

AFSC 2A2X1X

SPECIAL OPERATIONS FORCES/PERSONNEL RECOVERY (SOF/PR) INTEGRATED COMMUNICATION/ NAVIGATION/ MISSION SYSTEMS



CAREER FIELD EDUCATION AND TRAINING PLAN

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AFSC 2A2X1X**

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**SOF/PR INTEGRATED COMMUNICATION/ NAVIGATION/ MISSION SYSTEMS
CAREER FIELD EDUCATION AND TRAINING PLAN
AFSC 2A2X1X**

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 2A2X1X, SOF/PR Integrated Communication/Navigation/Mission Systems specialty. The CFETP will provide personnel a clear career path to success and instills rigor in all aspects of career field training.

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

2. 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, experience, 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 identifies the Specialty Training Standard (STS) and includes duties, tasks, and technical references to support training. Air Education and Training Command (AETC) conducted training, core task and correspondence course requirements. Section B provides an explanation of AETC 3-Level Course Training. Section C identifies available proficiency training support materials. Section D 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. Section E 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.

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 tasks of AFJQS are common to all persons serving in the described duty position.

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

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

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, to eliminate duplication, and to 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 the AFCFM identify as minimum qualification requirements for everyone within an AFSC, regardless of duty position.

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 training (technical school) and informal training (on-the-job) 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 not.

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 to 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 workcenter that identifies all tasks performed in a workcenter. This includes core, critical position qualification and wartime tasks. This document can be automated.

Master Training Plan (MTP): A comprehensive workcenter 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 analysis of tasks performed within a particular AFSC.

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.

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.

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 publication 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, and exportable courses.

Standard: An exact value, a physical entity, or abstract concept, established and defined by authority, custom, or common consent, to serve as a reference, model, or rule in measuring quantities or qualities. Standards are used to establish practices or procedures and to evaluate results.

Supplemental Training: Formal, standardized training within an AFSC 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 Detachment (TD): An AETC detachment that provides maintenance oriented technical training, at an operational location, on specific systems and their aerospace ground equipment. A TD aims to qualify personnel on new equipment or in new techniques and procedures, maintain proficiency and 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, co-chaired by the AF Career Field Manager and Training Pipeline Manager consisting of MAJCOM Air Force Specialty Code (AFSC) functional managers, Subject Matter Experts (SMEs), and AETC training personnel that determine career ladder training requirements.

PART I

Section A - GENERAL INFORMATION

1. Purpose of the CFETP. 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 AFSC 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 or revise formal resident, non-resident, field, 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 resources needed to provide the identified training.

2.2. MFMs will ensure their training programs complement the CFETP mandatory initial, upgrade, and proficiency requirements. Identified requirements can be satisfied by OJT, resident training, contract training, or exportable courseware/courses. 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. Also, the AFCFM will initiate an annual review of this document to ensure currency and accuracy. MFMs and AETC training personnel will identify and coordinate career field training requirements.

Section B - CAREER FIELD PROGRESSION AND INFORMATION

4. Specialty Descriptions.

4.1. Specialty Shreds: Only the CV-22 is shredded. All other aircraft in this AFSC are shredless.

A.....CV-22

4.2. Specialty Summary. Analyzes malfunctions, inspects, removes, maintains, and installs integrated avionics systems. Performs and supervises avionics maintenance and general aircraft servicing and handling. Related DoD Occupational Subgroup: 119800.

4.2.1. Duties and Responsibilities.

4.2.1.1. SOF/PR Integrated Communication/Navigation/Mission Systems Apprentice and Journeyman. Operates and maintains communication/navigation/mission systems on SOF/PR C-130 variants, HH-60s, EC-130 Commando Solo, EC-130 Compass Call, WC-130s and CV-22s. Additionally, operates and maintains instrument and flight control systems on CV-22s. Analyzes equipment operating characteristics to isolate malfunctions in avionics systems, radar, integrated test systems built-in-test (BIT), multiplexed data bus systems, personnel locator systems, recording systems, fire control systems, video display systems, flight instruments, mission computer systems, electro-optical viewing systems (EVS), inertial navigation systems (INS), global positioning system, primary and secondary flight controls (CV-22), automatic flight control (CV-22), engine instrumentation (CV-22), fuel management systems (CV-22), central air data systems (CV-22), sensors, communication, and navigation systems, transponders, aircraft indicating systems, meteorological systems, situational awareness systems, laser designators, and interrogator systems. Removes, installs, checks, and repairs avionics systems and line replaceable units (LRU). Diagnoses malfunctions using technical orders, schematics, wiring diagrams, integrated test systems and other test equipment. Removes, replaces, and repairs faulty system wiring, electrical connectors, antennas, transmission lines, and multiconductor cables. Modifies avionics systems according to technical publications. Updates operational logs, inspection records, aircraft forms, and automated maintenance systems. Performs and supervises alignment, calibration, and boresight of avionics systems. Uploads ground maintenance and operational software. Performs off-equipment maintenance on selected avionics LRUs and maintains peculiar support equipment (SE).

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. The apprentice will enter UGT using the CDC, and QT to progress in the career field. Minimum training times will be a total of 12 months for normal UGT and 9 months for retrainees. 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 are the primary trainers of those trainees working toward advancement to the 5- and 7-skill levels. They can also be assigned to work in staff positions. Craftsmen should take courses to obtain added knowledge on management of resources and personnel. Minimum training times for UGT to the craftsman 7-skill level will be a total of 12 months for normal UGT and 6 months for retrainees. Continued academic education through CCAF and higher degree programs is encouraged. In addition, when promoted to TSgt, individuals will complete the Noncommissioned Officer Academy and MSgt selects are highly encouraged to complete the Senior NCO Academy by correspondence.

5.4. Superintendent (9-level). Before attaining the 9-skill level, individuals must be SMSgt. A 9-skill level is 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 SOF/PR Integrated Communication/ Navigation/ Mission Systems Career Field. The spectrum includes a strategy for when, where, and how to meet these training requirements. The strategy must be apparent and affordable to reduce duplication of training and eliminate a disjointed approach to training. Refer to paragraph 10 of this document for a complete list of specialty qualification requirements.

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. The CIC Program replaced the CCAF Occupational Instructor Certification (OIC) Program, which officially closed on 1 January 2011.

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 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). Credits earned through technical courses taken from AETC, including technical training and Field Training Detachment (FTD) classes.

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). Applicable courses must meet the criteria for application of courses to the General Education Requirements (GER) and be in agreement with the definitions of applicable General Education subjects/courses as provided in the *CCAF General Catalog*.

7.2.5. Program Elective (15 Semester Hours). Satisfied with applicable Technical Education; Leadership, Management, and Military Studies; or General Education subjects and courses, including natural science courses meeting GER 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. 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. Career Field Path.

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

Table 8.1 Enlisted Career Path				
	Grade Requirements			
Education and Training 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 (Active Duty Only).				
Upgrade To Superintendent (9-Skill Level) - Minimum rank of SMSgt.	SMSgt	21 years	11 years	26 Years
Chief Leadership Course - CMSgt or CMSgt selectee	CMSgt	24 years	14 years	30 Years

Section C - SKILL LEVEL TRAINING REQUIREMENTS

9. Purpose. Skill level training requirements in this specialty are defined in terms of tasks and knowledge requirements. This section outlines the specialty qualification requirements for each skill level in broad, general terms and establishes the mandatory requirements for entry, award, and retention of each skill level. The specific tasks and knowledge training requirements are identified in the STS, Part II, Section A and B of this CFETP.

10. Specialty qualifications for SOF/PR Integrated Communication/Navigation/Mission Systems apprentice, journeyman, craftsman, and superintendent (ref. most current AFECD found on the AFPC website:

<https://gum-crm.csd.disa.mil/app/answers/list/page/1/st/5/kw/classifications/p/8%2C10/search/1>).

10.1. Knowledge. Knowledge is mandatory of: interpreting and applying mechanical, wiring, and electronic circuit diagrams; electronic, micro-processor, data bus, and mechanical principles theory and application; theory of flight; gyros, synchros, indicators, memory storage devices, antennas, servomechanisms, electromechanical, electro-hydraulic, and electro-optical devices; radar, radio frequency communication, surveillance radar and interrogator systems, pulse Doppler radar theory, dependent navigation aids, inertial and radar navigation; lasers, infrared/ultraviolet receivers; optics, instruments, multiplexing, fire control, video display, and digital computer systems working principles; subsystem tie-in between integrated avionics systems; using and interpreting testing and measuring devices; principles of motion and power transmission by fluid, mechanical and electrical means; and concepts and application of maintenance directives.

10.2. Education. For entry into this specialty, completion of high school with courses in physics, computers, and mathematics is desirable.

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

10.3.1. 2A231/2A231A. Completion of the applicable basic avionics systems courses is mandatory.

10.3.2. 2A251/2A251A. Requirements for the Journeyman level require completion of the 5-level CDC and qualification on the core tasks specified in the STS.

10.3.3. 2A271. Requirements for the Craftsman level require completion of the 7-level CDC (2AX7X), completion of Advanced Wiring Maintenance Course J4AMP3000 A48A, PDS ZIZ per the MAJCOM Mandatory Course List (MMCL) (ANG/AFRC exempt). Not applicable to personnel assigned to locations where the course is not yet available at the local Field Training Detachment (FTD).

10.3.4. 2A590. No formal training requirements established.

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

10.4.1. 2A251/2A251A. Qualification in and possession of AFSC 2A231/2A231A, experience in maintaining SOF/PR Communication/Navigation/Missions systems and

associated subsystems, inspecting components, troubleshooting and correcting system malfunctions, and repairing and replacing system components. Journeymen perform operational checks, component repair, and use and maintenance of test and support equipment.

10.4.2. 2A271. Qualification in and possession of AFSC 2A251/2A251A experience performing or supervising functions such as inspection, maintaining and troubleshooting SOF/PR Communication/Navigation/Missions systems, maintaining supplies and equipment, and administrative duties.

10.4.3. 2A590. Qualification in and possession of AFSC 2A271 is mandatory. Also, experience is mandatory managing or directing functions such as inspecting or maintaining aircraft, helicopters, or avionics systems

10.5. Other.

10.5.1. Normal color vision as defined in AFI 48-123, *Medical Examination and Standards*. Specialty requires routine access to Secret material or similar environment.

10.5.2. For award and retention of AFSCs 2A2X1/X, requires completion of a current National Agency Check, Local Agency Checks and Credit (NACLCL) according to AFI 31-501, *Personnel Security Program Management*.

NOTE: Award of the 3-skill level without a completed NACLCL is authorized provided an interim NACLCL has been granted according to AFI 31-501.

10.6. Training Sources and Resources. The 5-level CDC provides the career knowledge training required. The CDC is written to build from the trainee's current knowledge base, and provides more in-depth knowledge to support OJT requirements. OJT will be used to provide training and qualification on the core tasks identified in one MDS aircraft STS.

10.7. Implementation. The 3 level is awarded upon graduation from the applicable apprentice course. 5 and 7 Upgrade training will be completed using the core tasks and the formal CDCs. The 9-skill level is awarded upon promotion to SMSgt.

Section D - RESOURCE CONSTRAINTS

11. 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.

12. Apprentice Level Training.

12.1. Low Power Color Weather Radar (LPCWR), Enhanced Traffic Alert and Collision Avoidance System (ETCAS), Digital Interphone (DI), and Joint Tactical Radio System (JTRS).

12.1.1. Constraints. Trainers are not available for the Apprentice course to satisfy the requirement for operational checks on a LPCWR, ETCAS and DI systems. The JTRS is currently not being developed for AF use but could be revised at a later date.

12.1.1.1. Impacts. Apprentice students will not be able perform hands-on operational checks (proficiency code '2b') on LPCWR, ETCAS, and DI systems. Instead, they will receive training on step-by-step procedures to perform ops checks (proficiency code 'b') and will receive hands-on training with the systems currently available at the schoolhouse. They also will not receive training for basic facts and terms (proficiency code 'A') pertaining to purpose, characteristics and theory of operations on the JTRS because the system is unavailable. Proficiency code '2b/b' will be entered in column 4A for the respective STS line items for LPCWR, ETCAS and DI, and 'A/x' will be entered on line items for JTRS.

12.1.1.2. Resources Required. Funds to acquire new trainers or modify existing trainers capable of performing operational checks on LPCWR, ETCAS and DI systems are needed.

12.1.1.3. Actions Required. A lead command must be established to champion acquisition of training systems.

12.1.2. OPR and Target Completion Date. AETC/A3TM working with AF/A4LF. Completion date is to be determined

13. Journeyman Level Training. No resource constraints identified.

14. Craftsman Level Training. No resource constraints identified.

Section E – TRANSITIONAL TRAINING GUIDE

15. There are no transitional requirements. This area is reserved.

PART II

Section A –SPECIALTY TRAINING STANDARD

1. Implementation. This STS will be used for technical training provided by Air Education and Training Command (AETC) once all training resources are funded.

2. Purpose. As prescribed in AFI 36-2201, and AFI 36-2232 this STS:

2.1. Lists in the 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.

2.2. Identifies in column 2 (Core Tasks) by asterisk (*), specialty-wide training requirements. For upgrade training only those tasks designated as core requirements by the AFCFM (by an asterisk in column 2) need to be trained and certified. MAJCOM Functional Managers, commanders, and supervisors may designate additional critical tasks for duty position qualification, as necessary. When designated, certify the duty position critical tasks using normal task certification procedures. Exemptions:

2.2.1. Core tasks that are not applicable to base assigned aircraft or equipment are not required for upgrade (units are not required to send personnel TDY for core task training)

2.2.2. For units with more than one mission design aircraft, upgrade trainees need only complete core tasks on a single mission design. MFMs, unit commanders, and/or supervisors may require trainees to complete core task training on additional mission design aircraft, if desired. If some of these core tasks involve training in another unit on base, trainees must still complete all core tasks relevant to at least one mission design aircraft. All units are bound by the requirements in this CFETP and will accommodate core task trainees from other units.

2.2.3. Units that use the G081 maintenance data collection system do not need to complete Core Automated Maintenance System (CAMS) or Integrated Maintenance Data System (IMDS) Computer Based Training (CBT) core tasks. Units that use CAMS/IMDS do not need to complete G081 CBT core tasks.

2.3. Provides certification for OJT. Column 3 is used to record completion of tasks and knowledge training requirements. Use CAMS/IMDS/G081 to document technician qualifications, if available. Task certification must show a certification or completed date.

2.4. Shows formal training and correspondence course requirements. Column 4 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.

2.5. 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.

2.6. Job Qualification Standard. The STS becomes a job qualification standard (JQS) for on-the-job training when placed in AF Form 623, **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:

2.6.1. Documentation. Document and certify completion of training IAW AFI 36-2201. Use of Part II, attachments one, two, three, and at least one of attachments four through twenty-one is required in individual training records.

2.6.1.1. Transcribing from Old CFETP to New CFETP. All AFJQSs and previous CFETPs are replaced by this CFETP; therefore, transcribing of all training records to this CFETP STS is mandatory. Use this CFETP STS (or automated STS) to identify and certify all past and current qualifications. Document and certify all previous and current training IAW AFI 36-2201.

2.7. STS. A guide for development of promotion tests used in the Weighted Airman Promotion System (WAPS). Specialty Knowledge Tests (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.

3. 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 – 3-LEVEL COURSE OBJECTIVES

4. 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").

5. Objective Measurement. Each objective uses letter codes(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.

6. Objective Standard. The standard for written examinations is 70% to 72%. 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.

7. 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

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

Section D – TRAINING COURSE INDEX

9. Purpose. This section of the CFETP identifies training courses available for the 2A2X1X 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
609 9th Ave, Rm 135
Sheppard AFB, TX 76311-2335
DSN 736-7908

10. Air Force In-Resident Courses.

COURSE NO.	COURSE TITLE	LOCATION	USER
E3AQR2A231_048A	Avionics Fundamentals	Keesler AFB	AF
J3ABR2A231_048A	SOF/PR Integrated Communication/Navigation/Mission Systems Apprentice	Sheppard AFB	AF

11. AFIADL. <http://www.au.af.mil/au/afiadl/>.

COURSE NO.	COURSE TITLE	USER
CDC 2A251X	Communication/Navigation/Mission Systems Apprentice	AF
CDC 2AX7X	Aerospace Maintenance Systems Craftsman	AF

12. Exportable Courses. None. For further information on exportable courses, contact the OPRs at:

367 TRSS
6058 Aspen Ave
Hill AFB, UT 84056-5805
DSN 777-7830/8741

Interactive Courseware (ICW) courses are available from or are under development by, 367 TRS/TRSS at Hill AFB, Utah and 982 MXS/TSU at Sheppard AFB, Texas.
For further information contact the OPRs at:

367 TRSS
6058 Aspen Ave
Hill AFB, UT 84056-5805
DSN 777-7830/8741

982 MXS/LGMS
Instructional Technology Unit
912 I Ave, Ste 4
Sheppard AFB, TX 76311-2334
DSN 736-3834

13. Training Detachment (TD) Courses. For further information on the TD courses, you can go to the ETCA website at <https://etca.randolph.af.mil/> or contact the OPRs at:

373 TRS
912 I Ave, Suite 4
Sheppard AFB, TX 76311-2362
DSN 736-4745

Section E - MAJCOM UNIQUE REQUIREMENTS. There are no mandatory MAJCOM unique requirements for 2A2X1/X.

14. (USE IF APPLICABLE) For MAJCOM unique requirements, refer to the MAJCOM mandatory course lists:

HQ AFSOC/A4MMT
100 Bartley St., Ste 339W
Hurlburt Field FL. 32544-5273
DSN 579-2355

BY ORDER OF THE SECRETARY OF THE AIR FORCE

OFFICIAL

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

8 Attachments:

1. Proficiency Code Key
2. General 2A2X1X Training Requirements (Mandatory)
3. SOF/PR C-130 Training Requirements (Mandatory for C-130 personnel)
4. Off Equipment Training Requirements (Mandatory for applicable personnel)
5. CV-22 Training Requirements (Mandatory for CV-22 personnel)
6. HH-60 Training Requirements (Mandatory for HH-60 personnel)
7. Avionics Fundamentals Training Requirements
8. 2AX7X CDC Training Requirements (Mandatory for 7-level upgrade)

Note: Use of at least one of the attachments three through six is required.

Attachment 1

<i>This Block Is For Identification Purposes Only</i>		
Name Of Trainee:		
Printed Name (<i>Last, First, Middle Initial</i>)	Initials (Written)	SSAN (last 4 only)
Printed Name Of Training/Certifying Official And Written Initials		
<i>N/I</i>	<i>N/I</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.

GENERAL TRAINING REQUIREMENTS										
1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC
TR: AFI 10-1101, AAFP 10-11, and applicable directives										
2.2.4.1 Goals of OPSEC Program								-	-	-
2.2.4.2 Function of Critical Information Lists (CIL)								-	-	-
2.3 AF OCCUPATIONAL SAFETY and HEALTH (AFOSH) Safety Practices TR: AFI 91-series technical orders, 31, 33 series										
2.3.1 RF Energy								A	B	-
2.3.2 Noise								A	B	-
2.3.3 Compressed Gases								A	B	-
2.3.4 Electrical Power								A	B	-
2.3.5 Hydraulic Power								A	B	-
2.3.6 Hazardous Liquids								A	B	-
2.3.7 Radioactive Parts and Materials								A	-	-
2.3.8 Aircraft								A	B	-
2.3.9 AGE								-	-	-
2.3.10 Electrical Equipment								A	B	-
2.3.11 Beryllium / Copper Alloys								-	-	-
2.3.12 Lasers								A	-	-
2.3.13 Composites								A	-	-
2.3.14 CRTs								A	-	-
2.3.15 Lifting Devices								A	-	-
2.3.16 FOD Prevention								-	-	-
2.3.17 AF Nuclear Surety Program								-	-	-
2.3.18 Heavy Lifting								-	-	-
2.3.19 Fall Protection / Restraints								A	-	-
2.3.20 Inspect and Use Fire Extinguisher TR: TO 00-25-172								-	-	-
2.4 HAZARDOUS MATERIALS and WASTE HANDLING ACCORDING TO ENVIRONMENTAL STANDARDS TR: AFI-23-504, AFI 32-7042, AFPAM 32-7043, Applicable Federal Codes, EPA State Regulations										
2.4.1 Types of Hazardous Material and Fluids								A	-	-
2.4.2 Handling Procedures								A	-	-
2.4.3 Storage and Labeling								A	-	-
2.4.4 Proper Disposal								A	-	-
2.4.5 Material Safety Data Sheet (MSDS)								B	-	-
2.4.6 Report Hazardous Material Spills								-	-	-
2.5 MAINTENANCE MANAGEMENT TR: AFI-21-101										
2.5.1 Basic Functions and Responsibilities of Maintenance Complex								-	B	-
2.5.2 Maintenance Data Collection								A	B	-

GENERAL TRAINING REQUIREMENTS										
1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided		
	A	B	A	B	C	D	E	A 3 Skill Level (1) Course	B 5 Skill Level (2) CDC	C 7 Skill Level (2) CDC
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials			
2.5.3 Maintenance Information System								A	B	-
2.5.4 Maintenance Resource Management								A	-	-
2.5.5 Logistics / Resource Maintenance Management										
2.5.5.1 Logistics Management								-	-	-
2.5.5.2 Resource Management								-	-	-
2.5.5.3 Standard Publication Use								-	A	-
2.5.5.4 Product Improvement Working Group / Test Planning Working Group / System Training Plan / Product Improvement Review								-	-	-
2.5.5.5 Aircraft Maintenance Management Information Systems (CEMS, RAMPOD, PAMS, etc)								-	-	-
2.5.5.6 SMR Codes								-	-	-
2.5.5.7 Modification Proposals (AF Form 1067)								-	-	-
2.5.5.8 Aircraft / Equipment Status Monitoring								-	-	-
2.5.5.9 Compliance and Standardization Requirements Listing (CSRL)								-	-	-
2.5.5.10 Maintenance Performance Indicators (MPI) Relationships (repeat / recur, fix, break, cannibalization rates, etc.)								-	-	-
2.5.5.11 FOD Program Manager								-	-	-
2.5.5.12 Mobility (hazard declarations)								-	-	-
2.5.5.13 Maintenance Incident Investigation and Prevention								-	-	-
2.5.5.14 Minimum Essential Systems Lists (MESL)								-	-	-
2.5.5.15 TMDE Program								-	-	-
2.5.5.16 Warranty Program								-	-	-
2.5.5.17 Workcenter Responsibilities								-	-	-
2.5.5.18 IDEA Program								-	-	-
2.5.5.19 Repair Cycle Assessment Program								A	-	-
2.6 MAINTENANCE INSPECTION SYSTEMS and FORMS TR: AFI-21-101, OO-20 series technical orders										
2.6.1 Maintenance Systems								-	-	-
2.6.2 Aircraft Inspection Systems								-	A	-
2.6.3 Maintenance Data Collection Forms								B	-	-
2.6.4 Historical Records								-	-	-
2.6.5 Status Reports								-	-	-
2.6.6 Configuration Management (aircraft / equipment records)								-	-	-
2.6.7 Operate Applicable MIS (IMDS, GO81, ECSS)										
2.6.7.1 Create Discrepancy								2b	-	-
2.6.7.2 Schedule Discrepancy								2b	-	-

GENERAL TRAINING REQUIREMENTS											
1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC	
2.6.7.3	Defer Discrepancy								2b	-	-
2.6.7.4	Transfer Discrepancy								2b	-	-
2.6.7.5	Sign-Off Discrepancy	*							2b	-	-
2.6.7.6	In-Progress Inspection (IPI)								-	-	-
2.6.7.7	Supply Transactions								2b	-	-
2.6.7.8	Maintenance / Supervision Transactions								-	-	-
2.6.7.9	Use Work Center Discrepancy Screen								-	-	-
2.6.7.10	Complete IMDS Course J6ANU00066-046 or J6ANU00066-047								-	-	-
2.6.7.11	Complete IMDS for Supervisors Course J6ANU00066-048								-	-	-
2.6.8	Deficiency Reporting System										
2.6.8.1	Purpose								-	B	-
2.6.8.2	Produce Quality Deficiency Report								-	A	-
2.6.9	Use Aircraft / Equipment Maintenance Forms TR: 00-20-1										
2.6.9.1	781A	*							2b	A	-
2.6.9.2	781B								-	A	-
2.6.9.3	781C								2b	-	-
2.6.9.4	781D								-	-	-
2.6.9.5	781F								-	-	-
2.6.9.6	781H								2b	A	-
2.6.9.7	781J								-	A	-
2.6.9.8	781K	*							2b	A	-
2.6.9.9	781M								-	-	-
2.6.9.10	AFTO Form 244 / 245	*							2b	A	-
2.6.9.11	AF Form 1492 - Warning Tags	*							2b	A	-
2.7	SUPERVISION										
2.7.1	Orient New Personnel TR: AFI 36-2108 / TO 36-2201								-	-	-
2.7.2	Assign Personnel to Work Assignments AFI 21-101 / applicable command directives								-	-	-
2.7.3	Plan Work Assignments and Priorities TR: AFI 21-101 / applicable command directives								-	-	-
2.7.4	Schedule Work Assignments and Priorities TR: AFI 21-101 / applicable command directives								-	-	-
2.7.5	Coordinate Work Assignments TR: AFI 21-101 / applicable command directives								-	-	-
2.7.6	Establish TR: AFI 21-101 / applicable command directives										
2.7.6.1	Work Methods								-	-	-

GENERAL TRAINING REQUIREMENTS											
1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided			
	A	B	A	B	C	D	E	A 3 Skill Level (1) Course	B 5 Skill Level (2) CDC	C 7 Skill Level (2) CDC	
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials				
2.7.6.2 Controls									-	-	-
2.7.6.3 Performance Standards									-	-	-
2.7.6.4 Resource Protection									-	-	-
2.7.7 Evaluate Work Performance TR: AFI 21-101 / applicable command directives									-	-	-
2.7.8 Help Resolve Technical Problems TR: AFI 36-2101 / AFI 32-2201									-	-	-
2.7.9 Initiate Actions to Correct Substandard Performance TR: AFI 36-2903 / AFI 36-2907 / AFI 36-3202 / AFI 36-3208									-	-	-
2.7.10 Counsel Personnel and Help Resolve Individual Problems TR: AFP 36-2618									-	-	-
2.7.11 Supervise TR: AFMAN 36-2108, AFIs 36- 2201, 36-2103, 00-20-1											
2.7.11.1 Maintenance Actions									-	-	-
2.7.11.2 Inspection Actions									-	-	-
2.7.12 Justify TR: AFI 21-101/ applicable command directives											
2.7.12.1 Personnel Manning Requirements									-	-	-
2.7.12.2 Equipment Authorizations									-	-	-
2.7.13 Statement of Charges TR: DODR 700-14V4 / DOD 7200- 1									-	-	-
2.7.14 Perform Reports Of Survey TR: DODR 700-14V4, DOD 7200-1									-	-	-
2.7.15 Aircraft Scheduling TR: AFI 21-101/ applicable MAJCOM Instructions											
2.7.15.1 Utilize Flow Charts									-	-	-
2.7.15.2 Status Reporting									-	-	-
2.7.15.3 Flying / Maintenance Plan									-	-	-
2.8 TRAINING TR: AFI 36-2201											
2.8.1 Evaluate Personnel for Need of Training									-	-	-
2.8.2 Plan and Supervise OJT / EST											
2.8.2.1 Prepare Workcenter JQS (WJQS)									-	-	-
2.8.2.2 Conduct Training									-	-	-
2.8.2.3 Counsel Trainees on their Progress									-	-	-
2.8.2.4 Provide Motivation for Trainers and Trainees									-	-	-
2.8.3 Monitor Effectiveness Of Training TR: AFI 36-2201											
2.8.3.1 Career Knowledge Update									-	-	-
2.8.3.2 Job Proficiency Upgrade									-	-	-

GENERAL TRAINING REQUIREMENTS										
1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC
2.8.3.3 Qualification Training								-	-	-
2.8.3.4 Maintain Training Records								-	-	-
2.8.3.5 Evaluate Effectiveness of Training Programs								-	-	-
2.8.3.6 Recommend Personnel for Training								-	-	-
2.8.4 OJT Trainer Requirements TR: AFI 36-2201										
2.8.4.1 Prepare Teaching Outlines of Tasks Breakdowns								-	-	-
2.8.4.2 Provide Trainees Theory and Training on Actual Equipment								-	-	-
2.8.4.3 Provide Feedback on Training Provided								-	-	-
2.8.5 OJT Task Certifier Requirements TR: AFI 36-2201										
2.8.5.1 Develop Methods of Evaluation to Determine Trainee Knowledge / Qualification and Training Effectiveness								-	-	-
2.8.5.2 Use Appropriate Method of Evaluation and Effectively Determine Trainees Ability								-	-	-
2.8.5.3 Provide Supervisor and Trainee Feedback on Results of Training Provided and Trainees Strengths / Weaknesses								-	-	-
2.9 TECHNICAL PUBLICATIONS TR: Applicable 00-series technical orders, 80-00-1										
2.9.1 Scope and Application of Technical Order System								A	B	-
2.9.2 Technical Order (TO) Management								-	-	-
2.9.3 Use Technical Order Indexes								-	-	-
2.9.4 Use Technical Orders								2b	-	-
2.9.5 Electronic Technical Orders								A	-	-
2.9.6 Technical Order Improvement / Deficiency Report (AFTO Form 22)								A	A	-
2.9.7 Scope and Application of Computer Program Identification Number (CPIN) System								A	B	-
2.9.8 Use CPIN Compendium								-	-	-
2.9.9 Maintain Technical Order Files								-	-	-
2.9.10 Time Compliance Technical Orders (TCTO)								-	A	-
2.10 SUPPLY DISCIPLINE TR: AFI 21-101, AFMAN 23-110										
2.10.1 Supply Principles								-	-	-
2.10.2 Property Accountability and Responsibility								A	B	-
2.10.3 Principles of Equipment Authorization								-	-	-

GENERAL TRAINING REQUIREMENTS										
1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC
and Management										
2.10.4 Special Requisitions								-	-	-
2.10.5 Back Order Verification								-	-	-
2.10.6 Equipment Condition Tags								2b	-	-
2.10.7 Issue / Turn-In Requests								-	-	-
2.10.8 Maintenance Supply Concept								-	-	-
2.10.9 Supply Documents Management								-	-	-
2.10.10 Equipment Management Account								-	-	-
2.10.11 Priority System								-	-	-
2.10.12 Repair Cycle Assets								-	-	-
2.10.13 Standard Base Supply System (SBSS)								A	-	-
2.10.14 FEDLOG / WEBFLIS								A	-	-
2.10.15 Classified Asset Handling								A	A	-
2.10.16 Land Mobile Radios/Pagers/Cell Phones								-	-	-
2.10.17 Depot Level Repair								-	-	-
2.10.18 Use Supply Products TR: AFMAN 23-110										
2.10.18.1 D04 (Daily Document Register)								-	-	-
2.10.18.2 D18 (Priority Monitor List)								-	-	-
2.10.18.3 M30 (Due-Out Validation Listing)								-	-	-
2.10.18.4 D23								-	-	-
2.11 FUNDAMENTALS OF ON-EQUIPMENT MAINTENANCE TR: Applicable aircraft -1 and -2 series technical orders										
2.11.1 Use Common Tools TR: AFI 91-408 TO 00-25-234 / TO 32-1-1 / TO 32-1-2 / TO 32-1-101 / TO 32-1-211								2b	-	-
2.11.2 Use Torque Indicating Devices	*							2b	B	-
2.11.3 Use Special Purpose Tools								-	-	-
2.11.4 Protection Procedures when Handling Electrostatic Sensitive Devices								B	-	-
2.11.5 Use Panel Sealants / Gaskets								-	A	-
2.11.6 Identify and Perform Corrosion Control								a	-	-
2.11.7 Inventory and Inspect CTKs	*							2b	-	-
2.11.8 Use Tool Accountability Program								-	-	-
2.11.9 Use Safetying Devices										
2.11.9.1 Safety Wire	*							2b	-	-
2.11.9.2 Shear Wire								b	-	-
2.11.9.3 DMC Safe-T Cable								-	-	-
2.11.10 Remove and Install NOTE: Qualification on line items 2.11.10.1 through 2.11.10.13 qualifies the individual on all similar system components throughout this training record unless identified separately in the specific system or in writing by the supervisor.										

