perform functional test	*							-	-	-	-
6.1.2.2.5 Perform tier 1 and tier 2 CAL/VER tests	*							-	-	-	-
6.1.2.2.6 Perform special tests	*							-	-	-	-
6.1.2.3 Test Station Maintenance TR: TOs : 33D7-24-38-1; 33D7-24-38-8-1											
6.1.2.3.1 Perform periodic maintenance								-	-	-	-
6.1.2.3.2 Isolate malfunctions using PAWS								-	-	-	-
6.1.2.3.3 Isolate malfunctions using test studio								-	-	-	-
6.1.2.3.4 Minor test station repair		*						-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
6.1.2.3.5 Advanced test station Repair								-	-	-	-
6.1.3 Display Unit Test Set TR: TO 33B4-11-17-1											
6.1.3.1 Perform initial/daily turn-on	*							-	-	-	-
6.1.3.2 Test Set Maintenance											
6.1.3.2.1 Perform periodic inspections	*							-	-	-	-
6.1.3.2.2 Isolate malfunctions		*						-	-	-	-
6.1.3.2.3 Repair test set								-	-	-	-
6.1.3.2.4 Perform alignment		*						-	-	-	-
6.1.3.2.5 Calibrate test set		*						-	-	-	-
6.1.4 Basic Interface Test Adapter											
6.1.4.1 Perform wrap around test	*							-	-	-	-
6.1.4.2 Isolate and repair malfunction		*						-	-	-	-
6.1.4.3 Perform periodic inspections	*							-	-	-	-
6.1.5 Aerial Delivery Locks Control Panel TR: TOs 8D3-18-13-2, 8D3-18-13-8-1											
6.1.5.1 Perform operational check								-	-	-	-
6.1.5.2 Isolate/repair malfunctions								-	-	-	-
6.1.6 Aerial Delivery System Controller TR: TOs 8D3-34-2-2, 8D3-34-2-8-1											
6.1.6.1 Perform operational check								-	-	-	-
6.1.6.2 Isolate/repair malfunctions								-	-	-	-
6.1.7 Antiskid/Brake Temperature Monitor Control Unit TR: TOs 4B A8-42-2, 4B A8-42-8-1											
6.1.7.1 Perform operational check								-	-	-	-
6.1.7.2 Isolate/repair malfunctions								-	-	-	-
6.1.8 Air Data Computer TR: TOs 5N5-13-24-2, 5N5-13-24-8-1											
6.1.8.1 Perform operational check								-	-	-	-
6.1.8.2 Isolate/repair malfunctions								-	-	-	-
6.1.9 Actuator Flight Control Panel TR: TOs 5A44-12-2, 5A44-12-8-1											
6.1.9.1 Perform operational check								-	-	-	-
6.1.9.2 Isolate/repair malfunctions								-	-	-	-
6.1.10 Automatic Pilot Control Indicator TR: TOs 5A13-5-24-2, 5A13-											

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
5-24-8-1											
6.1.10.1 Perform operational check	*							-	-	-	-
6.1.10.2 Isolate/repair malfunctions	*							-	-	-	-
6.1.11 Central Aural Warning Computer TR: TOs 8C15-11-4-2, 8C15-11-4-8-1											
6.1.11.1 Perform operational check								-	-	-	-
6.1.11.2 Isolate/repair malfunctions								-	-	-	-
6.1.12 Cargo Delivery System Control Status Panel TR: TOs 8D3-18-12-2. 8D3-18-12-8-1											
6.1.12.1 Perform operational check								-	-	-	-
6.1.12.2 Isolate/repair malfunctions								-	-	-	-
6.1.13 Communications Equipment Controller TR: TOs 12R2-4-255-2, 12R2-4-255-8-1											
6.1.13.1 Perform operational check	*							-	-	-	-
6.1.13.2 Isolate/repair malfunctions	*							-	-	-	-
6.1.14 Communication-Navigation Equipment Controller TR: TOs 12R2-4-255-2, 12R2-4-255-8-2											
6.1.14.1 Perform operational check	*							-	-	-	-
6.1.14.2 Isolate/repair malfunctions	*							-	-	-	-
6.1.15 Core Integrated Processor TR: TOs 5N5-13-29-2, 5N5-13-29-8-1											
6.1.15.1 Perform operational check	*							-	-	-	-
6.1.15.2 Isolate/repair malfunctions	*							-	-	-	-
6.1.16 Data Entry Keyboard TR: TOs 5N5-13-23-2, 5N5-13-23-8-1											
6.1.16.1 Perform operational check	*							-	-	-	-
6.1.16.2 Isolate/repair malfunctions	*							-	-	-	-
6.1.17 Mission Computer Display Unit TR: TOs 5N29-23-2, 5N29-13-23-8-1											
6.1.17.1 Perform operational check	*							-	-	-	-
6.1.17.2 Isolate/repair malfunctions	*							-	-	-	-
6.1.18 Multifunction Display Unit TR: TOs 5N29-19-2, 5N29-19-8-1, 5N29-37-2											
6.1.18.1 Perform operational check	*							-	-	-	-
6.1.18.2 Isolate/repair malfunctions	*							-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
6.1.19 Environmental Control System Controller TR: TOs 15 A8-5-88-2, 15A8-5-88-8-1											
6.1.19.1 Perform operational check	*							-	-	-	-
6.1.19.2 Isolate/repair malfunctions	*							-	-	-	-
6.1.20 Electronic Engine Control TR: TOs 8A3-5-56-2, 8A3-5-56-8-1											
6.1.20.1 Perform operational check	*							-	-	-	-
6.1.20.2 Isolate/repair malfunctions	*							-	-	-	-
6.1.21 Environmental System-Fire Detection Control Panel TR: TOs 8D24-41-2, 8D24-41-8-1											
6.1.21.1 Perform operational check								-	-	-	-
6.1.21.2 Isolate/repair malfunctions								-	-	-	-
6.1.22 Engine-Thrust Rating Panel Display TR: TOs 5E6-5-6-2, 5E6-5-6-8-1											
6.1.22.1 Perform operational check								-	-	-	-
6.1.22.2 Isolate/repair malfunctions								-	-	-	-
6.1.23 Flight Control Computer TR: TOs 5A7-3-45-2, 5A7-3-45-8-1											
6.1.23.1 Perform operational check								-	-	-	-
6.1.23.2 Isolate/repair malfunctions								-	-	-	-
6.1.24 Fluid Purity Controller TR: TOs 15X23-2-2, 15X23-2-8-1											
6.1.24.1 Perform operational check								-	-	-	-
6.1.24.2 Isolate/repair malfunctions								-	-	-	-
6.1.25 Fuel Quantity Computer TR: TOs 6J3-4-122-2, 6J3-4-122-8-1											
6.1.25.1 Perform operational check								-	-	-	-
6.1.25.2 Isolate/repair malfunctions								-	-	-	-
6.1.26 Fuel System-Engine Start Control Panel TR: TOs 8D24-40-2, 8D24-40-8-1											
6.1.26.1 Perform operational check								-	-	-	-
6.1.26.2 Isolate/repair malfunctions								-	-	-	-
6.1.27 Ground Refueling Control Panel TR: TOs 8D24-36-2, 8D24-36-8-1											
6.1.27.1 Perform operational check								-	-	-	-
6.1.27.2 Isolate/repair malfunctions								-	-	-	-
6.1.28 Hydraulic System Control TR:											

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
TOs 8D27-4-2-1											
6.1.28.1 Perform operational check								-	-	-	-
6.1.28.2 Isolate/repair malfunctions								-	-	-	-
6.1.29 Hydraulic System Control Panel TR: TOs 8D24-39-2, 8D24-39-8-1											
6.1.29.1 Perform operational check								-	-	-	-
6.1.29.2 Isolate/repair malfunctions								-	-	-	-
6.1.30 Head-Up Display Unit TR: TOs 5N29-22-2, 5N29-22-8-1											
6.1.30.1 Perform operational check	*							-	-	-	-
6.1.30.2 Isolate/repair malfunctions		*						-	-	-	-
6.1.30.3 Perform CRT Adjustment	*							-	-	-	-
