

AFSC 2A6X6

AIRCRAFT ELECTRICAL AND ENVIRONMENTAL SYSTEMS



CAREER FIELD EDUCATION AND TRAINING PLAN

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CAREER FIELD EDUCATION AND TRAINING PLAN
AIRCRAFT ELECTRICAL AND ENVIRONMENTAL SYSTEMS SPECIALTY
AFSC 2A6X6

PART I

PREFACE

1. The 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 2A6X6, Aircraft Electrical and Environmental Systems Specialty. The CFETP will provide personnel a clear career path to success and instills rigor in all aspects of career field training. This CFETP supersedes 2A6X6 CFETP, 1 July 2015.

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, training, and other). Section D indicates resource constraints to accomplishing this plan, such as funds, manpower, equipment, and facilities. Section E identifies transition training guide requirements for SSgt through MSgt.

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

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

ABBREVIATIONS/TERMS EXPLAINED

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

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.

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

Core Task. Tasks that the Air Force Career Field Manager (AFCFM) identifies as minimum qualification requirements within an Air Force Specialty regardless of duty position. Only a percentage of critical tasks for each system are listed as mandatory core tasks. This gives units needed flexibility to manage their workforce training. Core tasks, which 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).

Course Objective List (COL). A publication identifying the tasks and knowledge requirements, and respective standards provided to achieve a 3-level in this career field. Supervisors use the COL to assist in conducting graduate evaluations in accordance with AFI 36-2201, Training Development, Delivery and Evaluation.

Course Training Standard and description (CTS). Develop a CTS for all courses not governed by an STS including specialized training packages and Type 6 courses. CTSs identify the training and level of proficiency to be provided in a specific course. The document serves as a contract between AETC and its customers. Optional supplemental training requirements are identified in CTSs. A CTS is not required for courses programmed to be taught less than 1 year and for orientation, refresher, seminar, and symposium courses that are 10 academic days or fewer in length. A CTS can be developed using task or knowledge statements with proficiency codes or behavioral statements which describe training requirements without the use of proficiency codes.

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.

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. Training that leads to 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.

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

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

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

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

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

Specialty Training Requirements Team (STRT). A forum, co-chaired by the AFCFM and Training Pipeline Manager, of MAJCOM Air Force Specialty Code (AFSC) functional managers, Subject Matter Experts (SMEs), and AETC training personnel that determines career ladder training requirements.

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 and exportable courses.

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. A mixture of mandatory courses, task qualification, and QTPs for award of the 3-, 5-, 7-, or 9-skill levels.

SECTION A - GENERAL INFORMATION

1. Purpose of the CFETP. This CFETP provides the information necessary for Air Force Career Field Manager (AFCFM), MAJCOM functional managers (MFMs), commanders, training managers, supervisors, and trainers to plan, develop, manage, and conduct an effective career field training program. This plan outlines the training that individuals in AFSC 2A6X6 should receive in order to develop and progress throughout their career. This CFETP identifies initial skill, upgrade, qualification, advanced, and proficiency training. Initial skills training is the AFS specific training an individual receives upon entry into the Air Force or upon retraining into this specialty for award of the 3-skill level. This training is conducted by AETC at Sheppard AFB, TX. Upgrade training identifies the mandatory courses, task qualification requirements, and correspondence course completion requirements for award of the 3-, 5-, 7-, 9-skill levels. Qualification training is 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 skills/knowledge required to do the job. Advanced training is formal specialty training used for selected airmen. Proficiency training is 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. The CFETP has several purposes, some are:

- 1.1. Serves as a management tool to plan, manage, conduct, and evaluate a career field training program. Also, it is used to help supervisors identify training at the appropriate point in an individual's career.
- 1.2. Identifies tasks and knowledge training requirements for each skill level in the specialty and recommends education/training throughout each phase of an individual's career.
- 1.3. Lists training courses that are available in the specialty and identifies sources of training, and the training delivery method.
- 1.4. Identifies major resource constraints, which impact full implementation of the desired career field training process.
- 1.5. Identifies Reserve and ANG training constraints by identifying operational core tasks.

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, Training Detachment (TD), and exportable training based upon requirements established by the users and documented in Part II of the CFETP. They will also work with the AFCFM to develop acquisition strategies for obtaining the resources needed to provide the identified training.

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

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. **Coordination and Approval.** The AFCFM is the approval authority. The AETC training manager for AFSC 2A6X6 will initiate an annual review of this document by AETC and MFM to ensure currency and accuracy. The using MAJCOM representatives and AETC training personnel will identify and coordinate on the career field training requirements. Using the list of courses in Part II, they will eliminate duplicate training.

SECTION B - CAREER FIELD PROGRESSION AND INFORMATION

4. Specialty Descriptions.

4.1. Specialty Summary. Refer to Air Force Enlisted Classification Directory (AFECD), Part I. Performs and supervises integrated aircraft electrical and environmental (E&E) functions and activities. Troubleshoots, inspects, removes, installs, repairs, modifies, overhauls, and operates aircraft E&E systems, components, and associated support equipment. Related DoD Occupational Subgroup: 160200. https://gum-crm.csd.disa.mil/app/answers/detail/a_id/7504/kw/afecd

4.2. Duties and Responsibilities: Refer to AFECD. https://gum-crm.csd.disa.mil/app/answers/detail/a_id/7504/kw/afecd

4.2.1. Aircraft Electrical and Environmental Systems Apprentice and Journeyman:

4211. Inspects, troubleshoots, and maintains integrated aircraft E&E systems, subsystems, components, wiring, and associated test equipment. E&E on-equipment systems include direct and alternating current; gas turbine compressors and auxiliary power units; landing gear, anti-skid, and nose wheel steering; electronic engine control, ignition, and starting; lighting; master caution and warning; take-off warning; flight control; cargo door and cargo delivery equipment; non-electro static application (NESA) windows; anti-icing; fire and overheat warning; fire extinguishing and suppression; fuel control; liquid cooling; air conditioning, bleed air, cabin pressurization, and auxiliary pressurization; oxygen; and aircraft utility systems.

4212. Performs off-equipment maintenance on E&E system components and associated test equipment. Included are control, protection, caution, and warning panels; lighting equipment; frequency and load controls; anti-icing controllers; inverters; voltage regulators; nose wheel steering and anti-skid amplifiers; generators and integrated drive generators; actuators, relays, motors, and valves; lighting equipment; fire and overheat panels; fire extinguishing equipment; aircraft batteries; aircraft oxygen system components and special equipment testers. Performs cryogenic maintenance on mobile aircraft servicing units. Maintains, repairs, and fabricates electrical wiring, harnesses, and connectors. Uses electrical, electronic, pneumatic, and other test and support equipment. Maintains compressed gas equipment.

4213. Inspects and evaluates aircraft E&E maintenance activities. Determines operational status of assigned assets. Interprets inspection findings and determines corrective actions. Ensures compliance with technical publications and directives. Records pertinent data on equipment maintenance data collection (MDC) forms and/or enters data into automated maintenance data systems. Handles, labels, and disposes of hazardous materials and waste according to local, state, federal, and international environmental standards.

4.2.2. Aircraft Electrical and Environmental Systems Craftsman:

4221. Inspects, analyzes, troubleshoots, and maintains aircraft E&E systems, associated components, subsystems, and test equipment. Advises on problems operating and maintaining aircraft E&E systems, associated electronic components, subsystems, and test equipment. Solves maintenance problems using wiring diagrams, schematic diagrams, and technical publications by analyzing operating characteristics of E&E systems. Determines proper maintenance procedures to repair and return systems and components to maximum efficiency. Diagnoses malfunctions and recommends corrective actions. Checks installed and repaired components to ensure compliance with technical publications and directives. Evaluates requirements and prepares quality deficiency reports. Supervises and evaluates

job performance and maintenance techniques used to interpret, operate, troubleshoot, remove, repair, service, overhaul, and install aircraft E&E systems and components. Provides training and task certification for skill level advancement. Ensures compliance with published safety guidelines. Records pertinent data on equipment maintenance data collection (MDC) forms and/or enters data into automated maintenance data systems. Ensures hazardous materials and waste are handled, stored, and disposed of according to local, state, federal, and international environmental standards.

4.2.3. Maintenance Superintendent:

Manages maintenance and staff functions on aircraft E&E, hydraulic, fuel, and aircrew egress systems. Interprets and evaluates directives and publications, inspection findings, records, and reports and recommends corrective actions. Determines operational status and evaluates operational effectiveness of aircraft and associated systems. Inspects and evaluates maintenance activities and resolves problems. Interprets and establishes safety and training guidelines. Plans, organizes, and directs troubleshooting and repair activities of maintenance personnel. Establishes priorities for completion of maintenance tasks and provides assistance in solving maintenance, supply, and personnel problems. Performs supervisory inspections of, and directs maintenance actions on aircraft systems and components. Evaluates aircraft and system failures to determine need to submit quality deficiency reports. Controls resources, funds, and cost management. Manages handling, storing, and disposing of hazardous materials and waste according to local, state, federal, and international environmental standards.

5. Skill/Career 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.

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

5.2. Journeyman (5-level): Once upgraded to the 5-level, the journeyman will enter into continuation training to broaden their experience base by increasing their knowledge and skill in troubleshooting and solving more complex problems. Five-levels may be assigned job positions such as quality assurance and various staff positions. After having 48 months in the Air Force, 5-levels will attend Airman Leadership School (ALS) to enhance their Professional Military Education (PME). Five-levels will be considered for appointment as unit trainers. 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, expeditor, section chief, and task certifier. They may also be assigned to work in staff positions. Craftsmen should take courses to obtain added knowledge on management of resources and personnel. Continued academic education through CCAF and higher degree programs is highly encouraged. In addition, when promoted to TSgt, individuals will complete the Noncommissioned Officer Academy.

5.4 Superintendent (9-level): A 9-level can be expected to fill positions such as flight chief, production superintendent, and various staff NCOIC jobs. Additional training in the areas of budget, manpower, resources, and personnel management should be pursued through continuing education. Individuals promoted to SMSgt will complete the Senior Noncommissioned Officer Academy. 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 Aircraft E&E Systems Career Field. The spectrum includes a strategy for when, where, and how to meet these training requirements. The strategy must ensure we develop affordable training, eliminate duplication, and prevent a fragmented approach to training. Training decisions were made by MAJCOM Functional Managers and Subject Matter Experts (SMEs) at the career field Utilization and Training Workshop held at Sheppard AFB, 7-11 May 2018.

6.1. Proficiency Training. Any additional knowledge and skill requirements, which were not taught through initial skills or upgrade training, were assigned to continuation training. The purpose of the continuation training program is to provide additional training exceeding minimum upgrade training requirements with emphasis on present and future duty positions. MAJCOMSs must ensure individuals in Aircraft E&E Systems career field receive the necessary training at the appropriate point in their career.

7. Community College of the Air Force (CCAF). CCAF offers and awards job-related associate in applied science degrees and other academic credentials that enhance mission readiness, contribute to recruiting, assist in retention and support the career transitions of Air Force enlisted members. The college works with Air Force training centers, regional accrediting agencies, and hundreds of cooperating civilian colleges and universities. Since the technical nature of most Air Force courses places them on a level with college study, Airmen earn fully recognized college credits for most of what they learn in formal coursework and on-the-job training. Enrollment in CCAF occurs upon completion of basic military training. CCAF provides the opportunity to obtain an Aviation Maintenance Technology Associates Degree in Applied Science. In addition to its associate degree program, CCAF offers the following:

7.1. Federal Aviation Administration (FAA) Airframe and Powerplant (A&P) Certification. Air Force aircraft maintenance technicians are eligible to pursue FAA A&P certification based on training and experience in accordance with Federal Aviation Regulation Part 65. The DoD established the Joint Service Aviation Maintenance Technician Certification Council (JSAMTCC) to standardize the eligibility and certification process for the military and provide direction and resources necessary to fill the gaps within military training and experience. Completing the Air Force A&P Certification Program, managed by CCAF, will fill training and experience gaps, ensuring FAA eligibility. The program consists of three Air University Online A&P Specialized Courses, OJT and experience requirements contained in a Qualification Training Package (QTP). Technicians may enroll in the program once they have been awarded the 5-skill level. To learn more, visit CCAF at <http://www.au.af.mil/au/ccaf/certifications.asp>. CCAF awards 30 semester hours for FAA A&P certification and 18 semester hours for FAA Airframe or Powerplant certification.

7.2. SpaceTEC Aerospace Technician Certification. Air Force aircraft maintenance technicians are eligible to pursue SpaceTEC Aerospace Technician certification based on aviation training and experience. SpaceTEC certification is endorsed by NASA and the Aerospace industry. Air University Online offers a Specialized Course to assist technicians prepare for the Aerospace Technician certification exams. To learn more, visit SpaceTEC at <http://www.spacetec.org/> or CCAF at <http://www.au.af.mil/au/ccaf/certifications.asp>. CCAF awards 25 semester hours for the SpaceTEC Aerospace Technician certification.

7.3. CCAF Instructor Certification (CIC) Program. CCAF offers the three-tiered CIC Program for qualified instructors teaching at CCAF affiliated schools who have demonstrated a high level of professional accomplishment. The purpose of the certifications is to recognize the outstanding instructor training provided to prepare them to teach CCAF collegiate courses. The certifications also formally acknowledge the instructor's advanced levels of qualifications and experience. Upon completion of the CCAF Faculty Development Program, consisting of the Basic Instructor Course (BIC) and CCAF Teaching Internship, CCAF instructors who complete program requirements may be nominated for certification by their school commander or commandant. The CIC Program replaced the CCAF Occupational Instructor Certification Program.

7.4. CCAF Instructional Systems Development (ISD) Certification Program. CCAF offers the ISD Certification Program for qualified course/curriculum developers and managers who are formally assigned at CCAF affiliated schools to develop and manage CCAF collegiate courses. The purpose of the certification is to recognize the course/curriculum developer's or manager's extensive training, education, qualifications and experience required to develop and manage CCAF courses. Course/curriculum developers and managers who complete program requirements may be nominated for certification by their school commander, commandant or faculty development chief.

7.5. CCAF Professional Manager Certification (PMC). CCAF offers the PMC Program for Air Force SNCO's. The purpose of the certification is to formally recognize the individual's outstanding education and training required to lead and manage Air Force personnel and critical national defense assets. It also acknowledges the individuals management qualifications and experience in managing Air Force resources. Qualified Air Force enlisted personnel are eligible to pursue this certification. SNCO's who complete program requirements may be nominated for certification by their unit commander or commandant.

7.6. Air Force Credentialing Opportunities On-Line (AF COOL) Program. AF COOL replaced the CCAF Credentialing and Education Research Tool (CERT). The AF COOL Program can be accessed at <https://afvec.langley.af.mil/afvec/Public/COOL/Default.aspx>. The site provides a research tool designed to increase an Airman's awareness of national professional credentialing and CCAF education opportunities available for all Air Force occupational specialties. The AF COOL Program also provides information on specific occupational specialties, civilian occupational equivalencies, CCAF degree programs, and AFSC-related national professional credentials available to enlisted members through credentialing agencies and professional organizations. The AF COOL Program contains a variety of information about credentialing and licensing and can be used to:

- Get background information about civilian licensure and certification in general and specific information on individual credentials including eligibility requirements and resources to prepare for an examination.
- Identify licenses and certifications relevant to an AFSC. Learn how to fill gaps between Air Force training and experience and civilian credentialing requirements.
- Get information on Tuition Assistance and GI Bill eligible funding opportunities to pay for credentialing examinations and associated fees.
- Learn about resources available to Airmen that can help them gain civilian job credentials.

7.7. CCAF 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:

	<u>Semester Hours</u>
Technical Education	24
Leadership, Management, and Military Studies	6
Physical Education.....	4
General Education.....	15
Program Elective	<u>15</u>
(Technical Education; Leadership, Management, and Military Studies; or General Education)	

Total 64

7.7.1. Technical Education (24 Semester Hours): A minimum of 12 semester hours of Technical Core subjects and courses must be applied and the remaining semester hours applied from Technical Core or Technical Elective subjects and courses. Completion of the initial skills resident training at Sheppard AFB TX satisfies all or part of the technical education requirement.

7.7.2. Leadership, Management, and Military Studies (6 Semester Hours): Professional Military Education (PME) and/or civilian management courses.

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

7.7.4. 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.

7.7.5. Program Elective (15 Semester Hours): Satisfied using credit otherwise not used toward degree requirements; however, applicable as Technical Education; Leadership, Management, and Military Studies (LMMS) or General Education subjects and courses. Nine 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. <http://www.au.af.mil/au/catalogs.asp>

7.8. Air Education and Training Command (AETC) Instructor Requirements: Additional off-duty education is a personal choice that is encouraged for all. Individuals desiring to become an AETC instructor should be actively pursuing an associate degree. A degreed faculty is necessary to maintain accreditation through the Southern Association of Colleges and Schools.

8. Career Field Path

NOTE: For the latest information, go to USAF Career Path Tool at <https://afvec.langley.af.mil/af-cpt>.

8.1. The Enlisted Development Team (EDT) is the deliberate force development steering group for the Aircraft Maintenance Career Fields. The EDT outlines the training, education, and experience requirements for critical Aircraft Maintenance duty positions, and provides recommendations for the best qualified SNCOs into key these leadership positions across the Air Force. The EDT also identifies other developmental opportunities for Aircraft Maintenance SNCOs to facilitate their deliberate development. These recommendations or vectors are the EDT's collective recommendation for experience level, training and/or education opportunity, or position type that a member should be considered and seek out for professional growth. Vectoring will consist of recommendations for identified positions (i.e. development, leadership and strategic positions) within the Aircraft Maintenance construct for which a member should be considered in subsequent assignments, but will not identify a specific location of assignment.