GENERAL TRAINING REQUIREMENTS											
1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided			
	A	B	A	B	C	D	E	A 3 Skill Level (1) Course	B 5 Skill Level (2) CDC	C 7 Skill Level (2) CDC	
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials				
2.11.10.1	Shock Mounted	*							2b	-	-
2.11.10.2	Tray Mounted	*							2b	-	-
2.11.10.3	Rack Mounted	*							2b	-	-
2.11.10.4	Console Mounted	*							2b	-	-
2.11.10.5	Aircraft Surface Mounted	*							2b	-	-
2.11.10.6	Clamp Mounted Components								-	-	-
2.11.10.7	Bezel Mounted Components								-	-	-
2.11.10.8	Latch Mounted Components	*							-	-	-
2.11.10.9	Bulkhead Mounted								-	-	-
2.11.10.10	Equipment Mounted	*							-	-	-
2.11.10.11	Minor Parts and Hardware (i.e. relay, switches, bulbs, circuit breakers)	*							-	-	-
2.11.10.12	Capacitors / Resistors / Diodes								-	-	-
2.11.10.13	Terminal / Modular Blocks								-	-	-
2.12	AIRCRAFT FAMILIARIZATION TR: Applicable aircraft technical orders										
2.12.1	Major Structural Areas								A	A	-
2.12.2	Major Systems								A	A	-
2.12.3	Danger Areas								B	B	-
2.12.4	Egress								A	-	-
2.12.5	Practice Safe Entry Procedures on Aircraft with Open Fuel Cells								-	-	-
2.12.6	Purpose of Radar Absorption Material (RAM)								A	-	-
2.12.7	Use Powered AGE										
2.12.7.1	Bleed Air Cart								-	-	-
2.12.7.2	Heater								-	-	-
2.12.7.3	Air Conditioner								-	-	-
2.12.7.4	Light Cart								-	-	-
2.12.7.5	Air Compressor (MC-1A / MC-2A)								-	-	-
2.12.7.6	Ground Power Unit								-	-	-
2.12.7.7	Powered Man-Lifts								-	-	-
2.12.7.8	Motorized Maintenance Stand								-	-	-
2.12.7.9	Nitrogen Cart								-	-	-
2.12.8	Use Non-Powered AGE TR: AFI 91-408										
2.12.8.1	Maintenance Platform (B-1)								2b	-	-
2.12.8.2	Maintenance Platform (B-2)								-	-	-
2.12.8.3	Maintenance Platform (B-4 / B-5)								2b	-	-
2.12.8.4	Maintenance Platform (B-6)								-	-	-
2.12.8.5	Maintenance Platform (B-7)								-	-	-
2.12.8.6	Maintenance Platform (C-1)								-	-	-
2.12.9	Use Special Purpose Vehicles TR: Operator Manuals										
2.12.9.1	High Reach								-	-	-
2.12.9.2	Deicer								-	-	-

GENERAL TRAINING REQUIREMENTS										
1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC
2.12.9.3 Cranes								-	-	-
2.13 FUNDAMENTALS OF AVIONICS SYSTEMS MAINTENANCE TR: Applicable aircraft -1 and -2 series technical orders										
2.13.1 Nuclear Hardness Maintenance and Inspections TR: TO JG-00-1, 1-1A-14								A	-	-
2.13.2 Source Of EMI										
2.13.2.1 Identify and Perform Corrosion Control								-	A	-
2.13.2.2 Eliminate								-	A	-
2.13.3 Source Of RFI										
2.13.3.1 Identify and Perform Corrosion Control								-	A	-
2.13.3.2 Eliminate								-	A	-
2.13.4 Data Bus Principles / Maintenance Practices TR: Applicable aircraft technical orders										
2.13.4.1 Local Area Networks								-	B	-
2.13.4.2 MIL-STD-1553A								A	B	-
2.13.4.3 MIL-STD-1553B								A	B	-
2.13.4.4 RS-232								-	-	-
2.13.4.5 RS-422								-	-	-
2.13.4.6 MIL-STD-1760								-	-	-
2.13.4.7 Fiber Optics								-	B	-
2.13.4.8 Troubleshoot Data Bus								-	-	-
2.14 GENERAL RADAR SYSTEMS										
2.14.1 Theory Of Operation										
2.14.1.1 Antenna Systems								B	B	-
2.14.1.2 Transmitters								B	B	-
2.14.1.3 Receivers								B	B	-
2.14.2 Modes/ Functions										
2.14.2.1 Ground Mapping								A	A	-
2.14.2.2 Low Power Color Weather Radar								A	A	-
2.14.2.3 Terrain Avoidance								A	A	-
2.14.2.4 Terrain Following								A	A	-
2.14.2.5 Target Acquisition								A	A	-
2.14.2.6 Bombing Radar								A	A	-
2.14.2.7 Synthetic Aperture Radar								A	A	-
2.14.2.8 Rendezvous Beacon								A	-	-
2.14.2.9 Station Keeping								A	-	-
2.14.3 Ground Mapping Radar										
2.14.3.1 Purpose and Characteristics								B	-	-
2.14.3.2 Theory of Operation								-	-	-
2.14.3.3 System Tie-In / Integration								B	-	-
2.14.3.4 Perform Operational Checks								-	-	-

GENERAL TRAINING REQUIREMENTS										
1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC
2.14.4 Low Power Color Weather Radar Note: The Apprentice course will continue doing ops checks using the C-141 color weather radar until replacement trainers are received.										
2.14.4.1 Purpose and Characteristics								B	-	-
2.14.4.2 Theory of Operation								-	-	-
2.14.4.3 System Tie-In / Integration								B	-	-
2.14.4.4 Perform Operational Checks								2b/b	-	-
2.14.5 Radar Altimeter										
2.14.5.1 Purpose and Characteristics								B	-	-
2.14.5.2 Theory of Operation								B	B	-
2.14.5.3 System Tie-In / Integration								B	-	-
2.14.5.4 Perform Operational Checks								-	-	-
2.14.6 Search/Weather Radar										
2.14.6.1 Purpose and Characteristics								-	-	-
2.14.6.2 Theory of Operation								-	-	-
2.14.6.3 System Tie-In / Integration								-	-	-
2.14.6.4 Perform Operational Checks								1b	-	-
2.15 GENERAL COMPUTER COMPLEX SYSTEMS										
2.15.1 Purpose and Characteristics								B	B	-
2.15.2 Theory of Operation								-	-	-
2.15.3 System Tie-in / Integration								B	B	-
2.15.4 Perform Operational Checks								-	-	-
2.16 GENERAL NAVIGATION SYSTEMS										
2.16.1 Principles										
2.16.1.1 Earth Coordinate System								B	B	-
2.16.1.2 Great Circle Navigation								B	B	-
2.16.2 Global Positioning System (GPS)										
2.16.2.1 Purpose and Characteristics								B	B	-
2.16.2.2 Theory of Operation								B	B	-
2.16.2.3 System Tie-In / Integration								B	-	-
2.16.2.4 Perform Operational Checks								2b	-	-
2.16.3 Doppler										
2.16.3.1 Purpose and Characteristics								A	-	-
2.16.3.2 Theory of Operation								A	-	-
2.16.3.3 System Tie-In / Integration								B	-	-
2.16.3.4 Perform Operational Checks								-	-	-
2.16.4 Inertial Navigation System (INS)										
2.16.4.1 Purpose and Characteristics								B	B	-
2.16.4.2 Theory of Operation								B	B	-
2.16.4.3 System Tie-In / Integration								B	-	-
2.16.4.4 Perform Operational Checks								2b	-	-
2.16.5 Tactical Air Navigation (TACAN)										
2.16.5.1 Purpose and Characteristics								B	B	-
2.16.5.2 Theory of Operation								B	B	-

GENERAL TRAINING REQUIREMENTS											
1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC	
2.16.5.3	System Tie-In / Integration								B	-	-
2.16.5.4	Perform Operational Checks								2b	-	-
2.16.5.5	Isolate Malfunctions								2b	-	-
2.16.6	Instrument Landing System (ILS)										
2.16.6.1	Purpose and Characteristics								B	B	-
2.16.6.2	Theory of Operation								B	B	-
2.16.6.3	System Tie-In / Integration								-	-	-
2.16.6.4	Perform Operational Checks								2b	-	-
2.16.6.5	Isolate Malfunctions								2b	-	-
2.16.7	VHF Omni Directional Range (VOR)										
2.16.7.1	Purpose and Characteristics								B	B	-
2.16.7.2	Theory of Operation								B	B	-
2.16.7.3	System Tie-In / Integration								-	-	-
2.16.7.4	Perform Operational Checks								2b	-	-
2.16.7.5	Isolate Malfunctions								2b	-	-
2.16.8	Microwave Landing Systems (MLS)										
2.16.8.1	Purpose and Characteristics								-	-	-
2.16.8.2	Theory of Operation								-	-	-
2.16.8.3	System Tie-In / Integration								-	-	-
2.16.8.4	Perform Operational Checks								-	-	-
2.16.8.5	Isolate Malfunctions								-	-	-
2.16.9	Automatic Direction Finding System (ADF)										
2.16.9.1	Purpose and Characteristics								-	-	-
2.16.9.2	Theory of Operation								-	-	-
2.16.9.3	System Tie-In / Integration								-	-	-
2.16.9.4	Perform Operational Checks								-	-	-
2.16.9.5	Isolate Malfunctions								-	-	-
2.16.10	Selective Identification Feature (SIF) / Identify Friend Or Foe (IFF)										
2.16.10.1	Purpose and Characteristics								B	B	-
2.16.10.2	Theory of Operation								B	B	-
2.16.10.3	System Tie-In / Integration								B	-	-
2.16.10.4	Perform Operational Checks								2b	-	-
2.16.10.5	Isolate Malfunctions								2b	-	-
2.16.11	Enhanced Traffic Alert and Collision Avoidance System										
2.16.11.1	Purpose and Characteristics								B	B	-
2.16.11.2	Theory of Operation								B	B	-
2.16.11.3	System Tie-In / Integration								B	-	-
2.16.11.4	Perform Operational Checks								2b/b	-	-
2.17	GENERAL COMMUNICATION SYSTEMS										
2.17.1	Principles										
2.17.1.1	Transmitters								B	B	-
2.17.1.2	Receivers								B	B	-

GENERAL TRAINING REQUIREMENTS											
1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC	
2.17.1.3	Transponders								B	B	-
2.17.1.4	Antennas								A	A	-
2.17.1.5	Transmission Lines								B	B	-
2.17.1.6	Modulation								B	-	-
2.17.2	Cryptographic Devices TR: TM 3155-2 USC-43-2; applicable aircraft technical orders										
2.17.2.1	Purpose and Characteristics								B	B	-
2.17.2.2	Theory of Operation								B	B	-
2.17.2.3	System Tie-In / Integration								-	-	-
2.17.2.4	Perform Operational Checks								-	-	-
2.17.2.3	Cryptographic Simple Key Loading Devices TR: Applicable Technical Data										
2.17.2.3.1	Inspect								-	-	-
2.17.2.3.2	Use								2b	-	-
2.17.2.3.3	Load								2b	-	-
2.17.3	Wideband Secure Voice (WBSV)										
2.17.3.1	Purpose and Characteristics								B	B	-
2.17.3.2	Theory of Operation								B	B	-
2.17.3.3	System Tie-In / Integration								-	-	-
2.17.3.4	Perform Operational Checks								2b	-	-
2.17.4	Narrowband Secure Voice (NBSV)										
2.17.4.1	Purpose and Characteristics								B	B	-
2.17.4.2	Theory of Operation								B	B	-
2.17.4.3	System Tie-In / Integration								-	-	-
2.17.4.4	Perform Operational Checks								2b	-	-
2.17.5	Multipurpose / Multimode Communications TR: Applicable aircraft technical orders										
2.17.5.1	Purpose and Characteristics								B	B	-
2.17.5.2	Theory of Operation								B	B	-
2.17.5.3	System Tie-In / Integration								-	-	-
2.17.5.4	Perform Operational Checks								2b	-	-
2.17.6	Emergency Communication Systems TR: Applicable aircraft technical orders										
2.17.6.1	Underwater Acoustical Beacon (UAB)										
2.17.6.1.1	Purpose and Characteristics								A	A	-
2.17.6.1.2	Theory of Operation								A	A	-
2.17.6.1.3	System Tie-In / Integration								-	-	-
2.17.6.1.4	Perform Operational Checks								-	-	-
2.17.6.2	Emergency Locator Transmitter										
2.17.6.2.1	Purpose and Characteristics								A	A	-
2.17.6.2.2	Theory of Operation								A	-	-
2.17.6.2.3	System Tie-In / Integration								-	-	-
2.17.6.2.4	Perform Operational Checks								-	-	-

GENERAL TRAINING REQUIREMENTS										
1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided		
	A	B	A	B	C	D	E	A 3 Skill Level (1) Course	B 5 Skill Level (2) CDC	C 7 Skill Level (2) CDC
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials			
2.17.6.3 Cockpit Voice Recorder										
2.17.6.3.1 Purpose and Characteristics								A	-	-
2.17.6.3.2 Theory of Operation								A	-	-
2.17.6.3.3 System Tie-In / Integration								-	-	-
2.17.6.3.4 Perform Operational Checks								-	-	-
2.17.7 Digital and Analog Interphone Systems										
2.17.7.1 Purpose and Characteristics								B	B	-
2.17.7.2 Theory of Operation								B	B	-
2.17.7.3 System Tie-In / Integration								B	-	-
2.17.7.4 Perform Operational Checks								2b/b	-	-
2.17.8 High Frequency System (HF)										
2.17.8.1 Purpose and Characteristics								B	B	-
2.17.8.2 Theory of Operation								B	B	-
2.17.8.3 System Tie-In / Integration								-	-	-
2.17.8.4 Perform Operational Checks								2b	-	-
2.17.8.5 Isolate Malfunctions								2b	-	-
2.17.9 Ultra High Frequency System (UHF)										
2.17.9.1 Purpose and Characteristics								B	B	-
2.17.9.2 Theory of Operation								B	B	-
2.17.9.3 System Tie-In / Integration								-	-	-
2.17.9.4 Perform Operational Checks								2b	-	-
2.17.9.5 Isolate Malfunctions								2b	-	-
2.17.10 Very High Frequency System (VHF)										
2.17.10.1 Purpose and Characteristics								B	B	-
2.17.10.2 Theory of Operation								B	B	-
2.17.10.3 System Tie-In / Integration								-	-	-
2.17.10.4 Perform Operational Checks								2b	-	-
2.17.11 Demand Assigned Multiple Access (DAMA) SATCOM										
2.17.11.1 Purpose and Characteristics								B	-	-
2.17.11.2 Theory of Operation								B	-	-
2.17.11.3 System Tie-In / Integration								-	-	-
2.17.11.4 Perform Operational Checks								-	-	-
2.17.12 Data Link Systems										
2.17.12.1 Purpose and Characteristics								B	B	-
2.17.12.2 Theory of Operation								B	B	-
2.17.12.3 System Tie-In / Integration								-	-	-
2.17.12.4 Perform Operational Checks								-	-	-
2.17.13 Joint Tactical Radio System (JTRS)										
2.17.13.1 Purpose and Characteristics								X	-	-
2.17.13.2 Theory of Operation								X	-	-
2.17.13.3 System Tie-In / Integration								-	-	-
2.17.13.4 Perform Operational Check								-	-	-
2.18 SENSOR SYSTEMS										
2.18.1 Principles										

GENERAL TRAINING REQUIREMENTS										
1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC
2.18.1.1 Infrared								-	-	-
2.18.1.2 Video								-	-	-
2.19 AIRCRAFT WIRING										
2.19.1 Kapton								A	-	-
2.19.2 Multiconductor								A	-	-
2.19.3 Coaxial								A	-	-
2.19.4 Triaxial / Twinaxial								A	-	-
2.19.5 Nuclear Hardened								A	-	-
2.19.6 Twisted Pair								A	-	-
2.19.7 Single Conductor								A	-	-
2.19.8 Foamflex								A	-	-
2.20 PERFORM WIRE MAINTENANCE										
2.20.1 Stripping								2b	B	-
2.20.2 Environmental Splicing								2b	B	-
2.20.3 Bundling								2b	B	-
2.20.4 Strain Relief								2b	B	-
2.20.5 Continuity Checks								2b	-	-
2.20.6 Wire Repair	*							-	B	-
2.20.7 Solder / Desolder										
2.20.7.1 Wire Terminals								-	-	-
2.20.7.2 Circuit (PC) Boards								-	-	-
2.20.7.3 Connectors										
2.20.7.3.1 Coaxial								-	-	-
2.20.7.3.2 Multipin								-	-	-
2.20.7.4 U-92								-	-	-
2.20.7.5 U-94								2b/b	-	-
2.20.7.6 Pot Connectors								-	-	-
2.20.7.7 Splices								-	-	-
2.20.8 Assemble / Disassemble Solderless Connectors										
2.20.8.1 Crimp Connectors	*							2b	-	-
2.20.8.2 Coaxial Connectors								2b/b	-	-
2.20.8.3 Multipin Connectors								-	A	-
2.21 USE TEST EQUIPMENT / SPECIAL TOOLS										
2.21.1 IFF Transponder Test Set								2b	B	-
2.21.2 Bus Analyzer								-	A	-
2.21.3 Radar Test Set								-	-	-
2.21.4 Radio / Radar Altimeter Test Set								-	-	-
2.21.5 TACAN Test Set								2b	B	-
2.21.6 VOR / ILS Test Set								2b	B	-
2.21.7 Wattmeter								2b	B	-
2.21.8 Power Meter								-	-	-
2.21.9 Wire Maintenance Heat Tools								2b	A	-
2.21.10 Modulation / Demodulation Meter								-	-	-
2.21.11 Microwave Landing System Test Set								-	-	-

GENERAL TRAINING REQUIREMENTS											
1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC	
2.21.12 TCAS Test Set									-	-	-
2.21.13 TTU-205 Test Set									-	-	-
2.21.14 ADTS-405 Test Set									-	-	-
2.21.15 Laptop / Hand-Held Computers									-	-	-
2.21.16 RF Transmission Line Test Set									-	A	-
2.21.17 Time Domain Reflect Meter (TDR)									2b	B	-
2.21.18 Bonding Meter									2b	A	-
2.21.19 Oscilloscope									2b	-	-
2.21.20 Digital Multimeter									2b	-	-

SOF C-130 TRAINING REQUIREMENTS											
1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Level	7 Level	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC	
3.1.2.18.1 Perform wing/tail walker duties									-	-	-
3.1.2.18.2 Brake operator									-	-	-
3.1.2.19 Jack aircraft											
3.1.2.19.1 Jacking team supervisor									-	-	-
3.1.2.19.2 Jacking team member									-	-	-
3.1.2.20 Operate GTC									-	-	-
3.1.3 COMMUNICATIONS SYSTEMS (AC 130H)											
3.1.3.1 AN/AIC 38 Interphone TR: Applicable C-130 Technical Order											
3.1.3.1.1 Theory of operation									-	-	-
3.1.3.1.2 Perform operational check	*								-	-	-
3.1.3.1.3 Remove and Install Inter/MIC Control Switch	*								-	-	-
3.1.3.1.4 Isolate Malfunction	*								-	-	-
3.1.3.1.5 Perform Advanced Troubleshooting		*							-	-	-
3.1.3.2 AN/ARC-190 HF Communications TR: Applicable C-130 Technical Order											
3.1.3.2.1 Theory of operation									-	-	-
3.1.3.2.2 Perform operational check	*								-	-	-
3.1.3.2.3 Remove and Install Automatic Coupler	*								-	-	-
3.1.3.2.4 Remove and Install Antenna Mast/Lightening Arrestor									-	-	-
3.1.3.2.5 Remove and Install External Wire Antenna									-	-	-
3.1.3.2.6 Isolate Malfunction	*								-	-	-
3.1.3.2.7 Perform Advanced Troubleshooting		*							-	-	-
3.1.3.3 AN/ARC-222 VHF Communications TR: Applicable C-130 Technical Order											
3.1.3.3.1 Theory of operation									-	-	-
3.1.3.3.2 Perform operational check	*								-	-	-
3.1.3.3.3 Isolate Malfunction	*								-	-	-
3.1.3.3.4 Perform Advanced Troubleshooting		*							-	-	-
3.1.3.4 AN/ARC-164 UHF Communications TR: Applicable C-130 Technical Order											
3.1.3.4.1 Theory of operation									-	-	-
3.1.3.4.2 Perform operational check	*								-	-	-
3.1.3.4.3 Isolate Malfunction	*								-	-	-
3.1.3.4.4 Perform Advanced Troubleshooting		*							-	-	-
3.1.3.5 TSEC/KY-58 UHF/VHF Secure Speech TR: Applicable C-130 Technical Order											
3.1.3.5.1 Theory of operation									-	-	-
3.1.3.5.2 Perform operational check	*								-	-	-
3.1.3.5.3 Isolate Malfunction	*								-	-	-
3.1.3.5.4 Perform Advanced Troubleshooting		*							-	-	-
3.1.3.6 Advanced Narrowband Digital Voice Terminal (ANDVT)											

SOF C-130 TRAINING REQUIREMENTS										
1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
TR: Applicable C-130 Technical Order										
3.1.3.6.1 Theory of operation								-	-	-
3.1.3.6.2 Perform operational check	*							-	-	-
3.1.3.6.3 Isolate Malfunction	*							-	-	-
3.1.3.6.4 Perform Advanced Troubleshooting		*						-	-	-
3.1.3.7 AN/ARC-187 Satellite Communications TR: Applicable C-130 Technical Order										
3.1.3.7.1 Theory of operation								-	-	-
3.1.3.7.2 Perform operational checks	*							-	-	-
3.1.3.7.3 Isolate Malfunction	*							-	-	-
3.1.3.7.4 Perform Advanced Troubleshooting		*						-	-	-
3.1.3.8 AN/ARC-231 V/U/SAT Radio Set TR: Applicable C-130 Technical Order										
3.1.3.8.1 Theory of Operation								-	-	-
3.1.3.8.2 Perform operational check	*							-	-	-
3.1.3.8.3 Remove and install High Power Amplifier								-	-	-
3.1.3.8.4 Isolate Malfunction	*							-	-	-
3.1.3.8.5 Perform Advanced Troubleshooting		*						-	-	-
3.1.3.9 Model A100 Flight Voice Recorder TR: Applicable C-130 Technical Order										
3.1.3.9.1 Theory of operation								-	-	-
3.1.3.9.2 Perform operational checks	*							-	-	-
3.1.3.9.3 Remove and install Auxiliary Area Microphone								-	-	-
3.1.3.9.4 Isolate Malfunction	*							-	-	-
3.1.3.9.5 Perform Advanced Troubleshooting		*						-	-	-
3.1.3.10 Underwater Locator Beacon (ULB) TR: Applicable C-130 Technical Order										
3.1.3.10.1 Theory of operation								-	-	-
3.1.3.10.2 Perform operational check								-	-	-
3.1.3.10.3 Isolate Malfunction	*							-	-	-
3.1.4 NAVIGATION SYSTEMS (AC-130H)										
3.1.4.1 AN/APX-119 Identification Friend or Foe (IFF) TR: Applicable C-130 Technical Order										
3.1.4.1.1 Theory of operation								-	-	-
3.1.4.1.2 Perform operational checks	*							-	-	-
3.1.4.1.3 Isolate Malfunction	*							-	-	-
3.1.4.1.4 Perform Advanced Troubleshooting		*						-	-	-
3.1.4.2 AN/ARS-6 Personnel Locator System TR: Applicable C-130 Technical Order										
3.1.4.2.1 Theory of Operation								-	-	-
3.1.4.2.2 Perform operational check								-	-	-
3.1.4.2.3 Isolate Malfunction								-	-	-
3.1.4.2.4 Perform Advanced Troubleshooting								-	-	-
3.1.4.3 AN/ARN-147 VOR/ILS/MB										