6.1.31 Interphone control panel (IRP) TR: TO 12R2-4-255-2											
6.1.31.1 Perform operational check								-	-	-	-
6.1.31.2 Isolate/repair malfunctions								-	-	-	-
6.1.32 Intercommunications Set Control TR: TOs 12R2-4-255-2, 12R2-4-255-8-3											
6.1.32.1 Perform operational check								-	-	-	-
6.1.32.2 Isolate/repair malfunctions								-	-	-	-
6.1.33 Liquid Quantity Indicator TR: TOs 8C21-48-2, 8C21-48-8-1											
6.1.33.1 Perform operational check								-	-	-	-
6.1.33.2 Isolate/repair malfunctions								-	-	-	-
6.1.34 Multifunction Control Panel TR: TOs 5N6-9-10-2, 5N6-9-10-8-1											
6.1.34.1 Perform operational check								-	-	-	-
6.1.34.2 Isolate/repair malfunctions								-	-	-	-
6.1.35 Manifold Failure Detection Controller TR: TOs 6J28-4-2, 6J28-4-8-1											
6.1.35.1 Perform operational check								-	-	-	-
6.1.35.2 Isolate/repair malfunctions								-	-	-	-
6.1.36 Pilots/ copilots control Grip 5F25-26-2											
6.1.36.1 Perform operational check								-	-	-	-
6.1.36.2 Isolate/repair malfunctions								-	-	-	-
6.1.37 Propulsion Data Management Computer TR: TOs 5F1-7-6-2, F1-7-6-8-1											

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
6.1.37.1 Perform operational check	*							-	-	-	-
6.1.37.2 Isolate/repair malfunctions	*							-	-	-	-
6.1.38 Spoiler Control-Electronic Flap Computer TR: TOs 5A6-3-46-2, 5A6-3-46-8-1											
6.1.38.1 Perform operational check	*							-	-	-	-
6.1.38.2 Isolate/repair malfunctions	*							-	-	-	-
6.1.39 Signal Data Converter TR: TOs 12P5-4-88-2, 12P5-4-88-8-1											
6.1.39.1 Perform operational check								-	-	-	-
6.1.39.2 Isolate/repair malfunctions								-	-	-	-
6.1.40 Sensor Signals Interface TR: TOs 5F8-21-5-2, 5F8-21-5-8-1											
6.1.40.1 Perform operational check								-	-	-	-
6.1.40.2 Isolate/repair malfunctions								-	-	-	-
6.1.41 Video Integrated Processor TR: TOs 12P5-95-8-1; 12P5-4-95-2; 33D7-42-9-5-1											
6.1.41.1 Perform operational check	*							-	-	-	-
6.1.41.2 Isolate/Repair Malfunctions	*							-	-	-	-
6.1.42 Warning and Caution Annunciator Panel TR: TOs 8D15-9-30-2, 8D15-9-30-8-1											
6.1.42.1 Perform operational check								-	-	-	-
6.1.42.2 Isolate/repair malfunctions								-	-	-	-
6.1.43 Warning and Caution Computer TR: TOs 8D15-13-11-2, 8D15-13-11-8-1											
6.1.43.1 Perform operational check	*							-	-	-	-
6.1.43.2 Isolate/repair malfunctions		*						-	-	-	-
6.2 General Support Equipment											
6.2.1 Operate Theodolite TO 49A8-20-1	*							-	-	-	-
6.2.2 Operate/maintain electrical load bank TO 35CA1-3-11-1	*							-	-	-	-
6.2.3 HUD purge set								-	-	-	-
6.2.4 Desiccator test set								-	-	-	-
6.2.5 OFPLS TR: TO 33D7-42-9-5-1											
6.2.5.1 Theory of operation								A	-	-	-
6.2.5.2 Perform OFP loading/verifying	*							-	-	-	-
6.2.5.3 Perform TAWS database	*							-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
loading/verifying											
6.2.5.4 Isolate/repair malfunctions								-	-	-	-
6.3 C-17 Specific Manual Systems											
6.3.1 Intercommunications Systems											
6.3.1.1 Public Address Amplifier TR: TO 12R2-4-301-2											
6.3.1.1.1 Perform maintenance testing								-	-	-	-
6.3.1.1.2 Alignment								-	-	-	-
6.3.1.2 Public Address Control TR: TOs 12R2-4-255-2, 12R2-4-255-8-1											
6.3.1.2.1 Perform maintenance testing	*							-	-	-	-
6.3.1.2.2 Isolate/repair malfunctions	*							-	-	-	-
6.3.1.3 Interphone Station Unit TR: TOs 12R2-4-255-2, 12R2-4-255-8-1											
6.3.1.3.1 Perform maintenance testing								-	-	-	-
6.3.1.3.2 Isolate/repair malfunctions								-	-	-	-
6.3.1.4 Headsets											
6.3.1.4.1 Perform maintenance testing								-	-	-	-
6.3.1.4.2 Isolate/repair malfunctions								-	-	-	-
6.3.2 Navigation Systems											
6.3.2.1 Color Weather Radar TR: TOs 12P6-2APS133-12, 12P6-2APS133-32, 12P6-2APS133-42											
6.3.2.1.1 RTA-1FB(M)											
6.3.2.1.1.1 Perform maintenance testing								-	-	-	-
6.3.2.1.1.2 Alignment								-	-	-	-
6.3.2.1.1.3 Isolate/repair malfunctions								-	-	-	-
6.3.2.1.2 Radar Antenna AS-3440A TR: TO 12P6-2APS133-42											
6.3.2.1.2.1 Perform maintenance testing								-	-	-	-
6.3.2.1.2.2 Alignment								-	-	-	-
6.3.2.1.3 Radar Control Box C-12034 TR: TO 12P6-2APS133-32											
6.3.2.1.3.1 Perform maintenance testing								-	-	-	-
6.3.2.1.3.2 Alignment								-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	**7 Lvl**	**Tng Start**	**Tng Complete**	**Trainee Initials**	**Trainer Initials**	**Certifier Initials**	**(1) Course**	**(1) CDC**	**(1) Course**	**(1) CDC**
6.3.2.1.3.3 Isolate/repair malfunctions								-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
7 ATTACHMENT 7 AFSOC BACKSHOP TRAINING REQUIREMENTS											
7.1 DIRECT SUPPORT EQUIPMENT SOF (COMM/NAV) OFF-EQUIPMENT MAINTENANCE											
7.1.1 Care for and handle test equipment TR: 1-1A-15, 31-1-141-14								-	-	-	-
7.2 Use/Maintain System Test Sets/Support Equipment TR: 00-20-7											
7.2.1 Document AFTO Form 244								-	-	-	-
7.2.2 Document automated forms								-	-	-	-
7.3 AN/APQ-170 TEST PROGRAM SET (TPS) TR: 33D7-44-350-1, 33D7-44- 360-1, 33D7- 44-361-1, 33E7-44-362-1											
7.3.1 Perform Operational Check											
7.3.1.1 Receiver/transmitter								-	-	-	-
7.3.1.2 Signal Processor Computer (SPC)								-	-	-	-
7.3.1.3 Signal Data Converter (SDC)								-	-	-	-
7.3.1.4 Power supply								-	-	-	-
7.3.2 Troubleshoot											
7.3.2.1 Receiver/transmitter								-	-	-	-
7.3.2.2 Signal Processor Computer (SPC)								-	-	-	-
7.3.2.3 Signal Data Converter (SDC)								-	-	-	-
7.3.2.4 Power supply								-	-	-	-
7.4 ELECTRICAL ELECTRONIC EQUIPMENT TEST STATION (EEETS) AN/APQ-170 TR: 33A -1-5-531-1, 33A1-5- 531-4											
7.4.1 Setup								-	-	-	-
7.4.2 Self Test								-	-	-	-
7.4.3 Inspect								-	-	-	-
7.4.4 Troubleshoot											
7.4.4.1 Computer Control Memory Unit (CCMU)								-	-	-	-
7.4.4.2 Signal Generator Converter (SGC)								-	-	-	-
7.4.4.3 Converter Interface (CI)								-	-	-	-
7.4.4.4 Service printer (2225HP)								-	-	-	-
7.4.5 Perform utility program operations								-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
7.4.6 Perform calibration verification								-	-	-	-