8.2. Enlisted Career Path. Table 8.1 identifies career milestones for the 2A6X6 AFSC.

Table 8.1 Enlisted Career				
Education and Training Requirements	Grade Requirements			
	Rank	Average Sew-On	Earliest Sew-On	High Year Of Tenure
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.	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 an SSgt Selectee. - Resident graduation is a prerequisite for SSgt sew-on (Active Duty Only).				
<u>Trainer</u> - Qualified and certified to perform the task to be trained. - Must attend the Air Force Training Course	<u>Certifier</u> - Be at least a 5-skill level SSgt; and qualified and certified to perform the task being certified - Must attend the Air Force Training 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.	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	11.44 years	5 years	20 years
	MSgt	16.23 years	8 years	24 years
USAF Senior NCO Academy (SNCOA) - Must be a SMSgt or SMSgt Selectee. - Resident graduation is a prerequisite for CMSgt sew-on (Active Duty Only). - A percentage of top non-select (for promotion to E-8) MSgts attend the SNCOA each year. Upgrade To Superintendent (9-Skill Level) - Minimum rank of SMSgt.	SMSgt	20.35 years	11 years	26 years
Chief Enlisted Manager (CEM)	CMSgt	23.98 years	14 years	30 years

SECTION C - SKILL LEVEL TRAINING REQUIREMENTS

9. Purpose. Skill level training requirements in the 2A6X6 career field are defined in terms of tasks and knowledge requirements. This section outlines the specialty qualification requirements for each skill level in broad, general terms and establishes the mandatory requirements for entry, award, and retention of each skill level. The specific tasks and knowledge training requirements are identified in Part II, Section E, Specialty Training Standard (STS).

10. Training Requirements. The various skill levels in this career field are defined in terms of tasks and knowledge proficiency requirements for each skill level. They are stated in broad general terms and establish the standards of performance. Unit work centers must develop a structured training program to ensure the following requirements are met.

10.1. Apprentice Level Training.

10.1.1. Specialty Qualification: This information will be located in the official specialty description in AFECD. https://gum-crm.csd.disa.mil/app/answers/detail/a_id/7504/kw/afecd

10.1.1.1. Knowledge: Knowledge of the following is mandatory: electrical, electronic, and mechanical principles applying to aircraft E&E systems; concepts and application of maintenance directives; using and interpretation of wiring diagrams, blueprints, and technical orders; and proper handling, use, and disposal of hazardous waste materials in accordance with local, state, federal, and international environmental standards. Apprentices must be qualified to remove and install system components, perform operational checks, and troubleshoot simple malfunctions using system schematics.

- 10112 Education:** For entry into this specialty, completion of high school with courses in basic electronics, mathematics, general science and mechanics is desirable.
- 10113 Training:** For award of AFSC 2A636, completion of a basic aircraft E&E systems maintenance course is mandatory.
- 10114 Experience:** There is no experience necessary for entry into AFSC 2A636.
- 10115 Other:** For entry into this specialty, normal color vision as defined in AFI 48-123, *Medical Examinations and Standards*, is mandatory.

10.1.2. Training Sources and Resources. The initial skills course, J3ABR2A636 0A9C, Aircraft Electrical and Environmental Systems Apprentice will provide the required knowledge and qualifications. Initial skills training encompasses E&E system theory and operation, electrical and electronic principles, system components, component removal and installation, introduction to maintenance concepts, general flight line and shop maintenance practices, use of technical publications, maintenance documentation, and support equipment familiarization and use.

10.1.3. Implementation. Upon graduation from Basic Military Training, airmen are assigned to the 82d Training Wing for completion of Course J3ABR2A636 0A9C, Aircraft Electrical and Environmental Systems Apprentice. Completion of this course will result in award of the 3-skill level.

10.2 Journeyman Level Training:

10.2.1. Specialty Qualification: This information will be located in the official specialty description in AFECD. https://gum-crm.csd.disa.mil/app/answers/detail/a_id/7504/kw/afecd

10211. Knowledge: In addition to the 3-level qualifications, a 5-level must possess the knowledge and skills necessary to maintain E&E systems and associated subsystems. This includes inspecting aircraft E&E systems and 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. Individuals can apply the proper handling, use, and disposal of hazardous waste and materials in accordance with local, state, federal and international environmental standards.

10212 Education: There are no formal education requirements for upgrade to 2A656.

10213 Training: Requirement for the Journeyman level requires completion of the core tasks specified in the STS.

10214 Experience. Qualification in and possession of AFS 2A636 and completion of all 5-level core tasks on one MDS aircraft identified in the STS is mandatory.

10215 Other: Normal color vision as defined in AFI 48-123 is mandatory.

10.2.2. Training Sources and Resources. Qualification training and OJT will provide training and qualification on the core tasks identified in the STS, or AFJQS.

10.2.3. Implementation. The units utilizing this STS and exportable courses perform training to the 5-level. Upgrade to the 5-level requires 12 months upgrade training.

10.3 Craftsman Level Training:

10.3.1. **Specialty Qualification.** This information will be located in the official specialty description in AFECD. https://gum-crm.csd.disa.mil/app/answers/detail/a_id/7504/kw/afecd

10311. **Knowledge.** In addition to the 5-level qualifications, an individual must possess advanced skills and knowledge of theory, concepts, principles and application of E&E systems. The 7-level must be able to supervise and train personnel to maintain electrical and environmental systems. They must be able to plan, schedule, and organize maintenance to ensure effective utilization of available resources. Qualification is required on advanced repair, inspection, troubleshooting, and diagnostic techniques. Individuals can apply the proper handling, use, and disposal of hazardous waste and materials in accordance with local, state, federal and international environmental standards. Historical documentation analysis is also required for all 7-levels.

10312. **Education.** There are no additional education requirements beyond those defined for the apprentice level.

10313. **Training.** Requirements for the Craftsman level requires completion of the core tasks specified in the STS.

10314. **Experience.** Completion of all required 7-level core tasks as identified in the STS, and qualification in and possession of AFSC 2A656. Also experience performing or supervising functions such as installing, maintaining, or repairing aircraft E&E systems.

10315. **Other.** Normal color vision as defined in AFI 48-123, *Medical Examinations and Standards*, is mandatory.

10.3.2. **Training Sources and Resources.** Seven-level upgrade training will be conducted by certified trainers using AF core tasks, unit/MAJCOM specific courses.

10.3.3. **Implementation.** Upgrade to the 7-level requires completion of all core tasks, 12 months upgrade training, and promotion to E-5.

10.4 Superintendent Level Training (9-Level).

10.4.1. **Specialty Qualification.** This information will be located in the official specialty description in AFECD. https://gum-crm.csd.disa.mil/app/answers/detail/a_id/7504/kw/afecd

10411. **Knowledge.** Knowledge is mandatory of: mechanical principles; electrical, fuel hydraulics, egress, and pressure systems; concepts and application of maintenance directives; interpreting wiring and schematic diagrams, blueprints, and technical publications; and proper handling, use, and disposal of hazardous waste and materials. In addition to 7-level qualifications, an individual must possess advanced skills and knowledge of concepts and principles in the management of aircraft maintenance. The 9-level needs to be an effective leader; must be able to forecast, budget and manage funds and other resources; and must be knowledgeable of all local, state, federal and international environmental standards and ensure adherence to the proper handling and disposal of hazardous materials.

10412 Education. There are no additional requirements beyond those defined for the apprentice level.

10413 Training. For award of AFSC 2A690, completion of the Senior NCO Academy and promotion to SMSgt is mandatory.

10414 Experience. Qualification in and possession of AFSC 2A676. Also experience managing or directing functions such as installing, maintaining, repairing, overhauling, or modifying aircrew egress systems; aircraft fuel and in-flight refueling system; aircraft and equipment hydraulic systems; or aircraft and equipment electrical and environmental systems, repair activities for E&E systems and associated maintenance functions.

10415 Other. Normal color vision as defined in AFI 48-123 is mandatory.

10.4.2. Training Sources and Resources. The Senior NCO Academy and unit OJT will be used for training.

10.4.3. Implementation. The 9-level will be awarded upon promotion to SMSgt. Individuals must attend the Senior NCO Academy in-residence or complete the correspondence course.

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. Constraints. Constraints will be identified by a /X in the STS. Two training requirements listed in attachment 3 are constrained based on availability of trainers at the 364th Training Squadron.

- A3.1.2.5. Multi-generator system 2b/X
- A3.1.3.5. Multi-generator system 2b/X

12.2. Resources Required.

12.2.1. The schoolhouse currently has a contract established with 982 MXS trainer development to build six multi-generator system trainers.

13. Journeyman Level Training. No constraints noted.

14. Craftsman Level Training.

14.1. Constraints. None

14.2. Resources Required. None

SECTION E. - TRANSITIONAL TRAINING GUIDE. There are no transition training requirements.

PART II

SECTION A - COURSE OBJECTIVE LIST

1. Measurement. 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 which 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. Each objective uses letter codes to identify how it is measured. All objectives use the PC code which indicates 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.

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

3. Proficiency Level. Review column 4A of the STS to determine the proficiency level of a particular task or knowledge item. Review the course objective list to determine which STS item the objective supports. Review the proficiency code key in Part II, Section E 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.

4. Course Objective List. A detailed listing of initial skills course objectives may be obtained by submitting a written request to the school house Training Manager, 364 TRS/TRR, 511 9th Ave STE 1, Sheppard AFB TX, 76311-2338.

SECTION B - SUPPORT MATERIAL – NONE

SECTION C - TRAINING COURSE

INDEX

6. Purpose. This section of the CFETP identifies training courses available for the E&E Systems Specialty and shows how the courses are used by each MAJCOM in their career field training programs.

7. Air Force In-Resident Courses. For further information on the following courses, contact the OPR at:

364 TRS/TRR
511 9th Ave STE 1
Sheppard AFB, TX 76311-
2338 DSN 736-6297

To view courses in the ETCA use the following Web site: <https://etca.randolph.af.mil>

COURSE NO.	COURSE TITLE	LOCATION	USER
J3ABR2A636 0A9C	Aircraft Electrical and Environmental Systems Apprentice	Sheppard AFB	AF, FMS, ANGRC, AFRC

8. Career Development Course. Not Applicable

9. Exportable Courses.

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

367 TRSS	982 MXS/TSU
6058 Aspen Ave	912 I Ave Ste 4
Hill AFB, UT 84056-5805	Sheppard AFB, TX 76311-2334
DSN 775-3501/777-5868	DSN 736-3001

982 MXS/TSU
<https://www.my.af.mil/gcss-af/USAF/ep/globalTab.do?channelPageId=-1468774&command.org>

367 TRSS
<https://367trss.hill.af.mil/>

To view 367 TRSS courses use the Hill AFB web site above. Table below is not all inclusive.

COURSE NO.	COURSE TITLE (MEDIA TYPE)	OPR	USER
C6ANU00TVT1000	Oxygen Safe handling (Online)	367 TRSS	AF
C5AKM00TVT0011	Cold Weather Safety (Online)	367 TRSS	AF
I3ADU00TCB0002	Corrosion Control (Online)	367 TRSS	AF
I6ADU00TCB0002	Aircraft Marshalling Fixed Wing (Online)	367 TRSS	AF
C6MDO01TVT9361	B-1B Egress (Online)	367 TRSS	AF
C6AWM01CPB8903	B-1B CITS/CDDS/EMUX Operation Handbook (Online)	367 TRSS	AF
A6AKM30TVT0001	C-130 Ground Emergency Escape (Online)	367 TRSS	AF

10. Training Detachment (TD) Courses.

For further information on the TD courses, contact the OPRs at:

372 TRS

912 I Ave Suite 3

Sheppard AFB, TX 76311-2361

DSN 736-4801

373 TRS

912 I Ave Suite 4

Sheppard AFB, TX 76311-2362

DSN 736-4679

COURSE NO.	COURSE TITLE	OPR	USER
J4AMP2A6X6 A00B	A-10 Aircraft ECS	372 TRS	AF
J4AMP2A6X6 B00B	A-10 Aircraft Electrical Systems	372 TRS	AF
J4AMP2A6X6 A01A	B-1B Aircraft E&E Systems	372 TRS	AF
J4AMP2A6X6 A02A	B-2 Aircraft E&E Systems	372 TRS	AF
J4AMP2A6X6 A03A	B-52H Aircraft E&E Systems Maintenance	372 TRS	AF
J4AMP2A6X6 A25A	F-15A/D Aircraft E&E Systems Maintenance (ECS only)	372 TRS	AF
J4AMP2A6X6 C25A	F-15 Aircraft Electrical Systems Maintenance	372 TRS	AF
J4AMP2A6X6 B25A	F-15E Aircraft E&E Systems Maintenance (ECS Only)	372 TRS	AF
J4AMP2A6X6 D25B	F-15 Electrical Wire Maintenance	372 TRS	AF
J4AMP2A6X6 A26A	F-16 C/D Environmental Systems	372 TRS	AF
J4AMP2A6X6 B26A	F-16 C/D Electrical Systems	372 TRS	AF
J4AMP2A6X6 C26A	F-16 Wire Repair	372 TRS	AF
J4AMP2A6X6 E26A	F-16 Advanced Wire Repair	372 TRS	AF
J4AMP2A6X6 A41B	U-2S E&E Systems	372 TRS	AF
J4AMP2A6X6 H04B	C-5 Electrical Systems (PRI)	373 TRS	AF
J4AMP2A6X6 K04A	C-5 E&E Transition	373 TRS	AF
J4AMP2A6X6 I04A	C-5M Environmental, RERP Bleed Air, Air Conditioning and Cabin Pressure Systems	373 TRS	AF
J4AMP2A6X6 A07A	C-17A Electro-Environmental Transition Course	373 TRS	AF
J4AMP2A6X6 C07A	C-17A Flot EQP DEP Systems (FEDS)	373 TRS	AF
J4AMP2A6X6 A17A	C-130E/H Electrical Systems Craftsman	373 TRS	AF
J4AMP2A6X6 B17A	C-130E/H Environmental Systems	373 TRS	AF
J4AMP2A6X6 D17A	C-130J E&E Systems Repair (Operational Maintenance)	373 TRS	AF
JNAMP2A6X6 A21A	CV-22 E&E Systems Maintenance	373 TRS	AF
J4AMP2A6X6 A18A	KC-135R E&E Craftsman	373 TRS	AF
J4AMP2A6X6 B18A	KC-135R/T E&E Craftsman (Transition)	373 TRS	AF
J4AMP2A6X6 C18B	RC/TC-135S/U/V/W, WC-135C/W and OC-135B E&E Craftsman (CRT)	373 TRS	AF
J4AMP2A6X6 D18A	KC-135R/T E&E System Troubleshooting	373 TRS	AF
J4AMP2A6X6 B31A	KC-10A E&E Advance Troubleshooting	373 TRS	AF
J4AMP2A6X6 A22A	E-3 E&E Systems Journeyman	373 TRS	AF
J4AMP2A6X6 A23A	E-4B E&E Craftsman	373 TRS	AF
J4AMP2A6X6 A24D	E-8C Electrical	373 TRS	AF
J4AMP2A6X6 B24A	E-8C Environmental	373 TRS	AF

J4AMP2A6X6 A30A	H-60 Electrical Systems Craftsman (Operational Maintenance)	373 TRS	AF
J4AMP30000 B48A	Automatic Wire Test Analyzer (AWTS) Operational	373 TRS	AF
J4AMP30000 C48A	Basic Soldering Techniques	373 TRS	AF
J4AMP30000 A48A	Advance Wire Maintenance	373 TRS	AF

SECTION D - MAJCOM UNIQUE REQUIREMENTS.

11. MAJCOM Courses.

HQ ACC LSG / OL-CA
6058 Aspen
Hill AFB, UT 84056-5805
DSN 777-5108

ACC unique requirements.

Maintenance Readiness Training Center (MRTC) - ACC/A4Q, DET3 Community of Practice

URL: <https://afkm.wpafb.af.mil/community/views/home.aspx?Filter=OO-ED-AC-64>

COURSE NO.	COURSE TITLE	OPR	USER
Y140009	ACC Production Superintendent	HQACC/ LSG	ACC

SECTION E - SPECIALTY TRAINING STANDARD

12. Implementation. This STS will be used for technical training provided by Air Education and Training Command (AETC) for classes beginning 5 October 2015.

13. Purpose. As prescribed in AFI 36-2201, this STS:

- 13.1.** Lists in column 1 (Task, Knowledge, and Technical Reference) identify the most common tasks, knowledge, and technical references (TR) necessary for airmen to perform duties in the 3-, 5-, and 7-skill level.
- 13.2.** Lists in column 2 (Core Tasks) identify by asterisk (*), specialty-wide training requirements. . MAJCOM Functional Managers, commanders, and supervisors may designate additional critical tasks as necessary. When designated, certify these critical tasks using normal core task certification procedures. As a minimum, certification on all AFCFM directed core tasks applicable to the specialty must be completed for skill level upgrade. Exemptions:
 - 13.2.1.** Core tasks, which 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).
 - 13.2.2.** For units with more than one mission design (e.g. A-10, C-130) 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. Flightline-assigned personnel must complete shop core tasks and vice versa. All units are bound by the requirements in this CFETP and will accommodate core task trainees from other units.