SOF C-130 TRAINING REQUIREMENTS										
1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
TR: Applicable C-130 Technical Order										
3.1.4.3.1 Theory of operation								-	-	-
3.1.4.3.2 Perform operational check	*							-	-	-
3.1.4.3.3 Remove and install VOR Antenna								-	-	-
3.1.4.3.4 Isolate Malfunction	*							-	-	-
3.1.4.3.5 Perform Advanced Troubleshooting		*						-	-	-
3.1.4.4 AN/ARN-118 Tactical Air Navigation TR: Applicable C-130 Technical Order										
3.1.4.4.1 Theory of operation								-	-	-
3.1.4.4.2 Perform operational checks	*							-	-	-
3.1.4.4.3 Isolate Malfunction	*							-	-	-
3.1.4.4.4 Perform Advanced Troubleshooting		*						-	-	-
3.1.4.5 TACAN/ Multifunction Information Distribution System (MIDS)										
3.1.4.5.1 Theory of Operation								-	-	-
3.1.4.5.2 Perform Operational Check	*							-	-	-
3.1.4.5.3 Isolate malfunctions	*							-	-	-
3.1.4.5.4 Perform Advanced Troubleshooting		*						-	-	-
3.1.4.6 Inertial Navigation System (INS) TR: Applicable C-130 Technical Order										
3.1.4.6.1 Theory of Operation								-	-	-
3.1.4.6.2 Perform operational checks								-	-	-
3.1.4.6.3 Isolate Malfunction	*							-	-	-
3.1.4.6.4 Perform Advanced Troubleshooting		*						-	-	-
3.1.4.7 AN/ARN-151 Global Positioning System (GPS) TR: Applicable C-130 Technical Order										
3.1.4.7.1 Theory of operation								-	-	-
3.1.4.7.2 Perform operational checks	*							-	-	-
3.1.4.7.3 Remove and Install Antenna								-	-	-
3.1.4.7.4 Remove and Install Antenna Controller								-	-	-
3.1.4.7.5 Isolate Malfunction	*							-	-	-
3.1.4.7.6 Perform Advanced Troubleshooting		*						-	-	-
3.1.4.8 AN/ARA-50 UHF Direction Finder TR: Applicable C-130 Technical Order										
3.1.4.8.1 Theory of operation								-	-	-
3.1.4.8.2 Perform operational checks								-	-	-
3.1.4.8.3 Isolate Malfunction								-	-	-
3.1.4.8.4 Perform Advanced Troubleshooting								-	-	-
3.1.4.9 AN/ARN-149 Low Frequency (ADF) TR: Applicable C-130 Technical Order										
3.1.4.9.1 Theory of Operation								-	-	-
3.1.4.9.2 Perform operational check								-	-	-
3.1.4.9.3 Adjust Loop Antenna								-	-	-
3.1.4.9.4 Isolate Malfunction								-	-	-
3.1.4.9.5 Perform Advanced Troubleshooting								-	-	-

SOF C-130 TRAINING REQUIREMENTS										
1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
3.1.4.10 AN/APN-218 Doppler Navigation System TR: Applicable C-130 Technical Order										
3.1.4.10.1 Theory of Operation								-	-	-
3.1.4.10.2 Perform operational check								-	-	-
3.1.4.10.3 Remove and Install DVS								-	-	-
3.1.4.10.4 Isolate Malfunction								-	-	-
3.1.4.10.5 Perform Advanced Troubleshooting								-	-	-
3.1.4.11 AN/APX-116 Low Probability of Intercept (LPI) Radar Transponder Set										
3.1.4.11.1 Theory of Operation								-	-	-
3.1.4.11.2 Perform Operational Check	*							-	-	-
3.1.4.11.3 Remove and install Antenna								-	-	-
3.1.4.11.4 Load Software								-	-	-
3.1.4.11.5 Isolate malfunctions								-	-	-
3.1.4.11.6 Perform Advanced Troubleshooting								-	-	-
3.1.4.12 Enhanced Traffic Collision Avoidance System (ETCAS) (AN / APN-244)										
3.1.4.12.1 Theory of Operation								-	-	-
3.1.4.12.2 Perform operational check	*							-	-	-
3.1.4.12.3 Isolate Malfunctions	*							-	-	-
3.1.4.12.4 Perform Advanced Troubleshooting		*						-	-	-
3.1.5 RADAR SYSTEMS (AC-130H)										
3.1.5.1 AN/APN-241 Low Power Color Radar TR: Applicable C-130 Technical Order										
3.1.5.1.1 Theory of operation								-	-	-
3.1.5.1.2 Perform operational checks	*							-	-	-
3.1.5.1.3 Remove and Install Antenna control	*							-	-	-
3.1.5.1.4 Remove and Install LRMs	*							-	-	-
3.1.5.1.5 Remove and Install Receiver transmitter Processor	*							-	-	-
3.1.5.1.6 Remove and Install Environmental Mount								-	-	-
3.1.5.1.7 Isolate Malfunction	*							-	-	-
3.1.5.1.8 Perform Advanced Troubleshooting		*						-	-	-
3.1.5.2 APQ-150 Beacon Tracking Radar TR: Applicable C-130 Technical Order										
3.1.5.2.1 Theory of Operation								-	-	-
3.1.5.2.2 Perform operational check	*							-	-	-
3.1.5.2.3 Remove and install Receiver/ Transmitter	*							-	-	-
3.1.5.2.4 Remove and install Support Housing	*							-	-	-
3.1.5.2.5 Remove and install Signal Processor	*							-	-	-
3.1.5.2.6 Isolate Malfunction	*							-	-	-
3.1.5.2.7 Perform Advanced Troubleshooting		*						-	-	-
3.1.5.3 AN/APN-232 Combined Altitude Radar Altimeter										

SOF C-130 TRAINING REQUIREMENTS										
1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
TR: Applicable C-130 Technical Order										
3.1.5.3.1 Theory of operation								-	-	-
3.1.5.3.2 Perform operational check	*							-	-	-
3.1.5.3.3 Adjust Altitude	*							-	-	-
3.1.5.3.4 Isolate Malfunction	*							-	-	-
3.1.5.3.5 Perform Advanced Troubleshooting		*						-	-	-
3.1.5.4 Interference Blanking Unit (IBU) TR: Applicable C-130 Technical Order										
3.1.5.4.1 Theory of Operation								-	-	-
3.1.5.4.2 Perform operational check								-	-	-
3.1.5.4.3 Isolate Malfunction								-	-	-
3.1.5.4.4 Perform Advanced Troubleshooting								-	-	-
3.1.6 MISSION SYSTEMS (AC-130H)										
3.1.6.1 AN/AAQ-26 Infrared Detecting Set TR: Applicable C-130 Technical Order										
3.1.6.1.1 Theory of operation								-	-	-
3.1.6.1.2 Perform operational checks								-	-	-
3.1.6.1.3 Remove and Install Infrared Receiver								-	-	-
3.1.6.1.4 Perform Alignments								-	-	-
3.1.6.1.4.1 IR to LLTV								-	-	-
3.1.6.1.4.2 IR to Hardpoint								-	-	-
3.1.6.1.5 Perform IDS Window Cleaning								-	-	-
3.1.6.1.6 Isolate Malfunction								-	-	-
3.1.6.1.7 Perform Advanced Troubleshooting								-	-	-
3.1.6.2 ANASQ-145 Low Light Level Television (LLLTV) System TR: Applicable C-130 Technical Order										
3.1.6.2.1 Theory of operation								-	-	-
3.1.6.2.2 Perform operational checks										
3.1.6.2.2.1 WTV Camera System Checkout	*							-	-	-
3.1.6.2.2.2 NTV Camera System Checkout	*							-	-	-
3.1.6.2.2.3 Filter/Focus Checkout	*							-	-	-
3.1.6.2.2.4 Camera System Checkout	*							-	-	-
3.1.6.2.2.5 Video System Checkout	*							-	-	-
3.1.6.2.2.6 Laser Illuminator Checkout	*							-	-	-
3.1.6.2.3 Perform tests										
3.1.6.2.3.1 WTV Camera Collimator Test								-	-	-
3.1.6.2.3.2 NTV Camera Collimator Test								-	-	-
3.1.6.2.3.3 Video System Interface Test	*							-	-	-
3.1.6.2.4 Perform Inspections										
3.1.6.2.4.1 Camera Burn Spot Inspection	*							-	-	-
3.1.6.2.5 Remove and Install WTV Camera System	*							-	-	-
3.1.6.2.6 Remove and Install WTV Camera Assembly	*							-	-	-
3.1.6.2.7 Remove and Install Wide Lens	*							-	-	-

SOF C-130 TRAINING REQUIREMENTS										
1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
Assembly										
3.1.6.2.8 Remove and Install NTV Camera System	*							-	-	-
3.1.6.2.9 Remove and Install Narrow Camera System	*							-	-	-
3.1.6.2.10 Remove and Install Narrow Lens Assembly	*							-	-	-
3.1.6.2.11 Remove and Install Wide Filter/Focus Assembly	*							-	-	-
3.1.6.2.12 Remove and Install Narrow Filter/Focus Assembly	*							-	-	-
3.1.6.2.13 Remove and Install Ambient Temperature Illuminator								-	-	-
3.1.6.2.14 Remove and Install TV ECA								-	-	-
3.1.6.2.15 Remove and Install Laser ECA								-	-	-
3.1.6.2.16 Remove and Install Video Switching Unit (VSU)								-	-	-
3.1.6.2.17 Perform WTV/NTV Alignment	*							-	-	-
3.1.6.2.18 Perform ATI Purge								-	-	-
3.1.6.2.19 Isolate Malfunction	*							-	-	-
3.1.6.2.20 Perform Advanced Troubleshooting		*						-	-	-
3.1.6.3 AN/AJQ-24D Stabilized Pedestal Assembly (SPA) TR: Applicable C-130 Technical Order										
3.1.6.3.1 Theory of operation								-	-	-
3.1.6.3.2 Perform operational check	*							-	-	-
3.1.6.3.3 Remove and Install Stabilized Pedestal Assembly	*							-	-	-
3.1.6.3.4 Remove and Install Quartz Rate Servo/5V power supply								-	-	-
3.1.6.3.5 Remove and Install +15V Power Supply								-	-	-
3.1.6.3.6 Remove and Install Servo Electronic Control Assembly								-	-	-
3.1.6.3.7 Remove and Install Cable Assemblies								-	-	-
3.1.6.3.8 Remove and Install Azimuth Pick-off Assembly								-	-	-
3.1.6.3.9 Remove and Install Elevation Pick-off Assembly								-	-	-
3.1.6.3.10 Remove and Install Filter Control Assembly								-	-	-
3.1.6.3.11 Perform Adjustments										
3.1.6.3.11.1 SPA Static Balancing	*							-	-	-
3.1.6.3.11.2 SPA Mechanical Stop								-	-	-
3.1.6.3.11.3 TV Track Handle Drift	*							-	-	-
3.1.6.3.11.4 SPA Cage Position/Solenoid Lock	*							-	-	-
3.1.6.3.11.5 SPA Load Compensation Potentiometer								-	-	-

SOF C-130 TRAINING REQUIREMENTS										
1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
3.1.6.3.11.6 AZ Laser Limit Switch	*							-	-	-
3.1.6.3.11.7 EL Laser Limit Switch	*							-	-	-
3.1.6.3.11.8 Laser Limit								-	-	-
3.1.6.3.12 Isolate Malfunction	*							-	-	-
3.1.6.3.13 Perform Advanced Troubleshooting		*						-	-	-
3.1.6.4 Designator/Range Finder (LTD/RF) TR: Applicable C-130 Technical Order										
3.1.6.4.1 Theory of Operation								-	-	-
3.1.6.4.2 Perform operational check										
3.1.6.4.2.1 LTD/RF								-	-	-
3.1.6.4.2.2 LTD/RF Mission Computer interface								-	-	-
3.1.6.4.2.3 Remove and Install Laser Assembly								-	-	-
3.1.6.4.2.4 Remove and Install Filter Box Assembly								-	-	-
3.1.6.4.2.5 TV-LTD/R Harmonization								-	-	-
3.1.6.4.3 Service								-	-	-
3.1.6.4.4 Isolate Malfunction								-	-	-
3.1.6.4.5 Perform Advanced Troubleshooting								-	-	-
3.1.6.5 IR Pointer TR: Applicable C-130 Technical Order										
3.1.6.5.1 Theory of Operation								-	-	-
3.1.6.5.2 Perform operational check	*							-	-	-
3.1.6.5.3 Remove and install								-	-	-
3.1.6.5.4 Remove and Install IR Pointer Assembly	*							-	-	-
3.1.6.5.5 Isolate Malfunction	*							-	-	-
3.1.6.5.6 Perform Advanced Troubleshooting		*						-	-	-
3.1.6.6 Target Video Down Link (TVDL) TR: Applicable C-130 Technical Order										
3.1.6.6.1 Theory of Operation								-	-	-
3.1.6.6.2 Perform Operational Check								-	-	-
3.1.6.6.3 Isolate malfunctions								-	-	-
3.1.6.6.4 Perform Advanced Troubleshooting								-	-	-
3.1.6.7 Remote Operations Video Enhanced Receiver (ROVER) TR: Applicable C-130 Technical Order										
3.1.6.7.1 Theory of Operation								-	-	-
3.1.6.7.2 Perform Operational Check								-	-	-
3.1.6.7.3 Isolate malfunctions								-	-	-
3.1.6.7.4 Perform Advanced Troubleshooting								-	-	-
3.1.6.8 Aircrew Information/Mapping System (AIMS)										
3.1.6.8.1 Theory of Operation								-	-	-
3.1.6.8.2 Perform Operational Check								-	-	-
3.1.6.8.3 Load Software								-	-	-
3.1.6.8.4 Isolate malfunctions								-	-	-

SOF C-130 TRAINING REQUIREMENTS										
1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
3.1.6.8.5 Perform Advanced Troubleshooting								-	-	-
3.1.7 MISCELLANEOUS (AC-130H)										
3.1.7.1 Indicators and Displays TR: Applicable C-130 Technical Order										
3.1.7.1.1 Remove and Install 9 Monitor	*							-	-	-
3.1.7.1.2 Remove and Install 14 Monitor	*							-	-	-
3.2 AC-130U ON-EQUIPMENT MAINTENANCE										
3.2.1 GENERAL ORGANIZATIONAL MAINTENANCE (AC-130U)										
3.2.1.1 Aircraft Familiarization								-	-	-
3.2.1.2 Major Structure Areas								-	-	-
3.2.1.3 Major Systems								-	-	-
3.2.2 GENERAL MAINTENANCE TASKS (AC-130U)										
3.2.2.1 Technical order familiarization								-	-	-
3.2.2.2 Flightline safety/precautions/security								-	-	-
3.2.2.3 Introduction to aircraft/airframe familiarization								-	-	-
3.2.2.4 Ensure Aircraft is safe for Maintenance	*							-	-	-
3.2.2.5 Inspect/operate portable external electrical power unit								-	-	-
3.2.2.6 Inspect/use ground maintenance stands								-	-	-
3.2.2.7 Dropped object prevention program (DOPP)								-	-	-
3.2.2.8 Statically ground aircraft								-	-	-
3.2.2.9 Apply/disconnect external electrical power	*							-	-	-
3.2.2.10 Apply Cooling Air to Aircraft	*							-	-	-
3.2.2.11 Refuel/Defuel Team Member Duties										
3.2.2.11.1 Refuel/Defuel Supervisor								-	-	-
3.2.2.11.2 SPR Panel operator								-	-	-
3.2.2.11.3 Flight deck fuel panel operator								-	-	-
3.2.2.12 Open and close engine cowling								-	-	-
3.2.2.13 Remove and install aircraft maintenance panels								-	-	-
3.2.2.14 Open and Close Nose Radome	*							-	-	-
3.2.2.15 Open and Close Nose Wheel Door	*							-	-	-
3.2.2.16 Perform aircraft marshaling								-	-	-
3.2.2.17 Tow aircraft										
3.2.2.17.1 Perform Wing/tail walker team duties								-	-	-
3.2.2.17.2 Brake Operator								-	-	-
3.2.2.18 Jack Aircraft										
3.2.2.18.1 Jacking team supervisor								-	-	-
3.2.2.18.2 Jacking team member								-	-	-
3.2.2.19 Operate APU								-	-	-
3.2.3 COMMUNICATIONS SYSTEMS										

SOF C-130 TRAINING REQUIREMENTS										
1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
(AC-130U)										
3.2.3.1 AN/A1C-40 Interphone TR: Applicable C-130 Technical Order										
3.2.3.1.1 Theory of Operation								-	-	-
3.2.3.1.2 Perform operational check	*							-	-	-
3.2.3.1.3 Remove and install Digital Switching Unit (DSU)								-	-	-
3.2.3.1.4 Remove and install Interphone Junction Box Power Filter								-	-	-
3.2.3.1.5 Remove and install INTER/MIC Control Switch	*							-	-	-
3.2.3.1.6 Isolate Malfunction	*							-	-	-
3.2.3.1.7 Perform Advanced Troubleshooting		*						-	-	-
3.2.3.2 AN/ARC-190 HF Communications TR: Applicable C-130 Technical Order										
3.2.3.2.1 Theory of Operation								-	-	-
3.2.3.2.2 Perform operational check	*							-	-	-
3.2.3.2.3 Remove and install Shunt Antenna								-	-	-
3.2.3.2.4 Remove and install Shunt Antenna Coupler and Mount								-	-	-
3.2.3.2.5 Remove and install Probe Antenna								-	-	-
3.2.3.2.6 Remove and install Probe Antenna Lightning Arrestor								-	-	-
3.2.3.2.7 Isolate Malfunction	*							-	-	-
3.2.3.2.8 Perform Advanced Troubleshooting		*						-	-	-
3.2.3.3 Advanced Narrowband Digital Voice Terminal (ANDVT) TR: Applicable C-130 Technical Order										
3.2.3.3.1 Theory of Operation								-	-	-
3.2.3.3.2 Perform operational check	*							-	-	-
3.2.3.3.3 Isolate Malfunction	*							-	-	-
3.2.3.3.4 Perform Advanced Troubleshooting		*						-	-	-
3.2.3.4 AN/ARC-186 VHF Communications and TSEC/KY- 58 Secure Speech TR: Applicable C-130 Technical Order										
3.2.3.4.1 Theory of Operation								-	-	-
3.2.3.4.2 Perform operational check	*							-	-	-
3.2.3.4.3 Isolate Malfunction	*							-	-	-
3.2.3.4.4 Perform Advanced Troubleshooting		*						-	-	-
3.2.3.5 AN/ARC-222 VHF Communications and TSEC/KY- 100 Secure Speech TR: Applicable C-130 Technical Order										
3.2.3.5.1 Theory of Operation								-	-	-
3.2.3.5.2 Perform operational check	*							-	-	-
3.2.3.5.3 Isolate Malfunction	*							-	-	-
3.2.3.5.4 Perform Advanced Troubleshooting		*						-	-	-
3.2.3.6 AN/ARC-164 UHF Communications and										

SOF C-130 TRAINING REQUIREMENTS										
1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
TSEC/KY- 58 Secure Speech TR: Applicable C-130 Technical Order										
3.2.3.6.1 Theory of Operation								-	-	-
3.2.3.6.2 Perform operational check	*							-	-	-
3.2.3.6.3 Isolate Malfunction	*							-	-	-
3.2.3.6.4 Perform Advanced Troubleshooting		*						-	-	-
3.2.3.7 AN/ARC-187 231 Satellite Communications (SATCOM) TR: Applicable C-130 Technical Order										
3.2.3.7.1 Theory of Operation								-	-	-
3.2.3.7.2 Perform operational check	*							-	-	-
3.2.3.7.3 Remove and install High Power Amplifier								-	-	-
3.2.3.7.4 Isolate Malfunction	*							-	-	-
3.2.3.7.5 Perform Advanced Troubleshooting		*						-	-	-
3.2.3.8 Underwater Locator Beacon (ULB) TR: Applicable C-130 Technical Order										
3.2.3.8.1 Theory of Operation								-	-	-
3.2.3.8.2 Perform operational checks								-	-	-
3.2.3.8.3 Isolate Malfunction								-	-	-
3.2.3.9 Model A100 Flight Voice Recorder TR: Applicable C-130 Technical Order										
3.2.3.9.1 Theory of Operation								-	-	-
3.2.3.9.2 Perform operational check	*							-	-	-
3.2.3.9.3 Remove and install Area Microphone								-	-	-
3.2.3.9.4 Isolate Malfunction	*							-	-	-
3.2.3.9.5 Perform Advanced Troubleshooting		*						-	-	-
3.2.4 NAVIGATION SYSTEMS (AC-130U)										
3.2.4.1 AN/APX-100 119 Identification Friend or Foe (IFF) TR: Applicable C-130 Technical Order										
3.2.4.1.1 Theory of Operation								-	-	-
3.2.4.1.2 Perform operational checks	*							-	-	-
3.2.4.1.3 Isolate Malfunction	*							-	-	-
3.2.4.1.4 Perform Advanced Troubleshooting		*						-	-	-
3.2.4.2 AN/ARN-147 VOR/ILS/MB TR: Applicable C-130 Technical Order										
3.2.4.2.1 Theory of Operation								-	-	-
3.2.4.2.2 Perform operational check	*							-	-	-
3.2.4.2.3 Remove and install VOR Antenna								-	-	-
3.2.4.2.4 Remove and install MB Panel								-	-	-
3.2.4.2.5 Isolate Malfunction	*							-	-	-
3.2.4.2.6 Perform Advanced Troubleshooting		*						-	-	-
3.2.4.3 AN/ARN-118 Tactical Air Navigation (TACAN) TR: Applicable C-130 Technical Order										
3.2.4.3.1 Theory of Operation								-	-	-

SOF C-130 TRAINING REQUIREMENTS										
1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
3.2.4.3.2 Perform operational check	*							-	-	-
3.2.4.3.3 Isolate Malfunction	*							-	-	-
3.2.4.3.4 Perform Advanced Troubleshooting		*						-	-	-
3.2.4.4 TACAN/ Multifunction Information Distribution System (MIDS)										
3.2.4.4.1 Theory of Operation								-	-	-
3.2.4.4.2 Perform Operational Check	*							-	-	-
3.2.4.4.3 Isolate malfunctions	*							-	-	-
3.2.4.4.4 Perform Advanced Troubleshooting		*						-	-	-
3.2.4.5 Inertial Navigation System (INS) TR: Applicable C-130 Technical Order										
3.2.4.5.1 Theory of Operation								-	-	-
3.2.4.5.2 Perform operational check	*							-	-	-
3.2.4.5.3 Isolate Malfunction	*							-	-	-
3.2.4.5.4 Perform Advanced Troubleshooting		*						-	-	-
3.2.4.6 AN/ARN-151 Global Positioning System (GPS) TR: Applicable C-130 Technical Order										
3.2.4.6.1 Theory of Operation								-	-	-
3.2.4.6.2 Perform operational check	*							-	-	-
3.2.4.6.3 Remove and install Antenna Controller								-	-	-
3.2.4.6.4 Remove and install Antenna								-	-	-
3.2.4.6.5 Isolate Malfunction	*							-	-	-
3.2.4.6.6 Perform Advanced Troubleshooting		*						-	-	-
3.2.4.7 AN/ARN-149 DF-206A Automatic Direction Finder (ADF) TR: Applicable C-130 Technical Order										
3.2.4.7.1 Theory of Operation								-	-	-
3.2.4.7.2 Perform operational check								-	-	-
3.2.4.7.3 Isolate Malfunction								-	-	-
3.2.4.7.4 Perform Advanced Troubleshooting								-	-	-
3.2.4.8 DF-301E UHF/VHF Direction Finder TR: Applicable C-130 Technical Order										
3.2.4.8.1 Theory of Operation								-	-	-
3.2.4.8.2 Perform operational check								-	-	-
3.2.4.8.3 Isolate Malfunction								-	-	-
3.2.4.8.4 Perform Advanced Troubleshooting								-	-	-
3.2.4.9 AN/APX-116 Low Probability of Intercept (LPI) Radar Transponder Set										
3.2.4.9.1 Theory of Operation								-	-	-
3.2.4.9.2 Perform Operational Check	*							-	-	-
3.2.4.9.3 Remove and install Antenna								-	-	-
3.2.4.9.4 Load Software								-	-	-
3.2.4.9.5 Isolate malfunctions	*							-	-	-
3.2.4.9.6 Perform Advanced Troubleshooting		*						-	-	-
3.2.4.10 Enhanced Traffic Collision Avoidance System (ETCAS) (AN / APN-244)										

SOF C-130 TRAINING REQUIREMENTS										
1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
TR: Applicable C-130 Technical Order										
3.2.4.10.1 Theory of Operation								-	-	-
3.2.4.10.2 Perform operational check	*							-	-	-
3.2.4.10.3 Isolate Malfunctions	*							-	-	-
3.2.4.10.4 Perform Advanced Troubleshooting		*						-	-	-
3.2.5 RADAR SYSTEMS (AC-130U)										
3.2.5.1 AN/APQ-180 Radar TR: Applicable C-130 Technical Order										
3.2.5.1.1 Theory of Operation								-	-	-
3.2.5.1.2 Perform Operational check	*							-	-	-
3.2.5.1.3 Perform Antenna Hydraulic Leak Check	*							-	-	-
3.2.5.1.4 Perform Radar Waveguide Set Pressurization Check	*							-	-	-
3.2.5.1.5 Remove and install Transmitter	*							-	-	-
3.2.5.1.6 Remove and install Antenna	*							-	-	-
3.2.5.1.7 Remove and install Radar Dehydrator								-	-	-
3.2.5.1.8 Remove and install Dehydrator Crystals								-	-	-
3.2.5.1.9 Load and Verify OFP Procedures	*							-	-	-
3.2.5.1.10 Isolate Malfunction	*							-	-	-
3.2.5.1.11 Perform Advanced Troubleshooting		*						-	-	-
3.2.5.2 AN/APN-232 Combined Altitude Radar Altimeter TR: Applicable C-130 Technical Order										
3.2.5.2.1 Theory of Operation								-	-	-
3.2.5.2.2 Perform Operational Check	*							-	-	-
3.2.5.2.3 Adjust Altitude	*							-	-	-
3.2.5.2.4 Isolate Malfunction	*							-	-	-
3.2.5.2.5 Perform Advanced Troubleshooting		*						-	-	-
3.2.5.3 Control Display Unit (CDU) System TR: Applicable C-130 Technical Order										
3.2.5.3.1 Theory of Operation								-	-	-
3.2.5.3.2 Perform operational check	*							-	-	-
3.2.5.3.3 Isolate Malfunction	*							-	-	-
3.2.5.3.4 Perform Advanced Troubleshooting		*						-	-	-
3.2.6 MISSION SYSTEMS (AC-130U)										
3.2.6.1 AN/AAQ-26 Infrared Detecting Set TR: Applicable C-130 Technical Order										
3.2.6.1.1 Theory of Operation								-	-	-
3.2.6.1.2 Perform operational check	*							-	-	-
3.2.6.1.3 Remove and install Infrared Receiver	*							-	-	-
3.2.6.1.4 Perform IDS Window Cleaning	*							-	-	-
3.2.6.1.5 Isolate Malfunction	*							-	-	-
3.2.6.1.6 Perform Advanced Troubleshooting		*						-	-	-
3.2.6.2 AN/AAQ-39 Electro-Optical Target Designator Set										

SOF C-130 TRAINING REQUIREMENTS										
1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
TR: Applicable C-130 Technical Order										
3.2.6.2.1 Theory of Operation								-	-	-
3.2.6.2.2 Perform operational checks	*							-	-	-
3.2.6.2.3 Remove and install Turret	*							-	-	-
3.2.6.2.4 Remove and install AIM								-	-	-
3.2.6.2.5 Remove and install CTEU								-	-	-
3.2.6.2.6 Remove and install TIE								-	-	-
3.2.6.2.7 Remove and install GPS								-	-	-
3.2.6.2.8 Remove and install Desiccant Cartridge	*							-	-	-
3.2.6.2.9 Remove and install Purge Valve								-	-	-
3.2.6.2.10 Perform Nitrogen Purge								-	-	-
3.2.6.2.11 Perform Window Maintenance								-	-	-
3.2.6.2.12 Perform Window Cleaning	*							-	-	-
3.2.6.2.13 Isolate Malfunction	*							-	-	-
3.2.6.2.14 Perform Advanced Troubleshooting		*						-	-	-
3.2.6.3 Digital Video Recorder TR: Applicable C-130 Technical Order										
3.2.6.3.1 Theory of Operation								-	-	-
3.2.6.3.2 Perform operational checks	*							-	-	-
3.2.6.3.3 Isolate Malfunction	*							-	-	-
3.2.6.3.4 Perform Advanced Troubleshooting		*						-	-	-
3.2.6.4 Target Video Down Link (TVDL)										
3.2.6.4.1 Theory of Operation								-	-	-
3.2.6.4.2 Perform Operational Check								-	-	-
3.2.6.4.3 Isolate malfunctions								-	-	-
3.2.6.4.4 Perform Advanced Troubleshooting								-	-	-
3.2.6.5 Remote Operations Video Enhanced Receiver (ROVER) TR: Applicable C-130 Technical Order										
3.2.6.5.1 Theory of Operation								-	-	-
3.2.6.5.2 Perform Operational Check								-	-	-
3.2.6.5.3 Isolate malfunctions								-	-	-
3.2.6.5.4 Perform Advanced Troubleshooting								-	-	-
3.2.6.6 Machine to Machine Situational Awareness (M2MSA) TR: Applicable C-130 Technical Order										
3.2.6.6.1 Theory of Operation								-	-	-
3.2.6.6.2 Perform Operational Check								-	-	-
3.2.6.6.3 Load Software								-	-	-
3.2.6.6.4 Isolate malfunctions								-	-	-
3.2.6.6.5 Perform Advance Troubleshooting								-	-	-
3.2.6.7 Multi-Mission Advanced Tactical Terminal TR: Applicable C-130 Technical Order										
3.2.6.7.1 Theory of Operation								-	-	-
3.2.6.7.2 Perform Operational Check								-	-	-