7.5 AN/APQ-180 EEETS ANCILLARY EQUIPMENT TR: 33A1-5-531-1, 33A1-5-531- 4											
7.5.1 Setup								-	-	-	-
7.5.2 Inspect								-	-	-	-
7.5.3 Troubleshoot											
7.5.3.1 Fan, vane axial								-	-	-	-
7.5.3.2 Signal data converter								-	-	-	-
7.5.3.3 Power distribution panel								-	-	-	-
7.5.3.4 Waveguide pressurization unit								-	-	-	-
7.5.3.5 Liquid cooling unit								-	-	-	-
7.5.3.6 Hydraulic power supply								-	-	-	-
7.5.3.7 Triaxial measuring system								-	-	-	-
7.6 AN/APQ-180 Test Program Set (TPS) TR: 33D-6-360-1, 33D-6-360-4, 33D-29- 103-1, 33D-29-103-4, 33D-35-70-1, 33D- 35-70-4, 33D-7-50-2191-1, 33D7-50- 2191-4											
7.6.1 Perform operational check								-	-	-	-
7.6.2 Radar Data Processor/ Radar Signal Processor (RDP/ RSP) Test Program Set (TPS)								-	-	-	-
7.6.3 Analog-Digital Converter/Receiver- Exciter (ADC/RE) TPS								-	-	-	-
7.6.4 Low Voltage Power Supply (LVPS) TPS								-	-	-	-
7.6.5 Transmitter TPS								-	-	-	-
7.6.6 Antenna TPS								-	-	-	-
7.6.7 Troubleshoot								-	-	-	-
7.6.8 Radar Data Processor/ Radar Signal Processor (RDP/ RSP) Test Program Set (TPS)								-	-	-	-
7.6.9 Analog-Digital Converter/ Receiver-Exciter (ADC/RE) TPS								-	-	-	-
7.6.10 Low Voltage Power Supply (LVPS) TPS								-	-	-	-
7.6.11 Transmitter TPS								-	-	-	-
7.6.12 Antenna TPS								-	-	-	-
7.6.13 Interphone system TPS TR:								-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
33D7-50-2157-1, 33D7-50- 157-4											
7.6.14 Perform operational check								-	-	-	-
7.6.15 Troubleshoot								-	-	-	-
7.7 RADAR SYSTEMS (SOF OFF EQUIPMENT MAINTENANCE)											
7.7.1 AN/APQ-170 Radar Using Aircraft Radar Test Station (ARATS) TR: 12P2-2APQ-170 Series											
7.7.1.1 Perform Minimum Performance Check											
7.7.1.1.2 X-band antenna								-	-	-	-
7.7.1.1.3 Ku-band antenna								-	-	-	-
7.7.1.1.4 X-RT								-	-	-	-
7.7.1.1.5 Ku-RT								-	-	-	-
7.7.1.1.6 Signal Processor Computer (SPC)								-	-	-	-
7.7.1.1.7 Signal Data Converter (SDC)								-	-	-	-
7.7.1.1.8 Power Supply (SPS)								-	-	-	-
7.7.1.2 Align											
7.7.1.2.1 X-band antenna								-	-	-	-
7.7.1.2.2 Ku-band antenna								-	-	-	-
7.7.1.2.3 X-RT								-	-	-	-
7.7.1.2.4 Ku-RT								-	-	-	-
7.7.1.2.5 Power Supply (SPS)								-	-	-	-
7.7.1.3 Repair/Troubleshoot											
7.7.1.3.1 X-band antenna								-	-	-	-
7.7.1.3.2 Ku-band antenna								-	-	-	-
7.7.1.3.3 X-RT								-	-	-	-
7.7.1.3.4 Repair Ku-RT								-	-	-	-
7.7.1.3.5 Signal Processor Computer (SPC)								-	-	-	-
7.7.1.3.6 Signal Data Converter (SDC)								-	-	-	-
7.7.1.3.7 Power Supply (SPS)								-	-	-	-
7.7.1.4 Repair and phase match X- and Ku-band waveguides using HP8510								-	-	-	-
7.7.1.5 Perform manual operation test								-	-	-	-
7.7.1.6 Perform freespace radiation test								-	-	-	-
7.7.1.7 Remove and Install											

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
7.7.1.7.1 Shop Replaceable Units (SRU)								-	-	-	-
7.7.1.7.2 Components								-	-	-	-
7.7.1.7.3 Operate peculiar test equipment								-	-	-	-
7.7.1.7.4 Inspect peculiar test equipment								-	-	-	-
7.7.1.7.5 Calibrate peculiar test equipment								-	-	-	-
7.7.2 AN/APQ-170 Radar Using Test Program Sets TR: 12P2-2APQ-170 Series											
7.7.2.1 Operate/Inspect/Calibrate								-	-	-	-
7.7.2.2 Remove/Install Shop Replaceable Units (SRU) or Components								-	-	-	-
7.7.2.3 Perform Minimum Performance Checks											
7.7.2.3.1 X-RT								-	-	-	-
7.7.2.3.2 Ku-RT								-	-	-	-
7.7.2.3.3 Signal Processor Computer (SPC)								-	-	-	-
7.7.2.3.4 Signal Data Converter (SDC)								-	-	-	-
7.7.2.3.5 Power supply								-	-	-	-
7.7.2.4 Troubleshoot											
7.7.2.4.1 X-RT								-	-	-	-
7.7.2.4.2 Ku-RT								-	-	-	-
7.7.2.4.3 Signal Processor Computer (SPC)								-	-	-	-
7.7.2.4.4 Power Supply								-	-	-	-
7.7.3 AN/APQ-180 Radar TR: 12P2-2APQ-180 Series											
7.7.3.1 Perform Minimum Performance Checks											
7.7.3.1.1 Analog/Digital Converter (ADC)								-	-	-	-
7.7.3.1.2 Radar Data Processor (RDP)								-	-	-	-
7.7.3.1.3 Radar Signal Processor (RSP)								-	-	-	-
7.7.3.1.4 Receiver/Exciter (RE)								-	-	-	-
7.7.3.1.5 Transmitter								-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
7.7.3.1.6 Low Voltage Power Supply (LVPS)								-	-	-	-
7.7.3.1.7 Antenna								-	-	-	-
7.7.3.2 Troubleshoot											
7.7.3.2.1 Analog/Digital Converter (ADC)								-	-	-	-
7.7.3.2.2 Processor (RDP)								-	-	-	-
7.7.3.2.3 Processor (RSP)								-	-	-	-
7.7.3.2.4 Exciter (RE)								-	-	-	-
7.7.3.2.5 Transmitter								-	-	-	-
7.7.3.2.6 Low Voltage Power Supply (LVPS)								-	-	-	-
7.7.3.2.7 Antenna								-	-	-	-
7.7.3.3 Remove and Install											
7.7.3.3.1 Shop Replaceable Units (SRU)								-	-	-	-
7.7.3.3.2 Components								-	-	-	-
7.7.3.4 Operate peculiar test equipment								-	-	-	-
7.7.3.5 Inspect peculiar test equipment								-	-	-	-
7.7.3.6 Calibrate peculiar test equipment								-	-	-	-
7.7.4 AN/APQ-150 RADAR TR: 12P5-2APQ-150-12											
7.7.4.1 Perform Minimum Performance Checks											
7.7.4.1.1 Control indicator								-	-	-	-
7.7.4.1.2 Receiver/transmitter								-	-	-	-
7.7.4.1.3 Signal processor								-	-	-	-
7.7.4.1.4 Set group								-	-	-	-
7.7.4.2 Align											
7.7.4.2.1 Control indicator								-	-	-	-
7.7.4.2.2 Receiver/transmitter								-	-	-	-
7.7.4.2.3 Signal processor								-	-	-	-
7.7.4.3 Troubleshoot											
7.7.4.3.1 Control indicator								-	-	-	-
7.7.4.3.2 Receiver/transmitter								-	-	-	-
7.7.4.3.3 Signal processor								-	-	-	-
7.7.4.3.4 Set group								-	-	-	-
7.7.4.4 Remove and install											
7.7.4.4.1 Shop Replaceable Units								-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
(SRU)											
7.7.4.4.2 Components								-	-	-	-
7.7.4.5 Operate peculiar test equipment								-	-	-	-
7.7.4.6 Inspect peculiar test equipment								-	-	-	-
7.7.4.7 Calibrate peculiar test equipment								-	-	-	-
7.8 COMMUNICATIONS / NAVIGATION SYSTEMS (SOF OFF-EQUIPMENT MAINTENANCE)											
7.8.1 AIC-38/40 INTERPHONE SYSTEM Using Test Program Sets (TPS) TR: 12R2-Series											
7.8.1.1 Perform Minimum Performance Check											
7.8.1.1.1 Communications Control Unit (CCU)								-	-	-	-