- 13.2.3. Units that use the GO81 maintenance data collection system do not need to complete Integrated Maintenance Data System (IMDS) core tasks. However, these units must be capable of training IMDS related core tasks for deployment preparation. This capability ensures GO81 users are capable of operating IMDS prior to deploying to IMDS using units. This requirement will remain in effect until GO81 and IMDS are converted to the Maintenance Information System (MIS).
- 13.3. Provides certification for OJT. Column 3 is used to record completion of tasks and knowledge training requirements. Use IMDS/GO81 to document technician qualifications, if available. Task certification must show a certification or completed date.
- 13.4. Shows formal training and correspondence course requirements. Column 4 shows the proficiency to be demonstrated on the job by the graduate as a result of training on the task/knowledge and the career knowledge provided by the correspondence course.
- 13.5. **Qualitative Requirements.** Attachment 1 contains the proficiency code key used to indicate the level of training and knowledge provided by resident training.
- 13.6. **Job Qualification Standard.** A task becomes a job qualification standard (JQS) for on-the-job training when placed in an AF Form 623, **On-The-Job Training Record**, or an approved automated 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:
- 13.6.1. **Documentation.** Document and certify completion of training IAW AFI 36-2201. Automated records, utilizing MIS or IMDS/GO81 reflecting this STS is highly encouraged. Use of Part II and attachments one and two of this CFETP are mandatory in individual training records. Use of Part I of this CFETP is optional. If at least one attachment from 4-22 is not used, then attachment 3 is mandatory.
- 13.6.2. **Transcribing from Old CFETP to New CFETP.** All AFJQSs and previous CFETPs are replaced by this CFETP; therefore, conversion 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.
- 13.7. **STS.** Is 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 Analysis Division, 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 Enlisted Promotions References and Requirements Catalog. Individual responsibilities are in AFI 36-2502, *Airman Promotion Program*. WAPS is not applicable to the Air National Guard or Air Force Reserve.

- 14. Recommendations.** Report unsatisfactory performance of individual course graduates to the AETC Training Manager at 364 TRS/TRR, 511 9th Ave. Suite 1, Sheppard AFB TX, 76311-2338, DSN 736-6297. Reference specific STS paragraphs. For a quick response to problems, call our customer service information line, DSN 736-2574 or email 782CSIL@sheppard.af.mil.

BY ORDER OF THE SECRETARY OF THE AIR FORCE

OFFICIAL

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

22 ATTACHMENTS

1. Proficiency Code Key (Mandatory)
2. Training Requirements, Fundamental (Mandatory)
3. Training Requirements, Generic (Mandatory, except as indicated in note 1 of this attachment)
4. Training Requirements, B-2 (Optional)
5. Training Requirements, C-5 (Optional)
6. Training Requirements, C-17 (Optional)
7. Training Requirements, C-130 (Optional)
8. Training Requirements, F-15 (Optional)
9. Training Requirements, F-16 (Optional)
10. Training Requirements, KC-10 (Optional)
11. Training Requirements, KC-135 (Optional)
12. Training Requirements, HH-60 (Optional)
13. Training Requirements, A-10 (Optional)
14. Training Requirements, B-1B (Optional)
15. Training Requirements, CV-22 (Optional)
16. Training Requirements, B-52 (Optional)
17. Training Requirements, C-40 (Optional)
18. Training Requirements, RC/TC/OC/WC-135 (Optional)
19. Training Requirements, E-3 (Optional)
20. Training Requirements, E-8 (Optional)
21. Training Requirements, E-4B (Optional)
22. Training Requirements, KC-46 (Optional)

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

QUALITATIVE REQUIREMENTS

Proficiency Code Key		
	Scale Value	Definition: The individual
Task Performance Levels	1	IS EXTREMELY LIMITED (Can do simple parts of the task. Needs to be told or shown how to do most of the task.)
	2	IS PARTIALLY PROFICIENT (Can do most parts of the task. Needs only help on hardest parts.)
	3	IS COMPEIENT (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.		
/X This mark is used in course columns to show that training is required but not given due to limitations in resources (3c/b, 2b/b, 2b/X etc.).		
NOTE: All tasks and knowledge items shown with a proficiency code are trained during war time.		

FUNDAMENTAL TRAINING REQUIREMENTS

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)	
1. Tasks, Knowledge And Technical References			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
ATTACHMENT 2									
NOTE 1: The tasks and knowledge listed in attachment 2 will be performed as applicable by personnel in the Aircraft Electrical and Environmental System Specialty.									
NOTE 2: All tasks and knowledge items shown with a proficiency code are trained during war time.									
NOTE 3: Users are responsible for annotating training references to identify current references pending ST S revision.									
NOTE 4: Address comments and recommended changes through the MAJCOM Functional Managers to the AETC Training Manager, DSN 736-6297.									
A2.1. SECURITY									
A2.1.1. Operations Security (OPSEC) specific vulnerabilities of AFSC 2A6X6								-	-
A2.2. OCCUPATIONAL SAFETY PROGRAM TR: AFI 91-202, 91-203, 91-302, Applicable OSHA Standards, Applicable safety standards									
A2.2.1. Hazards of AFSC 2A6X6								A	-
A2.2.2. Safety standards for AFSC 2A6X6								A	-
A2.2.3. Maintenance Resource Management (MRM)								-	-
A2.2.4. Safety precautions TR: AFI 36-204, AFI 91-101, 91-104, AFI 21-101, AFI 91-203, TO 00-25-234, T O 1-1A-14, TO 1-1A-15, 8D series, 11A series, 31-1-2, 32-1-101, 33C3 series, 15X-1-1series, AFMAN 91-201									
A2.2.4.1. Fundamentals									
A2.2.4.1.1. Handtools								-	-
A2.2.4.1.2. In-shop								-	-
A2.2.4.1.3. Flight line								-	-
A2.2.4.2. Use									
A2.2.4.2.1. Handtools	*							2b	-
A2.2.4.2.2. In-shop	*							2b	-
A2.2.4.2.3. Flight line	*							2b	-
A2.2.5. Nuclear safety/nuclear safety regulations								-	-
A2.2.6. Portable fire extinguishers								-	-
A2.2.7. Initial Federal Hazard Communication Training Program (FHCTP)								-	-
A2.2.8. Explosive Safety Program								A	-
A2.2.9. Use personnel fall restraint harnesses /devices	*							-	-

FUNDAMENTAL TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Trng Start	Trng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A2.3. HAZARDOUS MATERIALS AND WASTE HANDLING ACCORDING TO ENVIRONMENTAL STANDARDS TR: AFI 23-504/ EPA State Regulations, AFJMAN 23-209									
A2.3.1. Types of hazardous material /fluids								A	-
A2.3.2. Handling procedures								A	-
A2.3.3. Storage & labeling								A	-
A2.3.4. Proper disposal								A	-
A2.4. MAINTENANCE MANAGEMENT TR: AFI 21-101, MAJCOM Instructions, AFI21-103, AFI 23-111, AFM 23-110									
A2.4.1. Maintenance Group Organizational Structure								-	-
A2.4.2. Basic functions within the maintenance complex								-	-
A2.4.3. Funds Management/depot level reparable (DLR)								-	-
A2.4.4. Status reporting								-	-
A2.4.5. Mission Essential System List (MESL)								-	-
A2.5. MAINTENANCE AND INSPECTION TR: AFI 21-101 TO 00 Series, TOs 00-20 Series, TO 00-35D-54									
A2.5.1. Maintenance systems								A	-
A2.5.2. Inspection systems								A	-
A2.5.3. Perform acceptance/transfer inspection on aircraft								-	-
A2.5.4. Perform isochronal/phase inspections (A /B /C checks)								-	-
A2.5.5. Perform other scheduled maintenance inspections (e.g. HSC / refurb / etc.)								-	-
A2.5.6. Deficiency reporting process								A	-
A2.5.7. Use maintenance forms									
A2.5.7.1. AFTO Form 244	*							2b	-
A2.5.7.2. AFTO Form 781A	*							2b	-
A2.5.7.3. AFTO Form 781H	*							2b	-
A2.5.7.4. AFTO Form 781K	*							2b	-
A2.5.8. General Aircraft Procedures TR: MAJCOM instructions, applicable aircraft TO/checklist									
A2.5.8.1. Statically ground aircraft	*							-	-

FUNDAMENTAL TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A2.5.8.2. Open / close engine cowling								-	-
A2.5.8.3. Remove / install aircraft access panels								-	-
A2.5.8.4. Use aircraft interphone system	*							-	-
A2.5.8.5. Perform aircraft egress	*							-	-
A2.5.8.6. Inspect/use ground maintenance stands								-	-
A2.5.8.7. Operate aircraft radios								-	-
A2.5.8.8. Jack Team member								-	-
A2.5.8.9. Marshall aircraft								-	-
A2.5.8.10. Tow Team member								-	-
A2.5.8.11. Refuel/defuel member								-	-
A2.5.8.12. Safe for maintenance									
A2.5.8.12.1. Fundamentals								-	-
A2.5.8.12.2. Perform aircraft safe for maintenance procedures	*							1a	-
A2.5.8.13. Open/Close aircraft canopy/hatches/doors								-	-
A2.5.8.14. Launch/recover aircraft								-	-
A2.6. MAINTENANCE DATA COLLECTION TR: AFI 21-101, T.O.00-20-1									
A2.6.1. Principles								B	-
A2.6.2. Use GO81	*							-	-
A2.6.3. Use IMDS	*							-	-
A2.7. TRAINING TR: AFI 21-101, AFI 36-2201, AFI36-2232									
A2.7.1. Use Training Business Area/CFETP	*							-	-
A2.7.2. Management of training								-	-
A2.7.3. Evaluate personnel to determine need for training								-	-
A2.7.4. Plan / Supervise OJT									
A2.7.4.1. Conduct training								-	-
A2.7.4.2. Counsel trainees on their progress								-	-
A2.7.4.3. Monitor training effectiveness								-	-
A2.7.5. Evaluate effectiveness of training programs/training evaluation reports								-	-

FUNDAMENTAL TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
A2.7.6. OJT Trainer Requirements									
A2.7.6.1. Prepare teaching outlines/ tasks breakdowns								-	-
A2.7.6.2. Provide trainees theory & training on actual equipment								-	-
A2.7.6.3. Provide feedback on training provided								-	-
A2.7.7. OJT Task Certifier Requirements									
A2.7.7.1. Provide supervisor & trainer feedback on results of training provided and trainees strengths/weaknesses								-	-
A2.8. TECHNICAL PUBLICATIONS TR: TO 00-5 series, TO 00-5-1, TO 00-5-15, TO 00-XX series									
A2.8.1. Fundamentals of the Technical Order System								A	-
A2.8.2. Use technical manuals for specific equipment	*							2b	-
A2.8.3. Use electronic technical manuals	*							2b	-
A2.8.4. Use interactive technical manuals	*							-	-
A2.8.5. Abbreviated technical orders									
A2.8.5.1. Fundamentals								B	-
A2.8.5.2. Use Abbreviated Technical Orders								-	-
A2.8.6. Use Methods and Procedures Technical Orders	*							2b	-
A2.8.7. Use standard publications								-	-
A2.8.8. Technical Order Improvement Report								A	-
A2.8.9. Time Compliance Technical Order								A	-
A2.8.10. Maintain technical publications								-	-
A2.9. AF SUPPLY DISCIPLINE TR: AFMAN 23-110, AFI 23-111, 21-101,									
A2.9.1. Research parts								-	-
A2.9.2. Property accountability								A	-
A2.9.3. Principles of supply								-	-
A2.9.4. Issue and turn-in procedures and forms								A	-
A2.9.5. Use issue and turn-in forms								2b	-
A2.9.6. Standard Base Supply System (SBSS)								A	-
A2.9.7. Supply reports								-	-
A2.9.8. Utilize equipment allowance standards								-	-

FUNDAMENTAL TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A2.10. ELECTRICAL / ENVIRONMENTAL FUNDAMENTALS TR: AFI 21-101, AFI 91-203, TOs 00-25-234, 1-1A-8, 1-1A-14, 32-1-101									
A2.10.1. Composite tool kit (CTK) program								A	-
A2.10.2. Solder electrical connections									
A2.10.2.1. Conventional devices	*							2b	-
A2.10.2.2. Advanced soldering								-	-
A2.10.3. Solderless electrical connector devices									
A2.10.3.1. Electrical connector device fundamentals								-	-
A2.10.3.2. Use wire maintenance kit	*							2b	-
A2.10.3.3. Assemble/disassemble connector plugs	*							2b	-
A2.10.3.4. Replace/install splices	*							2b	-
A2.10.3.5. Replace/install terminals	*							2b	-
A2.10.4. Wire Maintenance									
A2.10.4.1. Inspect		*						a	-
A2.10.4.2. Remove/install wiring								2b	-
A2.10.4.3. Repair wiring								2b	-
A2.10.4.4. Use portable heating tools								-	-
A2.10.4.5. Modular blocks								-	-
A2.10.4.6. Maintain Databus								-	-
A2.10.5. Corrosion control								A	-
A2.10.6. Use safetying devices (safety wire, cotter pins, etc.)	*							2b	-
A2.10.7. Use appropriate hardware	*							2b	-
A2.10.8. Special wiring: special purpose wire, compact wire bundle, electrical magnetic pulse (EMP) hardened cable								A	-
A2.10.9. Protect exposed electrical connectors, open pressure lines, and ducting	*							-	-
A2.10.10. Remove/install components									
A2.10.10.1. Switches/protective devices								-	-
A2.10.10.2. Relay/socket								-	-
A2.10.10.3. Proximity sensors/switch								-	-
A2.10.10.4. Transformer/power supply								-	-

FUNDAMENTAL TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A2.10.10.5. Circuit cards								-	-
A2.10.10.6. Integration matrix box								-	-
A2.10.11. Fabricate flexible conduits/wiring harness								-	-
A2.11. AIRCRAFT FAMILIARIZATION TR: Applicable aircraft TOs									
A2.11.1. Principles of flight								B	-
A2.11.2. Location of structural components								A	-
A2.11.3. Location of system components								A	-
A2.11.4. Glass cockpit								-	-
A2.11.5. Operate multi-function display/mission computer								-	-
A2.11.6. Smoke and fire detection/suppression procedures								-	-
A2.11.7. Operate maintenance monitor/interface (built-in test) panel								-	-
A2.11.8. Databus Channels								A	-
A2.12. ELECTRICAL/ELECTRONIC FUNDAMENTALS TR: TO 00-25-234, 31-1-141 series, applicable aircraft TOs									
A2.12.1. DC fundamentals: Electron theory, magnetism, voltage generation, Kirchhoff's law, Ohm's law, resistance and power formulas, DC motors, control protective devices								B	-
A2.12.2. AC fundamentals: Inductors, capacitors, voltage generation, transformers, AC motors								B	-
A2.12.3. Electronic fundamentals: Solid state devices, power supplies, amplifiers circuits, electronic voltage regulators, logic gates								B	-
A2.12.4. Use wiring diagrams	*							2b	-
A2.12.5. Use schematics	*							2b	-
A2.12.6. Use troubleshooting techniques								1b	-
A2.12.7. Electrostatic discharge (ESD)								A	-
A2.13. ELEMENTS OF PHYSICS TR: Applicable aircraft T.Os									
A2.13.1. Temperature								B	-
A2.13.2. Pressure								B	-
A2.13.3. Atmosphere								B	-
A2.13.4. Air flow								B	-
A2.14. BATTERY SHOP TR: AFI 91-203, TOs 8D2-2 series, 8D2-3 series, 33C3 series, 33C3 series, 8D2-51 series									

FUNDAMENTAL TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A2.14.1. Operate charging equipment	*							-	-
A2.14.2. Maintain charging equipment								-	-
A2.14.3. Nickel-Cadmium TR: 8D2-3 series, 8D2-51 series, 33C3 series									
A2.14.3.1. Battery fundamental								A	-
A2.14.3.2. Maintain batteries	*							-	-
A2.14.4. Sealed Lead Acid Battery (SLAB) TR: TOs 8D2-1-31 / 33A1 series									
A2.14.4.1. Battery fundamentals								A	-
A2.14.4.2. Maintain batteries	*							-	-
A2.15. CRYOTAINER SYSTEM TR: AFI 91-203, TOs 34Y5 series, 35D3 series, 35D29 series, 36G2 series, 37C2 series, 37C11-3-1, 15X-1-1									
A2.15.1. Operational fundamentals									
A2.15.1.1. Oxygen								B	-
A2.15.1.2. Nitrogen								-	-
A2.15.1.3. Maintain Oxygen/Nitrogen Maintenance & Gas Cylinder Storage Areas	*							-	-
A2.15.2. Liquid oxygen cryotainer/cart									
A2.15.2.1. Perform operational check	*							-	-
A2.15.2.2. Troubleshoot								-	-
A2.15.2.3. Drain	*							-	-
A2.15.2.4. Purge	*							-	-
A2.15.2.5. Evacuate								-	-
A2.15.2.6. Repair components								-	-
A2.15.2.7. Remove/install components	*							-	-
A2.15.2.8. Perform leak check	*							-	-
A2.15.2.9. Inspect		*						-	-
A2.15.2.10. Clean components	*							-	-
A2.15.3. Liquid nitrogen cryotainer/cart									
A2.15.3.1. Perform operational check								-	-
A2.15.3.2. Troubleshoot								-	-

FUNDAMENTAL TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)	
			A	B	C	D	E	A	B
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Level	5 Level
								Course	
A2.15.3.3. Drain								-	-
A2.15.3.4. Purge								-	-
A2.15.3.5. Evacuate								-	-
A2.15.3.6. Repair components								-	-
A2.15.3.7. Remove / Install Components								-	-
A2.15.3.8. Perform leak check								-	-
A2.15.3.9. Inspect								-	-
A2.15.4. Gaseous Nitrogen / Oxygen Servicing Carts									
A2.15.4.1. Troubleshoot								-	-
A2.15.4.2. Inspect		*						-	-
A2.15.4.3. Remove / Install Components	*							-	-
A2.15.4.4. Perform Leak/ Operational check	*							-	-
A2.15.4.5. Clean components	*							-	-
A2.15.5. Purge Unit GSU 62/M									
A2.15.5.1. Troubleshoot								-	-
A2.15.5.2. Inspect								-	-
A2.15.5.3. Remove / Install Components								-	-
A2.15.6. Patient Therapeutic (PT) LOX Converter TR: TOs 15X series									
A2.15.6.1. Drain								-	-
A2.15.6.2. Service								-	-
A2.15.6.3. Purge								-	-
A2.15.6.4. Perform Leak/ Operational check								-	-
A2.15.6.5. Remove / Install Components								-	-
A2.16. METERS AND TESTERS TR: Applicable 33 series TOs									
A2.16.1. Use insulation tester								-	-
A2.16.2. Use decade box								-	-
A2.16.3. Use ECS tester								2b	-
A2.16.4. Use electrical/pneumatic component testers								-	-
A2.16.5. Use oxygen system regulator tester								2b	-
A2.16.6. Use sonic leak detector								-	-