SOF C-130 TRAINING REQUIREMENTS										
1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
3.2.6.7.3 Isolate malfunctions								-	-	-
3.2.6.7.4 Perform Advanced Troubleshooting								-	-	-
3.3 MC-130E ON-EQUIPMENT MAINTENANCE										
3.3.1 GENERAL ORGANIZATION MAINTENANCE (MC-130E)										
3.3.1.1 Aircraft Familiarization								-	-	-
3.3.1.2 Major Structure Areas								-	-	-
3.3.1.3 Major Systems								-	-	-
3.3.2 GENERAL MAINTENANCE TASKS (MC-130E)										
3.3.2.1 Technical order familiarization								-	-	-
3.3.2.2 Flightline safety/precautions/security								-	-	-
3.3.2.3 Introduction to aircraft/airframe familiarization								-	-	-
3.3.2.4 Ensure Aircraft is safe for maintenance	*							-	-	-
3.3.2.5 Inspect/operate portable external electrical power unit								-	-	-
3.3.2.6 Inspect/use ground maintenance stands								-	-	-
3.3.2.7 Dropped object prevention program (DOPP)								-	-	-
3.3.2.8 Statically ground aircraft								-	-	-
3.3.2.9 Apply/disconnect external electrical power unit	*							-	-	-
3.3.2.10 Perform aircraft wash								-	-	-
3.3.2.11 Refuel/Defuel Team Member Duties										
3.3.2.11.1 Refuel/Defuel supervisor								-	-	-
3.3.2.11.2 SPR Panel operator								-	-	-
3.3.2.11.3 Flight deck fuel panel operator								-	-	-
3.3.2.12 Open and close engine cowling								-	-	-
3.3.2.13 Remove/install aircraft maintenance access panels								-	-	-
3.3.2.14 Open and Close Nose Radome								-	-	-
3.3.2.15 Open and Close Nose Wheel Door								-	-	-
3.3.2.16 Perform aircraft marshalling procedures								-	-	-
3.3.2.17 Perform Phase Inspection								-	-	-
3.3.2.18 Tow Aircraft										
3.3.2.18.1 Perform wing/tail walker duties								-	-	-
3.3.2.18.2 Brake Operator								-	-	-
3.3.2.19 Jack Aircraft										
3.3.2.19.1 Jacking team supervisor								-	-	-
3.3.2.19.2 Jacking Team Member								-	-	-
3.3.2.20 Operate aircraft GTC/ATM								-	-	-
3.3.3 COMMUNICATIONS SYSTEMS (MC-130E)										
3.3.3.1 AN/AIC-18/25 Interphone TR: Applicable C-130 Technical Order										

SOF C-130 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
3.3.3.1.1 Theory of Operation								-	-	-
3.3.3.1.2 Perform operational check	*							-	-	-
3.3.3.1.3 Isolate Malfunction	*							-	-	-
3.3.3.1.4 Perform Advanced Troubleshooting		*						-	-	-
3.3.3.1.5 Perform Phase Inspection								-	-	-
3.3.3.2 AN/ARC-190 HF Communication TR: Applicable C-130 Technical Order										
3.3.3.2.1 Theory of Operation								-	-	-
3.3.3.2.2 Perform operational check	*							-	-	-
3.3.3.2.3 Remove and install Antenna Mast/Lightning Arrestor								-	-	-
3.3.3.2.4 Remove and install External Wire Antenna	*							-	-	-
3.3.3.2.5 Isolate Malfunction	*							-	-	-
3.3.3.2.6 Perform Advanced Troubleshooting		*						-	-	-
3.3.3.3 Advanced Narrowband Digital Voice Terminal (ANDVT) TR: Applicable C-130 Technical Order										
3.3.3.3.1 Theory of Operation								-	-	-
3.3.3.3.2 Perform operational check	*							-	-	-
3.3.3.3.3 Isolate Malfunction	*							-	-	-
3.3.3.3.4 Perform Advanced Troubleshooting		*						-	-	-
3.3.3.4 AN/ARC-222 VHF Communications TR: Applicable C-130 Technical Order										
3.3.3.4.1 Theory of Operation								-	-	-
3.3.3.4.2 Perform operational check	*							-	-	-
3.3.3.4.3 Isolate Malfunction	*							-	-	-
3.3.3.4.4 Perform Advanced Troubleshooting		*						-	-	-
3.3.3.5 AN/ARC-164 UHF Communications TR: Applicable C-130 Technical Order										
3.3.3.5.1 Theory of Operation								-	-	-
3.3.3.5.2 Perform operational check	*							-	-	-
3.3.3.5.3 Isolate Malfunction	*							-	-	-
3.3.3.5.4 Perform Advanced Troubleshooting		*						-	-	-
3.3.3.6 TSEC/KY-58 UHF/VHF Secure Speech TR: Applicable C-130 Technical Order										
3.3.3.6.1 Theory of Operation								-	-	-
3.3.3.6.2 Perform operational check	*							-	-	-
3.3.3.6.3 Isolate Malfunction	*							-	-	-
3.3.3.6.4 Perform Advanced Troubleshooting		*						-	-	-
3.3.3.7 TSEC/KY-100 UHF/VHF Secure Speech TR: Applicable C-130 Technical Order										
3.3.3.7.1 Theory of Operation								-	-	-
3.3.3.7.2 Perform operational check	*							-	-	-
3.3.3.7.3 Isolate Malfunction	*							-	-	-
3.3.3.7.4 Perform Advanced Troubleshooting		*						-	-	-
3.3.3.8 AN/ARC-187 Satellite Communications										

SOF C-130 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
(SATCOM) TR: Applicable C-130 Technical Order										
3.3.3.8.1 Theory of Operation								-	-	-
3.3.3.8.2 Perform operational check	*							-	-	-
3.3.3.8.3 Isolate Malfunction	*							-	-	-
3.3.3.8.4 Perform Advanced Troubleshooting		*						-	-	-
3.3.3.9 AN/AIC-13 Public Address System TR: Applicable C-130 Technical Order										
3.3.3.9.1 Theory of Operation								-	-	-
3.3.3.9.2 Perform operational check								-	-	-
3.3.3.9.3 Isolate Malfunction								-	-	-
3.3.3.9.4 Perform Advanced Troubleshooting								-	-	-
3.3.3.10 Underwater Locator Beacon (ULB) TR: Applicable C-130 Technical Order										
3.3.3.10.1 Theory of Operation								-	-	-
3.3.3.10.2 Perform operational checks								-	-	-
3.3.3.10.3 Isolate Malfunction								-	-	-
3.3.3.11 Model A100 Flight Voice Recorder TR: Applicable C-130 Technical Order										
3.3.3.11.1 Theory of Operation								-	-	-
3.3.3.11.2 Perform operational check	*							-	-	-
3.3.3.11.3 Remove and install Microphone								-	-	-
3.3.3.11.4 Isolate Malfunction	*							-	-	-
3.3.3.11.5 Perform Advanced Troubleshooting		*						-	-	-
3.3.4 NAVIGATION SYSTEMS (MC-130E)										
3.3.4.1 AN/APX-72 Identification Friend or Foe (IFF) TR: Applicable C-130 Technical Order										
3.3.4.1.1 Theory of Operation								-	-	-
3.3.4.1.2 Perform operational check	*							-	-	-
3.3.4.1.3 Isolate Malfunction	*							-	-	-
3.3.4.1.4 Perform Advanced Troubleshooting		*						-	-	-
3.3.4.2 AN/ARN-147 VOR/ILS/MB TR: Applicable C-130 Technical Order										
3.3.4.2.1 Theory of Operation								-	-	-
3.3.4.2.2 Perform operational check	*							-	-	-
3.3.4.2.3 Remove and install VOR Antenna								-	-	-
3.3.4.2.4 Isolate Malfunction	*							-	-	-
3.3.4.2.5 Perform Advanced Troubleshooting		*						-	-	-
3.3.4.3 AN/ARN-118 Tactical Air Navigation TR: Applicable C-130 Technical Order										
3.3.4.3.1 Theory of Operation								-	-	-
3.3.4.3.2 Perform operational check	*							-	-	-
3.3.4.3.3 Isolate Malfunction	*							-	-	-
3.3.4.3.4 Perform Advanced Troubleshooting		*						-	-	-
3.3.4.4 AN/ARN-151 Global Positioning System (GPS)										

SOF C-130 TRAINING REQUIREMENTS										
1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
TR: Applicable C-130 Technical Order										
3.3.4.4.1 Theory of Operation								-	-	-
3.3.4.4.2 Perform operational check	*							-	-	-
3.3.4.4.3 Remove and install Antenna								-	-	-
3.3.4.4.4 Remove and install Antenna Controller								-	-	-
3.3.4.4.5 Isolate Malfunction	*							-	-	-
3.3.4.4.6 Perform Advanced Troubleshooting		*						-	-	-
3.3.4.5 AN/ARA-25 UHF Direction Finder TR: Applicable C-130 Technical Order										
3.3.4.5.1 Theory of Operation								-	-	-
3.3.4.5.2 Perform operational check								-	-	-
3.3.4.5.3 Remove and install Antenna								-	-	-
3.3.4.5.4 Isolate Malfunction								-	-	-
3.3.4.5.5 Perform Advanced Troubleshooting								-	-	-
3.3.4.6 AN/ARN-6 Radio Compass (ADF) TR: Applicable C-130 Technical Order										
3.3.4.6.1 Theory of Operation								-	-	-
3.3.4.6.2 Perform operational check								-	-	-
3.3.4.6.3 Remove and install Receiver								-	-	-
3.3.4.6.4 Remove and install Tuning-Drive Motor								-	-	-
3.3.4.6.5 Isolate Malfunction								-	-	-
3.3.4.6.6 Perform Advanced Troubleshooting								-	-	-
3.3.4.7 AN/APN-218 Doppler Navigation System TR: Applicable C-130 Technical Order										
3.3.4.7.1 Theory of Operation								-	-	-
3.3.4.7.2 Perform operational check	*							-	-	-
3.3.4.7.3 Remove and install Doppler Velocity Sensor DVS								-	-	-
3.3.4.7.4 Remove and install Dehydrator								-	-	-
3.3.4.7.5 Isolate Malfunction	*							-	-	-
3.3.4.7.6 Perform Advanced Troubleshooting		*						-	-	-
3.3.4.8 AN/APX-116 Low Probability of Intercept (LPI) Radar Transponder Set										
3.3.4.8.1 Theory of Operation								-	-	-
3.3.4.8.2 Perform Operational Check	*							-	-	-
3.3.4.8.3 Remove and install Antenna								-	-	-
3.3.4.8.4 Load Software								-	-	-
3.3.4.8.5 Isolate malfunctions								-	-	-
3.3.4.8.6 Perform Advanced Troubleshooting								-	-	-
3.3.5 RADAR SYSTEMS (MC-130E)										
3.3.5.1 AN/APQ-122 Multimode Radar System TR: Applicable C-130 Technical Order										
3.3.5.1.1 Theory of Operation								-	-	-
3.3.5.1.2 Perform operational check								-	-	-

SOF C-130 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
3.3.5.1.3 Operational Check of X-Band Ground Mapping	*							-	-	-
3.3.5.1.4 Operational Check of Ka-Band Ground Mapping	*							-	-	-
3.3.5.1.5 Operational Check of TF/TA/CS	*							-	-	-
3.3.5.1.6 Remove and install X Band Receiver/Transmitter								-	-	-
3.3.5.1.7 Remove and install KA Band Receiver/Transmitter								-	-	-
3.3.5.1.8 Remove and install TF Receiver								-	-	-
3.3.5.1.9 Remove and install TF Antenna								-	-	-
3.3.5.1.10 Remove and install X/Ka Band Antenna								-	-	-
3.3.5.1.11 Perform Boresight								-	-	-
3.3.5.1.12 Perform Functional Check Flight (FCF)								-	-	-
3.3.5.1.13 Isolate Malfunction	*							-	-	-
3.3.5.1.14 Perform Advanced Troubleshooting		*						-	-	-
3.3.5.2 AN/ASQ-14 Radar Pressurization Systems TR: Applicable C-130 Technical Order										
3.3.5.2.1 Theory of Operation								-	-	-
3.3.5.2.2 Perform operational check	*							-	-	-
3.3.5.2.3 Remove and install Air Compressor								-	-	-
3.3.5.2.4 Remove and install Pressure Switch	*							-	-	-
3.3.5.2.5 Remove and install Dehydrator/Desiccant								-	-	-
3.3.5.2.6 Isolate Malfunction	*							-	-	-
3.3.5.2.7 Perform Advanced Troubleshooting		*						-	-	-
3.3.5.3 Radar Cooling Air System TR: Applicable C-130 Technical Order										
3.3.5.3.1 Theory of Operation								-	-	-
3.3.5.3.2 Perform operational check	*							-	-	-
3.3.5.3.3 Remove and install Radar Cooling/Air Fail Light Panel								-	-	-
3.3.5.3.4 Remove and install Blower Assembly								-	-	-
3.3.5.3.5 Remove and install Air Shutoff Valves								-	-	-
3.3.5.3.6 Remove and install Pressure Switches								-	-	-
3.3.5.3.7 Remove and install Filters								-	-	-
3.3.5.3.8 Isolate Malfunction	*							-	-	-
3.3.5.3.9 Perform Advanced Troubleshooting		*						-	-	-
3.3.5.4 AN/APN-171 Radar Altimeter TR: Applicable C-130 Technical Order										
3.3.5.4.1 Theory of Operation								-	-	-
3.3.5.4.2 Perform operational check	*							-	-	-
3.3.5.4.3 Adjust Altitude	*							-	-	-
3.3.5.4.4 Isolate Malfunction	*							-	-	-

SOF C-130 TRAINING REQUIREMENTS										
1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
3.3.5.4.5 Perform Advanced Troubleshooting		*						-	-	-
3.3.5.5 AN/APN-232 Combined Altitude Radar Altimeter										
3.3.5.5.1 Theory of Operation								-	-	-
3.3.5.5.2 Perform Operational Check	*							-	-	-
3.3.5.5.3 Adjust Altitude	*							-	-	-
3.3.5.5.4 Isolate Malfunction	*							-	-	-
3.3.5.5.5 Perform Advanced Troubleshooting		*						-	-	-
3.3.6 MISSION SYSTEMS (MC-130E)										
3.3.6.1 AAQ-18 Forward Looking Infrared System TR: Applicable C-130 Technical Order										
3.3.6.1.1 Theory of Operation								-	-	-
3.3.6.1.2 Perform Operational check	*							-	-	-
3.3.6.1.3 Perform Extend/Retract Checkout	*							-	-	-
3.3.6.1.4 Perform Alarm and Warning Checkout	*							-	-	-
3.3.6.1.5 Perform No Alarm Checkout								-	-	-
3.3.6.1.6 Remove and install Receiver								-	-	-
3.3.6.1.7 Remove and install Mount Base								-	-	-
3.3.6.1.8 Remove and install Monitor Panel								-	-	-
3.3.6.1.9 Remove and install Extend/Retract Actuator (Ballscrew)								-	-	-
3.3.6.1.10 Remove and install Pneumatic Panel Components								-	-	-
3.3.6.1.11 Remove and install Pneumatic Door Actuator								-	-	-
3.3.6.1.12 Remove and install Closeout Panel								-	-	-
3.3.6.1.13 Adjust Cable Tension, Door Actuator								-	-	-
3.3.6.1.14 Perform Slave Synchro Adjustment								-	-	-
3.3.6.1.15 Service Ballscrew Actuator								-	-	-
3.3.6.1.16 Isolate Malfunction	*							-	-	-
3.3.6.1.17 Perform Advanced Troubleshooting		*						-	-	-
3.3.6.2 Pneumatic System										
3.3.6.2.1 Adjust Pressure								-	-	-
3.3.6.2.2 Adjust Door Opening Speed								-	-	-
3.3.6.2.3 Clean/Replace Pneumatic Panel Filter								-	-	-
3.3.6.2.4 Drain Pneumatic Panel Filter								-	-	-
3.3.6.2.5 Isolate Malfunction								-	-	-
3.3.6.2.6 Perform Advanced Troubleshooting								-	-	-
3.4 MC-130H ON-EQUIPMENT MAINTENANCE										
3.4.1 GENERAL ORGANIZATIONAL MAINTENANCE (MC-130H)										
3.4.1.1 Aircraft Familiarization								-	-	-
3.4.1.2 Major Structure Areas								-	-	-
3.4.1.3 Major Systems								-	-	-

SOF C-130 TRAINING REQUIREMENTS										
1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
3.4.2 GENERAL MAINTENANCE TASKS (MC-130H)										
3.4.2.1 Technical order familiarization								-	-	-
3.4.2.2 Flightline safety/precautions/ security								-	-	-
3.4.2.3 Introduction to aircraft/airframe familiarization								-	-	-
3.4.2.4 Ensure Aircraft is safe for Maintenance	*							-	-	-
3.4.2.5 Dropped object prevention program (DOPP)								-	-	-
3.4.2.6 Apply/disconnect external electrical power	*							-	-	-
3.4.2.7 Apply Cooling Air to aircraft								-	-	-
3.4.2.8 Refuel/defuel Aircraft										
3.4.2.8.1 Refuel/Defuel supervisor								-	-	-
3.4.2.8.2 SPR Panel Operator								-	-	-
3.4.2.8.3 Flight Deck Fuel Panel Operator								-	-	-
3.4.2.9 Remove and install (R and I) aircraft maintenance access panels								-	-	-
3.4.2.10 Open and Close Nose Wheel Door	*							-	-	-
3.4.2.11 Open and Close Nose Radome	*							-	-	-
3.4.2.12 Perform aircraft marshaling procedures								-	-	-
3.4.2.13 Tow Aircraft										
3.4.2.13.1 Perform wing/tail walker duties								-	-	-
3.4.2.13.2 Brake Operator								-	-	-
3.4.2.13.3 Jacking team member								-	-	-
3.4.3 COMMUNICATIONS SYSTEMS (MC-130H)										
3.4.3.1 AN/AIC-30 Interphone TR: Applicable C-130 Technical Order										
3.4.3.1.1 Theory of Operation								-	-	-
3.4.3.1.2 Perform operational check	*							-	-	-
3.4.3.1.3 Remove and Install Control Wheel ICS/RAD Switch	*							-	-	-
3.4.3.1.4 Remove and Install Control Wheel CALL Switch	*							-	-	-
3.4.3.1.5 Remove and Install Interphone Junction Box								-	-	-
3.4.3.1.6 Isolate Malfunction	*							-	-	-
3.4.3.1.7 Perform Advanced Troubleshooting		*						-	-	-
3.4.3.2 AN/ARC-190 HF Communications TR: Applicable C-130 Technical Order										
3.4.3.2.1 Theory of Operation								-	-	-
3.4.3.2.2 Perform operational checks	*							-	-	-
3.4.3.2.3 Remove and Install Antenna Coupler	*							-	-	-
3.4.3.2.4 Isolate Malfunction	*							-	-	-
3.4.3.2.5 Perform Advanced Troubleshooting		*						-	-	-
3.4.3.3 Advanced Narrowband Digital Voice										

SOF C-130 TRAINING REQUIREMENTS										
1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
Terminal (ANDVT) TR: Applicable C-130 Technical Order										
3.4.3.3.1 Theory of Operation								-	-	-
3.4.3.3.2 Perform operational check	*							-	-	-
3.4.3.3.3 Isolate Malfunction	*							-	-	-
3.4.3.3.4 Perform Advanced Troubleshooting		*						-	-	-
3.4.3.4 AN/ARC-222 VHF Communications TR: Applicable C-130 Technical Order										
3.4.3.4.1 Theory of Operation								-	-	-
3.4.3.4.2 Perform operational check	*							-	-	-
3.4.3.4.3 Isolate Malfunction	*							-	-	-
3.4.3.4.4 Perform Advanced Troubleshooting		*						-	-	-
3.4.3.5 AN/ARC-164 UHF Communications TR: Applicable C-130 Technical Order										
3.4.3.5.1 Theory of Operation								-	-	-
3.4.3.5.2 Perform operational check	*							-	-	-
3.4.3.5.3 Isolate Malfunction	*							-	-	-
3.4.3.5.4 Perform Advanced Troubleshooting		*						-	-	-
3.4.3.6 TSEC/KY-58 UHF/VHF Secure Speech TR: Applicable C-130 Technical Order										
3.4.3.6.1 Theory of Operation								-	-	-
3.4.3.6.2 Perform operational check	*							-	-	-
3.4.3.6.3 Isolate Malfunction	*							-	-	-
3.4.3.6.4 Perform Advanced Troubleshooting		*						-	-	-
3.4.3.7 TSEC/KY-100 UHF/VHF Secure Speech TR: Applicable C-130 Technical Order										
3.4.3.7.1 Theory of Operation								-	-	-
3.4.3.7.2 Perform operational check	*							-	-	-
3.4.3.7.3 Isolate Malfunction	*							-	-	-
3.4.3.7.4 Perform Advanced Troubleshooting		*						-	-	-
3.4.3.8 AN/ARC-187 Satellite Communications TR: Applicable C-130 Technical Order										
3.4.3.8.1 Theory of Operation								-	-	-
3.4.3.8.2 Perform operational check	*							-	-	-
3.4.3.8.3 Isolate Malfunction	*							-	-	-
3.4.3.8.4 Perform Advanced Troubleshooting		*						-	-	-
3.4.3.9 Digital Data System TR: Applicable C-130 Technical Order										
3.4.3.9.1 Theory of Operation								-	-	-
3.4.3.9.2 Perform operational check								-	-	-
3.4.3.9.3 Isolate Malfunction								-	-	-
3.4.3.9.4 Perform Advanced Troubleshooting								-	-	-
3.4.3.10 AN/A1C-13 Public Address System TR: Applicable C-130 Technical Order										
3.4.3.10.1 Theory of Operation								-	-	-
3.4.3.10.2 Perform operational check								-	-	-

SOF C-130 TRAINING REQUIREMENTS										
1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
3.4.3.10.3 Isolate Malfunction								-	-	-
3.4.3.10.4 Perform Advanced Troubleshooting								-	-	-
3.4.3.11 Model A100 Flight Voice Recorder TR: Applicable C-130 Technical Order										
3.4.3.11.1 Theory of Operation								-	-	-
3.4.3.11.2 Perform operational check	*							-	-	-
3.4.3.11.3 Remove and Install Microphone								-	-	-
3.4.3.11.4 Isolate Malfunction	*							-	-	-
3.4.3.11.5 Perform Advanced Troubleshooting		*						-	-	-
3.4.3.12 Underwater Locator Beacon (ULB) TR: Applicable C-130 Technical Order										
3.4.3.12.1 Theory of Operation								-	-	-
3.4.3.12.2 Perform operational check								-	-	-
3.4.3.12.3 Isolate Malfunction								-	-	-
3.4.3.12.4 Emergency Locator Transmitters								-	-	-
3.4.3.12.5 Theory of Operation								-	-	-
3.4.3.12.6 Perform operational check	*							-	-	-
3.4.3.12.7 Isolate Malfunction	*							-	-	-
3.4.3.12.8 Perform Advanced Troubleshooting		*						-	-	-
3.4.4 NAVIGATION SYSTEMS (MC-130H)										
3.4.4.1 AN/APX-119 Identify Friend or Foe (IFF) TR: Applicable C-130 Technical Order										
3.4.4.1.1 Theory of Operation								-	-	-
3.4.4.1.2 Perform operational check	*							-	-	-
3.4.4.1.3 Isolate Malfunction	*							-	-	-
3.4.4.1.4 Perform Advanced Troubleshooting		*						-	-	-
3.4.4.2 AN/ARN-147 VOR/ILS/MB TR: Applicable C-130 Technical Order										
3.4.4.2.1 Theory of Operation								-	-	-
3.4.4.2.2 Perform operational check	*							-	-	-
3.4.4.2.3 Isolate Malfunction	*							-	-	-
3.4.4.2.4 Perform Advanced Troubleshooting		*						-	-	-
3.4.4.3 AN/ARN-118 Tactical Air Navigation (TACAN) TR: Applicable C-130 Technical Order										
3.4.4.3.1 Theory of Operation								-	-	-
3.4.4.3.2 Perform operational check	*							-	-	-
3.4.4.3.3 Isolate Malfunction	*							-	-	-
3.4.4.3.4 Perform Advanced Troubleshooting		*						-	-	-
3.4.4.4 Inertial Navigation System (INS) TR: Applicable C-130 Technical Order										
3.4.4.4.1 Theory of Operation								-	-	-
3.4.4.4.2 Align INU	*							-	-	-
3.4.4.5 AN/ARN-151 Global Positioning System (GPS) TR: Applicable C-130 Technical Order										

SOF C-130 TRAINING REQUIREMENTS										
1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
3.4.4.5.1 Theory of Operation								-	-	-
3.4.4.5.2 Perform operational checks	*							-	-	-
3.4.4.5.3 Remove and Install Antenna								-	-	-
3.4.4.5.4 Remove and Install Antenna Controller								-	-	-
3.4.4.5.5 Isolate Malfunction	*							-	-	-
3.4.4.5.6 Perform Advanced Troubleshooting		*						-	-	-
3.4.4.6 DF-206A Low Frequency Automatic Direction Finder System TR: Applicable C-130 Technical Order										
3.4.4.6.1 Theory of Operation								-	-	-
3.4.4.6.2 Perform operational check								-	-	-
3.4.4.6.3 Isolate Malfunction								-	-	-
3.4.4.6.4 Perform Advanced Troubleshooting								-	-	-
3.4.4.7 OA-6897 UHF/VHF Automatic Direction Finder TR: Applicable C-130 Technical Order										
3.4.4.7.1 Theory of Operation								-	-	-
3.4.4.7.2 Perform operational check								-	-	-
3.4.4.7.3 Isolate Malfunction								-	-	-
3.4.4.7.4 Perform Advanced Troubleshooting								-	-	-
3.4.4.8 AN/APX-116 Low Probability of Intercept (LPI) Radar Transponder Set										
3.4.4.8.1 Theory of Operation								-	-	-
3.4.4.8.2 Perform Operational Check								-	-	-
3.4.4.8.3 Remove and install Antenna								-	-	-
3.4.4.8.4 Remove and Install Receiver Transmitter								-	-	-
3.4.4.8.5 Load Software								-	-	-
3.4.4.8.6 Isolate malfunctions								-	-	-
3.4.4.8.7 Perform Advanced Troubleshooting								-	-	-
3.4.4.9 Enhanced Traffic Collision Avoidance System (ETCAS) (AN / APN-244) TR: Applicable C-130 Technical Order										
3.4.4.9.1 Theory of Operation								-	-	-
3.4.4.9.2 Perform operational check	*							-	-	-
3.4.4.9.3 Isolate Malfunctions	*							-	-	-
3.4.4.9.4 Perform Advanced Troubleshooting		*						-	-	-
3.4.5 RADAR SYSTEMS (MC-130H)										
3.4.5.1 AN/APQ-170 Radar System TR: Applicable C-130 Technical Order										
3.4.5.1.1 Theory of Operation								-	-	-
3.4.5.1.2 Perform operational check	*							-	-	-
3.4.5.1.3 Remove and Install X-Band Signal Data Converter (SDC)	*							-	-	-
3.4.5.1.4 Remove and Install X-Band SDC Mount								-	-	-
3.4.5.1.5 Remove and Install Ku-Band Signal	*							-	-	-