7.8.1.1.2 Communications Station Unit (CSU)								-	-	-	-
7.8.1.2 Troubleshoot											
7.8.1.2.1 Communications Control Unit (CCU)								-	-	-	-
7.8.1.2.2 Communications Station Unit (CSU)								-	-	-	-
7.8.1.3 Remove and Install											
7.8.1.3.1 Shop Replaceable Units (SRU)								-	-	-	-
7.8.1.3.2 Components								-	-	-	-
7.8.2 AN/ARN-151 GPS System TR: 12R5-2ARN-151-2											
7.8.2.1 Perform minimum performance checks								-	-	-	-
7.8.2.2 Remove and Install											
7.8.2.2.1 Shop Replaceable Units (SRU)								-	-	-	-
7.8.2.3 Operate peculiar test equipment								-	-	-	-
7.8.2.4 Inspect peculiar test equipment								-	-	-	-
7.8.2.5 Calibrate peculiar test equipment								-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
7.9 GENERAL COMPUTER COMPLEX (AFSOC) OFF-EQUIPMENT (Instruments/Fire Control) MAINTENANCE											
7.9.1 Mission Data Processing System TR: 33D2-8-413-8-1											
7.9.1.1 Bench check / repair load mission computer OFP using PLV or CAPRE								-	-	-	-
7.9.2 Fire Control / Data Management Center											
7.9.2.1 Bench Check											
7.9.2.1.1 Display generator unit TR: 12R5-4-235-8-1,								-	-	-	-
7.9.2.1.2 Battle management multiplexer TR: 12R5-4-236-8-1								-	-	-	-
7.9.2.2 Bench Check / Repair											
7.9.2.2.1 Electronic control unit TR: 11W1-15-16-8-1								-	-	-	-
7.9.2.2.2 Loader weapons control panels TR: 11W1-15-16-8-2, 11W2-8-33-8-1								-	-	-	-
7.9.2.2.3 Cockpit mounted multifunction display TR: 12R2-4-292-8-1								-	-	-	-
7.9.2.2.4 Horizontal situation video display TR: 12R2-4-297-8-1								-	-	-	-
7.9.2.2.5 Display generator unit TR: 12R2-4-314-8-1								-	-	-	-
7.9.2.2.6 Battle management multifunction display TR: 12S6-4-69-8-1								-	-	-	-
7.9.2.2.7 40MM Control amplifier TR: 11W2-8-33-8-1								-	-	-	-
7.9.2.2.8 105MM Control amplifier TR: 11W2-8-33-8-1								-	-	-	-
7.9.2.2.9 Control display unit TR: 5N1-5-4-8-1-WA-1, 5N1-5-4-4-WA-1								-	-	-	-
7.10 GENERAL NAVIGATION SYSTEMS (AFSOC) (OFF-EQUIPMENT MAINTENANCE)											
7.10.1 Flight Director Systems											
7.10.1.1 Bench Check											
7.10.1.1.1 Attitude Directional								-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
Indicator (ADI) TR: 5F8-3-20-13											
7.10.1.1.2 Horizontal Situation Indicator (HSI) TR: 33A1-3-147-31								-	-	-	-
7.10.1.1.3 MD-1 Vertical gyro TR: 5F1-3-2-12								-	-	-	-
7.10.2 Inertial Navigation System											
7.10.2.1 Bench Check/Repair											
7.10.2.1.1 Mission computer J-box TR: 11F8-4-19-1								-	-	-	-
7.10.2.1.2 Head-Up Display TR: 11F15-3-20-8-1								-	-	-	-
7.10.2.1.3 Pilots display unit TR: 5N5-15-5-8-1								-	-	-	-
7.10.2.1.4 SRL 9” monitor TR: 31S5-4-3275-2-WA-1								-	-	-	-
7.10.2.1.5 SRL 14” Computer monitor TR 31S5-4-3275-2-WA-1								-	-	-	-
7.11 FLIGHT INSTRUMENTS (AFSOC) (OFF- EQUIPMENT MAINTENANCE)											
7.11.1 Bench Check											
7.11.1.1 Altimeters TR: 5F3-3-19-2, 5F3-3-16-2, 5F3-3-3-3,5F3-3-8-3, 5F3-3- 3-13, 5F3-2-3-3								-	-	-	-
7.11.1.2 Vertical Velocity Indicator (VVI) TR: 5F8-9-13, 5F8-9-8-3, 5F8-9-12-3								-	-	-	-
7.11.1.3 Airspeed indicator TR: 5F8-2-25-6, 5F8-2-27-43, 5F8-2-58-3, 5F8-2-9-3, 5F8 -2-5-3								-	-	-	-
7.11.1.4 Air data computer TR: 5F5-4-46-8-1								-	-	-	-
7.12 ENGINE INDICATING SYSTEM (AFSOC) (OFF-EQUIPMENT MAINTENANCE)											
7.12.1 Bench Check											
7.12.1.1 Turbine inlet temperature indicator TR: 1C-130H-2-00GE-00-1								-	-	-	-
7.12.1.2 Tachometer indicator TR: 1C-130H-2-00GE-00-1								-	-	-	-
7.12.1.3 Tachometer generator TR: 1C-130H-2-00GE-00-1								-	-	-	-
7.12.1.4 Torque indicator TR: 1C-130H-2-00GE-00-1								-	-	-	-
7.12.1.5 Oil pressure indicator TR:								-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
1C-130H-2-00GE-00-1											
7.12.1.6 Fuel flow indicator TR: 1C-130H-2-00GE-00-1								-	-	-	-
7.12.1.7 Fuel flow power supply TR: 1C-130H-2-00GE-00-1								-	-	-	-
7.13 LIQUID QUANTITY (AFSOC) (OFF- EQUIPMENT MAINTENANCE)											
7.13.1 Bench Check											
7.13.1.1 Oil quantity indicator TR: 33A1-9-36-1								-	-	-	-
7.13.1.2 Oil quantity transmitter TR: 5L14-3-8-323								-	-	-	-
7.13.1.3 Fuel quantity summation unit TR: 5L14-5-4-3								-	-	-	-
7.14 MISCELLANEOUS SYSTEMS (AFSOC) (OFF-EQUIPMENT MAINTENANCE)											
7.14.1 Slave Switching System											
7.14.1.1 Bench check 26 VAC reference panel TR: Local checklist								-	-	-	-
7.14.2 Bench Check / Repair											
7.14.2.1 Slave switching unit TR: Local checklist								-	-	-	-
7.14.2.2 Switching unit control TR: Local checklist								-	-	-	-
7.14.2.3 Equipment power panel TR: Local checklist								-	-	-	-
7.14.2.4 Track handle TR: Local checklist								-	-	-	-
7.14.2.5 Ballistic computer TR: 11F12-14-8-8-2, 11F12-14-8-2								-	-	-	-
7.14.3 Trainable Weapons Fire Control Interface											
7.14.3.1 Bench check ready / fire panel TR: Local checklist								-	-	-	-
7.14.3.2 Boresight adjust panel TR: 1C-130(A)H-2-14								-	-	-	-
7.15 OFF-EQUIPMENT MAINTENANCE AFSOC (ELECTRONIC WARNING) TR: 00-25-234, 1-1A-15											
7.15.1 Reprogramming Support Equipment TR: Applicable System and Equipment Technical Orders/ Directives											

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
7.15.1.1 Access and download software/files from the DDS								-	-	-	-
7.15.1.2 Configure software								-	-	-	-
7.15.2 AN/AAR-44A Infrared Warning Receiver											
7.15.2.1 Perform checkout/repair on control display unit TR: TO 12P6-2AAR44-12								-	-	-	-
7.15.2.2 Perform checkout/repair on signal processor unit TR: TO 12P6-2AAR44-12								-	-	-	-
7.15.2.3 Perform checkout/repair on sensor unit TR: TO 12P6-2AAR44-12								-	-	-	-
7.15.2.4 Operate and troubleshoot charge unit TR: TO 33D2-28-19-1, Para 4-3, 5-3								-	-	-	-
7.15.2.5 Troubleshoot with unit test set TR: TO 33D7-13-102-11								-	-	-	-
7.15.3 AN/APR-46 Panoramic Receiver											
7.15.3.1 Perform LRU pre-installation check TR: TO 12P3-2APR46-2, 12P3-2APR46-2-1, para 3.6								-	-	-	-
7.15.3.2 Perform unit level test of C-115A TR: TO 12P3-2APR46-2, Para 11.4								-	-	-	-
7.15.3.3 Perform unit level test of C-125A TR: TO 12P3-2APR46-2, Para 12.4								-	-	-	-