FUNDAMENTAL TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A2.16.7. Use cockpit cabin pressure leakage tester								-	-
A2.16.8. Use anti-skid tester								2b	-
A2.16.9. Use bonding meter								-	-
A2.16.10. Use multimeter									
A2.16.10.1 Digital	*							2b	-
A2.16.10.2. Analog								-	-
A2.16.11. Use frequency meters/counters	*							-	-
A2.16.12. Use fire system tester	*							-	-
A2.16.13. Use fire detection control unit tester	*							-	-
A2.16.14. Use igniter circuit tester								-	-
A2.16.15. Use oscilloscope								-	-
A2.16.16. Use time domain reflectometer								-	-
A2.16.17. Use wire analyzer								-	-
A2.16.18. Use automatic wire test set								-	-
A2.16.19. Perform periodic inspections/pre-use inspections								-	-
A2.16.20. Maintenance/repair test equipment								-	-
A2.16.21. Locally manufactured test equipment									
A2.16.21.1. Use									
A2.16.21.1.1. Load light								-	-
A2.16.21.1.2. Linear and rotary actuator test stand								-	-
A2.16.21.1.3. Flap/slat brake tester								-	-
A2.16.21.1.4. Locally manufactured test equipment								-	-
A2.16.21.2. Troubleshoot									
A2.16.21.2.1. Linear and rotary actuator test stand								-	-
A2.16.21.2.2. Locally manufactured test equipment								-	-
A2.16.21.3. Repair									
A2.16.21.3.1. Linear and rotary actuator test stand								-	-
A2.16.21.3.2. Air conditioning temperature control box tester								-	-
A2.16.21.3.3. Locally manufactured test equipment								-	-
A2.16.21.4. Bench Check									
A2.16.21.4.1. Linear and rotary actuator test stand								-	-

FUNDAMENTAL TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)	
			A	B	C	D	E	A	B
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Level	5 Level
								Course	
A2.16.21.4.2. Air conditioning temperature control box tester								-	-
A2.16.21.4.3. Locally manufactured test equipment								-	-
A2.16.22. AC Load Bank									
A2.16.22.1. Use								-	-
A2.16.22.2. Troubleshoot								-	-
A2.16.22.3. Repair								-	-
A2.16.23. Constant speed drive/generator test stand									
A2.16.23.1. Use								-	-
A2.16.23.2. Troubleshoot								-	-
A2.16.23.3. Repair								-	-
A2.16.24. Miscellaneous test equipment									
A2.16.24.1. Use air data test set								-	-
A2.16.24.2. Use micron gauge								-	-
A2.16.24.3. Use ultraviolet light								-	-
A2.16.24.4. Operate wiring marking machines								-	-
A2.16.24.5. Use pneumatic system tester (electrical/nitrogen)								-	-
A2.16.24.6. Use windshield anti-ice system tester								-	-
A2.16.24.7. Use Jet-Cal tester								-	-
A2.16.24.8. Use Temp-Cal tester								-	-
A2.16.24.9. Use vacuum pump								-	-
A2.16.24.10. Use landing gear control panel tester								-	-
A2.16.24.11. Use throttle quadrant tester								-	-
A2.16.24.12. Operate wire braiding machine								-	-
A2.16.24.13. Inspect/Repair Explosion Proof lights								-	-
A2.16.24.14. Use Laser Thermometer								-	-
A2.16.24.15. Use flex boroscope (non-engine inspection)								-	-
A2.17. LIFE RAFT INFLATION EQUIPMENT TR: AFI 91-203, TO 14S1 series, 8 series component TO									
A2.17.1. Operational fundamentals									
A2.17.1.1. Life raft inflation equipment								-	-
A2.17.1.2. Slide inflation equipment								-	-
A2.17.2. Repair								-	-

FUNDAMENTAL TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A2.17.3. Inspect life raft inflation cylinder recharging equipment									
A2.17.3.1. Bottles								-	-
A2.17.3.2. Life raft inflation cylinder recharging equipment								-	-
A2.17.3.3. Service/leak check bottles								-	-
A2.17.3.4. Life raft								-	-
A2.17.3.5. Slide								-	-

GENERIC TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
ATTACHMENT 3									
NOTE 1: In addition to attachment 2, the tasks and knowledge in attachment 3 will be performed by personnel assigned to maintain aircraft not listed in Specific Aircraft CFETP Attachments.									
NOTE 2: All tasks and knowledge items shown with a proficiency code are trained during war time.									
NOTE 3: Users are responsible for annotating training references to identify current references pending ST S revision.									
NOTE 4: Address comments and recommended changes through the MAJCOM Functional Managers to the AETC Training Manager, DSN 736-6297.									
NOTE 5: Multi generator system will replace single generator system once assets are available.									
A3.1. AC POWER SYSTEM TR: Applicable aircraft TOs 8 series component series									
A3.1.1. Operational fundamentals								B	-
A3.1.2. Perform operational check									
A3.1.2.1. 60 Hertz system								-	-
A3.1.2.2. Co-pilot instrument power system								-	-
A3.1.2.3. BPCU interrogation/BIT check								-	-
A3.1.2.4. Single generator system	*							2b	-
A3.1.2.5. Multi-generator system	*							2b/X	-
A3.1.2.6. Emergency generator system	*							2b	-
A3.1.3. Troubleshoot									
A3.1.3.1. 60 Hertz system								-	-
A3.1.3.2. Co-pilot instrument power system								-	-
A3.1.3.3. BPCU interrogation/BIT check								-	-
A3.1.3.4. Single generator system		*						2b	-
A3.1.3.5. Multi-generator system		*						2b/X	-
A3.1.3.6. Emergency generator system		*						2b	-
A3.1.4. Inspect system components		*						-	-
A3.1.5. Remove/install components									
A3.1.5.1. AC generator control units	*							-	-
A3.1.5.2. CSD	*							-	-
A3.1.5.3. AC generators	*							-	-
A3.1.5.4. Generator/bus protection panels								-	-
A3.1.5.5. Generator voltage regulators								-	-
A3.1.5.6. Generator frequency load controllers								-	-
A3.1.5.7. Frequency control unit								-	-
A3.1.5.8. Bus tie/generator line contactor								-	-
A3.1.5.9. Inverter								-	-
A3.1.5.10. Circuit breaker panels								-	-
A3.1.5.11. Relays								-	-
A3.1.5.12. Survivability/vulnerability (S/V) box								-	-

GENERIC TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A	B
			Tag Start	Tag Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Level	5 Level
								Course	
A3.1.5.13. CSD/IDG Filters								2b	-
A3.1.5.14. Current transformer								-	-
A3.1.6. Repair components									
A3.1.6.1. AC generator control units								-	-
A3.1.6.2. CSD								-	-
A3.1.6.3. Mate and demate generator and CSD	*							-	-
A3.1.6.4. AC generators								-	-
A3.1.6.5. Generator/bus protection panels								-	-
A3.1.6.6. Generator voltage regulators								-	-
A3.1.6.7. Generator frequency load controllers								-	-
A3.1.6.8. Frequency control unit								-	-
A3.1.6.9. Bus tie/generator line contactor								-	-
A3.1.6.10. Inverter								-	-
A3.1.6.11. Circuit breaker panels								-	-
A3.1.7. Bench check									
A3.1.7.1. AC generator control units								-	-
A3.1.7.2. CSD								-	-
A3.1.7.3. AC generators								-	-
A3.1.7.4. Generator/bus protection panels								-	-
A3.1.7.5. Generator voltage regulators								-	-
A3.1.7.6. Generator frequency load controllers								-	-
A3.1.7.7. Frequency control unit								-	-
A3.1.7.8. Bus tie/generator line contactor								-	-
A3.1.7.9. Relays								-	-
A3.1.7.10. Inverter								-	-
A3.1.7.11. Circuit breaker panels								-	-
A3.2. DC POWER SYSTEM TR: Applicable aircraft TOs 8 series component TOs									
A3.2.1. Operational fundamentals								B	-
A3.2.2. Perform operational check	*							2b	-
A3.2.3. Troubleshoot		*						2b	-
A3.2.4. Inspect system components		*						-	-
A3.2.5. Remove/install components									
A3.2.5.1. Battery	*							-	-
A3.2.5.2. Battery charger								-	-
A3.2.5.3. Transformer rectifier/Converter								2b	-
A3.2.5.4. Reverse current relays								-	-

GENERIC TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Tag Start	Tag Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A3.2.5.5. Circuit breaker panels								-	-
A3.2.6. Repair components									
A3.2.6.1. Battery charger								-	-
A3.2.6.2. Transformer rectifier/ Converter								-	-
A3.2.6.3. Reverse current relays								-	-
A3.2.6.4. Circuit breaker panels								-	-
A3.3. EXTERNAL POWER SYSTEM TR: Applicable aircraft TOs 8 series component TOs									
A3.3.1. Operational fundamentals								B	-
A3.3.2. Perform operational check	*							2b	-
A3.3.3. Troubleshoot		*						2b	-
A3.3.4. Inspect system components		*						-	-
A3.3.5. Remove/install components									
A3.3.5.1. External power receptacle								-	-
A3.3.5.2. External power monitor								-	-
A3.3.5.3. Line contactor								-	-
A3.3.6. APU power system									
A3.3.6.1. Operational Fundamentals								-	-
A3.3.6.2. Perform operational check	*							-	-
A3.3.6.3. Troubleshoot		*						-	-
A3.3.6.4. Inspect system components		*						-	-
A3.3.6.5. Remove/install components									
A3.3.6.5.1. Generator								-	-
A3.3.6.5.2. Generator control unit								-	-
A3.3.6.5.3. Line contactor								-	-
A3.3.6.5.4. Electronic control unit								-	-
A3.3.6.6. Repair components									
A3.3.6.6.1. Generator								-	-
A3.3.6.6.2. Generator control unit								-	-
A3.4. LIGHTING SYSTEM TR: Applicable aircraft TOs 8 series component TOs									
A3.4.1. Operational fundamentals									
A3.4.1.1. Interior								B	-
A3.4.1.2. Exterior								B	-
A3.4.1.3. Emergency								B	-
A3.4.1.4. UARRSI/Slipway/Receptacle								-	-
A3.4.1.5. Night Vision Imaging system(NVIS)								-	-

GENERIC TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A	B
			Tag Start	Tag Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Level	5 Level
								Course	
A3.4.2. Perform operational check									
A3.4.2.1. Interior	*							2b	-
A3.4.2.2. Exterior	*							2b	-
A3.4.2.3. Emergency	*							2b	-
A3.4.2.4. UARRSI/slipway/receptacle								-	-
A3.4.2.5. Night Vision Imaging System (NVIS)								-	-
A3.4.3. Troubleshoot									
A3.4.3.1. Interior		*						2b	-
A3.4.3.2. Exterior		*						2b	-
A3.4.3.3. Emergency		*						2b	-
A3.4.3.4. UARRSI/slipway/receptacle								-	-
A3.4.3.5. Night vision imaging system (NVIS)								-	-
A3.4.4. Inspect									
A3.4.4.1. Interior		*						-	-
A3.4.4.2. Exterior		*						-	-
A3.4.4.3. Emergency		*						-	-
A3.4.4.4. UARRSI/slipway/receptacle								-	-
A3.4.4.5. Night vision imaging system (NVIS)								-	-
A3.4.5. Remove/install components									
A3.4.5.1. Interior									
A3.4.5.1.1. Control panel								-	-
A3.4.5.1.2. Dimmers/transformer								-	-
A3.4.5.1.3. Control box								-	-
A3.4.5.1.4. Light assemblies								-	-
A3.4.5.1.5. Power supply								-	-
A3.4.5.1.6. Night vision imaging system (NVIS)								-	-
A3.4.5.2. Exterior									
A3.4.5.2.1. Navigation/formation								-	-
A3.4.5.2.2. Anti-collision								-	-
A3.4.5.2.3. Strobe								-	-
A3.4.5.2.4. Surge suppressor								-	-
A3.4.5.2.5. Strobe light power supply								-	-
A3.4.5.2.6. Landing light								-	-
A3.4.5.2.7. Taxi light								-	-
A3.4.5.2.8. Terrain clearance lights								-	-
A3.4.5.2.9. UARRSI/slipway/receptacle								-	-
A3.4.5.2.10. Area lights								-	-

GENERIC TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A	B
			Tag Start	Tag Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Level Course	5 Level
A3.4.5.2.11. Night vision imaging system (NVIS)								-	-
A3.4.5.3. Emergency									
A3.4.5.3.1. Emergency exit lights								-	-
A3.4.5.3.2. Control box								-	-
A3.4.5.3.3. Power supply								-	-
A3.4.6. Repair components									
A3.4.6.1. Interior									
A3.4.6.1.1. Control panel								-	-
A3.4.6.1.2. Control box								-	-
A3.4.6.1.3. Light assemblies								-	-
A3.4.6.1.4. Night vision imaging system (NVIS)								-	-
A3.4.6.2. Exterior									
A3.4.6.2.1. Navigation/formation								-	-
A3.4.6.2.2. Anti-collision								-	-
A3.4.6.2.3. Strobe								-	-
A3.4.6.2.4. Landing light								-	-
A3.4.6.2.5. Taxi light								-	-
A3.4.6.2.6. Terrain clearance lights								-	-
A3.4.6.2.7. Night vision imaging system (NVIS)								-	-
A3.4.6.3. Emergency									
A3.4.6.3.1. Emergency exit lights								-	-
A3.4.6.3.2. Control box								-	-
A3.4.6.3.3. Power supply								-	-
A3.4.7. Bench check components									
A3.4.7.1. Interior									
A3.4.7.1.1. Control panel								-	-
A3.4.7.1.2. Control box								-	-
A3.4.7.1.3. Light assemblies								-	-
A3.4.7.1.4. Night vision imaging system (NVIS)								-	-
A3.4.7.2. Exterior									
A3.4.7.2.1. Navigation/formation								-	-
A3.4.7.2.2. Anti-collision								-	-
A3.4.7.2.3. Strobe								-	-
A3.4.7.2.4. Landing light								-	-
A3.4.7.2.5. Taxi light								-	-
A3.4.7.2.6. Terrain clearance lights								-	-
A3.4.7.2.7. Emergency exit lights								-	-

GENERIC TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Tag Start	Tag Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A3.4.7.2.8. Night vision imaging system (NVIS)								-	-
A3.5. LANDING GEAR SYSTEM TR: Applicable aircraft TOs 8 series component TOs									
A3.5.1. Operational fundamentals									
A3.5.1.1. Control								B	-
A3.5.1.2. Warning and indication								B	-
A3.5.2. Perform operational check									
A3.5.2.1. Control	*							2b	-
A3.5.2.2. Position A (ground position supervisor)		*						-	-
A3.5.2.3. Position B (gear handle operator)	*							-	-
A3.5.2.4. Position C								-	-
A3.5.2.5. Warning and indication	*							2b	-
A3.5.2.6. Crosswind crab system								-	-
A3.5.2.7. Interrogate proximity interference unit								-	-
A3.5.3. Troubleshoot									
A3.5.3.1. Control		*						2b	-
A3.5.3.2. Warning and indication		*						2b	-
A3.5.3.3. Crosswind crab system								-	-
A3.5.4. Inspect system components		*						-	-
A3.5.5. Remove/install components									
A3.5.5.1. Landing gear control panel	*							-	-
A3.5.5.2. Landing gear control relay box								-	-
A3.5.5.3. Junction box								-	-
A3.5.5.4. Audible warning control								-	-
A3.5.5.5. Warning horn								-	-
A3.5.6. Repair components									
A3.5.6.1. Landing gear control panel								-	-
A3.5.6.2. Landing gear control relay box								-	-
A3.5.6.3. Junction box								-	-
A3.5.6.4. Warning horn								-	-
A3.5.7. Bench check components									
A3.5.7.1. Landing gear control panel								-	-
A3.5.7.2. Landing gear control relay box								-	-
A3.5.7.3. Junction box								-	-
A3.5.7.4. Warning horn								-	-

GENERIC TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A	B
			Tag Start	Tag Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Level	5 Level
								Course	
A3.6. ANTI-SKID SYSTEM TR: Applicable aircraft TOs 8 series component series									
A3.6.1. Operational fundamentals								B	-
A3.6.2. Perform operational check	*							2b	-
A3.6.3. Troubleshoot		*						2b	-
A3.6.4. Inspect system components		*						-	-
A3.6.5. Remove/install components									
A3.6.5.1. Anti-skid control box	*							-	-
A3.6.5.2. Anti-skid transducer	*							-	-
A3.6.5.3. Spin-up control box								-	-
A3.7. BRAKE TEMPERATURE INDICATING SYSTEM TR: Applicable aircraft TOs 8 series component TOs									
A3.7.1. Operational fundamentals								-	-
A3.7.2. Perform operational check								-	-
A3.7.3. Troubleshoot								-	-
A3.7.4. Inspect system components								-	-
A3.7.5. Remove/install components									
A3.7.5.1. Temperature control unit								-	-
A3.7.5.2. Temperature sensor								-	-
A3.8. NOSE GEAR STEERING SYSTEM TR: Applicable aircraft TOs 8 series component TOs									
A3.8.1. Operational fundamentals								B	-
A3.8.2. Perform operational check	*							2b	-
A3.8.3. Troubleshoot		*						2b	-
A3.8.4. Inspect system components		*						-	-
A3.8.5. Remove/install components									
A3.8.5.1. Control unit								-	-
A3.8.5.2. Transducer/potentiometer								-	-
A3.9. PRIMARY FLIGHT CONTROL SYSTEM TR: Applicable aircraft TOs 8 series component TOs									
A3.9.1. Operational fundamentals								B	-
A3.9.2. Perform operational check									
A3.9.2.1. Control system								-	-
A3.9.2.2. Trim/indication system								-	-
A3.9.3. Troubleshoot									
A3.9.3.1. Control system								-	-