SOF C-130 TRAINING REQUIREMENTS										
1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
Data Converter (SDC)										
3.4.5.1.6 Remove and Install Ku-Band SDC Mount								-	-	-
3.4.5.1.7 Remove and Install WOW Override Switch Panel								-	-	-
3.4.5.1.8 Remove and Install Signal Processor Computer (SPC)	*							-	-	-
3.4.5.1.9 Remove and Install SPC Mount								-	-	-
3.4.5.1.10 Remove and Install RADAR/IDS Maintenance Switch Remove and Install Panel								-	-	-
3.4.5.1.11 Remove and Install X-Band Antenna	*							-	-	-
3.4.5.1.12 Remove and Install X-Band Receiver/Transmitter	*							-	-	-
3.4.5.1.13 Remove and Install Power Supply	*							-	-	-
3.4.5.1.14 Remove and Install Power Supply Mount								-	-	-
3.4.5.1.15 Remove and Install Ku-Band Receiver/Transmitter	*							-	-	-
3.4.5.1.16 Remove and Install Ku-Band Antenna	*							-	-	-
3.4.5.1.17 Remove and Install Radar Waveguides								-	-	-
3.4.5.1.18 Remove and Install X-Band Dummy Load								-	-	-
3.4.5.1.19 Remove and Install Ku-Band Dummy Load								-	-	-
3.4.5.1.20 Remove and Install X-Band Receiver/Transmitter Desiccators								-	-	-
3.4.5.1.21 Remove and Install Ku-Band Receiver/ Transmitter Desiccators								-	-	-
3.4.5.1.22 Perform Boresight	*							-	-	-
3.4.5.1.23 Use Radar Maintenance Crane								-	-	-
3.4.5.1.24 Set Up Radar Maintenance Crane	*							-	-	-
3.4.5.1.25 Breakdown Radar Maintenance Crane	*							-	-	-
3.4.5.1.26 Inspect Radar Maintenance Crane	*							-	-	-
3.4.5.1.27 Isolate Malfunction	*							-	-	-
3.4.5.1.28 Perform Advanced Troubleshooting		*						-	-	-
3.4.5.2 Waveguide Pressurization TR: Applicable C-130 Technical Order										
3.4.5.2.1 Theory of Operation								-	-	-
3.4.5.2.2 Perform operational check	*							-	-	-
3.4.5.2.3 Remove and Install Air Compressor								-	-	-
3.4.5.2.4 Remove and Install Pressure Switch								-	-	-
3.4.5.2.5 Remove and Install Pressure Tank								-	-	-
3.4.5.2.6 Remove and Install Solenoid Bleed Valves								-	-	-
3.4.5.2.7 Remove and Install Shutoff Valves								-	-	-

SOF C-130 TRAINING REQUIREMENTS										
1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
3.4.5.2.8 Isolate Malfunction	*							-	-	-
3.4.5.2.9 Perform Advanced Troubleshooting		*						-	-	-
3.4.5.3 AN/APN-232 Combined Altitude Radar Altimeter (CARA) TR: Applicable C-130 Technical Order										
3.4.5.3.1 Theory of Operation								-	-	-
3.4.5.3.2 Perform operational check	*							-	-	-
3.4.5.3.3 Perform Adjust Altitude	*							-	-	-
3.4.5.3.4 Isolate Malfunction	*							-	-	-
3.4.5.3.5 Perform Advanced Troubleshooting		*						-	-	-
3.4.5.4 CN-1605A Interference Blanking Unit TR: Applicable C-130 Technical Order										
3.4.5.4.1 Theory of Operation								-	-	-
3.4.5.4.2 Perform operational checks								-	-	-
3.4.5.4.3 Isolate Malfunction								-	-	-
3.4.5.4.4 Perform Advanced Troubleshooting								-	-	-
3.4.6 MISSION SYSTEMS (MC-130H)										
3.4.6.1 AN/AAQ-38 Infrared Detecting Set TR: Applicable C-130 Technical Order										
3.4.6.1.1 Theory of Operation								-	-	-
3.4.6.1.2 Perform operational check	*							-	-	-
3.4.6.1.3 Remove and Install Receiver	*							-	-	-
3.4.6.1.4 Inspect External Desiccant	*							-	-	-
3.4.6.1.5 Perform Boresight	*							-	-	-
3.4.6.1.6 Perform Purge	*							-	-	-
3.4.6.1.7 Perform Window Cleaning	*							-	-	-
3.4.6.1.8 Isolate Malfunction	*							-	-	-
3.4.6.1.9 Perform Advanced Troubleshooting		*						-	-	-
3.4.6.2 Airborne Video Cassette Recorder System (AVCRS) TR: Applicable C-130 Technical Order										
3.4.6.2.1 Theory of Operation								-	-	-
3.4.6.2.2 Perform operational check								-	-	-
3.4.6.2.3 Isolate Malfunction								-	-	-
3.4.6.2.4 Perform Advanced Troubleshooting								-	-	-
3.4.6.3 Sentinel CSS-100										
3.4.6.3.1 Theory of Operation								-	-	-
3.4.6.3.2 Remove and Install Equipment rack								-	-	-
3.4.6.3.3 Remove and Install Satcom/GPS Antenna								-	-	-
3.4.6.3.4 Remove and Install Omni Antenna								-	-	-
3.4.6.3.5 Remove and Install Satcom PreAmp								-	-	-
3.4.6.3.6 Remove and Install Omni/DF Antenna								-	-	-
3.5 MC-130P ON-EQUIPMENT MAINTENANCE										
3.5.1 GENERAL ORGANIZATIONAL										

SOF C-130 TRAINING REQUIREMENTS										
1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
MAINTENANCE (MC-130P)										
3.5.1.1 Aircraft Familiarization								-	-	-
3.5.1.2 Major Structure Areas								-	-	-
3.5.1.3 Major Systems								-	-	-
3.5.2 GENERAL MAINTENANCE TASKS (MC-130P)										
3.5.2.1 Technical order familiarization								-	-	-
3.5.2.2 Introduction to aircraft/airframe familiarization								-	-	-
3.5.2.3 Ensure Aircraft is safe for Maintenance	*							-	-	-
3.5.2.4 Inspect/operate portable external electrical power unit								-	-	-
3.5.2.5 Inspect/use ground maintenance stands								-	-	-
3.5.2.6 Dropped object prevention program (DOPP)								-	-	-
3.5.2.7 Statically ground aircraft								-	-	-
3.5.2.8 Apply/disconnect external electrical power	*							-	-	-
3.5.2.9 Perform ISO inspection								-	-	-
3.5.2.10 Refuel/defuel Aircraft										
3.5.2.10.1 Refuel/Defuel Supervisor								-	-	-
3.5.2.10.2 SPR Panel Operator								-	-	-
3.5.2.10.3 Flight deck fuel panel operator								-	-	-
3.5.2.11 Open and close engine cowling								-	-	-
3.5.2.12 Remove and install (R and I) aircraft maintenance access panels								-	-	-
3.5.2.13 Open and Close Nose Radome	*							-	-	-
3.5.2.14 Open and Close Nose Wheel Door	*							-	-	-
3.5.2.15 Perform aircraft marshaling procedures								-	-	-
3.5.2.16 Tow Aircraft										
3.5.2.16.1 Perform wing/tail walker duties								-	-	-
3.5.2.16.2 Brake Operator								-	-	-
3.5.2.17 Jack Aircraft										
3.5.2.17.1 Jacking supervisor								-	-	-
3.5.2.17.2 Jacking team member								-	-	-
3.5.2.18 Operate aircraft GTC										
3.5.3 COMMUNICATIONS SYSTEMS (MC-130P)										
3.5.3.1 AN/AIC-18/AIC-25 Interphone TR: Applicable C-130 Technical Order										
3.5.3.1.1 Theory of Operation								-	-	-
3.5.3.1.2 Perform operational check	*							-	-	-
3.5.3.1.3 Remove and Install INTER/MIC Control Switch	*							-	-	-
3.5.3.1.4 Isolate Malfunction	*							-	-	-
3.5.3.1.5 Perform Advanced Troubleshooting		*						-	-	-
3.5.3.2 AN/ARC-190 HF Communications										

SOF C-130 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
TR: Applicable C-130 Technical Order										
3.5.3.2.1 Theory of Operation								-	-	-
3.5.3.2.2 Perform operational check	*							-	-	-
3.5.3.2.3 Remove and Install Antenna Coupler	*							-	-	-
3.5.3.2.4 Remove and Install Antenna Mast/Lighting Arrestor								-	-	-
3.5.3.2.5 Remove and Install External Wire Antenna								-	-	-
3.5.3.2.6 Isolate Malfunction	*							-	-	-
3.5.3.2.7 Perform Advanced Troubleshooting		*						-	-	-
3.5.3.3 Advanced Narrowband Digital Voice Terminal (ANDVT) TR: Applicable C-130 Technical Order										
3.5.3.3.1 Theory of Operation								-	-	-
3.5.3.3.2 Perform operational check	*							-	-	-
3.5.3.3.3 Isolate Malfunction	*							-	-	-
3.5.3.3.4 Perform Advanced Troubleshooting		*						-	-	-
3.5.3.4 AN/ARC-186 VHF Communications TR: Applicable C-130 Technical Order										
3.5.3.4.1 Theory of Operation								-	-	-
3.5.3.4.2 Perform operational check	*							-	-	-
3.5.3.4.3 Isolate Malfunction	*							-	-	-
3.5.3.4.4 Perform Advanced Troubleshooting		*						-	-	-
3.5.3.5 AN/ARC-222 VHF Communications TR: Applicable C-130 Technical Order										
3.5.3.5.1 Theory of Operation								-	-	-
3.5.3.5.2 Perform operational check	*							-	-	-
3.5.3.5.3 Isolate Malfunction								-	-	-
3.5.3.5.4 Perform Advanced Troubleshooting								-	-	-
3.5.3.6 AN/ARC-164 UHF Communications TR: Applicable C-130 Technical Order										
3.5.3.6.1 Theory of Operation								-	-	-
3.5.3.6.2 Perform operational check	*							-	-	-
3.5.3.6.3 Isolate Malfunction	*							-	-	-
3.5.3.6.4 Perform Advanced Troubleshooting		*						-	-	-
3.5.3.7 TSEC/KY-58 UHF/VHF Secure Speech TR: Applicable C-130 Technical Order										
3.5.3.7.1 Theory of Operation								-	-	-
3.5.3.7.2 Perform operational check	*							-	-	-
3.5.3.7.3 Isolate Malfunction	*							-	-	-
3.5.3.7.4 Perform Advanced Troubleshooting		*						-	-	-
3.5.3.8 TSEC/KY-100 UHF/VHF Secure Speech TR: Applicable C-130 Technical Order										
3.5.3.8.1 Theory of Operation								-	-	-
3.5.3.8.2 Perform operational check	*							-	-	-
3.5.3.8.3 Isolate Malfunction	*							-	-	-
3.5.3.8.4 Perform Advanced Troubleshooting		*						-	-	-

SOF C-130 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
3.5.3.9 URC-133Satellite Communications Terminal (DAMA) TR: Applicable C-130 Technical Order										
3.5.3.9.1 Theory of Operation								-	-	-
3.5.3.9.2 Perform operational check	*							-	-	-
3.5.3.9.3 Operate								-	-	-
3.5.3.9.3.1 Auxiliary Panel								-	-	-
3.5.3.9.3.2 Data I/O Device (Laptop)								-	-	-
3.5.3.9.4 Isolate Malfunction	*							-	-	-
3.5.3.9.5 Perform Advanced Troubleshooting		*						-	-	-
3.5.3.10 AN/AIC-13 Public Address System TR: Applicable C-130 Technical Order										
3.5.3.10.1 Theory of Operation								-	-	-
3.5.3.10.2 Perform operational check								-	-	-
3.5.3.10.3 Isolate Malfunction								-	-	-
3.5.3.10.4 Perform Advanced Troubleshooting								-	-	-
3.5.3.11 Emergency Locator Transmitter (ELT) TR: Applicable C-130 Technical Order										
3.5.3.11.1 Theory of Operation								-	-	-
3.5.3.11.2 Perform operational checks	*							-	-	-
3.5.3.11.3 Isolate Malfunction	*							-	-	-
3.5.3.11.4 Perform Advanced Troubleshooting		*						-	-	-
3.5.3.12 Underwater Acoustical Beacon (UAB) TR: Applicable C-130 Technical Order										
3.5.3.12.1 Theory of Operation								-	-	-
3.5.3.12.2 Perform operational check								-	-	-
3.5.3.12.3 Isolate Malfunction								-	-	-
3.5.3.12.4 Perform Advanced Troubleshooting								-	-	-
3.5.3.13 Model A100 Flight Voice Recorder TR: Applicable C-130 Technical Order										
3.5.3.13.1 Theory of Operation								-	-	-
3.5.3.13.2 Perform operational check	*							-	-	-
3.5.3.13.3 Remove and Install Microphone								-	-	-
3.5.3.13.4 Isolate Malfunction	*							-	-	-
3.5.3.13.5 Perform Advanced Troubleshooting		*						-	-	-
3.5.4 NAVIGATION SYSTEMS (MC-130P)										
3.5.4.1 Self-Contained Navigation System (SCNS) TR: Applicable C-130 Technical Order										
3.5.4.1.1 Theory of Operation								-	-	-
3.5.4.1.2 Perform operational check	*							-	-	-
3.5.4.1.3 Remove and Install DVS								-	-	-
3.5.4.1.4 Operate Wire Harness Test Set (WHTS)								-	-	-
3.5.4.1.5 Isolate Malfunction	*							-	-	-
3.5.4.1.6 Perform Advanced Troubleshooting		*						-	-	-
3.5.4.2 AN/APX-64 119 Identify Friend or										

SOF C-130 TRAINING REQUIREMENTS										
1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
Foe (IFF) TR: Applicable C-130 Technical Order										
3.5.4.2.1 Theory of Operation								-	-	-
3.5.4.2.2 Perform operational check	*							-	-	-
3.5.4.2.3 Isolate Malfunction	*							-	-	-
3.5.4.2.4 Perform Advanced Troubleshooting		*						-	-	-
3.5.4.3 AN/ARN-147 VOR/ILS/MB TR: Applicable C-130 Technical Order										
3.5.4.3.1 Theory of Operation								-	-	-
3.5.4.3.2 Perform operational check	*							-	-	-
3.5.4.3.3 Remove and Install MB Antenna								-	-	-
3.5.4.3.4 Isolate Malfunction	*							-	-	-
3.5.4.3.5 Perform Advanced Troubleshooting		*						-	-	-
3.5.4.4 AN/ARN-152 Microwave Landing System TR: Applicable C-130 Technical Order										
3.5.4.4.1 Theory of Operation								-	-	-
3.5.4.4.2 Perform operational check								-	-	-
3.5.4.4.3 Isolate Malfunction								-	-	-
3.5.4.4.4 Perform Advanced Troubleshooting								-	-	-
3.5.4.5 AN/ARN-118 Tactical Air Navigation (TACAN) TR: Applicable C-130 Technical Order										
3.5.4.5.1 Theory of Operation								-	-	-
3.5.4.5.2 Perform operational check	*							-	-	-
3.5.4.5.3 Isolate Malfunction	*							-	-	-
3.5.4.5.4 Perform Advanced Troubleshooting		*						-	-	-
3.5.4.6 AN/ARN-151 Global Positioning System (GPS) TR: Applicable C-130 Technical Order										
3.5.4.6.1 Theory of Operation								-	-	-
3.5.4.6.2 Perform operational check	*							-	-	-
3.5.4.6.3 Remove and Install Antenna								-	-	-
3.5.4.6.4 Remove and Install Antenna Controller								-	-	-
3.5.4.6.5 Isolate Malfunction	*							-	-	-
3.5.4.6.6 Perform Advanced Troubleshooting		*						-	-	-
3.5.4.7 DFA-730 Automatic Direction Finder TR: Applicable C-130 Technical Order										
3.5.4.7.1 Theory of Operation								-	-	-
3.5.4.7.2 Perform operational check								-	-	-
3.5.4.7.3 Isolate Malfunction								-	-	-
3.5.4.7.4 Perform Advanced Troubleshooting								-	-	-
3.5.4.8 AN/ARA-25/50 UHF/VHF Direction Finder TR: Applicable C-130 Technical Order										
3.5.4.8.1 Theory of Operation								-	-	-
3.5.4.8.2 Perform operational checks								-	-	-

SOF C-130 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
3.5.4.8.3 Isolate Malfunction								-	-	-
3.5.4.8.4 Perform Advanced Troubleshooting								-	-	-
3.5.4.9 AN/APX-116 Low Probability of Intercept (LPI) Radar Transponder Set										
3.5.4.9.1 Theory of Operation								-	-	-
3.5.4.9.2 Perform Operational Check	*							-	-	-
3.5.4.9.3 Remove and install Antenna								-	-	-
3.5.4.9.4 Load Software								-	-	-
3.5.4.9.5 Isolate malfunctions								-	-	-
3.5.4.9.6 Perform Advanced Troubleshooting								-	-	-
3.5.4.10 Enhanced Traffic Collision Avoidance System (ETCAS) (AN / APN-244) TR: Applicable C-130 Technical Order										
3.5.4.10.1 Theory of Operation								-	-	-
3.5.4.10.2 Perform operational check	*							-	-	-
3.5.4.10.3 Isolate Malfunctions	*							-	-	-
3.5.4.10.4 Perform Advanced Troubleshooting		*						-	-	-
3.5.5 RADAR SYSTEMS (MC-130P)										
3.5.5.1 AN/APN-59 Radar TR: Applicable C-130 Technical Order										
3.5.5.1.1 Theory of Operation								-	-	-
3.5.5.1.2 Perform operational check	*							-	-	-
3.5.5.1.3 Remove and Install Receiver / Transmitter	*							-	-	-
3.5.5.1.4 Remove and install Antenna	*							-	-	-
3.5.5.1.5 Remove and install Fan								-	-	-
3.5.5.1.6 Isolate Malfunction	*							-	-	-
3.5.5.1.7 Perform Advanced Troubleshooting		*						-	-	-
3.5.5.2 Low Power Color Radar (AN/APN 241) TR: Applicable C-130 Technical Order										
3.5.5.2.1 Theory of operation								-	-	-
3.5.5.2.2 Perform operational checks	*							-	-	-
3.5.5.2.3 Remove and Install Antenna	*							-	-	-
3.5.5.2.4 Remove and Install LRMs	*							-	-	-
3.5.5.2.5 Remove and Install Receiver transmitter Processor	*							-	-	-
3.5.5.2.6 Remove and Install Environmental Mount	*							-	-	-
3.5.5.2.7 Isolate Malfunction	*							-	-	-
3.5.5.2.8 Perform Advanced Troubleshooting		*						-	-	-
3.5.5.3 AN/ASQ-14 Waveguide Pressurization TR: Applicable C-130 Technical Order										
3.5.5.3.1 Theory of Operation								-	-	-
3.5.5.3.2 Perform operational check	*							-	-	-
3.5.5.3.3 Isolate Malfunction	*							-	-	-
3.5.5.3.4 Perform Advanced Troubleshooting		*						-	-	-
3.5.5.4 AN/APN-232 Combined Altitude Radar										

SOF C-130 TRAINING REQUIREMENTS										
1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
Altimeter (CARA) TR: Applicable C-130 Technical Order										
3.5.5.4.1 Theory of Operation								-	-	-
3.5.5.4.2 Perform operational check	*							-	-	-
3.5.5.4.3 Adjust Altitude	*							-	-	-
3.5.5.4.4 Isolate Malfunction	*							-	-	-
3.5.5.4.5 Perform Advanced Troubleshooting		*						-	-	-
3.5.6 MISSION SYSTEMS (MC-130P)										
3.5.6.1 AN/AAQ-38 Infrared Detecting Set TR: Applicable C-130 Technical Order										
3.5.6.1.1 Theory of Operation								-	-	-
3.5.6.1.2 Perform operational check	*							-	-	-
3.5.6.1.3 Remove and Install Infrared Receiver								-	-	-
3.5.6.1.4 Perform IDS Window Cleaning	*							-	-	-
3.5.6.1.5 Perform Purge	*							-	-	-
3.5.6.1.6 Perform Inspection of Humidity Indicator	*							-	-	-
3.5.6.1.7 Perform Inspection of External Desiccant	*							-	-	-
3.5.6.1.8 Isolate Malfunction	*							-	-	-
3.5.6.1.9 Perform Advanced Troubleshooting		*						-	-	-
3.6 GENERAL ORGANIZATIONAL MAINTENANCE (AC-130W) TR: Applicable C-130 Technical Orders										
3.6.1 Aircraft Familiarization										
3.6.1.1 Aircraft safe for maintenance	*							-	-	-
3.6.1.2 Select/Use safety devices								-	-	-
3.6.1.3 Major structural areas								-	-	-
3.6.1.4 Major systems								-	-	-
3.6.1.5 Aircraft egress procedures								-	-	-
3.6.2 GENERAL MAINTENANCE TASKS (AC-130W) TR: Applicable C-130 Technical Orders										
3.6.2.1 Technical order familiarization								-	-	-
3.6.2.2 Flightline safety/precautions/security								-	-	-
3.6.2.3 Introduction to aircraft/airframe familiarization								-	-	-
3.6.2.4 Inspect/operate portable external electrical power unit								-	-	-
3.6.2.5 Inspect/use ground maintenance stands								-	-	-
3.6.2.6 Dropped object prevention program (DOPP)								-	-	-
3.6.2.7 Defensive systems (DS) familiarization on applicable aircraft								-	-	-
3.6.2.8 Statically ground aircraft								-	-	-
3.6.2.9 Apply/disconnect external electrical	*							-	-	-

SOF C-130 TRAINING REQUIREMENTS										
1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
power										
3.6.2.10 Perform aircraft wash								-	-	-
3.6.2.11 Jack Aircraft TR: Applicable C-130 Technical Orders										
3.6.2.11.1 Jacking supervisor								-	-	-
3.6.2.11.2 Jacking team member								-	-	-
3.6.2.12 Perform Refuel / Defuel Team Member Duties										
3.6.2.12.1 Refuel/Defuel supervisor								-	-	-
3.6.2.12.2 SPR panel operator								-	-	-
3.6.2.12.3 Flight deck fuel panel operator								-	-	-
3.6.2.13 Open and close engine cowling								-	-	-
3.6.2.14 Remove and install aircraft maintenance access panels								-	-	-
3.6.2.15 Perform aircraft marshaling procedures								-	-	-
3.6.2.16 Tow Aircraft TR: Applicable C-130 Technical Orders										
3.6.2.16.1 Wing/tail walker								-	-	-
3.6.2.16.2 Tow supervisor								-	-	-
3.6.2.16.3 Brake operator								-	-	-
3.6.2.17 Operate Cargo Doors								-	-	-
3.6.2.18 Deactivate Cargo Doors								-	-	-
3.6.2.19 Drop/Raise Forward Nose Landing Gear Door	*							-	-	-
3.6.2.20 Open/close radomes	*							-	-	-
3.6.2.21 Recover/Launch aircraft								-	-	-
3.6.2.22 Perform Aircraft Inspections Applicable C-130 Technical Orders										
3.6.2.22.1 Phase/periodic/ISO								-	-	-
3.6.2.22.2 Home Station Check (HSC)								-	-	-
3.6.2.22.3 Basic post-flight/preflight/thruflight								-	-	-
3.6.3 COMMUNICATION SYSTEMS (AC-130W)										
3.6.3.1 Interphone (AN / AIC-18A / 25) TR: Applicable C-130 Technical Orders										
3.6.3.1.1 Theory of Operation								-	-	-
3.6.3.1.2 Perform operational check	*							-	-	-
3.6.3.1.3 Remove and install Yoke microphone switch	*							-	-	-
3.6.3.1.4 Isolate Malfunctions	*							-	-	-
3.6.3.1.5 Perform Advanced Troubleshooting		*						-	-	-
3.6.3.2 Public Address (AN / AIC-13) TR: Applicable C-130 Technical Orders										
3.6.3.2.1 Theory of Operation								-	-	-
3.6.3.2.2 Perform operational check								-	-	-

SOF C-130 TRAINING REQUIREMENTS										
1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
3.6.3.2.3 Remove and install Loudspeaker								-	-	-
3.6.3.2.4 Isolate Malfunctions								-	-	-
3.6.3.2.5 Perform Advanced Troubleshooting								-	-	-
3.6.3.3 High Frequency (HF) Radio (AN / ARC-190) TR: Applicable C-130 Technical Orders										
3.6.3.3.1 Theory of Operation								-	-	-
3.6.3.3.2 Perform operational check	*							-	-	-
3.6.3.3.3 Remove and install Coupler	*							-	-	-
3.6.3.3.4 Remove and install Lightning arrestor								-	-	-
3.6.3.3.5 Isolate Malfunctions	*							-	-	-
3.6.3.3.6 Perform Advanced Troubleshooting		*						-	-	-
3.6.3.4 Very High Frequency (VHF) AM / FM Radio (AN / ARC-186) TR: Applicable C-130 Technical Orders										
3.6.3.4.1 Theory of Operation								-	-	-
3.6.3.4.2 Perform operational check	*							-	-	-
3.6.3.4.3 Isolate Malfunctions	*							-	-	-
3.6.3.4.4 Perform Advanced Troubleshooting		*						-	-	-
3.6.3.5 Ultra High Frequency (UHF) Radio System (AN / ARC-164(V)) TR: Applicable C-130 Technical Orders										
3.6.3.5.1 Theory of Operation								-	-	-
3.6.3.5.2 Perform Operational Check								-	-	-
3.6.3.5.3 Normal	*							-	-	-
3.6.3.5.4 Have Quick								-	-	-
3.6.3.5.5 Isolate Malfunctions	*							-	-	-
3.6.3.5.6 Perform Advanced Troubleshooting		*						-	-	-
3.6.3.6 AN/ARC- 231 V/U/SATCOM Radio Set TR: Applicable C-130 Technical Order										
3.6.3.6.1 Theory of Operation								-	-	-
3.6.3.6.2 Perform Operational Checks										
3.6.3.6.2.1 Perform Secure Check	*							-	-	-
3.6.3.6.2.2 Perform LOS check	*							-	-	-
3.6.3.6.2.3 Perform DAMA Check								-	-	-
3.6.3.6.2.4 Perform SATCOM Check	*							-	-	-
3.6.3.6.2.5 Perform Radio Platform Configuration	*							-	-	-
3.6.3.6.3 Isolate Malfunctions	*							-	-	-
3.6.3.6.4 Perform Advanced Troubleshooting		*						-	-	-
3.6.3.7 Cockpit Voice Recorder (AN / ASH-35 / A-100A) TR: Applicable C-130 Technical Orders										
3.6.3.7.1 Theory of Operation								-	-	-
3.6.3.7.2 Perform operational check	*							-	-	-
3.6.3.7.3 Isolate Malfunctions	*							-	-	-
3.6.3.7.4 Perform Advanced Troubleshooting		*						-	-	-

SOF C-130 TRAINING REQUIREMENTS										
1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
3.6.3.8 Emergency Locator Transmitter (ELT) (PN 3000-8) TR: Applicable C-130 Technical Orders										
3.6.3.8.1 Theory of Operation								-	-	-
3.6.3.8.2 Perform operational check	*							-	-	-
3.6.3.8.3 Remove and install Battery Pack								-	-	-
3.6.3.8.4 Isolate Malfunctions	*							-	-	-
3.6.3.8.5 Perform Advanced Troubleshooting		*						-	-	-
3.6.3.9 Underwater Locator / Underwater Acoustical Beacon TR: Applicable C-130 Technical Orders										
3.6.3.9.1 Theory of Operation								-	-	-
3.6.3.9.2 Perform operational check								-	-	-
3.6.3.9.3 Remove and install Battery								-	-	-
3.6.3.9.4 Isolate Malfunctions								-	-	-
3.6.3.10 Wideband Secure Voice (KY-58 / KY-100) TR: Applicable C-130 Technical Orders										
3.6.3.10.1 Theory of Operation								-	-	-
3.6.3.10.2 Perform operational check	*							-	-	-
3.6.3.10.3 Isolate Malfunctions	*							-	-	-
3.6.3.10.4 Perform Advanced Troubleshooting		*						-	-	-
3.6.3.11 Narrowband Secure Voice (ANDVT) TR: Applicable C-130 Technical Orders										
3.6.3.11.1 Theory of Operation								-	-	-
3.6.3.11.2 Perform operational check	*							-	-	-
3.6.3.11.3 Isolate Malfunctions	*							-	-	-
3.6.3.11.4 Perform Advanced Troubleshooting		*						-	-	-
3.6.4 NAVIGATION SYSTEMS (MC-130W)										
3.6.4.1 IFF Transponders (AN / APX-100) (AN / APX-119) TR: Applicable C-130 Technical Orders										
3.6.4.1.1 Theory of Operation								-	-	-
3.6.4.1.2 Perform Operational Check	*							-	-	-
3.6.4.1.3 Isolate Malfunctions	*							-	-	-
3.6.4.1.4 Perform Advanced Troubleshooting		*						-	-	-
3.6.4.2 VHF Omni Range / Instrument Landing / Marker Beacon (VOR / ILS / MB) (AN / ARN-147) TR: Applicable C-130 Technical Orders										
3.6.4.2.1 Theory of Operation								-	-	-
3.6.4.2.2 Perform operational check	*							-	-	-
3.6.4.2.3 Remove and install VOR Antenna								-	-	-
3.6.4.2.4 Isolate Malfunctions	*							-	-	-
3.6.4.2.5 Perform Advanced Troubleshooting		*						-	-	-
3.6.4.3 Tactical Air Navigation (TACAN) (AN /										