7.15.3.4 Perform unit level test of C-135 TR: TO 12P3-2APR46-2-1, Para 7.4								-	-	-	-
7.15.3.5 Perform unit level test/alignment of TN-118A TR: TO 12P3-2APR46-2, Para 7.4, 7.5								-	-	-	-
7.15.3.6 Perform unit level test/alignment of TN-130TR: TO 12P3-2APR46-2, Para 9.4, 9.5								-	-	-	-
7.15.3.7 Perform unit level test/alignment of ES-3 TR: TO 12P3-2APR46-2, Para 7.4, 7.5								-	-	-	-
7.15.3.8 Perform unit level test/alignment of MD-127A TR: TO 12P3-2APR46-2, Para 10.4, 10.5								-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
7.15.3.9 Perform unit level test/alignment of MD-127B TR: TO 12P3-2APR46-2-1, Para 6.4, 6.5								-	-	-	-
7.15.3.10 Perform unit level test of CP-100 TR: TO 12P3-2APR46-2-1, Para 7.4								-	-	-	-
7.15.3.11 Perform unit level test of MD-100 TR: TO 12P3-2APR46-2-1, Para 9.4								-	-	-	-
7.15.3.12 Perform unit level test of Omni antenna TR: TO 12P3-2APR46-2, Para 6.3								-	-	-	-
7.15.3.13 Perform MPT of APM-474 test set TR: TO 33D7-13-224-1, Ch 5								-	-	-	-
7.15.3.14 Perform functional check of hot mockup TR: TO 12P3-2APR46-2, Para 3.4.2, 3.4.3, and 12P3-2APR46-2-1, Para 3.6								-	-	-	-
7.15.4 AN/ALQ-172 I-LEVEL MX											
7.15.4.1 Remove/Install SRU TR: TO 12P3-2ALQ172- XXX											
7.15.4.1.1 LRU-1								-	-	-	-
7.15.4.1.2 LRU-2								-	-	-	-
7.15.4.1.3 LRU-3								-	-	-	-
7.15.4.1.4 LRU-4								-	-	-	-
7.15.4.1.5 LRU-5								-	-	-	-
7.15.4.1.6 LRU-6								-	-	-	-
7.15.4.1.7 LRU-10								-	-	-	-
7.15.4.1.8 LRU-14								-	-	-	-
7.15.4.1.9 LRU-15								-	-	-	-
7.15.4.1.10 LRU-17								-	-	-	-
7.15.4.1.11 LRU-18								-	-	-	-
7.15.4.1.12 LRU-19								-	-	-	-
7.15.4.1.13 LRU-20								-	-	-	-
7.15.4.1.14 LRU-21								-	-	-	-
7.15.4.2 Enhanced Maintenance Test Station (EMTS) ALQ-172 Maintenance TR: 12P3-2ALQ-172-218-1 or -227-1 and CPINS											
7.15.4.2.1 Power up/power down								-	-	-	-
7.15.4.2.2 Configure EMTS software for Station and LRU testing								-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
7.15.4.2.3 Operate EMTS execution menu functions								-	-	-	-
7.15.4.2.4 Run RF cable calibration test program								-	-	-	-
7.15.4.2.5 Test EMTS instruments and switches (rack selftest)								-	-	-	-
7.15.4.2.6 Load ALQ-172 database into LRUs								-	-	-	-
7.15.4.3 Run Full/Abbreviated Go-Chain											
7.15.4.3.1 V1 System level								-	-	-	-
7.15.4.3.2 V3 System level								-	-	-	-
7.15.4.3.3 LRU-1								-	-	-	-
7.15.4.3.4 LRU-2								-	-	-	-
7.15.4.3.5 LRU-3								-	-	-	-
7.15.4.3.6 LRU-4								-	-	-	-
7.15.4.3.7 LRU-5								-	-	-	-
7.15.4.3.8 LRU-6								-	-	-	-
7.15.4.3.9 LRU-10								-	-	-	-
7.15.4.3.10 LRU-14								-	-	-	-
7.15.4.3.11 LRU-15								-	-	-	-
7.15.4.3.12 LRU-18								-	-	-	-
7.15.4.3.13 LRU-19								-	-	-	-
7.15.4.3.14 LRU-20								-	-	-	-
7.15.4.3.15 LRU-21								-	-	-	-
7.15.4.4 EMTS-Unique Maintenance											
7.15.4.4.1 Perform preventive maintenance								-	-	-	-
7.15.4.4.2 Verify/calibration of commercial and noncommercial test equipment								-	-	-	-
7.15.4.4.3 Remove/replace defective assemblies								-	-	-	-
7.15.4.4.4 Reconfigure/load system computer software								-	-	-	-
7.15.4.4.5 Troubleshoot test set faults								-	-	-	-
7.15.5 AN/USM-464 Flightline Test Cart											
7.15.5.1 Theory of operation								-	-	-	-
7.15.5.2 Remove/apply power TR: TO 33D7-13-85-1								-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
7.15.5.3 Perform OBIT TR: TO 33D7-13-85-1								-	-	-	-
7.15.5.4 Perform ICAL TR: TO 33D7-13-85-1								-	-	-	-
7.15.5.5 Remove/install subassemblies TR: TO 33D7-13-85-1								-	-	-	-
7.15.5.6 Perform scheduled inspections TR: TO 33D7-13-85-1								-	-	-	-
7.16 CV-22 TRAINING REQUIREMENTS											
7.16.1 CV-22 Reconfigurable Transportable Consolidated Automated Support System (RTCASS)											
7.16.1.1 RTCASS Peculiar Software System											
7.16.1.2 Application Software											
7.16.1.2.1 Computer diagnostics	*							-	-	-	-
7.16.1.2.2 Instrument Self-test (IST)	*							-	-	-	-
7.16.1.2.3 Self-Maintenance Automatic Test (SMAT)	*							-	-	-	-
7.16.1.2.4 Self-test wraparound	*							-	-	-	-
7.16.1.2.5 Calibration		*						-	-	-	-
7.16.1.2.6 LRU programs	*							-	-	-	-
7.16.1.3 Isolate Malfunctions Using:											
7.16.1.3.1 Test Operating Interface (TOI) Graphic User Interface (GUI)											
7.16.1.3.1.1 Instrument Self-Test (IST) Tab											
7.16.1.3.1.1.1 Self-test	*							-	-	-	-
7.16.1.3.1.1.2 Alignment	*							-	-	-	-
7.16.1.3.1.2 Health Monitor (GUI)											
7.16.1.3.1.2.1 Temperature screen								-	-	-	-
7.16.1.3.1.2.2 Voltage screen								-	-	-	-
7.16.1.3.1.3 VXI Fans screen								-	-	-	-
7.16.1.3.1.4 Maintenance screen								-	-	-	-
7.16.1.3.1.5 Interrupts screen								-	-	-	-
7.16.1.3.1.6 Device status screen								-	-	-	-
7.16.1.3.1.7 Station Tab											
7.16.1.3.1.7.1 Runtime Totalizer (RTT)		*						-	-	-	-
7.16.1.3.1.7.2 Assets screen	*							-	-	-	-
7.16.1.3.1.7.3 Debug screen								-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
7.16.1.4 RTCASS Functional Test											
7.16.1.4.1 Perform Online Analysis											
7.16.1.4.1.1 Instrument Self-test (IST)	*							-	-	-	-
7.16.1.4.1.2 Self-Maintenance Automatic Test (SMAT)	*							-	-	-	-
7.16.1.4.1.3 Self test wraparound	*							-	-	-	-
7.16.1.4.1.4 Calibration using PATEC		*						-	-	-	-
7.16.1.4.1.5 Computer diagnostics								-	-	-	-
7.16.1.5 RTCASS Isolate/Repair Malfunctions											
7.16.1.5.1 Self test ITA/ID								-	-	-	-
7.16.1.5.2 SMAT ID								-	-	-	-
7.16.1.5.3 SMAT/CAL ID								-	-	-	-
7.16.1.5.4 LRU ITAs/IDs TR: Applicable maintenance manuals								-	-	-	-
7.16.1.5.5 Test Replaceable Units											
7.16.1.5.5.1 Operator Interface Module (1B1)								-	-	-	-
7.16.1.5.5.2 Fan assembly (1B2)								-	-	-	-
7.16.1.5.5.3 Power distribution unit (1B3)								-	-	-	-
7.16.1.5.5.4 Electromagnetic Interface (EMI) (1B4)								-	-	-	-
7.16.1.5.5.5 RF Measurement Interface Unit (RFIU) (2B3)								-	-	-	-
7.16.1.5.5.6 Ancillary Panel Assembly (AIP) (2B4)								-	-	-	-
7.16.1.5.5.7 General purpose interface (1A2)								-	-	-	-
7.16.1.5.5.8 RF synthesizer (2A3A1, 2A3A2, and 2A5A1)								-	-	-	-
7.16.1.5.5.9 Communication panel (2A3A3)								-	-	-	-