GENERIC TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Tag Start	Tag Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A3.9.3.2. Trim/indication system								-	-
A3.9.4. Inspect System Components								-	-
A3.10. SECONDARY FLIGHT CONTROL SYSTEM TR: Applicable aircraft TOs 8 series component TOs									
A3.10.1. Operational fundamentals								B	-
A3.10.2. Perform operational check									
A3.10.2.1. Flaps								-	-
A3.10.2.2. Trim								-	-
A3.10.2.3. Speed brakes								-	-
A3.10.2.4. Spoilers								-	-
A3.10.3. Troubleshoot									
A3.10.3.1. Flaps								-	-
A3.10.3.2. Trim								-	-
A3.10.3.3. Speed brakes								-	-
A3.10.3.4. Spoilers								-	-
A3.10.4. Inspect system components								-	-
A3.10.5. Remove/install components									
A3.10.5.1. Emergency flight control panel								-	-
A3.10.5.2. Speed brake cam limit switch								-	-
A3.10.5.3. Flap position control unit								-	-
A3.10.5.4. Flight control relay box								-	-
A3.10.6. Repair components									
A3.10.6.1. Emergency flight control panel								-	-
A3.10.6.2. Flight control relay box								-	-
A3.11. OVERHEAT/FIRE WARNING SYSTEM TR: Applicable aircraft TOs 8 series component series									
A3.11.1. Operational fundamentals									
A3.11.1.1. Engine/pylon								B	-
A3.11.1.2. Smoke detection								-	-
A3.11.1.3. APU								-	-
A3.11.1.4. Bleed air overheat								-	-
A3.11.1.5. Wing overheat								-	-
A3.11.2. Perform operational check									
A3.11.2.1. Engine/pylon	*							2b	-
A3.11.2.2. Smoke detection								-	-
A3.11.2.3. APU	*							-	-
A3.11.2.4. Bleed air overheat	*							-	-

GENERIC TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Tag Start	Tag Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A3.11.2.5. Wingoverheat	*							-	-
A3.11.3. Troubleshoot									
A3.11.3.1. Engine/pylon		*						2b	-
A3.11.3.2. Smoke detection								-	-
A3.11.3.3. APU		*						-	-
A3.11.3.4. Bleed air overheat		*						-	-
A3.11.3.5. Wing overheat		*						-	-
A3.11.4. Inspect system components		*						-	-
A3.11.5. Remove/install components									
A3.11.5.1. Sensing elements	*							-	-
A3.11.5.2. Smoke detectors								-	-
A3.11.5.3. Bleed air overheat control box								-	-
A3.11.5.4. Fire/overheat detectors	*							-	-
A3.11.5.5. Flasher control unit								-	-
A3.11.6. Adjust fire/overheat detectors								-	-
A3.11.7. Bench check fire/overheat detectors								-	-
A3.12. FIRE EXTINGUISHING SYSTEM TR: Applicable aircraft TOs 8 series component series									
A3.12.1. Operational fundamentals									
A3.12.1.1. Engine								B	-
A3.12.1.2. APU								-	-
A3.12.1.3. Wing								-	-
A3.12.1.4. Squibs/cartridge								-	-
A3.12.2. Perform operational check									
A3.12.2.1. Engine	*							2b	-
A3.12.2.2. APU	*							-	-
A3.12.2.3. Wing								-	-
A3.12.2.4. Fire doors								-	-
A3.12.3. Troubleshoot									
A3.12.3.1. Engine		*						2b	-
A3.12.3.2. APU		*						-	-
A3.12.3.3. Wing								-	-
A3.12.3.4. Fire doors								-	-
A3.12.4. Inspect system components		*						-	-
A3.12.5. Remove/install components									
A3.12.5.1. Engine fire bottle								-	-
A3.12.5.2. APU fire bottle								-	-

GENERIC TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A3.12.5.3. Squib/cartridge	*							-	-
A3.12.5.4. Wing fire bottle								-	-
A3.12.5.5. Resistor box								-	-
A3.12.5.6. T - handle assembly								-	-
A3.12.5.7. Suppressor								-	-
A3.12.6. Repair components									
A3.12.6.1. Resistor box								-	-
A3.12.6.2. T - handle assembly								-	-
A3.12.7. Bench check components									
A3.12.7.1. Resistor box								-	-
A3.12.7.2. T - handle assembly								-	-
A3.13. TAKEOFF WARNING SYSTEM TR: Applicable aircraft TOs 8 series component series									
A3.13.1. Operational fundamentals								-	-
A3.13.2. Perform operational check	*							-	-
A3.13.3. Troubleshoot		*						-	-
A3.13.4. Inspect system components		*						-	-
A3.13.5. Adjust position switches								-	-
A3.14. MASTER CAUTION/WARNING SYSTEM TR: Applicable aircraft TOs 8 series component series									
A3.14.1. Operational fundamentals								B	-
A3.14.2. Perform operational check	*							2b	-
A3.14.3. Troubleshoot		*						2b	-
A3.14.4. Inspect system components		*						-	-
A3.14.5. Remove/install components									
A3.14.5.1. Controller								-	-
A3.14.5.2. Flasher								-	-
A3.14.5.3. Annunciator panel								-	-
A3.14.5.4. Light assembly								-	-
A3.14.6. Repair components									
A3.14.6.1. Controller								-	-
A3.14.6.2. Annunciator panel								-	-
A3.14.7. Bench check components									
A3.14.7.1. Controller								-	-
A3.14.7.2. Annunciator panel								-	-

GENERIC TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Tag Start	Tag Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A3.15. DOOR CONTROL AND WARNING SYSTEM TR: Applicable aircraft TOs 8 series component TOs									
A3.15.1. Cargo Ramp/Door									
A3.15.1.1. Operational fundamentals								B	-
A3.15.1.2. Perform operational check								-	-
A3.15.1.3. Troubleshoot control and warning system								-	-
A3.15.2. Weapons doors									
A3.15.2.1. Operational fundamentals								-	-
A3.15.2.2. Perform operational check								-	-
A3.15.2.3. Troubleshoot								-	-
A3.15.2.4. Inspect System Components								-	-
A3.15.3. Adjust switches								-	-
A3.16. FUEL WARNING AND CONTROL SYSTEM TR: Applicable aircraft TOs 8 series component TOs									
A3.16.1. Operational fundamentals								-	-
A3.16.2. Perform operational check									
A3.16.2.1. Fuel warning and control system								-	-
A3.16.2.2. In-flight refueling (IFR)/Universal aerial refueling receptacle slipway installation (UARRSI) system								-	-
A3.16.2.3. Ground refuel system								-	-
A3.16.3. Troubleshoot									
A3.16.3.1. Fuel warning and control system								-	-
A3.16.3.2. In-flight refueling (IFR)/Universal aerial refueling receptacle slipway installation (UARRSI) system								-	-
A3.16.3.3. Ground refuel system								-	-
A3.16.4. Inspect System Components								-	-
A3.16.5. Remove/install components									
A3.16.5.1. Fuel management switches								-	-
A3.16.5.2. Single point refueling panel								-	-
A3.16.5.3. Fuel management panel								-	-
A3.16.5.4. Fuel & engine control relay box								-	-
A3.16.6. Repair components									
A3.16.6.1. Single point refueling panel								-	-
A3.16.6.2. Fuel management panel								-	-
A3.16.6.3. Fuel & engine control relay box								-	-
A3.16.7. Bench check components									
A3.16.7.1. Single point refueling panel								-	-

GENERIC TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Tag Start	Tag Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A3.16.7.2. Fuel management panel								-	-
A3.16.7.3. Fuel & engine control relaybox								-	-
A3.17. START AND IGNITION SYSTEM TR: Applicable aircraft TOs 8 series component TOs									
A3.17.1. Operational fundamentals								-	-
A3.17.2. Perform operational check									
A3.17.2.1. Engine								-	-
A3.17.2.2. APU								-	-
A3.17.2.3. Cartridge start								-	-
A3.17.3. Troubleshoot									
A3.17.3.1. Engine								-	-
A3.17.3.2. APU								-	-
A3.17.3.3. Cartridge start								-	-
A3.17.4. Inspect System Components								-	-
A3.17.5. Repair components									
A3.17.5.1. Centrifugal switch								-	-
A3.17.5.2. Breech cap								-	-
A3.17.5.3. Throttle quadrant								-	-
A3.17.6. Bench check components									
A3.17.6.1. Breech cap								-	-
A3.17.6.2. Throttle quadrant								-	-
A3.18. NESA ANTI-ICING SYSTEM TR: Applicable aircraft TOs 8 series component TOs									
A3.18.1. Operational fundamentals								B	-
A3.18.2. Perform operational check	*							-	-
A3.18.3. Troubleshoot		*						-	-
A3.18.4. Inspect system components		*						-	-
A3.18.5. Remove/install components									
A3.18.5.1. Temperature controller								-	-
A3.18.5.2. Windshield heat control box								-	-
A3.18.5.3. Thermal snap switch								-	-
A3.18.5.4. Transformers								-	-
A3.19. BLEED AIR DISTRIBUTION SYSTEM TR: Applicable aircraft TOs 8 series component TOs									
A3.19.1. Operational fundamentals								B	-
A3.19.2. Perform operational check	*							2b	-

GENERIC TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Tag Start	Tag Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A3.19.3. Troubleshoot		*						2b	-
A3.19.4. Inspect System Components		*						-	-
A3.19.5. Perform leakage checks	*							2b	-
A3.19.6. Perform leak check with nitrogen cart								-	-
A3.19.7. Perform duct hydrostatic check								-	-
A3.19.8. Remove/install components									
A3.19.8.1. Ducts	*							2b	-
A3.19.8.2. Insulation blankets								-	-
A3.19.8.3. Check valve	*							2b	-
A3.19.8.4. Pressure regulator/shutoff valve	*							2b	-
A3.19.8.5. Engine bleed air distribution valve	*							-	-
A3.19.8.6. Ejector valve								-	-
A3.19.8.7. By-pass valve								-	-
A3.19.8.8. Pre-cooler								-	-
A3.19.8.9. Pre-cooler temperature control valve								-	-
A3.19.8.10. Pre-cooler temperature control box								-	-
A3.19.8.11. Temperature sensor	*							-	-
A3.19.8.12. Pressure sensor	*							-	-
A3.19.8.13. Backup valve								2b	-
A3.20. AIR CONDITIONING SYSTEM TR: Applicable aircraft TOs 8 series component TOs									
A3.20.1. Operational fundamentals								B	-
A3.20.2. Subsystem fundamentals									
A3.20.2.1. Anti-Gsuit system								B	-
A3.20.2.2. Defogging system								B	-
A3.20.2.3. Rain removal system								-	-
A3.20.2.4. Avionics/equipment cooling								-	-
A3.20.3. Perform operational check									
A3.20.3.1. Air conditioning systems	*							2b	-
A3.20.3.2. Anti-Gsuit system								-	-
A3.20.3.3. Defogging system								-	-
A3.20.3.4. Rain removal system								-	-
A3.20.3.5. Temperature control	*							-	-
A3.20.3.6. Low limit 35° control/Pack Anti-ice								-	-
A3.20.3.7. Avionics/equipment cooling								-	-
A3.20.3.8. Ram air								-	-

GENERIC TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A	B
			Tag Start	Tag Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Level Course	5 Level
A3.20.3.9. Cabin heat control								-	-
A3.20.3.10. Interrogate environmental control system controller								-	-
A3.20.4. Perform leakage checks	*							2b	-
A3.20.5. Perform duct hydrostatic test								-	-
A3.20.6. Bench check fans								-	-
A3.20.7. Troubleshoot									
A3.20.7.1. Air conditioning systems		*						2b	-
A3.20.7.2. Anti-Gsuit system								-	-
A3.20.7.3. Defogging system								-	-
A3.20.7.4. Rain removal system								-	-
A3.20.7.5. Temperature control		*						-	-
A3.20.7.6. Low limit 35° control/Pack Anti-ice								-	-
A3.20.7.7. Avionics/equipment cooling								-	-
A3.20.7.8. Ram air								-	-
A3.20.7.9. Cabin heat control								-	-
A3.20.8. Inspect system components		*						-	-
A3.20.9. Remove/install components									
A3.20.9.1. Water separator								-	-
A3.20.9.2. Water separator coalescer	*							2b	-
A3.20.9.3. Air conditioning pack								-	-
A3.20.9.4. Catalytic filter								-	-
A3.20.9.5. ECS over pressure switch								-	-
A3.20.9.6. ECS pressure regulator valve								-	-
A3.20.9.7. Temperature control box								-	-
A3.20.9.8. Primary heat exchanger								-	-
A3.20.9.9. Secondary heat exchanger								-	-
A3.20.9.10. Temperature sensor	*							-	-
A3.20.9.11. ECS control panel								-	-
A3.20.9.12. Cabin duct heater								-	-
A3.20.9.13. Ejector valve								-	-
A3.20.9.14. Ram air plenum								-	-
A3.20.9.15. Ram air valve								-	-
A3.20.9.16. Air Cycle Machine/Turbines								-	-
A3.20.9.17. Pack Anti-ice valve								-	-
A3.20.9.18. Temperature control valve								-	-
A3.20.9.19. Stores cooling valve								-	-
A3.20.9.20. CTCS controller								-	-

GENERIC TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Tag Start	Tag Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A3.20.9.21. ACS/MCS controller								-	-
A3.20.9.22. Anti-G suit valve/hose								-	-
A3.20.9.23. Defog valve								-	-
A3.20.9.24. Rain removal valve								-	-
A3.20.9.25. Air conditioning control switch								-	-
A3.20.9.26. Ducting	*							-	-
A3.20.9.27. Recirculation/electric/electronic cooling/vane axial fan								-	-
A3.20.10. Repair components									
A3.20.10.1. Water separator								-	-
A3.20.10.2. ECS control panel								-	-
A3.20.10.3. Ducting								-	-
A3.20.10.4. Catalytic filter								-	-
A3.20.10.5. Recirculation/electric/electronic cooling/vane axial fan								-	-
A3.20.11. Service Air Cycle Machine/Turbine	*							-	-
A3.21. PRESSURIZATION SYSTEM TR: Applicable aircraft TOs 8 series component TOs									
A3.21.1. Operational fundamentals									
A3.21.1.1. Aircraft pressurization system								B	-
A3.21.1.2. Canopy seal system								B	-
A3.21.1.3. Fuel tank pressurization								-	-
A3.21.2. Perform operational check									
A3.21.2.1. Pressurization system	*							2b	-
A3.21.2.2. Canopy seal system								-	-
A3.21.2.3. Fuel tank pressurization								-	-
A3.21.3. Troubleshoot									
A3.21.3.1. Pressurization system		*						2b	-
A3.21.3.2. Canopy seal system								-	-
A3.21.3.3. Fuel tank pressurization								-	-
A3.21.4. Inspect system components		*						-	-
A3.21.5. Remove/install components									
A3.21.5.1. Cabin pressure regulator/controller	*							-	-
A3.21.5.2. Cabin safety valve	*							-	-
A3.21.5.3. Outflow valve	*							-	-
A3.21.5.4. Pneumatic relay								-	-
A3.21.5.5. Cabin pressure altimeter								-	-
A3.21.5.6. Central equipment bay regulator								-	-
A3.21.5.7. Forward equipment bay regulator								-	-

GENERIC TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Tag Start	Tag Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A3.21.5.8. Aft equipment bay regulator								-	-
A3.21.5.9. Low altitude switch								-	-
A3.21.5.10. High altitude switch								-	-
A3.21.5.11. Check valve								-	-
A3.21.5.12. Filters								-	-
A3.22. LIQUID COOLANT SYSTEM TR: Applicable aircraft TOs 8 series component TOs									
A3.22.1. Operational fundamentals								B	-
A3.22.2. Perform operational check	*							-	-
A3.22.3. Troubleshoot		*						-	-
A3.22.4. Inspect system components		*						-	-
A3.22.5. Remove/install components									
A3.22.5.1. Pump								-	-
A3.22.5.2. Heat exchanger								-	-
A3.22.5.3. Reservoir								-	-
A3.22.5.4. Filter								-	-
A3.22.5.5. Pressure regulator								-	-
A3.22.5.6. Test control panel								-	-
A3.22.5.7. Pressure/temperature sensors								-	-
A3.22.5.8. Bypass valve								-	-
A3.22.6. Service and recovery								-	-
A3.23. OXYGEN SYSTEMS TR: AFI 91-203 T.O. 15X1-1 T.O. 42B5-1-2 T.O. 42E1-1-1 Applicable aircraft TOs 8 series component TOs									
A3.23.1. Liquid oxygen system									
A3.23.1.1. Operational fundamentals/safety								B	-
A3.23.1.2. Perform operational check system	*							2b	-
A3.23.1.3. Troubleshoot system		*						2b	-
A3.23.1.4. Inspect System Components		*						-	-
A3.23.1.5. Purge									
A3.23.1.5.1. System	*							-	-
A3.23.1.5.2. Converter	*							2b	-
A3.23.1.6. Remove/install components									
A3.23.1.6.1. Converter	*							-	-
A3.23.1.6.2. Build-up/fill and vent valve	*							-	-