SOF C-130 TRAINING REQUIREMENTS										
1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
ARN-118) TR: Applicable C-130 Technical Orders										
3.6.4.3.1 Theory of Operation								-	-	-
3.6.4.3.2 Perform operational check	*							-	-	-
3.6.4.3.3 Isolate Malfunctions	*							-	-	-
3.6.4.3.4 Perform Advanced Troubleshooting		*						-	-	-
3.6.4.4 Self-Contained Navigation Systems (SCNS) / Computer Aided Navigation System (CANS) TR: Applicable C-130 Technical Orders										
3.6.4.4.1 Theory of Operation								-	-	-
3.6.4.4.2 Perform operational check	*							-	-	-
3.6.4.4.3 Update/load/operate software Load Operational Flight Program (OFP)								-	-	-
3.6.4.4.4 Isolate Malfunctions	*							-	-	-
3.6.4.4.5 Operate Wire Harness Test Set (WHTS)								-	-	-
3.6.4.4.6 Perform Advanced Troubleshooting		*						-	-	-
3.6.4.5 Global Positioning System (AN / ARN-151) TR: Applicable C-130 Technical Orders										
3.6.4.5.1 Theory of Operation								-	-	-
3.6.4.5.2 Perform operational check	*							-	-	-
3.6.4.5.3 Remove and install Antenna								-	-	-
3.6.4.5.4 Remove and install Antenna Controller								-	-	-
3.6.4.5.5 Isolate Malfunctions	*							-	-	-
3.6.4.5.6 Perform Advanced Troubleshooting		*						-	-	-
3.6.4.6 Automatic Direction Finder (ADF) (DF-106 / 206A / DFA-73) TR: Applicable C-130 Technical Orders										
3.6.4.6.1 Theory of Operation								-	-	-
3.6.4.6.2 Perform operational check								-	-	-
3.6.4.6.3 Remove and install Sense Antenna								-	-	-
3.6.4.6.4 Isolate Malfunctions								-	-	-
3.6.4.6.5 Perform Advanced Troubleshooting								-	-	-
3.6.4.7 UHF Direction Finders (DF) (DF-301E) (AN / ARA-50) (AN / ARA-25) TR: Applicable C-130 Technical Orders										
3.6.4.7.1 Theory of Operation								-	-	-
3.6.4.7.2 Perform operational check								-	-	-
3.6.4.7.3 Remove and install Antenna								-	-	-
3.6.4.7.4 Isolate Malfunctions								-	-	-
3.6.4.7.5 Perform Advanced Troubleshooting								-	-	-
3.6.4.8 Doppler (AN / APN-218 / 147) TR: Applicable C-130 Technical Orders										
3.6.4.8.1 Theory of Operation								-	-	-
3.6.4.8.2 Perform operational check	*							-	-	-

SOF C-130 TRAINING REQUIREMENTS										
1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
3.6.4.8.3 Remove and install Doppler Velocity sensor								-	-	-
3.6.4.8.4 Isolate Malfunctions	*							-	-	-
3.6.4.8.5 Perform Advanced Troubleshooting		*						-	-	-
3.6.4.9 Enhanced Traffic Alert and Collision Avoidance System TR: Applicable C-130 Technical Orders										
3.6.4.9.1 Theory of Operation								-	-	-
3.6.4.9.2 Perform operational check	*							-	-	-
3.6.4.9.3 Isolate Malfunctions	*							-	-	-
3.6.4.9.4 Perform Advanced Troubleshooting		*						-	-	-
3.6.4.10 AN/APN-232 Combined Altitude Radar Altimeter TR: Applicable C-130 Technical Order										
3.6.4.10.1 Theory of Operation								-	-	-
3.6.4.10.2 Perform Operational Check	*							-	-	-
3.6.4.10.3 Remove and install Signal Data Converter (SDC)								-	-	-
3.6.4.10.4 Adjust Altitude	*							-	-	-
3.6.4.10.5 Isolate Malfunctions	*							-	-	-
3.6.4.10.6 Perform Advanced Troubleshooting		*						-	-	-
3.6.5 RADAR SYSTEMS (MC-130W)										
3.6.5.1 Low Power Color Radar (AN / APN-241) TR: Applicable C-130 Technical Orders										
3.6.5.1.1 Theory of Operation								-	-	-
3.6.5.1.2 Perform operational check	*							-	-	-
3.6.5.1.3 Remove and install Antenna	*							-	-	-
3.6.5.1.4 Remove and install Receiver Transmitter Processor (RTP)	*							-	-	-
3.6.5.1.5 Remove and install Environmental Mount								-	-	-
3.6.5.1.6 Remove and install Line Replaceable Modules (LRM)	*							-	-	-
3.6.5.1.7 Remove and install Waveguides								-	-	-
3.6.5.1.8 Isolate Malfunctions	*							-	-	-
3.6.5.1.9 Perform Advanced Troubleshooting		*						-	-	-
3.6.6 MISSION SYSTEMS (MC-130W)										
3.6.6.1 Infrared Detecting Set (IDS) TR: Applicable C-130 Technical Order										
3.6.6.1.1 Perform operational check								-	-	-
3.6.6.1.2 Infrared Receiver								-	-	-
3.6.6.1.3 Perform IDS Window Cleaning								-	-	-
3.6.6.1.4 Perform Purge								-	-	-
3.6.6.1.5 Perform Inspection of Humidity Indicator								-	-	-
3.6.6.1.6 Perform Inspection of External								-	-	-

SOF C-130 TRAINING REQUIREMENTS										
1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
Desiccant										
3.6.6.1.7 Isolate Malfunction								-	-	-
3.6.6.1.8 Perform Advanced Troubleshooting								-	-	-
3.6.6.2 CSS-100 Sentinel System										
3.6.6.2.1 Remove and install Upper Omni Antenna								-	-	-
3.6.6.2.2 Remove and install Lower Omni Antenna								-	-	-
3.6.6.3 Joint Command and Control System (JC2S)										
3.6.6.3.1 Antenna Locations and Uses								-	-	-
3.6.6.4 MTX-100 Blue Force Tracker										
3.6.6.4.1 Theory of Operation								-	-	-
3.6.6.4.2 Perform Operational Check								-	-	-
3.6.6.4.3 Remove and install batteries								-	-	-
3.7 GENERAL ORGANIZATION MAINTENANCE (HC/MC-130J)										
3.7.1 Aircraft Familiarization								-	-	-
3.7.1.1 Major Structure Areas								-	-	-
3.7.1.2 Major Systems								-	-	-
3.7.1.3 Select/Use safety devices								-	-	-
3.7.1.4 Aircraft egress procedures								-	-	-
3.7.2 GENERAL MAINTENANCE TASKS (HC/MC-130J)										
3.7.2.1 Technical order familiarization								-	-	-
3.7.2.2 Flightline safety/precautions/security								-	-	-
3.7.2.3 Introduction to aircraft/airframe familiarization								-	-	-
3.7.2.4 Ensure Aircraft is safe for maintenance	*							-	-	-
3.7.2.5 Inspect/operate portable external electrical power unit								-	-	-
3.7.2.6 Inspect/use ground maintenance stands								-	-	-
3.7.2.7 Dropped object prevention program (DOPP)								-	-	-
3.7.2.8 Statically ground aircraft								-	-	-
3.7.2.9 Apply/disconnect external electrical power	*							-	-	-
3.7.2.10 Perform aircraft wash								-	-	-
3.7.2.11 Refuel/Defuel Team Member Duties										
3.7.2.11.1 Refuel/Defuel supervisor								-	-	-
3.7.2.11.2 SPR Panel operator								-	-	-
3.7.2.11.3 Flight deck fuel panel operator								-	-	-
3.7.2.12 Open and close engine cowling								-	-	-
3.7.2.13 Remove and install (R and I) aircraft maintenance access panels								-	-	-
3.7.2.14 Open and close Nose Radome	*							-	-	-

SOF C-130 TRAINING REQUIREMENTS											
1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Level	7 Level	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC	
3.7.2.15 Open and Close Nose Wheel Door	*								-	-	-
3.7.2.16 Open and Close APQ-150 Radome and Fairing									-	-	-
3.7.2.17 Perform aircraft marshaling									-	-	-
3.7.2.18 Tow aircraft											
3.7.2.18.1 Perform wing/tail walker duties									-	-	-
3.7.2.18.2 Brake operator									-	-	-
3.7.2.19 Jack aircraft											
3.7.2.19.1 Jacking team supervisor									-	-	-
3.7.2.19.2 Jacking team member									-	-	-
3.7.2.20 Operate GTC									-	-	-
3.7.3 EC-130H Special Systems											
3.7.3.1 Selective Interphone UIC-7 TR: Applicable Technical Data											
3.7.3.1.1 Theory of Operation									-	-	-
3.7.3.1.2 Apply Special Systems Power									-	-	-
3.7.3.1.3 Perform Operational Checks									-	-	-
3.7.3.1.4 Remove and Install LRUs									-	-	-
3.7.3.1.5 Isolate Malfunctions									-	-	-
3.7.3.1.6 Perform Advanced Troubleshooting									-	-	-
3.7.3.2 Tactical Information Broadcast System (TIBS) TR: Applicable Technical Data											
3.7.3.2.1 Theory of Operation									-	-	-
3.7.3.2.2 Perform Operational Checks									-	-	-
3.7.3.2.3 Isolate Malfunctions									-	-	-
3.7.3.2.4 Perform Advanced Troubleshooting									-	-	-
3.7.3.3 Mission Radio/ Interphone System TR: Applicable Technical Data											
3.7.3.3.1 Theory of Operation									-	-	-
3.7.3.3.2 Perform Operational Checks									-	-	-
3.7.3.3.3 Isolate Malfunctions									-	-	-
3.7.3.3.4 Perform Advanced Troubleshooting									-	-	-
3.7.3.4 Radar Transponder (SST-181) TR: Applicable C-130 Technical Orders											
3.7.3.4.1 Theory of Operation									-	-	-
3.7.3.4.2 Perform Operational Checks									-	-	-
3.7.3.4.3 Isolate Malfunctions									-	-	-
3.7.3.4.4 Perform Advanced Troubleshooting									-	-	-
3.7.4 HC/ MC-130 (CSAR) Infrared Systems											
3.7.4.1 AAQ-22FLIR TR: Applicable -2 Series Technical Orders/ Manufacturers Manuals											
3.7.4.1.1 Theory of Operation									-	-	-
3.7.4.1.2 Perform Operational Checks									-	-	-
3.7.4.1.3 Remove and Install Turret FLIR Unit									-	-	-

SOF C-130 TRAINING REQUIREMENTS										
1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
3.7.4.1.4 Isolate Malfunctions								-	-	-
3.7.4.1.5 Performed Advanced Troubleshooting								-	-	-
3.7.4.1.6 Intermediate Maintenance TR: Applicable Technical Data										
3.7.4.1.6.1 Perform Minimum Performance Checks								-	-	-
3.7.4.1.6.2 Perform System Alignments								-	-	-
3.7.4.1.6.3 Perform Scan Cavity Evacuation								-	-	-
3.7.4.1.6.4 Leak Test/ Purging								-	-	-
3.7.5. Forward Looking Infrared (FLIR) Imaging System (AN/ AAQ-36) TR: Applicable C-130 Technical Order										
3.7.5.1 Theory of Operation								-	-	-
3.7.5.2 Remove and Install Turret FLIR Unit (TFU)								-	-	-
3.7.5.3 Remove and Install FLIR Cover								-	-	-
3.7.5.4 Remove and Install Video Cassette Recorder (VCR)								-	-	-
3.7.5.5 Remove and Install VCR Remote Control								-	-	-
3.7.5.6 Remove and Install Desiccant Cartridge								-	-	-
3.7.5.7 Remove and Install Central Electronics Unit (CEU)								-	-	-
3.7.5.8 Remove and Install Video Distribution Converter (VDC)								-	-	-
3.7.5.9 Remove and Install Navigator Video Display Unit (NVDU)								-	-	-
3.7.5.10 Remove and Install Central Console Video Display Unit (CCVDU)								-	-	-
3.7.5.11 Remove and Install Video Selector Panel (VSP)								-	-	-
3.7.5.12 Remove and Install Hand Control Unit (HCU)								-	-	-
3.7.5.13 Remove and Install Laser Interlock Panel								-	-	-
3.7.5.14 Clean VCR Head								-	-	-
3.7.5.15 Purge								-	-	-
3.7.5.16 Clean FLIR VDU								-	-	-
3.7.5.17 Clean FLIR Window								-	-	-
3.7.5.18 Perform Phase Inspection								-	-	-
3.7.5.19 Isolate Malfunctions								-	-	-
3.7.5.20 Perform Advance Troubleshooting								-	-	-
3.7.5.21 Aircraft Systems Integration								-	-	-
3.7.6. Lightweight Airborne Recovery System TR: Applicable C-130 Technical Orders										
3.7.6.1 Theory of Operation								-	-	-
3.7.6.2 Perform Operational Checks								-	-	-

SOF C-130 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Level	7 Level	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC	
3.7.6.3 Remove and Install Receiver/ Transmitter Mount									-	-	-
3.7.6.4 Remove and Install UHF Blade Antenna Set									-	-	-
3.7.6.5 Remove and Install UHF Blade Antenna Mount									-	-	-
3.7.6.6 Remove and Install Blade Antenna Phase-Matched Cable									-	-	-
3.7.6.7 Isolate Malfunctions									-	-	-
3.7.6.8 Perform Advance Troubleshooting									-	-	-

SOF PR Off Equipment TRAINING REQUIREMENTS										
1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
4.1.6.1 Perform operational check										
4.1.6.1.1 Receiver/Transmitter								-	-	-
4.1.6.1.2 Signal Processor Computer (SPC)								-	-	-
4.1.6.1.3 Signal Data Converter (SDC)								-	-	-
4.1.6.1.4 Power Supply								-	-	-
4.1.6.2 Troubleshoot										
4.1.6.2.1 Receiver/Transmitter								-	-	-
4.1.6.2.2 Signal Processor Computer (SPC)								-	-	-
4.1.6.2.3 Signal Data Converter (SDC)								-	-	-
4.1.6.2.4 Power Supply								-	-	-
4.1.7 ELECTRICAL ELECTRONIC EQUIPMENT TEST STATION (EEETS) AN/APQ-170 TR: 33A -1-5-531-1, 33A1-5- 531-4										
4.1.7.1 Setup								-	-	-
4.1.7.2 Self Test								-	-	-
4.1.7.3 Inspect								-	-	-
4.1.7.4 Troubleshoot										
4.1.7.4.1 Computer Control Memory Unit (CCMU)								-	-	-
4.1.7.4.2 Signal Generator Converter (SGC)								-	-	-
4.1.7.4.3 Converter Interface (CI)								-	-	-
4.1.7.5 Service Printer (2225HP)								-	-	-
4.1.7.6 Perform Utility Program Operations								-	-	-
4.1.7.7 Perform Calibration Verification								-	-	-
4.1.8 AN/APQ-180 EEETS ANCILLARY EQUIPMENT TR: 33A1-5-531-1, 33A1-5-531- 4										
4.1.8.1 Setup								-	-	-
4.1.8.2 Inspect								-	-	-
4.1.8.3 Troubleshoot										
4.1.8.3.1 Fan, Vane axial								-	-	-
4.1.8.3.2 Signal Data Converter								-	-	-
4.1.8.3.3 Power Distribution Panel								-	-	-
4.1.8.3.4 Waveguide Pressurization Unit								-	-	-
4.1.8.3.5 Liquid Cooling Unit								-	-	-
4.1.8.3.6 Hydraulic Power Supply								-	-	-
4.1.8.3.7 Triaxial Measuring System								-	-	-
4.1.9 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										
4.1.9.1 Perform operational check										
4.1.9.1.1 Radar Data Processor/ Radar Signal Processor (RDP/ RSP) Test Program Set (TPS)								-	-	-

SOF PR Off Equipment TRAINING REQUIREMENTS											
1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Level	7 Level	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC	
4.1.9.1.2 Analog-Digital Converter/Receiver-Exciter (ADC/RE) TPS									-	-	-
4.1.9.1.3 Low Voltage Power Supply (LVPS) TPS									-	-	-
4.1.9.1.4 Transmitter TPS									-	-	-
4.1.9.1.5 Antenna TPS									-	-	-
4.1.9.2 Troubleshoot											
4.1.9.2.1 Radar Data Processor/ Radar Signal Processor (RDP/ RSP) Test Program Set (TPS)									-	-	-
4.1.9.2.2 Analog-Digital Converter/ Receiver-Exciter (ADC/RE) TPS									-	-	-
4.1.9.2.3 Low Voltage Power Supply (LVPS) TPS									-	-	-
4.1.9.2.4 Transmitter TPS									-	-	-
4.1.9.2.5 Antenna TPS									-	-	-
4.1.9.3 Interphone System TPS TR: 33D7-50-2157-1, 33D7-50- 157-4											
4.1.9.3.1 Perform operational check									-	-	-
4.1.9.3.2 Troubleshoot									-	-	-
4.2 RADAR SYSTEMS (SOF OFF EQUIPMENT MAINTENANCE)											
4.2.1 AN/APQ-170 RADAR USING AIRCRAFT RADAR TEST STATION (ARATS) TR: 12P2-2APQ-170 Series											
4.2.1.1 Perform Minimum Performance Check											
4.2.1.1.1 X-Band Antenna									-	-	-
4.2.1.1.2 Ku-Band Antenna									-	-	-
4.2.1.1.3 X-RT									-	-	-
4.2.1.1.4 Ku-RT									-	-	-
4.2.1.1.5 Signal Processor Computer (SPC)									-	-	-
4.2.1.1.6 Signal Data Converter (SDC)									-	-	-
4.2.1.1.7 Power supply (SPS)									-	-	-
4.2.1.2 Align											
4.2.1.2.1 X-Band Antenna									-	-	-
4.2.1.2.2 Ku-Band Antenna									-	-	-
4.2.1.2.3 X-RT									-	-	-
4.2.1.2.4 Ku-RT									-	-	-
4.2.1.2.5 Power supply (SPS)									-	-	-
4.2.1.3 Repair Troubleshoot											
4.2.1.3.1 X-Band Antenna									-	-	-
4.2.1.3.2 Ku-Band Antenna									-	-	-
4.2.1.3.3 X-RT									-	-	-
4.2.1.3.4 Repair Ku-RT									-	-	-
4.2.1.3.5 Signal Processor Computer (SPC)									-	-	-
4.2.1.3.6 Signal Data Converter (SDC)									-	-	-

SOF PR Off Equipment TRAINING REQUIREMENTS											
1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Level	7 Level	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC	
4.2.1.3.7 Power supply (SPS)									-	-	-
4.2.1.4 Repair and Phase Match X- and Ku-Band Waveguides Using HP8510									-	-	-
4.2.1.5 Perform Manual Operation Test									-	-	-
4.2.1.6 Perform Freespace Radiation Test									-	-	-
4.2.1.7 Remove and install											
4.2.1.7.1 Shop Replaceable Units (SRU)									-	-	-
4.2.1.7.2 Components									-	-	-
4.2.1.7.3 Operate peculiar test equipment									-	-	-
4.2.1.7.4 Inspect peculiar test equipment									-	-	-
4.2.1.7.5 Calibrate peculiar test equipment									-	-	-
4.2.2 AN/APQ-170 RADAR USING TEST PROGRAM SETS TR: 12P2-2APQ-170 Series											
4.2.2.1 Operate/Inspect/Calibrate									-	-	-
4.2.2.2 Remove/Install Shop Replaceable Units (SRU) or Components									-	-	-
4.2.2.3 Perform minimum performance checks											
4.2.2.3.1 X-RT									-	-	-
4.2.2.3.2 Ku-RT									-	-	-
4.2.2.3.3 Signal Processor Computer (SPC)									-	-	-
4.2.2.3.4 Signal Data Converter (SDC)									-	-	-
4.2.2.3.5 Power Supply									-	-	-
4.2.2.4 Troubleshoot											
4.2.2.4.1 X-RT									-	-	-
4.2.2.4.2 Ku-RT									-	-	-
4.2.2.4.3 Signal Processor Computer (SPC)									-	-	-
4.2.2.4.4 Power Supply									-	-	-
4.2.3 AN/APQ-180 Radar TR: 12P2-2APQ-180 Series											
4.2.3.1 Perform minimum performance checks											
4.2.3.1.1 Analog/Digital Converter (ADC)									-	-	-
4.2.3.1.2 Radar Data Processor (RDP)									-	-	-
4.2.3.1.3 Radar Signal Processor (RSP)									-	-	-
4.2.3.1.4 Receiver/Exciter (RE)									-	-	-
4.2.3.1.5 Transmitter									-	-	-
4.2.3.1.6 Low Voltage Power Supply (LVPS)									-	-	-
4.2.3.1.7 Antenna									-	-	-
4.2.3.2 Troubleshoot											
4.2.3.2.1 Analog/Digital Converter (ADC)									-	-	-
4.2.3.2.2 Processor (RDP)									-	-	-
4.2.3.2.3 Processor (RSP)									-	-	-
4.2.3.2.4 Exciter (RE)									-	-	-
4.2.3.2.5 Transmitter									-	-	-
4.2.3.2.6 Low Voltage Power Supply (LVPS)									-	-	-
4.2.3.2.7 Antenna									-	-	-

SOF PR Off Equipment TRAINING REQUIREMENTS										
1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
4.2.3.3 Remove and install										
4.2.3.3.1 Shop Replaceable Units (SRU)								-	-	-
4.2.3.3.2 Components								-	-	-
4.2.3.3.3 Operate peculiar test equipment								-	-	-
4.2.3.3.4 Inspect peculiar test equipment								-	-	-
4.2.3.3.5 Calibrate peculiar test equipment								-	-	-
4.2.4 AN/APQ-150 RADAR TR: 12P5-2APQ-150-12										
4.2.4.1 Perform minimum performance checks										
4.2.4.1.1 Control Indicator								-	-	-
4.2.4.1.2 Receiver/Transmitter								-	-	-
4.2.4.1.3 Signal Processor								-	-	-
4.2.4.1.4 Set Group								-	-	-
4.2.4.2 Align										
4.2.4.2.1 Control Indicator								-	-	-
4.2.4.2.2 Receiver/Transmitter								-	-	-
4.2.4.2.3 Signal Processor								-	-	-
4.2.4.3 Troubleshoot										
4.2.4.3.1 Control Indicator								-	-	-
4.2.4.3.2 Receiver/Transmitter								-	-	-
4.2.4.3.3 Signal Processor								-	-	-
4.2.4.3.4 Set Group								-	-	-
4.2.4.4 Remove and install										
4.2.4.4.1 Shop Replaceable Units (SRU)								-	-	-
4.2.4.4.2 Components								-	-	-
4.2.4.4.3 Operate peculiar test equipment								-	-	-
4.2.4.4.4 Inspect peculiar test equipment								-	-	-
4.2.4.4.5 Calibrate peculiar test equipment								-	-	-
4.2.4.5 AN/APQ-122 (V-8 SOFI) RADAR TR: 12P5-2APQ-122-191-1										
4.2.4.5.1 Perform Minimum Performance Check										
4.2.4.5.1.1 X -Band Receiver/Transmitter								-	-	-
4.2.4.5.1.2 Ka-Band Receiver/Transmitter								-	-	-
4.2.4.5.1.3 ECA								-	-	-
4.2.4.5.1.4 Map Antenna								-	-	-
4.2.4.5.1.5 Antenna Control								-	-	-
4.2.4.5.1.6 TF Receiver								-	-	-
4.2.4.5.1.7 TF Computer								-	-	-
4.2.4.5.1.8 X-Band Control Box								-	-	-
4.2.4.5.1.9 Ka-Band Control Box								-	-	-
4.2.4.5.1.10 Cursor Control Box								-	-	-
4.2.4.5.1.11 AOA Probe								-	-	-
4.2.4.5.1.12 TF Antenna								-	-	-
4.2.4.5.1.13 DAI								-	-	-
4.2.4.5.1.14 PSP								-	-	-
4.2.4.5.1.15 Maintenance Panel								-	-	-

SOF PR Off Equipment TRAINING REQUIREMENTS										
1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
4.2.4.5.1.16 Power Supply								-	-	-
4.2.4.5.1.17 Pilots 5 Monitor								-	-	-
4.2.4.5.1.18 Navigators 9 Monitor								-	-	-
4.2.4.5.1.19 Navigators 14 Monitor								-	-	-
4.2.4.5.1.20 Digital Scan Converter								-	-	-
4.2.4.5.1.21 Pilots Control Box								-	-	-
4.2.4.5.1.22 Navigators Control Box								-	-	-
4.2.4.5.1.23 Left Navigators Control Box								-	-	-
4.2.4.5.1.24 Digital Scan Converter Mount								-	-	-
4.2.4.5.1.25 Power Supply Mount								-	-	-
4.2.4.5.2 Align										
4.2.4.5.2.1 X-Band Receiver/Transmitter								-	-	-
4.2.4.5.2.2 Ka-Band Receiver/Transmitter								-	-	-
4.2.4.5.2.3 ECA								-	-	-
4.2.4.5.2.4 Map Antenna								-	-	-
4.2.4.5.2.5 Antenna Control								-	-	-
4.2.4.5.2.6 TF Receiver								-	-	-
4.2.4.5.2.7 TF Computer								-	-	-
4.2.4.5.2.8 X-Band Control Box								-	-	-
4.2.4.5.2.9 Ka-Band Control Box								-	-	-
4.2.4.5.2.10 Cursor Control Box								-	-	-
4.2.4.5.2.11 TF Antenna								-	-	-
4.2.4.5.2.12 PSP								-	-	-
4.2.4.5.2.13 Power Supply								-	-	-
4.2.4.5.2.14 Pilots 5 Monitor								-	-	-
4.2.4.5.2.15 Navigators 9 Monitor								-	-	-
4.2.4.5.2.16 Navigators 14 Monitor								-	-	-
4.2.4.5.2.17 Digital Scan Converter								-	-	-
4.2.4.5.2.18 Pilots Control Box								-	-	-
4.2.4.5.2.19 Navigators Control Box								-	-	-
4.2.4.5.2.20 Left Navigators Control Box								-	-	-
4.2.4.5.3 Repair										
4.2.4.5.3.1 X-Band Receiver/Transmitter								-	-	-
4.2.4.5.3.2 Ka-Band Receiver/Transmitter								-	-	-
4.2.4.5.3.3 ECA								-	-	-
4.2.4.5.3.4 Map Antenna								-	-	-
4.2.4.5.3.5 Antenna Control								-	-	-
4.2.4.5.3.6 TF Receiver								-	-	-
4.2.4.5.3.7 TF Computer								-	-	-
4.2.4.5.3.8 X-Band Control Box								-	-	-
4.2.4.5.3.9 Ka-Band Control Box								-	-	-
4.2.4.5.3.10 Cursor Control Box								-	-	-
4.2.4.5.3.11 TF Antenna								-	-	-
4.2.4.5.3.12 PSP								-	-	-
4.2.4.5.3.13 Power Supply								-	-	-

SOF PR Off Equipment TRAINING REQUIREMENTS											
1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Level	7 Level	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC	
4.2.4.5.3.14 Pilots 5 Monitor									-	-	-
4.2.4.5.3.15 Navigators 9 Monitor									-	-	-
4.2.4.5.3.16 Navigators 14 Monitor									-	-	-
4.2.4.5.3.17 Digital Scan Converter									-	-	-
4.2.4.5.3.18 Pilots Control Box									-	-	-
4.2.4.5.3.19 Navigators Control Box									-	-	-
4.2.4.5.3.20 Left Navigators Control Box									-	-	-
4.2.4.5.3.21 Repair Digital Scan Converter Mount									-	-	-
4.2.4.5.3.22 Repair Power Supply Mount									-	-	-
4.2.4.5.4 Remove and install (R and I)											
4.2.4.5.4.1 Shop Replaceable Units (SRU)									-	-	-
4.2.4.5.4.2 Components									-	-	-
4.2.4.5.5 Operate peculiar test equipment									-	-	-
4.2.4.5.6 Inspect peculiar test equipment									-	-	-
4.2.4.5.7 Calibrate peculiar test equipment									-	-	-
4.3 COMMUNICATIONS / NAVIGATION SYSTEMS (SOF OFF-EQUIPMENT MAINTENANCE)											
4.3.1 AIC-38/40 INTERPHONE SYSTEM Using Test Program Sets (TPS) TR: 12R2-Series											
4.3.1.1 Perform Minimum Performance Check											
4.3.1.1.1 Communications Control Unit (CCU)									-	-	-
4.3.1.1.2 Communications Station Unit (CSU)									-	-	-
4.3.1.2 Troubleshoot											
4.3.1.2.1 Communications Control Unit (CCU)									-	-	-
4.3.1.2.2 Communications Station Unit (CSU)									-	-	-
4.3.1.3 Remove and install											
4.3.1.3.1 Shop Replaceable Units (SRU)									-	-	-
4.3.1.3.2 Components									-	-	-
4.3.2 AN/ARN-151 GPS System TR: 12R5-2ARN-151-2											
4.3.2.1 Perform minimum performance checks									-	-	-
4.3.2.2 Remove and install											
4.3.2.2.1 Shop Replaceable Units (SRU)									-	-	-
4.3.2.3 Operate Peculiar Test Equipment									-	-	-
4.3.2.4 Inspect Peculiar Test Equipment									-	-	-
4.3.2.5 Calibrate Peculiar Test Equipment									-	-	-
4.3.3 AN/APN-171 Radar Altimeter TR: 12P5-2APN-171-2											
4.3.3.1 Perform minimum performance checks									-	-	-
4.3.3.2 Align											
4.3.3.2.1 Line Replaceable Units (LRU)									-	-	-
4.3.3.2.2 Shop Replaceable Units (SRU)									-	-	-
4.3.3.3 Repair											