7.16.1.5.5.10 135 VAC power supply (2A5PS1 thru 2A5PS3)								-	-	-	-
7.16.1.5.5.11 Low frequency calibrator (2A6A1)								-	-	-	-
7.16.1.5.5.12 General purpose interface (1A2)								-	-	-	-
7.16.1.5.5.13 Printer								-	-	-	-
7.16.1.5.6 Digital Test Unit (1A1)											
7.16.1.5.6.1 VXI-Multisystem								-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
Extension Interface (MXI) controller module(1A1A0)											
7.16.1.5.6.2 M927 Series channel card (1A1A3 Thru 1A1A9)								-	-	-	-
7.16.1.5.6.3 M918 Digital (CRB) Central Resource Board (1A1A10)								-	-	-	-
7.16.1.5.6.4 Front mount power supply (1A1PS1 and 1A1PS2)								-	-	-	-
7.16.1.5.7 Analog Test Instruments (1A3)											
7.16.1.5.7.1 VXI-Multisystem Extension Interface (MXI) controller module (1A3A0)								-	-	-	-
7.16.1.5.7.2 Ai 710 32-Channel (1A3A1, A2, A3)								-	-	-	-
7.16.1.5.7.3 SMP 1100 Carrier power switch (1A3A4)								-	-	-	-
7.16.1.5.7.4 SMP 1200 Carrier RF and power switch (1A3A5)								-	-	-	-
7.16.1.5.7.5 SMP 7600 5 Watt Resistive Load (LWPL) (1A3A5M5)								-	-	-	-
7.16.1.5.7.6 SMP 2011 12 Power switch (SPDT Switches) (1A3A5M4 and M3)								-	-	-	-
7.16.1.5.7.7 SMP 1200 Carrier LF and RF switch (1A3A7)								-	-	-	-
7.16.1.5.7.8 SMP 6101 (1 x 4 Coaxial Trees) (1A3A7M2 and M5)								-	-	-	-
7.16.1.5.7.9 SMP 5002 50 Ch LF switch (SPDT Switches) (1A3A7M1 and M0)								-	-	-	-
7.16.1.5.7.10 SMP 5003 26 Ch LF switch (SP4T Switches) (1A3A7M4 and M3)								-	-	-	-
7.16.1.5.7.11 Digitizer/digital o-scope (1A3A9)								-	-	-	-
7.16.1.5.8 DC Power Supply (1A4 and 1A5)											
7.16.1.5.8.1 32 VDC Power supply (1A4PS1 thru 1A4PS5 and 1A5PS1 thru 1A5PS3)								-	-	-	-
7.16.1.5.8.2 100 VDC power supply (1A5PS4)								-	-	-	-
7.16.1.5.8.3 Active load (1A4A1)								-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
7.16.1.5.8.4 450 VDC power supply (1A5PS5 and 1A5PS6)								-	-	-	-
7.16.1.5.9 LF Instrument Unit (2A1)											
7.16.1.5.9.1 VXI-Multisystem Extension Interface (MXI) controller module (2A1A0)								-	-	-	-
7.16.1.5.9.2 Digital Multimeter (2A1A1)								-	-	-	-
7.16.1.5.9.3 Frequency timer interval counter (2A1A2)								-	-	-	-
7.16.1.5.9.4 Synchro/resolver (2A1A3)								-	-	-	-
7.16.1.5.9.5 Racal 3156B Arbitrary Waveform Generator (AWFG) (2A1A4)								-	-	-	-
7.16.1.5.9.6 Bi-410 Bus Test Instrument (BTI) (2A1A5)								-	-	-	-
7.16.1.5.9.7 Pulse Generator (PGEN) (2A1A10)								-	-	-	-
7.16.1.5.9.8 Timing Generator (TGEN) (2A1A11)								-	-	-	-
7.16.1.5.9.9 Rubidium reference module (2A1A12)								-	-	-	-
7.16.1.5.10 PS/2 Computer (2A2A1)											
7.16.1.5.10.1 Environmental monitor CCA (2A2A1A1)								-	-	-	-
7.16.1.5.10.2 Central processor unit CCA (2A2A1A3)								-	-	-	-
7.16.1.5.10.3 IEEE-488 CCA (2A2A1A5 thru 2A2A1A7)								-	-	-	-
7.16.1.5.10.4 Video Pattern Generator (VPG) CCA (2A2A1A9)								-	-	-	-
7.16.1.5.10.5 Ethernet (RJ-45) communication bus (2A2A1A11 and 2A2A1A12)								-	-	-	-
7.16.1.5.10.6 Relay driver CCA (2A2A1A13)								-	-	-	-
7.16.1.5.11 RF Measurement Unit (2A4)											
7.16.1.5.11.1 Spectrum analyzer (2A4A1)								-	-	-	-
7.16.1.5.11.2 RF power meter (2A4A2)								-	-	-	-
7.16.1.5.12 AC Power Supply											

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
7.16.1.5.12.1 135 VAC power supply (2A5PS1 thru 2A5PS3)								-	-	-	-
7.16.1.6 LRU Maintenance											
7.16.1.6.1 Flight Control Computer (FCC)											
7.16.1.6.1.1 Operational check	*							-	-	-	-
7.16.1.6.1.2 Isolate/repair malfunctions	*							-	-	-	-
7.16.1.6.2 Standby Flight Display (SFD)											
7.16.1.6.2.1 Operational check								-	-	-	-
7.16.1.6.2.2 Isolate/repair malfunctions								-	-	-	-
7.16.1.6.3 Control Display Unit (CDU)											
7.16.1.6.3.1 Operational check	*							-	-	-	-
7.16.1.6.3.2 Isolate/repair malfunctions	*							-	-	-	-
7.16.1.6.4 Flight Director Mode Select (FDP)											
7.16.1.6.4.1 Operation check	*							-	-	-	-
7.16.1.6.4.2 Isolate/repair malfunctions	*							-	-	-	-
7.16.1.6.5 CDU Keyboard Unit (KU)											
7.16.1.6.5.1 Operational check								-	-	-	-
7.16.1.6.5.2 Isolate/repair malfunctions								-	-	-	-
7.16.1.6.6 Landing Gear Control Unit (LGCU)											
7.16.1.6.6.1 Operational check	*							-	-	-	-
7.16.1.6.6.2 Isolate/repair malfunctions	*							-	-	-	-
7.16.1.6.7 Regulated Converter (RC)											
7.16.1.6.7.1 Operational check								-	-	-	-
7.16.1.6.7.2 Isolate/repair malfunctions								-	-	-	-
7.16.1.6.8 Advanced Mission computer (AMC)											
7.16.1.6.8.1 Operational check								-	-	-	-
7.16.1.6.8.2 Isolate/repair malfunctions								-	-	-	-
7.16.1.6.9 Air Data Unit (ADU)											
7.16.1.6.9.1 Operational check								-	-	-	-
7.16.1.6.9.2 Isolate/repair								-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
malfunctions											
7.16.1.6.10 Environmental Control System (ECSC)											
7.16.1.6.10.1 Operational check	*							-	-	-	-
7.16.1.6.10.2 Isolate/repair malfunctions	*							-	-	-	-
7.16.1.6.11 Light Weight Inertial Navigation System (LWINS)											
7.16.1.6.11.1 Operational check	*							-	-	-	-
7.16.1.6.11.2 Isolate/repair Malfunctions	*							-	-	-	-
7.16.1.6.12 Cockpit Interface Unit (CIU)											
7.16.1.6.12.1 Operational check								-	-	-	-
7.16.1.6.12.2 Isolate/repair malfunctions								-	-	-	-
7.16.1.6.13 Avionic Bay Interface Unit (ABIU)											
7.16.1.6.13.1 Operational check								-	-	-	-
7.16.1.6.13.2 Isolate/repair malfunctions								-	-	-	-
7.16.1.6.14 Wing Interface Unit (WIU)											
7.16.1.6.14.1 Operational check	*							-	-	-	-
7.16.1.6.14.2 Isolate/repair malfunctions	*							-	-	-	-
7.16.1.6.15 Fuel Management Unit (FMU)											
7.16.1.6.15.1 Operational check	*							-	-	-	-
7.16.1.6.15.2 Isolate/repair malfunctions	*							-	-	-	-
7.16.1.6.16 Drive System Interface Unit (DSIU)											
7.16.1.6.16.1 Operational check	*							-	-	-	-
7.16.1.6.16.2 Isolate/repair malfunctions	*							-	-	-	-
7.16.1.6.17 Vibration/Structural Life and Engine Diagnostics (VSLED)											
7.16.1.6.17.1 Operation check								-	-	-	-
7.16.1.6.17.2 Isolate/repair malfunctions								-	-	-	-
7.16.1.6.18 Wing Fire Protection Controller (WFPC)											