GENERIC TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Tag Start	Tag Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A3.23.1.6.3. Check valves								-	-
A3.23.1.6.4. Indicator/totalizer								-	-
A3.23.1.6.5. Distribution tubing/hoses								-	-
A3.23.1.6.6. Heat exchanger								-	-
A3.23.1.6.7. Oxygen regulator	*							2b	-
A3.23.1.7. Repair components									
A3.23.1.7.1. Converter								-	-
A3.23.1.8. Perform leak check	*							2b	-
A3.23.1.9. Clean components	*							b	-
A3.23.1.10. Drain system									
A3.23.1.10.1. Converter	*							-	-
A3.23.1.11. Service system									
A3.23.1.11.1. Converter	*							-	-
A3.23.2. Gaseous Oxygen System									
A3.23.2.1. Operational fundamentals/safety								B	-
A3.23.2.2. Perform operational check									
A3.23.2.2.1. Portable/back-up oxygen system								-	-
A3.23.2.2.2. Oxygen regulator	*							-	-
A3.23.2.2.3. Selector flowswitch								-	-
A3.23.2.2.4. High/low pressure systems								2b	-
A3.23.2.3. Troubleshoot									
A3.23.2.3.1. Portable/back-up oxygen system								-	-
A3.23.2.3.2. Oxygen regulator								-	-
A3.23.2.3.3. Selector flowswitch								-	-
A3.23.2.3.4. High/low pressure systems								-	-
A3.23.2.4. Inspect system components		*						-	-
A3.23.2.5. Remove/install components									
A3.23.2.5.1. Storage bottle/cylinder								-	-
A3.23.2.5.2. Service/drain valve								-	-
A3.23.2.5.3. Oxygen regulator	*							-	-
A3.23.2.5.4. Check valve								-	-
A3.23.2.5.5. Shut off valve								-	-
A3.23.2.5.6. Low pressure switch								-	-
A3.23.2.5.7. Distribution tubing/hoses								-	-
A3.23.2.5.8. Walk around bottle regulator								-	-
A3.23.2.5.9. HPOS walk around bottle regulator								-	-
A3.23.2.5.10. Selector flowswitch								-	-

GENERIC TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Tag Start	Tag Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A3.23.2.5.11. Bail out bottle regulator								-	-
A3.23.2.6. Perform leak check	*							2b	-
A3.23.2.7. Clean components	*							-	-
A3.23.2.8. Purge system								-	-
A3.23.2.9. Drain system								-	-
A3.23.2.10. Service system								-	-
A3.23.2.11. Bail out bottle									
A3.23.2.11.1. Service/purge								-	-
A3.23.2.11.2. Repair								-	-
A3.23.2.11.3. Inspect								-	-
A3.23.2.11.4. Leak check								-	-
A3.23.3. Self-generating oxygen system (MSOGS/OBOGS) TR: 8 series component T Os									
A3.23.3.1. Operational fundamentals								B	-
A3.23.3.2. Perform operational check	*							-	-
A3.23.3.3. Troubleshoot		*						-	-
A3.23.3.4. Inspect system components		*						-	-
A3.23.3.5. Purge system								-	-
A3.23.3.6. Remove/install components									
A3.23.3.6.1. Concentrator	*							-	-
A3.23.3.6.2. Particle filter								-	-
A3.23.3.7. Perform leak check	*							-	-
A3.23.3.8. Clean components and tools	*							-	-
A3.24. FUEL INERTING SYSTEM ON-BOARD INERT GAS GENERATING SYSTEM (OBIGGS) TR: Applicable aircraft T Os 8 series component T Os									
A3.24.1. Operational fundamentals								-	-
A3.24.2. Perform operational check								-	-
A3.24.3. Troubleshoot								-	-
A3.24.4. Inspect concentrator								-	-
A3.24.5. Remove/install concentrator								-	-
A3.24.6. Perform leak checks								-	-
A3.25. MISCELLANEOUS SYSTEMS TR: Applicable aircraft/equipment T Os 8 series component T Os									
A3.25.1. Operational fundamentals									
A3.25.1.1. Aircrew eye respiratory protection system (AERP)								-	-
A3.25.1.2. Thermal flash/protection power sources								-	-

GENERIC TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Tag Start	Tag Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A3.25.1.3. Windshield wiper								-	-
A3.25.1.4. Wing anti-icing system								B	-
A3.25.1.5. Cowl/Nacelle anti-ice								-	-
A3.25.1.6. Engine anti-ice								-	-
A3.25.1.7. De-icing								-	-
A3.25.2. Perform operational check									
A3.25.2.1. Aircreweye respiratory protection system (AERP)								-	-
A3.25.2.2. Thermal flash/protection power sources								-	-
A3.25.2.3. Windshield wiper								-	-
A3.25.2.4. Wing anti-icing system	*							-	-
A3.25.2.5. Cowl/Nacelle anti-ice	*							-	-
A3.25.2.6. Engine anti-ice	*							-	-
A3.25.2.7. De-icing	*							-	-
A3.25.3. Troubleshoot									
A3.25.3.1. Aircreweye respiratory protection system (AERP)								-	-
A3.25.3.2. Thermal flash/protection power sources								-	-
A3.25.3.3. Windshield wiper								-	-
A3.25.3.4. Wing anti-icing system		*						-	-
A3.25.3.5. Cowl/Nacelle anti-ice		*						-	-
A3.25.3.6. Engine anti-ice		*						-	-
A3.25.3.7. De-icing		*						-	-
A3.25.4. Inspect system components		*						-	-
A3.25.5. Remove/install components									
A3.25.5.1. AERP control box								-	-
A3.25.5.2. Thermal Flash Conditioner								-	-
A3.25.5.3. Miscellaneous relay box								-	-
A3.25.5.4. Cowl/Nacelle anti-ice									
A3.25.5.4.1. Modulation/shutoff valve								-	-
A3.25.5.4.2. Temp Sensor/thermal switch								-	-
A3.25.5.4.3. Controller								-	-
A3.25.5.5. De-ice									
A3.25.5.5.1. Boots								-	-
A3.25.5.5.2. Sequence Valve								-	-
A3.25.6. Repair miscellaneous relay box								-	-
A3.25.7. Bench check miscellaneous relay box								-	-

B-2 TRAINING REQUIREMENTS

			2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
1. Tasks, Knowledge And Technical References					A	B	C	D	E	A 3 Level	B 5 Level
			5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1)
ATTACHMENT 4											
NOTE 1: In addition to attachment 2, personnel assigned to maintain B-2 aircraft will perform the tasks and knowledge in attachment 4.											
NOTE 2: Users are responsible for annotating training references to identify current references pending ST Srevision.											
NOTE 3: Address comments and recommended changes through Unit Training Managers to the MAJCOM Maintenance Training Manager, HQ ACC/A4QT. MAJCOM Training and Functional Managers forward inputs to the AETC Training Manager, DSN 736-6297.											
A4.1.	AIRCRAFT FAMILIARIZATION TR: T.O. 1B-2A-2-00GV-00-1 T.O. 1B-2A-2-01JG Series T.O. 1B-2A-2-05GS-00-1 T.O. 1B-2A-2-05JG Series										
A4.1.1.	Engine air intake and exhaust									-	-
A4.1.2.	High intensity sound									-	-
A4.1.3.	Turbine plane of rotation									-	-
A4.1.4.	Antenna radiation									-	-
A4.1.5.	Ground handling of aircraft									-	-
A4.1.6.	Hot brakes									-	-
A4.1.7.	Perform hardness critical procedures		*							-	-
A4.1.8.	Perform observable critical procedures		*							-	-
A4.1.9.	Operate crew entry door									-	-
A4.1.10.	Operate aft equipment bay door									-	-
A4.1.11.	Operate weapons bay doors									-	-
A4.1.12.	Open/close engine AMAD bay doors		*							-	-
A4.1.13.	Open/close hydraulic / ECS bay doors		*							-	-
A4.1.14.	Apply/remove external electrical power		*							-	-
A4.1.15.	Apply/remove cooling air		*							-	-
A4.1.16.	Apply/remove external bleed air		*							-	-
A4.1.17.	Ensure aircraft safe for maintenance		*							-	-
A4.2.	ENVIRONMENTAL CONTROL SYSTEM (ECS) TR: T.O. 1B-2A-2-21GS-00-1 T.O. 1B-2A-2-21JG Series T.O. 1B-2A-2-40JG Series										
A4.2.1.	Operational fundamentals									-	-
A4.2.2.	Inspect			*						-	-
A4.2.3.	Troubleshoot			*						-	-
A4.2.4.	Perform ECS operational check		*							-	-
A4.2.5.	Perform ECS leak checks		*							-	-
A4.2.6.	Perform ECS power up /power down		*							-	-
A4.2.7.	Perform display cooling fan operational check		*							-	-
A4.2.8.	Perform crew compartment pressure test and leak check		*							-	-
A4.2.9.	Perform ECS ground readiness test									-	-

B-2 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A	B
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Level (1) Course	5 Level (1)
A4.2.10. ECS Special Maintenance Requirements TR: T.O. 1B-2A-2-21GS-00-1									
A4.2.10.1. Purge EGW wetted parts								-	-
A4.2.10.2. Adjust outflow valve switch	*							-	-
A4.2.11. Remove/Install ECS Control Components TR: T.O. 1B-2A-2-21JG-10-1									
A4.2.11.1. Aft avionics cooling fan power contactor								-	-
A4.2.11.2. System controller								-	-
A4.2.11.3. ECS control panel								-	-
A4.2.12. Remove/Install ECS Recalculated Air Sub-system Components TR: T.O. 1B-2A-2-21JG-20-1 T.O. 1B-2A-2-21JG-20-2 T.O. 1B-2A-2-21JG-20-2									
A4.2.12.1. Ground air inlets								-	-
A4.2.12.2. Ground air outlets								-	-
A4.2.12.3. Check valves								-	-
A4.2.12.4. Avionics cooling fan	*							-	-
A4.2.12.5. Avionics cooling fan assembly filter								-	-
A4.2.12.6. Avionics emergency cooling valve								-	-
A4.2.12.7. Avionics pressure rise sensor								-	-
A4.2.12.8. Avionics low pressure sensor								-	-
A4.2.12.9. Avionics air over temperature sensor								-	-
A4.2.13. Remove/Install ECS Pressurization Sub-system Components TR: T.O. 1B-2A-2-21JG-30-1									
A4.2.13.1. Crew compartment outflow valve	*							-	-
A4.2.13.2. Crew compartment safety valve	*							-	-
A4.2.13.3. Outflow valve control								-	-
A4.2.14. Remove/Install ECS Warm Air Sub-system Components TR: T.O. 1B-2A-2-21JG-40-1									
A4.2.14.1. Check valves								-	-
A4.2.14.2. Temperature control valve								-	-
A4.2.14.3. Crossover valve								-	-
A4.2.14.4. Precooler assembly								-	-
A4.2.14.5. Temperature sensor								-	-
A4.2.14.6. Defog diverter valve								-	-
A4.2.14.7. Defog heat exchanger								-	-
A4.2.14.8. Defog temperature control valve								-	-

B-2 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A	B
			Tag Start	Tag Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Level (1) Course	5 Level (1)
A4.2.15. Remove/Install ECS Cooling Sub-system Components TR: T.O. 1B-2A-2-21JG-50-1 T.O. 1B-2A-2-21JG-50-2									
A4.2.15.1. Weapons air flow control valve								-	-
A4.2.15.2. Check valves								-	-
A4.2.15.3. Conditioned air intercooler assembly								-	-
A4.2.15.4. Conditioned air cycle pack								-	-
A4.2.15.5. Conditioned air cycle machine	*							-	-
A4.2.15.6. Conditioned air water extractor								-	-
A4.2.15.7. Conditioned air temp control valve								-	-
A4.2.15.8. Conditioned air condenser relief valve								-	-
A4.2.15.9. Conditioned air filter								-	-
A4.2.15.10. Conditioned air flow control valve								-	-
A4.2.15.11. Conditioned air flow distribution valve								-	-
A4.2.15.12. Conditioned air flow sensor								-	-
A4.2.15.13. Foot warmer diffuser								-	-
A4.2.15.14. Equipment air cycle pack								-	-
A4.2.15.15. Equipment air flow control valve								-	-
A4.2.15.16. Equipment air cycle machine	*							-	-
A4.2.15.17. Equipment air bypass valve								-	-
A4.2.15.18. Equipment air sink heat exchanger								-	-
A4.2.16. ECS Liquid Cooling System (LCS) TR: T.O. 1B-2A-2-21JG-80-1 T.O. 1B-2A-2-21JG-80-2 T.O. 1B-2A-2-21JG-80-3 T.O. 1B-2A-2-21JG-80-4									
A4.2.16.1. Perform LCS fluid replacement and leak check	*							-	-
A4.2.16.2. Perform LCS fluid sampling								-	-
A4.2.16.3. Perform LCS fluid air entrapment check	*							-	-
A4.2.16.4. Perform EGW fluid replacement and leak check	*							-	-
A4.2.16.5. Perform EGW fluid sampling								-	-
A4.2.16.6. Perform sink heat exchanger and air cycle pack EGW fluid replacement and leak check	*							-	-
A4.2.16.7. Perform EGW fluid air entrapment check	*							-	-
A4.2.16.8. Perform DMS fluid replacement and leak check	*							-	-
A4.2.16.9. Perform DMS fluid sampling								-	-
A4.2.16.10. Perform DMS fluid air entrapment check	*							-	-

B-2 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A	B
			Tag Start	Tag Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Level (1) Course	5 Level (1)
A4.2.17. Remove/Install ECS Liquid Cooling Sub-System Components TR: T.O. 1B-2A-2-21JG-80-1 T.O. 1B-2A-2-21JG-80-2 T.O. 1B-2A-2-21JG-80-3 T.O. 1B-2A-2-21JG-80-4									
A4.2.17.1. LCS pump package	*							-	-
A4.2.17.2. LCS heat exchanger								-	-
A4.2.17.3. LCS coolant pressure relief valve								-	-
A4.2.17.4. LCS overboard pressure relief valve								-	-
A4.2.17.5. LCS coolant overflow container								-	-
A4.2.17.6. EGW pump package	*							-	-
A4.2.17.7. Forward EGW heat exchanger								-	-
A4.2.17.8. CTB EGW heat exchanger								-	-
A4.2.17.9. Aft EGW heat exchanger								-	-
A4.2.17.10. DMS pump package	*							-	-
A4.2.17.11. DMS heat exchanger								-	-
A4.2.18. Repair / Overhaul / Bench Check Components TR: T.O. 8C Series T.O. 8D Series T.O. 15A Series									
A4.2.18.1. ECS control panel								-	-
A4.2.18.2. Air conditioning air cycle pack								-	-
A4.2.18.3. Liquid media cooling switch panels								-	-
A4.2.18.4. Conditioned air filter								-	-
A4.2.18.5. Desiccant filter								-	-
A4.2.18.6. Conditioned air exhaust port								-	-
A4.2.18.7. Emergency cooling air valve								-	-
A4.2.18.8. Outflow valve								-	-
A4.3. ELECTRICAL POWER SYSTEM TR: T.O. 1B-2A-2-24GS-00-1 T.O. 1B-2A-2-24JG Series									
A4.3.1. Operational fundamentals								-	-
A4.3.2. Perform AC operational check	*							-	-
A4.3.3. Perform DC operational check	*							-	-
A4.3.4. Perform external power operational check	*							-	-
A4.3.5. Perform chip detector checkout	*							-	-
A4.3.6. Inspect		*						-	-
A4.3.7. Troubleshoot		*						-	-

B-2 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A	B
			Tag Start	Tag Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Level (1) Course	5 Level (1)
A4.3.8. Perform Electrical System Special Maintenance Requirements TR: T.O. 1B-2A-2-24GS-00-1									
A4.3.8.1. Circuit breaker panel maintenance		*						-	-
A4.3.8.2. AC CB panel differential protection current transformer assembly (DPCTA) maintenance								-	-
A4.3.8.3. Diode panel maintenance								-	-
A4.3.8.4. Power contactor maintenance								-	-
A4.3.8.5. Bus diode maintenance								-	-
A4.3.8.6. MUX bus coupler maintenance								-	-
A4.3.8.7. Converter regulator (CR) support assembly maintenance								-	-
A4.3.9. Remove/Install AC System Components TR: T.O. 1B-2A-2-24JG-20-1									
A4.3.9.1. IDG	*							-	-
A4.3.9.2. Generator control unit								-	-
A4.3.9.3. Line contactor								-	-
A4.3.9.4. Bus contactor								-	-
A4.3.9.5. Current control transformer assembly (CCTA)								-	-
A4.3.9.6. Differential protection current transformer assembly (DPCTA)								-	-
A4.3.9.7. IDG chip detector								-	-
A4.3.9.8. Bus control unit	*							-	-
A4.3.10. Remove/Install DC System Components TR: T.O. 1B-2A-2-24JG-30-1									
A4.3.10.1. Transformer rectifier								-	-
A4.3.10.2. Battery	*							-	-
A4.3.10.3. Battery charger	*							-	-
A4.3.10.4. Battery circuit breaker								-	-
A4.3.10.5. DC bus fuse								-	-
A4.3.10.6. APU generator control unit								-	-
A4.3.10.7. APU permanent magnet generator								-	-
A4.3.10.8. Converter regulator								-	-
A4.3.10.9. AMAD permanent magnet generator								-	-
A4.3.11. Remove/Install External Power System Components TR: T.O. 1B-2A-2-24JG-40-1									
A4.3.11.1. External power DPCTA								-	-
A4.3.11.2. External power contactor								-	-
A4.3.11.3. External power receptacle								-	-