SOF PR Off Equipment TRAINING REQUIREMENTS											
1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Level	7 Level	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC	
4.3.3.3.1 Line Replaceable Units (LRU)									-	-	-
4.3.3.3.2 Shop Replaceable Units (SRU)									-	-	-
4.3.3.4 Remove and install											
4.3.3.4.1 Line Replaceable Units (LRU)									-	-	-
4.3.3.4.2 Shop Replaceable Units (SRU)									-	-	-
4.3.3.5 Operate Peculiar Test Equipment									-	-	-
4.3.3.6 Inspect Peculiar Test Equipment									-	-	-
4.3.3.7 Calibrate Peculiar Test Equipment									-	-	-
4.3.4 Inertial Navigation System TR: 33D7-44-369-1											
4.3.4.1 Perform minimum performance checks									-	-	-
4.3.4.2 Align									-	-	-
4.3.5 Inertial Navigation System TR: 33D7-44-369-1											
4.3.5.1 Perform minimum performance checks									-	-	-
4.3.5.2 Align											
4.3.5.2.1 Line Replaceable Units (LRU)									-	-	-
4.3.5.2.2 Shop Replaceable Units (SRU)									-	-	-
4.3.5.3 Repair											
4.3.5.3.1 Line Replaceable Units (LRU)									-	-	-
4.3.5.3.2 Shop Replaceable Units (SRU)									-	-	-
4.3.5.4 Remove and install											
4.3.5.4.1 Line Replaceable Units (LRU)									-	-	-
4.3.5.4.2 Shop Replaceable Units (SRU)									-	-	-
4.3.5.5 Operate Peculiar Test Equipment									-	-	-
4.3.5.6 Inspect Peculiar Test Equipment									-	-	-
4.3.5.7 Calibrate Peculiar Test Equipment									-	-	-
4.3.6 AAQ-18 Forward Looking Infrared System TR: 12S10-2AAQ18-22, 12S10- 2AAQ18-32											
4.3.6.1 Theory of Operation									-	-	-
4.3.6.2 Perform System Operational Check									-	-	-
4.3.6.3 Troubleshoot and Repair System									-	-	-
4.3.6.4 Perform operational check											
4.3.6.4.1 Infrared Receiver									-	-	-
4.3.6.4.2 Heat Exchanger									-	-	-
4.3.6.4.3 Afocal									-	-	-
4.3.6.4.4 Camera Head									-	-	-
4.3.6.4.5 Scanner/Phase Shift Lens									-	-	-
4.3.6.4.6 Evaluation Torquer									-	-	-
4.3.6.5 Perform Checks											
4.3.6.5.1 Focus Verification									-	-	-
4.3.6.5.2 Final Modulation									-	-	-
4.3.6.5.3 Minimal Resolvable Temperature									-	-	-
4.3.6.6 Perform Alignments											
4.3.6.6.1 Infrared Receiver									-	-	-

SOF PR Off Equipment TRAINING REQUIREMENTS										
1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
4.3.6.6.2 Scanner								-	-	-
4.3.6.6.3 Video Aux Control								-	-	-
4.3.6.6.4 Imager								-	-	-
4.3.6.6.5 Detector Dewar Focus								-	-	-
4.3.6.6.6 Detector Dewar Focus (IRAU)								-	-	-
4.3.6.6.7 Repeatable Point								-	-	-
4.3.6.6.8 Camera Assembly								-	-	-
4.3.6.6.9 Gain Balance								-	-	-
4.3.6.6.10 Reticle								-	-	-
4.3.6.6.11 Track FOV Focus								-	-	-
4.3.6.6.12 Camera Assembly Focus								-	-	-
4.3.6.6.13 Camera Head Assembly								-	-	-
4.3.6.6.14 Elevation Resolver								-	-	-
4.3.6.6.15 Elevation Synchro								-	-	-
4.3.6.6.16 Elevation Tach Generator								-	-	-
4.3.6.6.17 Elevation Resolver Backlash								-	-	-
4.3.6.6.18 Gimbal								-	-	-
4.3.6.6.19 Azimuth Synchro								-	-	-
4.3.6.6.20 Afocal Assembly Focus								-	-	-
4.3.6.6.21 Afocal Assembly FOV								-	-	-
4.3.6.7 Infrared Receiver										
4.3.6.7.1 Remove and install										
4.3.6.7.1.1 Shop Replaceable Units (SRU)								-	-	-
4.3.6.7.1.2 Components								-	-	-
4.3.6.7.2 Troubleshoot								-	-	-
4.3.6.8 Power Supply										
4.3.6.8.1 Perform operational check								-	-	-
4.3.6.8.2 Perform alignment								-	-	-
4.3.6.8.3 Remove and install										
4.3.6.8.3.1 Shop Replaceable Units (SRU)								-	-	-
4.3.6.8.3.2 Components								-	-	-
4.3.6.8.4 Troubleshoot								-	-	-
4.3.6.9 Electronic Control Amplifier (ECA)										
4.3.6.9.1 Perform operational check								-	-	-
4.3.6.9.2 Perform Alignment								-	-	-
4.3.6.9.3 Remove and install										
4.3.6.9.3.1 Shop Replaceable Units (SRU)								-	-	-
4.3.6.9.3.2 Components								-	-	-
4.3.6.9.4 Troubleshoot								-	-	-
4.3.6.10 Infrared Set Control										
4.3.6.10.1 Perform operational check								-	-	-
4.3.6.10.2 Perform Alignment								-	-	-
4.3.6.10.3 Remove and install										
4.3.6.10.3.1 Shop Replaceable Units (SRU)								-	-	-
4.3.6.10.3.2 Components								-	-	-

SOF PR Off Equipment TRAINING REQUIREMENTS											
1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Level	7 Level	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC	
4.3.6.10.4 Troubleshoot									-	-	-
4.3.6.11 Infrared Mount Base											
4.3.6.11.1 Perform operational check									-	-	-
4.3.6.11.2 Remove and install											
4.3.6.11.2.1 Shop Replaceable Units (SRU)									-	-	-
4.3.6.11.2.2 Components									-	-	-
4.3.6.12 FLIR Position Indicator (FPI) TR: Applicable Technical Orders and Local Checklists											
4.3.6.12.1 Perform operational check									-	-	-
4.3.6.12.2 Perform Alignment									-	-	-
4.3.6.12.3 Remove and install											
4.3.6.12.3.1 Shop Replaceable Units (SRU)									-	-	-
4.3.6.12.3.2 Components									-	-	-
4.3.6.12.4 Troubleshoot									-	-	-

CV-22 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
Attachment 5 CV-22 Training Requirements										
NOTE 1: The apprentice course, J3ABR2A2X1X048A, Communication/Countermeasures/Navigation Systems Apprentice, will use representative aircraft/trainers to accomplish the system specific training requirements as identified by the specific STS. The general training requirements section of the CFETP is used to code core competencies of the career field that will be taught in the apprentice course. The MDS specific attachments are to be used in conjunction with the general and common sections to identify work center requirements and annotate qualifications.										
NOTE 2: All course requirements are trained in the 3-level resident course during wartime.										
NOTE 3: Users are responsible for annotating training references to identify current references pending STS revision.										
NOTE 4: Items marked in Column 4A with both a proficiency code and a dash will be taught if equipment is available (Ex: 2b/-).										
NOTE 5: Items coded in Column 2A or 2B of the General Attachment are core tasks. If the STS line item identified with an “*” does not apply to a procedure, aircraft MDS, or equipment at a given base, the completion of the core task in the General Attachment is waived.										
NOTE 6: Address comments or recommend changes through the MAJCOM Functional Manager to the AETC Training Manager at DSN 736-7908										
5.1 CV-22 TRAINING REQUIREMENTS										
5.1.1 PARKING AND MOORING TR: 1V-22(C)B-2DB-1 (IETMS)										
5.1.1.1 Blade Fold Wing Stow Supervisor								-	-	-
5.1.1.2 Blade Fold Wing Stow Team Member								-	-	-
5.1.1.3 Perform Wing Stow								-	-	-
5.1.2 FIRE PROTECTION TR: 1V- 22(C)B-2DB-1 (IETMS)										
5.1.2.1 Theory of Operation and System Components								-	-	-
5.1.2.2 Locate Fire Protection System Components								-	-	-
5.1.3 FLIGHT CONTROLS										
5.1.3.1 Cyclic Flight Controls TR: 1V-22(C)B-2DB-1 (IETMS)										
5.1.3.1.1 Theory of Operation								-	-	-
5.1.3.1.2 Locate/Inspect Cyclic Flight Control Components								-	-	-
5.1.3.1.3 Perform Operational Checkout	*							-	-	-
5.1.3.1.4 Isolate Malfunctions	*							-	-	-
5.1.3.1.5 Advanced Troubleshooting		*						-	-	-
5.1.3.1.6 Remove/Install Cyclic Stick Grip Assy	*							-	-	-
5.1.3.1.7 Remove/Install Cockpit Control Position Transducers (CCPTs)	*							-	-	-
5.1.3.1.8 Rig CCPTs	*							-	-	-
5.1.3.1.9 Remove/Install Cockpit Control Force Drive Assy (CCFDA)	*							-	-	-
5.1.3.2 Thrust/Power Controls TR: 1V-22(C)B-2DB-1 (IETMS)										
5.1.3.2.1 Theory of Operation								-	-	-
5.1.3.2.2 Locate/Inspect Thrust/Power Control Components								-	-	-
5.1.3.2.3 Perform Operational Checkout	*							-	-	-
5.1.3.2.4 Isolate Malfunctions	*							-	-	-
5.1.3.2.5 Perform Advanced Troubleshooting		*						-	-	-
5.1.3.2.6 Remove/Install Cockpit Control Position	*							-	-	-

CV-22 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
Transducers (CCPTs)										
5.1.3.2.7 Rig CCPTs	*							-	-	-
5.1.3.2.8 Remove/Install Combined Cockpit Thrust Drive Actuator (CCTDA)	*							-	-	-
5.1.3.3 Yaw Controls TR: 1V- 22(C)B-2DB-1 (IETMS)										
5.1.3.3.1 Theory of Operation								-	-	-
5.1.3.3.2 Locate/Inspect Yaw Control Components								-	-	-
5.1.3.3.3 Perform Operational Checkout	*							-	-	-
5.1.3.3.4 Isolate Malfunctions	*							-	-	-
5.1.3.3.5 Advanced Troubleshooting		*						-	-	-
5.1.3.3.6 Remove/Install CCPTs	*							-	-	-
5.1.3.3.7 Rig CCPTs	*							-	-	-
5.1.3.3.8 Remove/Install CCFDAs	*							-	-	-
5.1.3.4 Panels and Processing										
5.1.3.4.1 Panels TR: 1V-22(C)B-2DB-1 (IETMS)										
5.1.3.4.1.1 Theory of Operation								-	-	-
5.1.3.4.1.2 Perform Operational Checkout								-	-	-
5.1.3.4.1.3 Isolate Malfunctions								-	-	-
5.1.3.4.1.4 Advanced Troubleshooting								-	-	-
5.1.3.4.2 Processing TR: 1V-22(C)B-2DB-1 (IETMS)										
5.1.3.4.2.1 Theory of Operation								-	-	-
5.1.3.4.2.2 Perform Operational Checkout	*							-	-	-
5.1.3.4.2.3 Isolate Malfunctions	*							-	-	-
5.1.3.4.2.4 Advanced Troubleshooting		*						-	-	-
5.1.3.4.2.5 Reprogram Flight Control Computers (FCCs)								-	-	-
5.1.3.5 Flight Controls Sensing TR: 1V-22(C)B-2DB-1 (IETMS)										
5.1.3.5.1 Theory of Operation								-	-	-
5.1.3.5.2 Perform Operational Checkout	*							-	-	-
5.1.3.5.3 Isolate Malfunctions	*							-	-	-
5.1.3.5.4 Advanced Troubleshooting		*						-	-	-
5.1.3.6 Flight Controls Actuation TR: 1V-22(C)B-2DB-1 (IETMS)										
5.1.3.6.1 Theory of Operation and Component Locations								-	-	-
5.1.3.6.2 Inspect Flight Control Actuation Components								-	-	-
5.1.3.6.3 Perform Operational Checkout	*							-	-	-
5.1.3.6.4 Isolate Malfunctions	*							-	-	-
5.1.3.6.5 Advanced Troubleshooting		*						-	-	-
5.1.4 FUEL SYSTEM										

CV-22 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
5.1.4.1 Fuel System TR: 1V- 22(C)B-2DB-1 (IETMS)										
5.1.4.1.1 Fuel System Operation Principles								-	-	-
5.1.4.1.2 Fuel System Operational Checkout								-	-	-
5.1.4.1.3 Isolate Malfunctions								-	-	-
5.1.4.1.4 Advanced Troubleshooting								-	-	-
5.1.4.2 Fuel Quantity Indicating TR: 1V-22(C)B-2DB-1 (IETMS)										
5.1.4.2.1 Theory of Operation								-	-	-
5.1.4.2.2 Perform Operational Checkout	*							-	-	-
5.1.4.2.3 Isolate Malfunctions	*							-	-	-
5.1.4.2.4 Advanced Troubleshooting		*						-	-	-
5.1.4.3 Fuel Flow/Center of Gravity Management TR: 1V-22(C)B-2DB-1 (IETMS)										
5.1.4.3.1 Theory of Operation								-	-	-
5.1.4.3.2 Perform Operational Checkout	*							-	-	-
5.1.4.3.3 Isolate Malfunctions								-	-	-
5.1.4.3.4 Advanced Troubleshooting								-	-	-
5.1.4.4 Ground Refuel/Defuel Panel TR: 1V-22(C)B-2DB-1 (IETMS)										
5.1.4.4.1 Theory of Operation								-	-	-
5.1.4.4.2 Perform Operational Checkout	*							-	-	-
5.1.4.4.3 Isolate Malfunctions								-	-	-
5.1.4.4.4 Advanced Troubleshooting								-	-	-
5.1.4.5 Fuel Management Units TR: 1V-22(C)B-2DB-1 (IETMS)										
5.1.4.5.1 Theory of Operation								-	-	-
5.1.4.5.2 Perform Operational Checkout	*							-	-	-
5.1.4.5.3 Isolate Malfunctions	*							-	-	-
5.1.4.5.4 Advanced Troubleshooting		*						-	-	-
5.1.4.5.5 Reprogram Fuel Management Units (FMU)		*						-	-	-
5.1.5 HYDRAULIC POWER										
5.1.5.1 #1 and #2 Hydraulics Systems TR: 1V-22(C)B-2DB-1 (IETMS)										
5.1.5.1.1 Theory of Operation and Component Locations								-	-	-
5.1.5.2 #3 Hydraulic System TR: 1V-22(C)B-2DB-1 (IETMS)										
5.1.5.2.1 Theory of Operation and Component Locations								-	-	-
5.1.6 ICE AND RAIN PROTECTION										
5.1.6.1 Ice Protection System Detection/Controls TR: 1V-22(C)B- 2DB-1 (IETMS)										
5.1.6.1.1 Locate and Inspect Components								-	-	-
5.1.6.1.2 Isolate Ice Protection Control System	*							-	-	-

CV-22 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
Malfunctions										
5.1.6.1.3 Advanced Troubleshooting		*						-	-	-
5.1.6.1.4 Load OFF								-	-	-
5.1.7 INDICATING AND RECORDING SYSTEM										
5.1.7.1 Instruments and Control Panels										
5.1.7.1.1 Standby Instruments TR: 1V-22(C)B-2DB-1 (IETMS)										
5.1.7.1.1.1 Theory of Operation								-	-	-
5.1.7.1.1.2 Perform Operational Checkout	*							-	-	-
5.1.7.1.1.3 Isolate Malfunctions	*							-	-	-
5.1.7.1.1.4 Advanced Troubleshooting		*						-	-	-
5.1.7.1.2 Control Panels TR: 1V- 22(C)B-2DB-1 (IETMS)										
5.1.7.1.2.1 Theory of Operation								-	-	-
5.1.7.1.2.2 Perform Operational Checkout	*							-	-	-
5.1.7.1.2.3 Isolate Malfunction	*							-	-	-
5.1.7.1.2.4 Advanced Troubleshooting		*						-	-	-
5.1.7.1.2.5 Remove/Install Flight Director Panel								-	-	-
5.1.7.1.2.6 Remove/Install Other Associated Components								-	-	-
5.1.7.2 Recording System										
5.1.7.2.1 Flight Incident Recorder TR: 1V-22(C)B-2DB-1 (IETMS)										
5.1.7.2.1.1 Theory of Operation								-	-	-
5.1.7.2.1.2 Perform Operational Checkout	*							-	-	-
5.1.7.2.1.3 Isolate Malfunctions								-	-	-
5.1.7.2.1.4 Advanced Troubleshooting		*						-	-	-
5.1.7.2.2 Vibration Structural Life and Engine Diagnostic (VSLED) TR: 1V-22(C)B-2DB-1 (IETMS)										
5.1.7.2.2.1 Theory of Operation								-	-	-
5.1.7.2.2.2 Perform Operational Checkout								-	-	-
5.1.7.2.2.3 Isolate Malfunctions								-	-	-
5.1.7.2.2.4 Advanced Troubleshooting								-	-	-
5.1.7.2.2.5 Reprogram VSLED Unit								-	-	-
5.1.8 NAVIGATION SYSTEM										
5.1.8.1 Flight Environment Data										
5.1.8.1.1 Radar Altimeter TR: 1V- 22(C)B-2DB-1 (IETMS)										
5.1.8.1.1.1 Theory of Operation								-	-	-
5.1.8.1.1.2 Perform Operational Checkout	*							-	-	-
5.1.8.1.1.3 Isolate Malfunctions	*							-	-	-
5.1.8.1.1.4 Advanced Troubleshooting		*						-	-	-
5.1.8.2 Attitude and Direction										
5.1.8.2.1 Lightweight Inertial Navigation System										

CV-22 TRAINING REQUIREMENTS										
1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
(LWINS) TR: 1V-22(C)B-2DB-1 (IETMS)										
5.1.8.2.1.1 Theory of Operation								-	-	-
5.1.8.2.1.2 Perform Operational Checkout	*							-	-	-
5.1.8.2.1.3 Isolate Malfunctions	*							-	-	-
5.1.8.2.1.4 Advanced Troubleshooting		*						-	-	-
5.1.8.2.1.5 Load OFF								-	-	-
5.1.8.3 Landing and Taxiing Aids										
5.1.8.3.1 Instrument Landing System (ILS) TR: 1V-22(C)B- 2DB-1 (IETMS)										
5.1.8.3.1.1 Theory of Operation								-	-	-
5.1.8.3.1.2 Perform Operational Checkout	*							-	-	-
5.1.8.3.1.3 Isolate Malfunctions	*							-	-	-
5.1.8.3.1.4 Advanced Troubleshooting		*						-	-	-
5.1.8.4 Dependant Positioning Determining System										
5.1.8.4.1 TACAN TR: 1V-22(C)B- 2DB-1 (IETMS)										
5.1.8.4.1.1 Theory of Operation								-	-	-
5.1.8.4.1.2 Perform Operational Checkout	*							-	-	-
5.1.8.4.1.3 Isolate Malfunctions	*							-	-	-
5.1.8.4.1.4 Advanced Troubleshooting		*						-	-	-
5.1.8.4.2 Miniature Airborne GPS Receiver (MAGR) TR: 1V- 22(C)B-2DB-1 (IETMS)										
5.1.8.4.2.1 Theory of Operation								-	-	-
5.1.8.4.2.2 Perform Operational Checkout	*							-	-	-
5.1.8.4.2.3 Isolate Malfunctions	*							-	-	-
5.1.8.4.2.4 Advanced Troubleshooting		*						-	-	-
5.1.8.4.2.5 Load OFF								-	-	-
5.1.8.4.3 3453 -Automatic Direction Finder (ADF) TR: 1V-22(C)B- 2DB-1 (IETMS)										
5.1.8.4.3.1 Theory of Operation								-	-	-
5.1.8.4.3.2 Perform Operational Checkout								-	-	-
5.1.8.4.3.3 Isolate Malfunctions								-	-	-
5.1.8.4.3.4 Advanced Troubleshooting								-	-	-
5.1.8.4.4 Transponder Set TR: 1V- 22(C)B-2DB-1 (IETMS)										
5.1.8.4.4.1 Theory of Operation								-	-	-
5.1.8.4.4.2 Perform Operational Checkout	*							-	-	-
5.1.8.4.4.3 Isolate Malfunctions	*							-	-	-
5.1.8.4.4.4 Advanced Troubleshooting		*						-	-	-
5.1.8.4.4.5 Utilize Crypto Code Loading Device	*							-	-	-
5.1.8.4.4.6 Use Test Equipment								-	-	-
5.1.9 AIRCRAFT WIRING										

CV-22 TRAINING REQUIREMENTS										
1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
5.1.9.1 Integrated Wiring System (IWS) Harness TR: 1V-22(C)B-2DB-1 (IETMS)										
5.1.9.1.1 Perform Continuity Checks								-	-	-
5.1.9.1.2 Inspect / Repair Miscellaneous IWS Harnesses								-	-	-
5.1.9.1.3 Remove / Install Miscellaneous IWS Harnesses								-	-	-
5.1.9.1.4 Isolate IWS Harness Malfunctions								-	-	-
5.1.9.2 Conventional Wire Harness TR: 1V-22(C)B-2DB-1 (IETMS)										
5.1.9.2.1 Perform Continuity Checks								-	-	-
5.1.9.2.2 Inspect / Repair Conventional Wire Harnesses								-	-	-
5.1.9.2.3 Remove / Install Conventional Wire Harnesses								-	-	-
5.1.9.2.4 Isolate Conventional Wire Harness Assembly Malfunctions								-	-	-
5.1.9.3 Hybrid Wire Harness TR: 1V-22(C)B-2DB-1 (IETMS)										
5.1.9.3.1 Perform Continuity Checks								-	-	-
5.1.9.3.2 Inspect / Repair Hybrid Wire Harnesses								-	-	-
5.1.9.3.3 Remove / Install Hybrid Wire Harnesses								-	-	-
5.1.9.3.4 Isolate Hybrid Wire Harness Assembly Malfunctions								-	-	-
5.1.10 COMMUNICATIONS										
5.1.10.1 Ultra, Super, and Extra High Frequency										
5.1.10.1.1 VHF/UHF Radios TR: 1V-22(C)B-2DB-1 (IETMS)										
5.1.10.1.1.1 Theory of Operation								-	-	-
5.1.10.1.1.2 Perform Operational Checkout	*							-	-	-
5.1.10.1.1.3 Isolate Malfunctions	*							-	-	-
5.1.10.1.1.4 Advanced Troubleshooting		*						-	-	-
5.1.10.1.1.5 Reprogram Radios	*							-	-	-
5.1.10.2 Audio Integrating										
5.1.10.2.1 Intercom Set TR: 1V-22(C)B-2DB-1 (IETMS)										
5.1.10.2.1.1 Theory of Operation								-	-	-
5.1.10.2.1.2 Perform Operational Checkout	*							-	-	-
5.1.10.2.1.3 Isolate Malfunctions	*							-	-	-
5.1.10.2.1.4 Advanced Troubleshooting		*						-	-	-
5.1.10.3 Satellite Communications										
5.1.10.3.1 Digital Burst Message Terminal TR: 1V-22(C)B-2DB-1(IETMS)										
5.1.10.3.1.1 Theory of Operation								-	-	-
5.1.10.3.1.2 Perform Operational Checkout								-	-	-
5.1.10.3.1.3 Isolate Malfunctions								-	-	-

CV-22 TRAINING REQUIREMENTS										
1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
5.1.10.3.1.4 Advanced Troubleshooting								-	-	-
5.1.10.3.2 SATCOM (1/2 Duplex) TR: 1V-22(C)B-2DB-1 (IETMS)										
5.1.10.3.2.1 Theory of Operation								-	-	-
5.1.10.3.2.2 Perform Operational Checkout								-	-	-
5.1.10.3.2.3 Isolate Malfunctions								-	-	-
5.1.10.3.2.4 Advanced Troubleshooting								-	-	-
5.1.11 SYSTEM INTEGRATION AND DISPLAY										
5.1.11.1 Acquisition										
5.1.11.1.1 Mission Computers TR: 1V-22(C)B-2DB-1 (IETMS)										
5.1.11.1.1.1 Theory of Operation								-	-	-
5.1.11.1.1.2 Perform Operational Checkout	*							-	-	-
5.1.11.1.1.3 Isolate Malfunctions	*							-	-	-
5.1.11.1.1.4 Advanced Troubleshooting		*						-	-	-
5.1.11.1.2 Mission Data Loader TR: 1V-22(C)B-2DB-1 (IETMS)										
5.1.11.1.2.1 Theory of Operation								-	-	-
5.1.11.1.2.2 Perform Operational Checkout	*							-	-	-
5.1.11.1.2.3 Isolate Malfunctions	*							-	-	-
5.1.11.1.2.4 Advanced Troubleshooting		*						-	-	-
5.1.11.1.2.5 Utilize Program Loader Cartridge Retrieve Maint./VSLED Data								-	-	-
5.1.11.1.2.6 Utilize Aircraft Maintenance Event Ground Station (AMEGS)								-	-	-
5.1.11.1.2.7 Analyze AMEGS Data								-	-	-
5.1.11.1.3 Interface Units (Signal Data Converters) TR: 1V-22(C)B-2DB-1 (IETMS)										
5.1.11.1.3.1 Theory of Operation								-	-	-
5.1.11.1.3.2 Perform Operational Checkout								-	-	-
5.1.11.1.3.3 Isolate Malfunctions								-	-	-
5.1.11.1.3.4 Advanced Troubleshooting								-	-	-
5.1.11.1.3.5 Load ABIU OFP								-	-	-
5.1.11.1.3.6 Load WIU OFP								-	-	-
5.1.11.1.3.7 Load NIU OFP								-	-	-
5.1.11.2 Processing and Integration										
5.1.11.2.1 Digital Map TR: 1V-22(C)B-2DB-1 (IETMS)										
5.1.11.2.1.1 Theory of Operation								-	-	-
5.1.11.2.1.2 Perform Operational Checkout	*							-	-	-
5.1.11.2.1.3 Isolate Malfunctions	*							-	-	-
5.1.11.2.1.4 Advanced Troubleshooting		*						-	-	-
5.1.11.2.2 Display TR: 1V-22(C)B-2DB-1 (IETMS)										