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
7.16.1.6.18.1 Operation check								-	-	-	-
7.16.1.6.18.2 Isolate/repair malfunctions								-	-	-	-
7.16.1.6.19 Blade Fold Control Unit (BFCU)											
7.16.1.6.19.1 Operational check								-	-	-	-
7.16.1.6.19.2 Isolate/repair malfunctions								-	-	-	-
7.16.1.6.20 Communication Switching Unit (CSU)											
7.16.1.6.20.1 Operational check								-	-	-	-
7.16.1.6.20.2 Isolate/repair malfunctions								-	-	-	-
7.16.1.6.21 Intercommunications Set Control (ISC)											
7.16.1.6.21.1 Operational check	*							-	-	-	-
7.16.1.6.21.2 Isolate/repair malfunctions	*							-	-	-	-
7.16.1.6.22 Remote Frequency Indicator Select (RFIS)											
7.16.1.6.22.1 Operation check								-	-	-	-
7.16.1.6.22.2 Isolate/repair malfunctions								-	-	-	-
7.16.1.6.23 Primary Lighting Control Unit (PLCU)											
7.16.1.6.23.1 Operational check	*							-	-	-	-
7.16.1.6.23.2 Isolate/repair malfunctions	*							-	-	-	-
7.16.1.6.24 Secondary Lighting Control Unit (SLCU)											
7.16.1.6.24.1 Operational check	*							-	-	-	-
7.16.1.6.24.2 Isolate/repair malfunctions	*							-	-	-	-
7.16.1.6.25 Forward Cabin Control Station (FCCS)											
7.16.1.6.25.1 Operational check								-	-	-	-
7.16.1.6.25.2 Isolate/repair malfunctions								-	-	-	-
7.16.1.6.26 Active Vibration Suppression System (AVSS)											
7.16.1.6.26.1 Operational check								-	-	-	-
7.16.1.6.26.2 Isolate/repair malfunctions								-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
7.16.1.6.27 Master Ice Protection Control Unit (MIPCU)											
7.16.1.6.27.1 Operational check	*							-	-	-	-
7.16.1.6.27.2 Isolate/repair malfunctions	*							-	-	-	-
7.16.1.6.28 Ground Refuel/De-fuel Panel (GRDP)											
7.16.1.6.28.1 Operational check								-	-	-	-
7.16.1.6.28.2 Isolate/repair malfunctions								-	-	-	-
7.16.1.6.29 Dual Digital Map System (DDM)											
7.16.1.6.29.1 Operational check								-	-	-	-
7.16.1.6.29.2 Isolate/repair malfunctions								-	-	-	-
7.16.1.6.30 Multifunction Display (MFD)											
7.16.1.6.30.1 Operational check								-	-	-	-
7.16.1.6.30.2 Isolate/repair malfunctions								-	-	-	-
7.16.1.6.31 Display Electronics Unit II (DEU II)											
7.16.1.6.31.1 Operational check								-	-	-	-
7.16.1.6.31.2 Isolate/repair malfunctions								-	-	-	-
7.16.1.6.32 Central De-ice Distributor (CDD)											
7.16.1.6.32.1 Operational check								-	-	-	-
7.16.1.6.32.2 Isolate/repair malfunctions								-	-	-	-
7.16.1.6.33 Nacelle Ice Protection Control Unit (NIPCU)											
7.16.1.6.33.1 Operational check	*							-	-	-	-
7.16.1.6.33.2 Isolate/repair malfunctions	*							-	-	-	-
7.16.1.6.34 Nacelle Interface Unit (NIU)											
7.16.1.6.34.1 Operational check	*							-	-	-	-
7.16.1.6.34.2 Isolate/repair malfunctions	*							-	-	-	-
7.16.1.6.35 Auxiliary Power Unit/Electronic Control Unit (APU/ECU)											

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
7.16.1.6.35.1 Operational check								-	-	-	-
7.16.1.6.35.2 Isolate/repair malfunctions								-	-	-	-
7.16.1.6.36 Ice Detection Control Unit (IDCU)											
7.16.1.6.36.1 Operational check								-	-	-	-
7.16.1.6.36.2 Isolate/repair malfunctions								-	-	-	-
7.16.1.7 Miscellaneous Tasks											
7.16.1.7.1 Software Updates											
7.16.1.7.1.1 Test station software update								-	-	-	-
7.16.1.7.1.2 Test Program Set (TPS) software update								-	-	-	-
7.16.1.7.1.3 Station archive (RTT and Cal Files)	*							-	-	-	-
7.16.1.7.1.4 Restore (RTT and Cal Files)		*						-	-	-	-
7.16.1.7.2 Memory Loader/Verifier Set (AN/USQ131B)											
7.16.1.7.2.1 Operation and use	*							-	-	-	-
7.16.1.7.3 TTU-405 Air Data Test Set											
7.16.1.7.3.1 Operation and use								-	-	-	-
7.16.1.7.4 Calibration Cart/PATEC											
7.16.1.7.4.1 Operation and use		*						-	-	-	-
7.16.1.7.5 IETMS											
7.16.1.7.5.1 Operation and use								-	-	-	-
7.16.1.7.6 Facility Ground Test											
7.16.1.7.6.1 Operation and use								-	-	-	-
7.16.1.7.7 400 Hz Convertor											
7.16.1.7.7.1 Operation and use								-	-	-	-
7.16.1.7.8 Mobile Maintenance Facilities (MMF)											
7.16.1.7.8.1 Operational check								-	-	-	-
7.16.1.7.8.2 Isolate/repair malfunctions								-	-	-	-

AVIONICS FUNDAMENTALS TRAINING REQUIREMENTS

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
8 ATTACHMENT 8 AVIONIC FUNDAMENTALS											
8.1 AVIONIC SUPPORT SUBJECTS											
8.1.1 Safety								B	-	-	-
8.1.2 First aid								A	-	-	-
8.1.3 Electrostatic Discharge (ESD) control								B	-	-	-
8.1.4 Electromagnetic Effects (EMP / EMI)								B	-	-	-
8.1.5 Metric Notation											
8.1.5.1 Powers of ten								B	-	-	-
8.1.5.2 Electrical prefixes								B	-	-	-
8.1.6 Digital numbering systems								A	-	-	-
8.1.7 Common tools								A	-	-	-
8.1.8 Technical publications								A	-	-	-
8.1.9 Documentation								A	-	-	-
8.2 Test Equipment											
8.2.1 Use digital Multimeter								2b	-	-	-
8.2.2 Use oscilloscope								2b	-	-	-
8.2.3 Wave generators								A	-	-	-
8.3 Basic Electricity											
8.3.1 Direct Current (DC)								B	-	-	-
8.3.2 Alternating Current (AC)								B	-	-	-
8.3.3 Resistance theory								B	-	-	-
8.3.4 Measure resistance								2b	-	-	-
8.3.5 Capacitance theory								B	-	-	-
8.3.6 Inductance theory								B	-	-	-
8.4 Electromagnetic Devices											
8.4.1 Transformers								B	-	-	-
8.4.2 Relays And Solenoids											
8.4.2.1 Theory								B	-	-	-
8.4.2.2 Troubleshoot relays								2b	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
8.4.3 Motor Theory											
8.4.3.1 DC								A	-	-	-
8.4.3.2 AC								A	-	-	-
8.4.4 Generator Theory											
8.4.4.1 DC								A	-	-	-
8.4.4.2 AV								A	-	-	-
8.4.5 Synchro/servo								B	-	-	-
8.4.6 Transducer								B	-	-	-
8.5 Solid State Devices											
8.5.1 Theory								A	-	-	-
8.5.2 Diodes (LED, Zener, etc)								A	-	-	-
8.5.3 Integrated Circuits (IC)								A	-	-	-
8.5.4 Operational amplifiers								A	-	-	-
8.6 Power Supply Circuits											
8.6.1 Theory								B	-	-	-
8.7 Wave Generating Circuits											
8.7.1 Theory								A	-	-	-
8.8 Digital Logic Circuits											
8.8.1 Theory								A	-	-	-
8.8.2 Gates								A	-	-	-
8.8.3 Flip flops								A	-	-	-