B-2 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A	B
			Tag Start	Tag Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Level (1) Course	5 Level (1)
A4.3.12. Remove/Install Electrical Load Distribution Components TR: T.O. 1B-2A-2-24JG-50-1									
A4.3.12.1. DC bus tie relay								-	-
A4.3.12.2. Electrical power control panel								-	-
A4.3.12.3. Ground power control panel								-	-
A4.3.12.4. Air undercool sensor								-	-
A4.3.12.5. Undercool warning bell								-	-
A4.3.12.6. Power control unit								-	-
A4.3.12.7. Processor control panel								-	-
A4.3.13. Repair / Overhaul / Bench Check Components TR: T.O. 8C Series T.O. 8D Series									
A4.3.13.1. Electrical power control panel								-	-
A4.3.13.2. Ground power control panel								-	-
A4.3.13.3. Transformer rectifier								-	-
A4.3.13.4. Diode panel								-	-
A4.3.13.5. Battery								-	-
A4.4. REPAIR / OVERHAUL / BENCH CHECK EQUIPMENT/FURNISHINGS SYSTEM COMPONENTS TR: T.O. 8D Series T.O. 13A Series									
A4.4.1. Crew entry hatch control panel								-	-
A4.4.2. Sustenance container								-	-
A4.5. FIRE PROTECTION SYSTEM TR: T.O. 1B-2A-2-26GS-00-1 T.O. 1B-2A-2-26JG Series									
A4.5.1. Operational fundamental								-	-
A4.5.2. Perform fire protection operational checkout	*							-	-
A4.5.3. Perform extinguishing operational checkout	*							-	-
A4.5.4. Inspect		*						-	-
A4.5.5. Troubleshoot		*						-	-
A4.5.6. Fire Protection Special Maintenance Requirements TR: T.O. 1B-2A-2-26GS-00-1									
A4.5.6.1. Remove/install fire and overheat connector	*							-	-
A4.5.7. Remove/Install Fire Protection System Components TR: T.O. 1B-2A-2-26JG-10-1									
A4.5.7.1. Fire master switch								-	-
A4.5.7.2. Fire warning leak detection terminal protection								-	-
A4.5.7.3. Leak detector controller								-	-
A4.5.7.4. Fire and aft tailpipe O/H sensor	*							-	-
A4.5.7.5. Leak detector								-	-

B-2 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A	B
			Tag Start	Tag Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Level (1) Course	5 Level (1)
A4.5.8. Remove/Install Fire Extinguishing System Components TR: T.O. 1B-2A-2-26JG-20-1 T.O. 1B-2A-2-26JG-20-2 T.O. 1B-2A-2-26JG-20-3									
A4.5.8.1. Fire extinguishing bottle	*							-	-
A4.5.8.2. Engine fire extinguishing head and bottle discharge cartridge								-	-
A4.5.8.3. Agent discharge switch								-	-
A4.5.8.4. Ground alert horn								-	-
A4.5.8.5. ENG/APU fire switch								-	-
A4.5.8.6. Initiator								-	-
A4.5.8.7. Fire extinguishing relay panel								-	-
A4.5.8.8. APU discharge head and APU discharge cartridge								-	-
A4.5.8.9. Butterfly valve								-	-
A4.5.9. Repair / Overhaul / Bench Check Components TR: T.O. 8D Series T.O. 15A Series									
A4.5.9.1. Fire extinguisher relay panel								-	-
A4.5.9.2. Terminal protection device housing assembly								-	-
A4.6. REPAIR / OVERHAUL / BENCH CHECK FLIGHT CONTROL SYSTEM COMPONENTS TR: T.O. 8D Series									
A4.6.1. Flight control panel								-	-
A4.7. ICE AND RAIN PROTECTION SYSTEM TR: T.O. 1B-2A-2-30GS-00-1 T.O. 1B-2A-2-30JG Series									
A4.7.1. Operational fundamentals								-	-
A4.7.2. Perform windshield AI/RR operational check								-	-
A4.7.3. Perform windshield AI/RR leak check								-	-
A4.7.4. Inspect		*						-	-
A4.7.5. Troubleshoot		*						-	-
A4.7.6. Remove/Install Ice/Rain Protection System Components TR: T.O. 1B-2A-2-30JG-40-1									
A4.7.6.1. Air pressure regulator shutoff valve								-	-
A4.7.6.2. Air overtemp shut off valve								-	-
A4.7.6.3. Nozzle								-	-
A4.7.6.4. Air temp sensor								-	-
A4.8. CONTROL & DISPLAY SYSTEM TR: T.O. 1B-2A-2-31JG-10-1									
A4.8.1. Remove/install disk cartridge								-	-
A4.9. LANDING GEAR SYSTEM TR: T.O. 1B-2A-2-32GS-00-1									
A4.9.1. Operational fundamentals								-	-

B-2 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A	B
			Tag Start	Tag Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Level (1) Course	5 Level (1)
A4.9.2. Inspect		*						-	-
A4.9.3. Troubleshoot		*						-	-
A4.9.4. Remove/Install Landing Gear System Components TR: T.O. 1B-2A-2-32JG Series									
A4.9.4.1. Landing gear control assembly								-	-
A4.9.4.2. Proximity sensors								-	-
A4.9.4.3. Proximity sensor logic unit								-	-
A4.9.5. Repair / Overhaul / Bench Check Landing Gear System Components TR: T.O. 8C Series T.O. 9H Series T.O. 16W Series									
A4.9.5.1. Landing gear control panel								-	-
A4.9.5.2. Emergency landing gear control panel								-	-
A4.9.5.3. Door lock selector valve								-	-
A4.9.5.4. Isolation valve selector								-	-
A4.9.5.5. Accumulator service crew entry/brake panel								-	-
A4.10. LIGHTING SYSTEM TR: T.O. 1B-2-33GS-00-1 T.O. 1B-2A-2-33JG Series									
A4.10.1. Operational fundamentals								-	-
A4.10.2. Perform crew compartment lighting operational checkout	*							-	-
A4.10.3. Perform service lighting operational checkouts	*							-	-
A4.10.4. Perform exterior lighting operational checkout	*							-	-
A4.10.5. Perform emergency lighting operational checkout	*							-	-
A4.10.6. Inspect		*						-	-
A4.10.7. Troubleshoot		*						-	-
A4.10.8. Remove/Install Crew Compartment Lighting Components TR: T.O. 1B-2A-2-33JG-10-1 T.O. 1B-2A-2-33JG-10-2									
A4.10.8.1. Warning caution advisory panel								-	-
A4.10.8.2. Master warning/master caution switch								-	-
A4.10.8.3. Floodlights								-	-
A4.10.8.4. Utility lights								-	-
A4.10.8.5. Dimmers								-	-
A4.10.8.6. Lighting control panel								-	-
A4.10.8.7. Entry light switch								-	-
A4.10.8.8. Time delay								-	-
A4.10.9. Remove/Install Service Lighting Components TR: T.O. 1B-2A-2-33JG-30-1									
A4.10.9.1. Weapons bay lights								-	-
A4.10.9.2. Main/nose wheel well lights								-	-

B-2 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A	B
			Tag Start	Tag Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Level (1) Course	5 Level (1)
A4.10.9.3. Aft equipment bay light								-	-
A4.10.9.4. Right radar bay light								-	-
A4.10.10. Remove/install exterior lighting components TR: T.O. 1B-2A-2-33JG-40-1									
A4.10.10.1. Landing-taxi light								-	-
A4.10.10.2. A/R lead-in floodlight								-	-
A4.10.10.3. Inlet floodlight								-	-
A4.10.10.4. Nacelle floodlight								-	-
A4.10.10.5. Wing tip light								-	-
A4.10.10.6. Dimmer								-	-
A4.10.10.7. Wing tip power supply								-	-
A4.10.11. Remove/ Install Emergency Lighting Components TR: T.O. 1B-2A-2-33JG-50-1									
A4.10.11.1. Emergency light								-	-
A4.10.12. Repair / Overhaul / Bench Check Components TR: T.O. 8A Series									
A4.10.12.1. Power supply wing tip lighting								-	-
A4.10.12.2. Light assembly A/C position and strobe	*							-	-
A4.10.12.3. Pilots lighting control panel								-	-
A4.10.12.4. Overhead lighting control panel								-	-
A4.11. OXYGEN SYSTEM TR: T.O. 1B-2A-2-35GS-00-1 T.O. 1B-2A-2-35JG Series T.O. 1B-2A-2-40JG Series									
A4.11.1. Operational fundamentals								-	-
A4.11.2. Perform primary oxygen system operational check	*							-	-
A4.11.3. Perform back-up oxygen system (BOS) operational check	*							-	-
A4.11.4. Perform oxygen system purge	*							-	-
A4.11.5. Perform BOS Cylinder Assembly depressurization								-	-
A4.11.6. Perform oxygen system selective GRT								-	-
A4.11.7. Inspect		*						-	-
A4.11.8. Troubleshoot		*						-	-
A4.11.9. Oxygen System Special Maintenance Requirements TR: T.O. 1B-2A-2-35GS-00-1									
A4.11.9.1. Service EOS cylinder assembly (Off- Equipment)	*							-	-
A4.11.10. Remove/Install Oxygen System Components TR: T.O. 1B-2A-2-35JG-10-1 T.O. 1B-2A-2-35JG-10-2									
A4.11.10.1. Oxygen concentrator	*							-	-
A4.11.10.2. Inlet filter	*							-	-
A4.11.10.3. Outlet filter	*							-	-
A4.11.10.4. Composition monitor								-	-

B-2 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
	Tag Start	Tag Complete	Trainee Initials	Trainer Initials	Certifier Initials			(1) Course	(1)
A4.11.10.5. Oxygen breathing regulator	*							-	-
A4.11.10.6. Oxygen control panel								-	-
A4.11.10.7. BOS cylinder assembly								-	-
A4.11.10.8. BOS release valve								-	-
A4.11.10.9. EOS cylinder								-	-
A4.11.11. Repair / Overhaul / Bench Check Components TR: T.O. 15X Series									
A4.11.11.1. Oxygen system control panel								-	-
A4.12. PNEUMATIC SYSTEM TR: T.O. 1B-2A-2-36GS-00-1 T.O. 1B-2A-2-36JG Series									
A4.12.1. Operational fundamentals								-	-
A4.12.2. Perform bleed air control panel check	*							-	-
A4.12.3. Inspect		*						-	-
A4.12.4. Troubleshoot		*						-	-
A4.12.5. Pneumatic System Special Maintenance Requirements TR: T.O. 1B-2A-2-36GS-00-1									
A4.12.5.1. Perform 5TH and 9TH primary pressure regulator switch check								-	-
A4.12.6. Remove/Install Pneumatic System Components TR: T.O. 1B-2A-2-36JG-10-1 T.O. 1B-2A-2-36JG-20-1									
A4.12.6.1. 5TH primary pressure regulator valve	*							-	-
A4.12.6.2. Bleed air check valve								-	-
A4.12.6.3. Isolation valve								-	-
A4.12.6.4. Ejector valve								-	-
A4.12.6.5. Bleed air control panel								-	-
A4.12.6.6. 9th primary pressure regulator	*							-	-
A4.12.6.7. Secondary pressure regulator								-	-
A4.12.6.8. Bleed air pressure sensor								-	-
A4.12.7. Repair / Overhaul / Bench Check Components TR: T.O. 8D Series T.O. 9P Series									
A4.12.7.1. Bleed air control panel								-	-
A4.12.7.2. Valves								-	-
A4.13. ELECTRICAL/ELECTRONIC AND MULTIPURPOSE SYSTEM COMPONENTS TR: T.O. 1B-2A-2-39GS-00-1 T.O. 1B-2A-2-39JG Series									
A4.13.1. Operational fundamentals								-	-
A4.13.2. Inspect		*						-	-
A4.13.3. Troubleshoot		*						-	-

B-2 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1)
A4.13.4. Remove/Install Electrical/Electronic Panels TR: T.O. 1B-2A-2-39JG-40-1 T.O. 1B-2A-2-39JG-40-2									
A4.13.4.1. Relay panels								-	-
A4.13.4.2. APU/engine start control panel								-	-
A4.13.4.3. Alert switch control panel								-	-
A4.13.4.4. Brake/landing light control panel								-	-
A4.13.4.5. Diode panel								-	-
A4.13.4.6. Relay power panel								-	-
A4.13.5. Repair / Overhaul / Bench Check Components TR: T.O. 8A Series T.O. 8D Series T.O. 8R Series									
A4.13.5.1. Relay panels								-	-
A4.13.5.2. Alert switch control panel								-	-
A4.13.5.3. APU/engine start control panel								-	-
A4.13.5.4. Brake/landing light control panel								-	-
A4.13.5.5. Diode panel								-	-
A4.13.5.6. Relay power panel								-	-
A4.14. REPAIR / OVERHAUL / BENCH CHECK AUXILIARY POWER SYSTEM COMPONENTS TR: T.O. 8D Series T.O. 8P Series									
A4.14.1. Check valves								-	-
A4.14.2. APU maintenance panel								-	-
A4.14.3. Alert arm control panel								-	-
A4.15. REPAIR / OVERHAUL / BENCH CHECK POWER SYSTEM COMPONENTS TR: T.O. 8D Series									
A4.15.1. Engine auxiliary inlet doors control panel								-	-
A4.16. REPAIR / OVERHAUL / BENCH CHECK ENGINE AIR SYSTEM COMPONENTS TR: T.O. 15E Series									
A4.16.1. Ice detector								-	-
A4.17. REPAIR / OVERHAUL / BENCH CHECK ENGINE CONTROL SYSTEM COMPONENTS TR: T.O. 5E Series T.O. 8C Series									
A4.17.1. Throttle quadrant/grips								-	-
A4.17.2. Alternate throttle panel								-	-
A4.18. REPAIR / OVERHAUL / BENCH CHECK ACCESSORY GEARBOX SYSTEM COMPONENTS TR: T.O. 5L Series T.O. 8D Series									
A4.18.1. AMAD Oil Readout Panel								-	-
A4.18.2. Accessory Drive Control Panel								-	-

B-2 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A	B
	5	7	Trng Start	Trng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Level (1) Course	5 Level (1)
A4.18.3. Chip Detector Power Module								-	-
A4.18.4. Fan/Duct Assembly								-	-
A4.19. REPAIR / OVERHAUL / BENCH CHECK CREW									
A4.19.1. Seat Adjustment Control Panel Assembly								-	-
A4.20. CENTER WING SKIN/PANELS									
A4.20.1. Remove/Install Crew Station Liners								-	-
A4.21. LITHIUM ION BATTERY MAINTENANCE TR: T.O.									
A4.21.1. Operate Battery Electronics Test Set (BETS)	*							-	-
A4.21.2. Charge Lithium Ion Battery	*							-	-
A4.21.3. Discharge Lithium Ion Battery	*							-	-
A4.21.4. Remove Lithium Ion System Components	*							-	-
A4.21.5. Install Lithium Ion System Components	*							-	-
A4.21.6. Inspect Lithium Ion System Components		*						-	-
A4.22. POWER SUPPLIES									
A4.22.1. Operate DC power supply								-	-
A4.22.2. Operate AC power supply								-	-

C-5 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Tag Start	Tag Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
ATTACHMENT 5 NOTE 1: In addition to attachment 2, personnel assigned to maintain C-5 aircraft will perform the tasks and knowledge in attachment 5. NOTE 2: Users are responsible for annotating training references to identify current references pending ST Srevision. NOTE 3: Address comments and recommended changes through Unit Training Managers to the MAJCOM Maintenance Training Manager @ HQ AMC/ A4MMT, 402 Scott Drive Unit 2A2, Scott AFB, IL 62225-5308; or call DSN 779-4787. MAJCOM Training and Functional Managers forward inputs to the AETC Training Manager, DSN 736-6297.									
A5.1. AC POWER SYSTEM TR: T.O. 1C-5M-2-7-1									
A5.1.1. Operational fundamentals								-	-
A5.1.2. Perform Operational System Check									
A5.1.2.1. Main AC generator system	*							-	-
A5.1.2.2. Emergency generator system	*							-	-
A5.1.2.3. Auxiliary Power Unit (APU)	*							-	-
A5.1.2.4. BPCU Interrogation/BIT check								-	-
A5.1.3. Troubleshoot system									
A5.1.3.1. Main AC power generator		*						-	-
A5.1.3.2. Emergency generator system								-	-
A5.1.3.3. APU		*						-	-
A5.1.4. Inspect System components									
A5.1.4.1. AC Power Generator		*						-	-
A5.1.4.2. Emergency Generator		*						-	-
A5.1.4.3. APU		*						-	-
A5.1.5. Remove/Install components									
A5.1.5.1. Emergency Generator								-	-
A5.1.5.2. Bus Protection Panels								-	-
A5.1.5.3. Current transformer								-	-
A5.1.5.4. Power Transfer Relays	*							-	-
A5.1.5.5. Engine IDG Sensors and Switches								-	-
A5.1.5.6. IDG coolers								-	-
A5.1.5.7. Generator Control Unit (GCU)	*							-	-
A5.1.5.8. External Power Relay (EPR)								-	-
A5.1.5.9. Generator Relay								-	-
A5.1.5.10. Auxiliary Power Relay								-	-
A5.1.5.11. Bus Tie Relay								-	-
A5.1.5.12. AC Power System Load Meter								-	-
A5.1.5.13. Transformer								-	-
A5.1.5.14. AC Cross Tie Relay (ACXTR)								-	-
A5.1.5.15. Bus Power Control Unit (BPCU)	*							-	-
A5.1.5.16. APU Generator Select Contactor								-	-