CV-22 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
5.1.11.2.2.1 Theory of Operation								-	-	-
5.1.11.2.2.2 Perform Display Operational Checkouts (MFD, CDU, RFIS)	*							-	-	-
5.1.11.2.2.3 Isolate Malfunctions	*							-	-	-
5.1.11.2.2.4 Advanced Troubleshooting		*						-	-	-
5.1.11.2.2.5 Reprogram Display Electronics Unit (DEU)								-	-	-
5.1.11.2.2.6 Reprogram CDU								-	-	-
5.1.11.2.2.7 Reprogram Keyboard								-	-	-
5.1.11.2.2.8 Remove / Install Multi-Function Displays (MFD)	*							-	-	-
5.1.11.2.3 NVG/Heads Up Display (HUD) TR: 1V-22(C)B-2DB-1 (IETMS)										
5.1.11.2.3.1 Theory of Operation								-	-	-
5.1.11.2.3.2 Perform NVG / HUD Operational Checkout								-	-	-
5.1.11.2.3.3 Isolate Malfunctions								-	-	-
5.1.11.2.3.4 Advanced Troubleshooting								-	-	-
5.1.12 FUSELAGE TR: 1V-22(C)B-2DB-1 (IETMS)										
5.1.12.1 Remove / Install Fuselage Panels								-	-	-
5.1.12.2 Remove / Install Cabin Floor Panels								-	-	-
5.1.13 NACELLES TR: 1V-22(C)B-2DB-1 (IETMS)										
5.1.13.1 Remove / Install Nacelle Structures and Panels								-	-	-
5.1.14 EMPENNAGE TR: 1V-22(C)B-2DB-1 (IETMS)										
5.1.14.1 Remove / Install Empennage Panels								-	-	-
5.1.15 WING / NACELLE										
5.1.15.1 Wing / Nacelle General TR: 1V-22(C)B-2DB-1 (IETMS)										
5.1.15.1.1 Remove / Install Wing Panels								-	-	-
5.1.16 Wing Stow Control TR: 1V-22(C)B-2DB-1 (IETMS)										
5.1.16.1 Theory of Operation								-	-	-
5.1.16.2 Locate and Inspect System Components								-	-	-
5.1.16.3 Perform System Operational Checkout								-	-	-
5.1.17 PROPROPOTOR SYSTEM										
5.1.17.1 Hub, Fairing and Pendulum Dampener TR: 1V- 22(C)B-2DB-1 (IETMS)								-	-	-
5.1.18 DRIVE SYSTEM										
5.1.18.1 Gearboxes Assemblies TR: 1V-22(C)B-2DB-1 (IETMS)										
5.1.18.1.1 Theory of Operation								-	-	-
5.1.18.1.2 Isolate Gearbox Indicating System Malfunctions								-	-	-

CV-22 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
5.1.18.1.3 Advanced Troubleshooting								-	-	-
5.1.18.2 Drive System Interface Unit (DSIU)										
5.1.18.2.1 Theory of Operation								-	-	-
5.1.18.2.2 Perform Operational Check								-	-	-
5.1.18.2.3 Load OFF								-	-	-
5.1.18.2.4 Remove/Install DSIU								-	-	-
5.1.19 BLADE FOLD										
5.1.19.1 Blade Fold Control System (BFCS) TR: 1V-22(C)B-2DB-1 (IETMS)										
5.1.19.1.1 Theory of Operation								-	-	-
5.1.19.1.2 Locate and Inspect System Components								-	-	-
5.1.19.1.3 Isolate Blade Fold Malfunctions								-	-	-
5.1.19.1.4 Advanced Troubleshooting								-	-	-
5.1.20 ENGINE OIL										
5.1.20.1 Engine Oil Indicating System TR: 1V-22(C)B-2DB-1 (IETMS)										
5.1.20.1.1 Theory of Operation								-	-	-
5.1.20.1.2 Isolate Engine Oil Indication System Malfunction								-	-	-
5.1.20.1.3 Advanced Troubleshooting								-	-	-
5.1.21 SURVEILLANCE SYSTEM										
5.1.21.1 Infrared Sensors										
5.1.21.1.1 Forward Looking Infrared (FLIR) TR: 1V-22(C)B- 2DB-1 (IETMS)										
5.1.21.1.1.1 Theory of Operation								-	-	-
5.1.21.1.1.2 Perform Operational Checkout	*							-	-	-
5.1.21.1.1.3 Isolate Malfunctions	*							-	-	-
5.1.21.1.1.4 Advanced Troubleshooting		*						-	-	-
5.1.21.1.2 Multi-Mode Radar TR: 1V-22(C)B-2DB-1 (IETMS)										
5.1.21.1.2.1 Theory of Operation								-	-	-
5.1.21.1.2.2 Perform Operational Checkout	*							-	-	-
5.1.21.1.2.3 Isolate Malfunctions	*							-	-	-
5.1.21.1.2.4 Advanced Troubleshooting		*						-	-	-
5.1.21.1.2.5 Alignment Confidence Check								-	-	-
5.1.21.1.2.6 Load OFF								-	-	-
5.1.21.1.2.7 Service Radar Pressurization Unit								-	-	-
5.1.22 SURVEILLANCE SYSTEM										
5.1.22.1 Multi-Mode Radar TR: 1V-22(C)B-2DB-1 (IETMS)										
5.1.22.1.1 Theory of Operation								-	-	-
5.1.22.1.2 Perform Operational Checkout	*							-	-	-
5.1.22.1.3 Isolate Malfunctions	*							-	-	-
5.1.22.1.4 Advance Troubleshooting		*						-	-	-
5.1.22.2 Multi-Mission Advanced Tactical										

CV-22 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
Terminal System (MATT) TR: 1V-22(C)B-2DB-1 (IETMS)										
5.1.22.2.1 Theory of Operation								-	-	-
5.1.22.2.2 Perform Operational Checkout	*							-	-	-
5.1.22.2.3 Isolate Malfunctions	*							-	-	-
5.1.22.2.4 Advance Troubleshooting		*						-	-	-
5.1.22.2.5 Reprogram MATT Receiver								-	-	-

HH-60 TRAINING REQUIREMENTS										
1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
6.2.14.1 Perform wing/tail walker duties								-	-	-
6.2.14.2 Brake Operator								-	-	-
6.2.14.3 Tow Vehicle Operator								-	-	-
6.2.14.4 Tow Supervisor								-	-	-
6.2.15 Fold/Unfold Helicopter										
6.2.15.1 Aircraft tear down								-	-	-
6.2.15.2 Aircraft build up								-	-	-
6.2.16 Perform aircraft inspections										
6.2.16.1 Special inspections								-	-	-
6.2.16.2 Periodic inspections								-	-	-
6.2.16.3 Iso-Phase inspections								-	-	-
6.3 COMMUNICATION SYSTEMS (HH-60(M)G) TR: Applicable system Technical Orders										
6.3.1 Interphone Communication System (ICS) TR: 1H-60(H)G-2-11/12/13										
6.3.1.1 Theory of Operation								-	-	-
6.3.1.2 Perform operational check	*							-	-	-
6.3.1.3 Remove and install										
6.3.1.3.1 ICS Junction Box	*							-	-	-
6.3.1.4 Isolate Malfunction Troubleshoot to LRUs	*							-	-	-
6.3.1.5 Perform Advance Troubleshooting Troubleshoot to other than LRUs		*						-	-	-
6.3.2 Ultra High Frequency (UHF) Radio ARC-164 TR: 1H-60(H)G-2-11/12/13										
6.3.2.1 Theory of Operation								-	-	-
6.3.2.2 Perform operational checks										
6.3.2.2.1 Normal	*							-	-	-
6.3.2.2.2 HAVE QUICK	*							-	-	-
6.3.2.3 Isolate Malfunction	*							-	-	-
6.3.2.4 Perform Advance Troubleshooting		*						-	-	-
6.3.3 Satellite Communication (SATCOM) Systems AN/ ARC-210 TR: 1H-60(H)G-2-11/12/13										
6.3.3.1 Theory of Operation								-	-	-
6.3.3.2 Perform operational check	*							-	-	-
6.3.3.3 Load OFF								-	-	-
6.3.3.4 Isolate Malfunction	*							-	-	-
6.3.3.5 Perform Advance Troubleshooting		*						-	-	-
6.3.4 Very High Frequency (VHF) Radio AN/ARC-222 TR: 1H-60(H)G-2-11/12/13										
6.3.4.1 Theory of Operation								-	-	-
6.3.4.2 Perform operational check	*							-	-	-

HH-60 TRAINING REQUIREMENTS										
1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
6.3.4.3 Isolate Malfunction	*							-	-	-
6.3.4.4 Perform Advance Troubleshooting		*						-	-	-
6.3.5 Secure Voice Systems TR: 1H-60(H)G-1-11/12/13										
6.3.5.1 KY-58 System										
6.3.5.1.1 Theory of Operation								-	-	-
6.3.5.1.2 Perform operational check	*							-	-	-
6.3.5.1.3 Remove and install								-	-	-
6.3.5.1.4 Isolate Malfunction Troubleshoot to LRUs	*							-	-	-
6.3.5.1.5 Perform Advance Troubleshooting Troubleshoot to other than LRUs		*						-	-	-
6.4 NAVIGATION SYSTEMS (HH-60(M)G) TR: Applicable system Technical Orders										
6.4.1 Identification Friend or Foe (IFF) System APX-100 TR: 1H-60(H)G-2-11/12/13										
6.4.1.1 Theory of Operation	*							-	-	-
6.4.1.2 Perform operational check	*							-	-	-
6.4.1.3 Isolate Malfunction	*							-	-	-
6.4.1.4 Perform Advance Troubleshooting		*						-	-	-
6.4.2 Civil Navigation Systems (AN/ARN-123, AN/ARN-147) TR: 1H-60(M)G-2-11/12/13										
6.4.2.1 Theory of Operation								-	-	-
6.4.2.2 Perform operational check	*							-	-	-
6.4.2.3 Remove and install Glide Slope Antenna	*							-	-	-
6.4.2.4 Isolate Malfunction	*							-	-	-
6.4.2.5 Perform Advance Troubleshooting		*						-	-	-
6.4.3 Tactical Air Navigation (TACAN) System ARN-118 TR: 1H-60(H)G-2-11/12/13										
6.4.3.1 Theory of Operation								-	-	-
6.4.3.2 Perform operational check	*							-	-	-
6.4.3.3 Isolate Malfunction	*							-	-	-
6.4.3.4 Perform Advance Troubleshooting		*						-	-	-
6.4.4 Inertial Navigation System (INS) TR: 1H-60(H)G-2-11/12/13										
6.4.4.1 Theory of Operation								-	-	-
6.4.4.2 Perform operational check	*							-	-	-
6.4.4.3 Isolate Malfunction	*							-	-	-
6.4.4.4 Perform Advance Troubleshooting		*						-	-	-
6.4.5 Global Positioning System (GPS) AN/ARN-151 TR: 1H-60(M)G-2-11/12/13										
6.4.5.1 Theory of Operation								-	-	-

HH-60 TRAINING REQUIREMENTS										
1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
6.4.5.2 Perform operational check	*							-	-	-
6.4.5.3 Remove and Install Receiver Mount and Harness Assembly	*							-	-	-
6.4.5.4 Isolate Malfunction	*							-	-	-
6.4.5.5 Perform Advance Troubleshooting		*						-	-	-
6.4.5.6 Perform minimum performance checks								-	-	-
6.4.6 Automatic Direction Finder Systems TR: 1H-60(M)G-2-11/12/13										
6.4.6.1 Automatic Direction Finder (ADF) System (ARN-89, ARN-149) TR: 1H-60(H)G-2-11/12/13										
6.4.6.1.1 Theory of Operation								-	-	-
6.4.6.1.2 Perform operational check	*							-	-	-
6.4.6.1.3 Remove and Install Quad Bay Antenna/Cover Assembly	*							-	-	-
6.4.6.1.4 Isolate Malfunction	*							-	-	-
6.4.6.1.5 Perform Advance Troubleshooting		*						-	-	-
6.4.6.2 UHF Direction Finder (UHFDF) DF- 301E TR: 1H-60(M)G-2-11/12/13										
6.4.6.2.1 Theory of Operation								-	-	-
6.4.6.2.2 Perform operational check	*							-	-	-
6.4.6.2.3 Isolate Malfunction	*							-	-	-
6.4.6.2.4 Perform Advance Troubleshooting								-	-	-
6.4.6.3 Lightweight Airborne Recovery System (LARS) AN/ARS-6 TR: 1H-60(H)G-2-11/12/13										
6.4.6.3.1 Theory of Operation								-	-	-
6.4.6.3.2 Perform operational check	*							-	-	-
6.4.6.3.3 Remove and install										
6.4.6.3.3.1 Receiver/Transmitter Mount	*							-	-	-
6.4.6.3.3.2 Blade Antenna Phase- Matched Cable	*							-	-	-
6.4.6.3.4 Isolate Malfunction	*							-	-	-
6.4.6.3.5 Perform Advance Troubleshooting		*						-	-	-
6.4.7 Doppler Navigation System AN/ASN-137 TR: 1H-60(H)G-2-11/12/13										
6.4.7.1 Theory of Operation								-	-	-
6.4.7.2 Perform operational Checks	*							-	-	-
6.4.7.3 Isolate Malfunction	*							-	-	-
6.4.7.4 Perform Advance Troubleshooting		*						-	-	-
6.4.8 System Interfaces TR: 1H-60(H)G-2-11/12/13										
6.4.8.1 Theory of Operation										
6.4.8.1.1 Control Display Unit (CDU)	*							-	-	-
6.4.8.1.2 Aircraft Junction Unit (AJU)	*							-	-	-

HH-60 TRAINING REQUIREMENTS										
1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
6.4.8.2 Perform Operational Check										
6.4.8.2.1 Control Display Unit (CDU)	*							-	-	-
6.4.8.2.2 Aircraft Junction Unit (AJU)	*							-	-	-
6.4.8.2.3 Load CDU Operational Flight Program (OFP)	*							-	-	-
6.4.8.3 Remove and install										
6.4.8.3.1 Pin Filtered Adapter (PFA)	*							-	-	-
6.4.8.3.2 Aircraft Junction Unit (AJU)		*						-	-	-
6.4.8.4 Isolate Malfunction	*							-	-	-
6.4.8.5 Perform Advance Troubleshooting		*						-	-	-
6.5 RADAR SYSTEMS (HH-60(M)G) TR: 1H-60(H)G-2-11/12/13										
6.5.1 Radar Altimeter System APN-209 TR: 1H-60(H)G-2-11/12/13										
6.5.1.1 Theory of Operation								-	-	-
6.5.1.2 Perform operational check	*							-	-	-
6.5.1.3 Isolate Malfunction	*							-	-	-
6.5.1.4 Perform Advance Troubleshooting		*						-	-	-
6.5.2 Voice Altitude Warning System (VAWS) TR: 1H-60(H)G-2-11/12/13										
6.5.2.1 Theory of Operation								-	-	-
6.5.2.2 Perform operational checks	*							-	-	-
6.5.2.3 Isolate Malfunction	*							-	-	-
6.5.2.4 Perform Advance Troubleshooting		*						-	-	-
6.5.3 Color Weather Radar (CWR) System AN/APN-239 TR: 1H-60(H)G-2-11-12-13										
6.5.3.1 Theory of Operation								-	-	-
6.5.3.2 Perform operational check	*							-	-	-
6.5.3.3 Remove and install										
6.5.3.3.1 Antenna	*							-	-	-
6.5.3.3.2 Antenna Drive Unit	*							-	-	-
6.5.3.3.3 Radar Indicator	*							-	-	-
6.5.3.3.4 Radome	*							-	-	-
6.5.3.4 Isolate Malfunction	*							-	-	-
6.5.3.5 Perform Advance Troubleshooting		*						-	-	-
6.6 MISSION SYSTEMS (HH-60(M)G) TR: 1H-60(H)G-2-11/12/13										
6.6.1 Forward Looking Infrared (FLIR) System (AN/AAQ-16B, AN/AAQ-29)										
6.6.1.1 Theory of Operation	*							-	-	-
6.6.1.2 Perform operational check	*							-	-	-
6.6.1.3 Remove and Install										
6.6.1.3.1 Turret FLIR Unit (TFU)	*							-	-	-
6.6.1.3.2 Lower Mount Plate Assembly		*						-	-	-
6.6.1.3.3 Upper Mount Plate Assembly		*						-	-	-

HH-60 TRAINING REQUIREMENTS										
1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
6.6.1.4 Isolate Malfunction	*							-	-	-
6.6.1.5 Perform Advance Troubleshooting		*						-	-	-
6.6.2 Multi-mission Advanced Tactical Terminal TR: 1H-60(H)G-2-122/12/13										
6.6.2.1 Theory of Operation								-	-	-
6.6.2.2 Perform operational check								-	-	-
6.6.2.3 Load Operational Flight Program (OFP) on the Tactical Terminal								-	-	-
6.6.2.4 Isolate Malfunction								-	-	-
6.6.2.5 Perform Advance Troubleshooting								-	-	-
6.6.3 Situational Awareness Data Link (SADL) TR: 1H-60(H)G-2-11/12/13										
6.6.3.1 Theory of Operation	*							-	-	-
6.6.3.2 Perform Operational Check	*							-	-	-
6.6.3.3 Load Ethernet Bridge OFP	*							-	-	-
6.6.3.4 Isolate Malfunction	*							-	-	-
6.6.3.5 Perform Advance Troubleshooting		*						-	-	-

AVIONICS FUNDAMENTALS TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Indicate Training/Information Provided		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	CDC
7.7.1 Theory								A	-	-
7.8 Digital Logic Circuits										
7.8.1 Theory								A	-	-
7.8.2 Gates								A	-	-
7.8.3 Flip Flops								A	-	-
7.8.4 Digital to Analog and Analog to Digital Converters								A	-	-
7.9 Basic Computer & Network Fundamentals										
7.9.1 Theory								A	-	-
7.9.2 Network Components								A	-	-
7.9.3 Protocols								A	-	-
7.9.4 Topologies (Architecture)								A	-	-
7.10 Basic Communications										
7.10.1 Radio Frequency Theory								A	-	-
7.10.2 Frequency Spectrum								A	-	-
7.10.3 Modulation (AM/FM)								A	-	-
7.10.4 Demodulation (AM/FM)								A	-	-
7.10.5 Receivers/Transmitters								A	-	-
7.10.6 Transmission Mediums Theory								A	-	-
7.10.7 Waveguides								A	-	-
7.10.8 Data Buses								A	-	-
7.10.9 Fiber Optics								A	-	-
7.10.10 Coaxial Cables								A	-	-
7.10.11 Antennas								A	-	-
7.11 Assemble Solder Type Connections										
7.11.1 Terminal Connection								1b	-	-
7.11.2 Multipin Connector								1b	-	-
7.11.3 Coaxial Connector								1b	-	-
7.11.4 Desolder Procedures								1b	-	-
7.12 Assemble Solderless Type Connections										
7.12.1 Coaxial Connector								1b	-	-
7.12.2 Multipin Connector								1b	-	-
7.12.3 Twin-axial Connector (Data Bus)								1b	-	-
7.12.4 Crimped Connection										
7.12.4.1 Terminal Lugs								1b	-	-
7.12.4.2 Wire Splice								1b	-	-
7.12.5 Shield Termination								1b	-	-
7.13 General Maintenance Practices										
7.13.1 Assemble Multipin Connector Harness								1b	-	-
7.13.2 Secure Cable Harness								1b	-	-
7.13.3 Use Safety Wire								1b	-	-
7.13.4 Troubleshooting Procedures										
7.13.4.1 Isolate Wire Open								1b	-	-
7.13.4.2 Isolate Wire Short								1b	-	-
7.13.4.3 Isolate Voltage Fault on Multipin Connector Harness								1b	-	-
7.13.4.4 Isolate Crossed Connection on Multipin Connector Harness								1b	-	-

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AEROSPACE MAINTENANCE CRAFTSMAN

		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 8 – 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.					
8.1.	MAINTENANCE PHILOSOPHY AND POLICY				
8.1.1.	Aircraft and Equipment Readiness TR: AFI 21-101				A
8.1.2.	Maintenance Concept TR: AFI 21-101 and AFI 21-129				A
8.1.3.	Reliability and Maintainability (R&M) TR: AFI 21-101, AFI 21-118 and TO 00-35D-54				A
8.1.4.	Operating Instructions (OI) TR: AFI 21-101 and AFI 33-360				A
8.1.5.	Maintenance Information Systems (MIS) TR: AFCSM 21-556 Volume 2, AFI 21-101, AFI 21-116, and TO 00-20-2				B
8.1.6.	Maintenance Metrics TR: AFI 21-103 and AFTTP 3-3				A
8.1.7.	Maintenance Repair Priorities TR: AFI 21-101				A
8.1.8.	Historical Aircraft and Equipment Records TR: AFI 21-101 and TO 00-20-1				A
8.2.	MAINTENANCE ORGANIZATION KEY LEADER RESPONSIBILITIES				
8.2.1.	Wing Commander (WG/CC) TR: AFI 21-101 and AFI 38-101				A
8.2.2.	Wing Vice Commander (WG/CV) TR: AFI 21-101 and AFI 38-101				A
8.2.3.	Maintenance Group Commander (MXG/CC) TR: AFI 21-101 and AFI 38-101				A
8.2.4.	Maintenance Group Deputy Commander (MXG/CD) TR: AFI 21-101				A
8.2.5.	MXG Superintendent (SUPT) TR: AFI 21-101				A
8.2.6.	Squadron Commander (SQ/CC) TR: AFI 21-101				A
8.2.7.	Maintenance Operations Officer (MOO)/Maintenance Superintendent (MX SUPT) TR: AFI 21-101				A
8.2.8.	Flight Commander/Flight Chief TR: AFI 21-101				A
8.2.9.	AMU OIC/Superintendent (SUPT) TR: AFI 21-101				A
8.2.10.	Section NCOIC/Chief TR: AFI 21-101				B
8.2.11.	Production Superintendent (Pro Super) TR: AFI 21-101				A
8.3.	FUNCTIONS OF MAINTENANCE OPERATIONS SQUADRON (MOS)				

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AEROSPACE MAINTENANCE CRAFTSMAN

1. Tasks Knowledge And Technical References	4. Proficiency Codes Used To Indicate Training/Information Provided			
	A 3-Skill Level	B 5-Skill Level	C 7-Skill Level	
	Course	CDC	Course	CDC
8.3.1. Maintenance Operations Flight (MOF) TR: AFI 21-101				A
8.3.2. Maintenance Training Flight (MTF) TR: AFI 21-101 and AFI 36-2232				A
8.3.3. Programs and Resources Flight TR: AFI 21-101				A
8.4. FUNCTIONS OF AIRCRAFT/HELICOPTER MAINTENANCE SQUADRON (AMXS/HMXS)				
8.4.1. Aircraft Maintenance Unit (AMU) TR: AFI 21-101				A
8.4.2. Flightline Expediter TR: AFI 21-101				A
8.4.3. Aircrew and Maintenance Debrief Section TR: AFI 21-101				A
8.4.4. Aircraft Section TR: AFI 21-101				A
8.4.5. Specialist Section TR: AFI 21-101				A
8.4.6. Weapons Section TR: AFI 21-101				A
8.4.7. Support Section TR: AFI 21-101				A
8.5. FUNCTIONS OF MAINTENANCE SQUADRON (MXS)				
8.5.1. Accessories Flight TR: AFI 21-101				A
8.5.2. Aerospace Ground Equipment (AGE) Flight TR: AFI 21-101				A
8.5.3. Armament Flight TR: AFI 21-101				A
8.5.4. Avionics Flight TR: AFI 21-101				A
8.5.5. Fabrication Flight TR: AFI 21-101				A
8.5.6. Maintenance Flight TR: AFI 21-101				A
8.5.7. Munitions Flight TR: AFI 21-101				A
8.5.8. Propulsion Flight TR: AFI 21-101				A
8.5.9. Test, Measurement, and Diagnostic Equipment (TMDE) Flight TR: AFI 21-101				A
8.6. MAINTENANCE TRAINING				
8.6.1. Types of Training TR: AFI 36-2232 and the ETCA site located at: https://etca.randolph.af.mil/				A
8.6.2. Training Documentation TR: AFI 21-101, AFI 36-2201 and AFI 36-2232				A
8.6.3. Training Business Area (TBA) TR: https://www.my.af.mil/imds/tpa/IMDSTWeb/ActionServlet				B
8.6.4. Special Certification Rosters TR: AFI 21-101				A
8.6.5. Maintenance Qualification Program (MQP) TR: AFI 21-101, AFI 36-2232 and AFD 10-9				A

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AEROSPACE MAINTENANCE CRAFTSMAN

1. Tasks Knowledge And Technical References	4. Proficiency Codes Used To Indicate Training/Information Provided			
	A 3-Skill Level	B 5-Skill Level	C 7-Skill Level	
	Course	CDC	Course	CDC
8.6.6. Training Management TR: AFI 36-2201, AFI 36-2232, AFI 21-101 and AETCI 36-2601				
8.6.6.1. Training Forecast				A
8.6.6.2. Training Request				A
8.6.6.3. Master Training Plan				A
8.7. PERSONNEL RESOURCE MANAGEMENT				
8.7.1. Unit Manpower Document (UMD) and Unit Personnel Manpower Roster (UPMR) TR: AFI 36-2110, AFI 38-201 and AFTTP 3-3				A
8.7.2. Personnel Utilization TR: AFI 21-101				A
8.8. MAINTENANCE SUPPLY				
8.8.1. Logistics Readiness Squadron (LRS) Supply Support TR: AFI 21-101, AFMAN 23-110 (Vol. 1) and AFTTP 3-3				A
8.8.2. Readiness Spares Packages TR: AFI 21-101, AFMAN 23-110 and AFTTP 3-3				A
8.8.3. Consumables Management TR: AFI 21-101, AFMAN 23-110 and AFTTP 3-3				A
8.8.4. Equipment Items TR: AFI 21-101, AFMAN 23-110 and AFMAN 23-220				A
8.8.5. Supply Assets Requiring Functional Check, Calibration, or Operational Flight Programming TR: AFI 21-101, AFMAN 23-110 and TO 00-20-3				A
8.8.6. Precious Metals Recovery Program TR: AFI 21-101 and AFMAN 23-110				A
8.8.7. Supply Points TR: AFI 21-101 and AFMAN 23-110				A
8.8.8. Local Manufacture TR: AFI 21-101				A
8.8.9. Repair Cycle Assets TR: AFI 21-101 and AFMAN 23-110				A
8.8.10. Supply Management Products TR: AFI 21-101 and AFMAN 23-110				A
8.8.11. Tail Number Bins (TNB) TR: AFI 21-101 and AFMAN 23-110				A
8.8.12. Maintenance Repair/Supply Delivery Priorities TR: AFI 21-101 and AFMAN 23-110				A
8.8.13. Classified Assets TR: AFI 21-101, AFJI 31-102, TO 00-5-1 and TO 00-20-1				A
8.8.14. Hazardous Materials TR: AFI 21-101, AFI 32-7086 and AFI 90-821				A
8.8.15. Supply Deficiency and Discrepancy Reporting TR: AFI 21-101, AFMAN 23-110 and TO 00-35D-54				B
8.8.16. Special Handling of Supply Assets Containing Hazardous Materials TR: AFI 24-203, AFI 32-7086, AFMAN 23-110, TO 42B2-1-3, and TO 6J3-1-1				A
8.8.17. Maintenance Supply Liaison TR: AFI 21-101 and AFMAN 23-110				A
8.9. TECHNICAL ORDER MANAGEMENT				
8.9.1. Technical Orders Distribution Process TR: AFI 21-101, AFI 63-101, AFTTP 3-3 and TO 00-5-1				A
8.9.2. Time Compliance Technical Orders (TCTO) TR: TO 00-5-15				A

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AEROSPACE MAINTENANCE CRAFTSMAN

1. Tasks Knowledge And Technical References	4. Proficiency Codes Used To Indicate Training/Information Provided			
	A 3-Skill Level	B 5-Skill Level	C 7-Skill Level	
	Course	CDC	Course	CDC
8.9.3. Technical Order Change Process TR: AFI 21-303				A
8.9.4. Technical Order Waivers TR: AFI 21-101 and AFI 21-303				A
8.10. MAINTENANCE REQUIREMENTS AND PROGRAMS				
8.10.1. Cannibalization Program TR: AFI 21-101 and AFTTP 3-3				A
8.10.2. Restricted Maintenance Areas TR: AFI 21-101				A
8.10.3. Red Ball Maintenance TR: AFI 21-101				A
8.10.4. Aircraft/Equipment Impoundment Program TR: AFI 21-101				A
8.10.5. Foreign Object Damage (FOD) Program TR: AFI 21-101, AFI 36-2232 and AFTTP 3-3				A
8.10.6. Dropped Object Prevention (DOP) Program TR: AFI 21-101				A
8.10.7. Tool Management TR: AFI 21-101				A
8.10.8. Tool Accountability TR: AFI 21-101				A
8.10.8.1. Marking and Tool Identification TR: AFI 21-101				A
8.10.8.2. Locally Manufactured, Developed, or Modified Tools and Equipment TR: AFI 21-101				A
8.10.8.3. Lost Item/Tool Procedures TR: AFI 21-101				A
8.10.9. Maintenance Recovery Team TR: AFI 21-101				A
8.11. QUALITY ASSURANCE (QA) PROGRAM				
8.11.1. Maintenance Standardization and Evaluation Program (MSEP) TR: AFI 21-101 and AFTTP 3-3				A
8.11.2. QA Product Improvement Program TR: AFI 21-101				A
8.11.3. Configuration Management (CM) and Modification Management TR: AFI 21-101				A