8.8.4 Digital to analog and analog to digital converters								A	-	-	-
8.9 Basic Computer & Network Fundamentals											
8.9.1 Theory								A	-	-	-
8.9.2 Network components								A	-	-	-
8.9.3 Protocols								A	-	-	-
8.9.4 Topologies (architecture)								A	-	-	-
8.10 Basic Communications											
8.10.1 Radio frequency theory								A	-	-	-
8.10.2 Frequency spectrum								A	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
8.10.3 Modulation (AM/FM)								A	-	-	-
8.10.4 Demodulation (AM/FM)								A	-	-	-
8.10.5 Receivers/transmitters TM: AFI 38-101 / AFPD 38-1								A	-	-	-
8.10.6 Transmission mediums theory								A	-	-	-
8.10.7 Waveguides								A	-	-	-
8.10.8 Data buses								A	-	-	-
8.10.9 Fiber optics								A	-	-	-
8.10.10 Coaxial cables								A	-	-	-
8.10.11 Antennas								A	-	-	-
8.11 Assemble Solder Type Connections											
8.11.1 Terminal connections								1b	-	-	-
8.11.2 Mutipin connector								1b	-	-	-
8.11.3 Coaxial connector								1b	-	-	-
8.11.4 Desolder procedures								1b	-	-	-
8.12 Assemble Solderless Type Connections											
8.12.1 Coaxial connector								1b	-	-	-
8.12.2 Multipin connector								1b	-	-	-
8.12.3 Twin-axial connector (data bus)								1b	-	-	-
8.12.4 Crimped connection											
8.12.4.1 Terminal lugs								1b	-	-	-
8.12.4.2 Wire splice								1b	-	-	-
8.12.5 Shield terminations								1b	-	-	-
8.13 General Maintenance Practices											
8.13.1 Assemble multipin connector harness								1b	-	-	-
8.13.2 Secure cable harness								1b	-	-	-
8.13.3 Use safety wire								1b	-	-	-
8.13.4 Troubleshooting Procedures											
8.13.4.1 Isolate wire open								1b	-	-	-

AVIONICS FUNDAMENTALS TRAINING REQUIREMENTS

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(1) CDC
8.13.4.2 Isolate wire short								1b	-	-	-
8.13.4.3 Isolate voltage fault on multipin connector harness AFI 21-101								1b	-	-	-
8.13.4.4 Isolate crossed connection on multipin connector harness								1b	-	-	-

	4. Proficiency Codes Used To Indicate Training/Information Provided			
1. Tasks Knowledge And Technical References	A 3-Skill Level	B 5-Skill Level	C 7-Skill Level	
	Course	CDC	Course	CDC
Attachment 9 – AEROSPACE MAINTENANCE CRAFTSMAN TRAINING REQUIREMENTS NOTE 1: Columns 2 and 3 are deleted from this STS because all items are SUBJECT KNOWLEDGE LEVEL only and require no certification. NOTE 2: Users are responsible for annotating training references to identify current references pending STS revision. NOTE 3: This attachment is to be used in conjunction with other attachments in applicable CFETPs. NOTE 4: Personnel must complete CDC requirements on all MDSs/attachments. NOTE 5: This attachment is to be used as a correlation document for the 2AX7X, 7-level Aerospace Maintenance Craftsman, CDCs.				
9.1. MAINTENANCE PHILOSOPHY AND POLICY				
9.1.1. Aircraft and Equipment Readiness TR: AFI 21-101				A
9.1.2. Maintenance Concept TR: AFI 21-101 and AFI 21-129				A
9.1.3. Reliability and Maintainability (R&M) TR: AFI 21-101, AFI 21-118 and TO 00-35D-54				A
9.1.4. Operating Instructions (OI) TR: AFI 21-101 and AFI 33-360				A
9.1.5. Maintenance Information Systems (MIS) TR: AFCSM 21-556 Volume 2, AFI 21-101, AFI 21-116, and TO 00-20-2				B
9.1.6. Maintenance Metrics TR: AFI 21-103 and AFTTP 3-3				A
9.1.7. Maintenance Repair Priorities TR: AFI 21-101				A
9.1.8. Historical Aircraft and Equipment Records TR: AFI 21-101 and TO 00-20-1				A
9.2. MAINTENANCE ORGANIZATION KEY LEADER RESPONSIBILITIES				
9.2.1. Wing Commander (WG/CC) TR: AFI 21-101 and AFI 38-101				A
9.2.2. Wing Vice Commander (WG/CV) TR: AFI 21-101 and AFI 38-101				A
9.2.3. Maintenance Group Commander (MXG/CC) TR: AFI 21-101 and AFI 38-101				A
9.2.4. Maintenance Group Deputy Commander (MXG/CD) TR: AFI 21-101				A
9.2.5. MXG Superintendent (SUPT) TR: AFI 21-101				A
9.2.6. Squadron Commander (SQ/CC) TR: AFI 21-101				A
9.2.7. Maintenance Operations Officer (MOO)/Maintenance Superintendent (MX SUPT) TR: AFI 21-101				A
9.2.8. Flight Commander/Flight Chief TR: AFI 21-101				A
9.2.9. AMU OIC/Superintendent (SUPT) TR: AFI 21-101				A
9.2.10. Section NCOIC/Chief TR: AFI 21-101				B
9.2.11. Production Superintendent (Pro Super) TR: AFI 21-101				A
9.3. FUNCTIONS OF MAINTENANCE OPERATIONS SQUADRON (MOS)				
9.3.1. Maintenance Operations Flight (MOF) TR: AFI 21-101				A
9.3.2. Maintenance Training Flight (MTF) TR: AFI 21-101 and AFI 36-2232				A
9.3.3. Programs and Resources Flight TR: AFI 21-101				A

	4. Proficiency Codes Used To Indicate Training/Information Provided			
1. Tasks Knowledge And Technical References	A 3-Skill Level	B 5-Skill Level	C 7-Skill Level	
	Course	CDC	Course	CDC
9.4. FUNCTIONS OF AIRCRAFT/HELICOPTER MAINTENANCE SQUADRON (AMXS/HMXS)				
9.4.1. Aircraft Maintenance Unit (AMU) TR: AFI 21-101				A
9.4.2. Flightline Expediter TR: AFI 21-101				A
9.4.3. Aircrew and Maintenance Debrief Section TR: AFI 21-101				A
9.4.4. Aircraft Section TR: AFI 21-101				A
9.4.5. Specialist Section TR: AFI 21-101				A
9.4.6. Weapons Section TR: AFI 21-101				A
9.4.7. Support Section TR: AFI 21-101				A
9.5. FUNCTIONS OF MAINTENANCE SQUADRON (MXS)				
9.5.1. Accessories Flight TR: AFI 21-101				A
9.5.2. Aerospace Ground Equipment (AGE) Flight TR: AFI 21-101				A
9.5.3. Armament Flight TR: AFI 21-101				A
9.5.4. Avionic Flight TR: AFI 21-101				A
9.5.5. Fabrication Flight TR: AFI 21-101				A
9.5.6. Maintenance Flight TR: AFI 21-101				A
9.5.7. Munitions Flight TR: AFI 21-101				A
9.5.8. Propulsion Flight TR: AFI 21-101				A
9.5.9. Test, Measurement, and Diagnostic Equipment (TMDE) Flight TR: AFI 21-101				A
9.6. MAINTENANCE TRAINING				
9.6.1 Types of Training TR: AFI 36-2232 and the ETCA site located at https://etca.randolph.af.mil/				A
9.6.2. Training Documentation TR: AFI 21-101, AFI 36-2201 and AFI 36-2232				A
9.6.3. Training Business Area (TBA) TR: https://www.my.af.mil/imdsltpa/IMDSTWeb/ActionServlet				B
9.6.4. Special Certification Rosters TR: AFI 21-101				A
9.6.5. Maintenance Qualification Program (MQP) TR: AFI 21-101, AFI 36-2232 and AFPD 10-9				A
9.6.6. Training Management TR: AFI 36-2201, AFI 36-2232, AFI 21-101 and AETCI 36-2601				
9.6.6.1. Training Forecast				A
9.6.6.2. Training Request				A