C-5 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A5.1.5.17. Monitor Bus Contactor								-	-
A5.1.5.18. Power Bus Assembly								-	-
A5.1.5.19. AC System Control Panel								-	-
A5.1.5.20. Control Panel Gauges								-	-
A5.1.5.21. Switches								-	-
A5.1.5.22. Light Modules								-	-
A5.1.6. Repair components									
A5.1.6.1. AC Generator								-	-
A5.1.6.2. Emergency Generator								-	-
A5.1.6.3. GCU								-	-
A5.1.6.4. Bus Protection Panels								-	-
A5.1.6.5. Power Transfer Relays								-	-
A5.1.7. Bench check									
A5.1.7.1. Emergency Generator								-	-
A5.1.7.2. GCU								-	-
A5.1.7.3. Bus Protection Panels								-	-
A5.1.7.4. Power Transfer Relays								-	-
A5.2. DC POWER SYSTEM TR: T.O. 1C-5M-2-7-1									
A5.2.1. Operational fundamentals								-	-
A5.2.2. Perform Operational System Check	*							-	-
A5.2.3. Troubleshoot System		*						-	-
A5.2.4. Inspect System Components		*						-	-
A5.2.5. Remove/Install components									
A5.2.5.1. Reverse current relays	*							-	-
A5.2.5.2. Bus relays								-	-
A5.2.5.3. Panels								-	-
A5.2.5.4. Aircraft Battery	*							-	-
A5.2.5.5. APU Battery								-	-
A5.2.5.6. Aircraft Battery Electronics Control Module (BECM)	*							-	-
A5.2.5.7. APU Battery Electronics Control Module (BECM)								-	-
A5.2.5.8. APU Start Contactor								-	-
A5.2.5.9. APU Battery Isolation Contactor								-	-
A5.2.5.10. APU BECM Power Output Relay								-	-
A5.2.5.11. APU Bus Power Select Relay								-	-
A5.2.5.12. Regulated Transformer Rectifier Units (RTRU)									
A5.2.5.12.1 No. 1 RTRU								-	-

C-5 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A5.2.5.12.2 No. 2 RTRU								-	-
A5.2.5.12.3 Emergency RTRU								-	-
A5.2.5.13. Power Diode Assembly								-	-
A5.2.5.14. DC System Control Panel								-	-
A5.2.5.15. Control Panel Gauges								-	-
A5.2.5.16. Switches								-	-
A5.2.5.17. Light Modules								-	-
A5.2.6. Repair components									
A5.2.6.1. Bus relays								-	-
A5.2.6.2. Panels								-	-
A5.2.6.3. Reverse current relays								-	-
A5.2.7. Bench check									
A5.2.7.1. Reverse current relays								-	-
A5.2.7.2. Bus relays								-	-
A5.2.7.3. Panels								-	-
A5.3. EXTERNAL POWER SYSTEM TR: T.O. 1C-5M-2-7-1 Series									
A5.3.1. Operational fundamentals								-	-
A5.3.2. Perform Operational System Check	*							-	-
A5.3.3. Troubleshoot System		*						-	-
A5.3.4. Inspect System Components		*						-	-
A5.3.5. Connect and disconnect external electrical power	*							-	-
A5.3.6. Apply control/display electrical power and core	*							-	-
A5.3.7. Remove control/display electrical power and core	*							-	-
A5.3.8. Processing Electrical Power	*							-	-
A5.3.9. Remove/Install components									
A5.3.9.1. External power receptacle								-	-
A5.3.9.2. Current transformer								-	-
A5.4. LIGHTING SYSTEM TR: T.O. 1C-5M-2-7-2									
A5.4.1. Operational fundamentals								-	-
A5.4.2. Perform Operational System Check									
A5.4.2.1. Interior	*							-	-
A5.4.2.2. Exterior	*							-	-
A5.4.2.3. Emergency								-	-
A5.4.3. Troubleshoot system									
A5.4.3.1. Interior		*						-	-

C-5 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A5.4.3.2. Exterior		*						-	-
A5.4.3.3. Emergency		*						-	-
A5.4.4. Inspect System Components									
A5.4.4.1. Interior		*						-	-
A5.4.4.2. Exterior		*						-	-
A5.4.4.3. Emergency		*						-	-
A5.4.5. Remove/Install Components									
A5.4.5.1. Strobe light								-	-
A5.4.5.2. Navigation/formation								-	-
A5.4.5.3. Anti-collision								-	-
A5.4.5.4. Retractable landing light								-	-
A5.4.5.5. Taxi light								-	-
A5.4.5.6. Map/chart holder								-	-
A5.4.5.7. Emergency exit light								-	-
A5.4.5.8. Controllers								-	-
A5.4.5.9. Dimmer Transformers								-	-
A5.4.5.10. Leading edge light								-	-
A5.4.5.11. Advisory lights								-	-
A5.4.5.12. Flood lights								-	-
A5.4.5.13. Power supply								-	-
A5.4.5.14. Light cards								-	-
A5.4.5.15. Relays								-	-
A5.4.5.16. IFR/Slipway light								-	-
A5.4.6. Repair Components									
A5.4.6.1. Strobe light								-	-
A5.4.6.2. Navigation/formation								-	-
A5.4.6.3. Anti-collision								-	-
A5.4.6.4. Retractable landing light								-	-
A5.4.6.5. Taxi light								-	-
A5.4.6.6. Map/chart holder								-	-
A5.4.6.7. Emergency exit light								-	-
A5.4.6.8. Leading edge light								-	-
A5.4.6.9. Advisory lights								-	-
A5.4.6.10. Power supply								-	-
A5.4.7. Bench check									
A5.4.7.1. Strobe light								-	-
A5.4.7.2. Navigation/formation								-	-

C-5 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A5.4.7.3. Anti-collision (Strobe) light								-	-
A5.4.7.4. 125 Retractable landing light								-	-
A5.4.7.5. Taxi light								-	-
A5.4.7.6. Map/chart holder								-	-
A5.4.7.7. Emergency exit light								-	-
A5.4.7.8. Leading edge light								-	-
A5.4.7.9. Advisory lights								-	-
A5.4.7.10. Power supply								-	-
A5.5. LANDING GEAR/KNEELING SYSTEM TR: T.O. 1C-5M-2-10 Series									
A5.5.1. Perform Operational System Check	*							-	-
A5.5.2. Troubleshoot System		*						-	-
A5.5.3. Inspect System Components		*						-	-
A5.5.4. Remove/Install components									
A5.5.4.1. Control handle								-	-
A5.5.4.2. Sequence panel								-	-
A5.5.4.3. Sensors								-	-
A5.5.4.4. Switches								-	-
A5.5.4.5. Junction boxes								-	-
A5.5.4.6. Switch cards	*							-	-
A5.5.4.7. Relays	*							-	-
A5.5.4.8. Diodes								-	-
A5.5.5. Repair components									
A5.5.5.1. Control handle								-	-
A5.5.5.2. Control panels								-	-
A5.5.6. Bench check									
A5.5.6.1. Control handle								-	-
A5.5.6.2. Control panels								-	-
A5.6. ANTI-SKID SYSTEM TR: T.O. 1C-5M-2-10									
A5.6.1. Operational fundamentals								-	-
A5.6.2. Perform Operational System Check	*							-	-
A5.6.3. Troubleshoot System		*						-	-
A5.6.4. Inspect System Components		*						-	-
A5.6.5. Remove/Install components									
A5.6.5.1. Anti-skid Transducer	*							-	-
A5.6.5.2. Anti-skid Control box	*							-	-

C-5 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A5.6.5.3. Control panel								-	-
A5.6.6. Repair components									
A5.6.6.1. Anti-skid control box								-	-
A5.6.6.2. Control panel								-	-
A5.6.7. Bench check									
A5.6.7.1. Anti-skid control box								-	-
A5.6.7.2. Control panel								-	-
A5.7. NOSE GEAR STEERING/KNEELING SYSTEM TR: T.O. 1C-5M-2-10 Series									
A5.7.1. Perform Operational System Check	*							-	-
A5.7.2. Troubleshoot System								-	-
A5.7.3. Inspect System Components								-	-
A5.7.4. Remove/Install components									
A5.7.4.1. Indicator								-	-
A5.7.4.2. Sensors/swit ches								-	-
A5.8. PRIMARY FLIGHT CONTROL SYSTEM TR: T.O. 1C-5M-2-9-1 Series									
A5.8.1. Operational fundamentals								-	-
A5.8.2. Perform Operational System Check									
A5.8.2.1. Primary flight control								-	-
A5.8.2.2. Trim and indication								-	-
A5.8.3. Troubleshoot System									
A5.8.3.1. Primary flight control								-	-
A5.8.3.2. Trim and indication								-	-
A5.8.4. Inspect System Components								-	-
A5.9. SECONDARY FLIGHT CONTROL SYSTEM TR: T.O. 1C-5M-2-9-2 Series									
A5.9.1. Operational fundamentals								-	-
A5.9.2. Perform Operational System Check									
A5.9.2.1. Secondary flight control	*							-	-
A5.9.2.2. Trim and indication	*							-	-
A5.9.3. Troubleshoot System									
A5.9.3.1. Secondary flight control		*						-	-
A5.9.3.2. Trim and indication		*						-	-
A5.9.4. Inspect System Components		*						-	-
A5.9.5. Remove/Install components TR: TO 1C-5M-2-9-2 Series									

C-5 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A5.9.5.1. Flap/slate detector								-	-
A5.9.5.2. Asymmetry/Proximity control box								-	-
A5.9.5.3. Diodes								-	-
A5.9.5.4. Relays								-	-
A5.9.5.5. Proximity sensors								-	-
A5.9.5.6. Slat Proximity Control Unit								-	
A5.9..6. Bench Check/Repair Asymmetry/Proximity Control Box								-	-
A5.9.7. Null flaps and slat brake detector		*						-	-
A5.10. OVERHEAT/FIRE WARNING SYSTEM TR: T.O. 1C-5M-2-7-2 Series									
A5.10.1. Operational fundamentals								-	-
A5.10.2. Perform Operational System Check	*							-	-
A5.10.3. Troubleshoot System		*						-	-
A5.10.4. Inspect System Components		*						-	-
A5.10.5. Remove/Install components									
A5.10.5.1. Smoke detector								-	-
A5.10.5.2. Smoke Detection Control Panel	*							-	-
A5.10.5.3. Smoke Detector Relay & Diode Panel Assembly								-	-
A5.10.5.4. Flame detector								-	-
A5.10.5.5. Sensors/sensing elements	*							-	-
A5.10.6. Repair components									
A5.10.6.1. Smoke detector								-	-
A5.10.7. Bench check									
A5.10.7.1. Smoke detector								-	-
A5.11. FIRE EXTINGUISHING SYSTEM TR: T.O. 1C-5M-2-13-2 Series									
A5.11.1. Operational fundamentals								-	-
A5.11.2. Perform Operational System Check									
A5.11.2.1. Engine fire extinguishing system	*							-	-
A5.11.2.2. APU fire extinguishing system	*							-	-
A5.11.3. Troubleshoot system		*						-	-
A5.11.4. Inspect system Components		*						-	-
A5.11.5. Remove/Install components									
A5.11.5.1. Fire bottles	*							-	-
A5.11.5.2. Plumbing								-	-
A5.11.5.3. Squib	*							-	-
A5.11.5.4. Panels								-	-

C-5 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A5.11.5.5. Engine/APU Fire Detection Control Unit (FDCU)	*							-	-
A5.11.5.6. Fire detector assemblies and responder								-	-
A5.11.5.7. Control panels								-	-
A5.11.6. Perform ignition check of squibs								-	-
A5.11.7. Bench check panels								-	-
A5.11.8. Repair panels								-	-
A5.12. FIRE SUPPRESSION/FUEL INERTING AND PRESSURIZATION (FSS) TR: T.O. 1C-5M-2-5 Series T.O. 1C-5M-2-13-2 Series									
A5.12.1. Operational fundamentals								-	-
A5.12.2. Perform Operational System Check	*							-	-
A5.12.3. Troubleshoot system		*						-	-
A5.12.4. Inspect System Components		*						-	-
A5.12.5. Calibrate Liquid Level Signal Conditioner	*							-	-
A5.12.6. Remove/Install components									
A5.12.6.1. CPU	*							-	-
A5.12.6.2. CTSloops								-	-
A5.12.6.3. Dewar assembly								-	-
A5.12.6.4. Plumbing								-	-
A5.12.6.5. Main FSS panel								-	-
A5.12.6.6. Cargo FSS panel								-	-
A5.12.6.7. Nose FSS panel								-	-
A5.12.6.8. FSS LN2 service panel								-	-
A5.12.6.9. FSS LN2 valves and regulators	*							-	-
A5.12.6.10. Signal Conditioner								-	-
A5.12.7. Repair components									
A5.12.7.1. CPU								-	-
A5.12.7.2. Dewar assembly								-	-
A5.12.7.3. Main FSS panel								-	-
A5.12.7.4. Cargo FSS panel								-	-
A5.12.7.5. Nose FSS panel								-	-
A5.12.7.6. FSS LN2 service panel								-	-
A5.12.7.7. FSS LN2 valves and regulators								-	-
A5.12.7.8. Signal Conditioner								-	-
A5.12.8. Bench check									
A5.12.8.1. CPU								-	-
A5.12.8.2. Dewar assembly								-	-

C-5 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A5.12.8.3. Main FSS panel								-	-
A5.12.8.4. Cargo FSS panel								-	-
A5.12.8.5. Nose FSS panel								-	-
A5.12.8.6. FSS LN2 service panel								-	-
A5.12.8.7. FSS LN2 valves and regulators								-	-
A5.12.8.8. Signal Conditioner								-	-
A5.12.9. Activate/deactivate FSS	*							-	-
A5.12.10. Purge Dewar								-	-
A5.13. MASTER CAUTION/WARNING SYSTEM TR: T.O. 1C-5M-2-7-2 Series									
A5.13.1. Operational fundamentals								-	-
A5.13.2. Perform Operational System Check	*							-	-
A5.13.3. Troubleshoot system		*						-	-
A5.13.4. Inspect system Components		*						-	-
A5.13.5. Remove/Install components									
A5.13.5.1. Annunciator assembly								-	-
A5.13.5.2. Control box								-	-
A5.13.5.3. Light cards								-	-
A5.13.6. Repair components									
A5.13.6.1. Annunciator assembly								-	-
A5.13.6.2. Control box								-	-
A5.13.7. Bench check									
A5.13.7.1. Annunciator assembly								-	-
A5.13.7.2. Control box								-	-
A5.14. DOOR CONTROL & WARNING SYSTEM TR: T.O. 1C-5M-2-12 Series									
A5.14.1. Operational fundamentals								-	-
A5.14.2. Perform Operational System Check	*							-	-
A5.14.3. Troubleshoot		*						-	-
A5.14.4. Inspect system Components		*						-	-
A5.14.5. Remove/Install components									
A5.14.5.1. Sensors								-	-
A5.14.5.2. Switches								-	-
A5.14.5.3. Control panels								-	-
A5.14.6. Bench check control panels								-	-
A5.14.7. Repair control panels								-	-

C-5 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Trng Start	Trng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A5.15. FUEL WARNING AND CONTROL SYSTEM TR: T.O. 1C-5M-2-5 Series									
A5.15.1. Operational fundamentals								-	-
A5.15.2. Perform Operational System Check	*							-	-
A5.15.3. Troubleshoot		*						-	-
A5.15.4. Inspect System Components		*						-	-
A5.16. INFLIGHT REFUELING SYSTEM TR: T.O. 1C-5M-2-5 Series									
A5.16.1. Operational fundamentals								-	-
A5.16.2. Perform Operational System Check								-	-
A5.16.3. Troubleshoot								-	-
A5.16.4. Inspect System Components								-	-
A5.17. NESA ANTI-ICING SYSTEM TR: T.O. 1C-5M-2-2-1 Series									
A5.17.1. Operational fundamentals								-	-
A5.17.2. Perform Operational System Check	*							-	-
A5.17.3. Troubleshoot		*						-	-
A5.17.4. Inspect System Components		*						-	-
A5.17.5. Remove/Install components									
A5.17.5.1. Windshield Heat control box								-	-
A5.17.5.2. Transformers								-	-
A5.17.6. Bench check windshield heat control box								-	-
A5.17.7. Repair windshield heat control box								-	-
A5.18. BLEED AIR DISTRIBUTION SYSTEM TR: T.O. 1C-5M-2-13 Series									
A5.18.1. Operational fundamentals								-	-
A5.18.2. Perform Operational System Check	*							-	-
A5.18.3. Troubleshoot		*						-	-
A5.18.4. Inspect system Components		*						-	-
A5.18.5. Remove/Install components									
A5.18.5.1. Valves								-	-
A5.18.5.2. Sensors								-	-
A5.18.5.3. Ducts								-	-
A5.18.5.4. Switches								-	-
A5.18.5.5. Pre-cooler								-	-
A5.18.5.6. Perform leakage test using high pressure air source								-	-
A5.18.5.7. Perform leakage test using APUs	*							-	-
A5.18.5.8. Repair Compensator Ducts								-	-

C-5 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A5.19. BLEED AIR OVERHEAT SYSTEM TR: T.O. 1C-5M-2-13-1 Series									
A5.19.1. Operational fundamentals								-	-
A5.19.2. Perform Operational System Check	*							-	-
A5.19.3. Troubleshoot		*						-	-
A5.19.4. Inspect system Components		*						-	-
A5.19.5. Remove/Install components									
A5.19.5.1. Sensing elements	*							-	-
A5.19.5.2. Bleed Air Overhead Warning (BAOWS) control box	*							-	-
A5.19.6. Bench check control box								-	-
A5.19.7. Repair control box								-	-
A5.20. AIR CONDITIONING SYSTEM TR: T.O. 1C-5M-2-13-1 Series									
A5.20.1. Operational fundamentals								-	-
A5.20.2. Perform Operational System Check	*							-	-
A5.20.3. Troubleshoot		*						-	-
A5.20.4. Inspect system Components		*						-	-
A5.20.5. Remove/Install components									
A5.20.5.1. Valves	*							-	-
A5.20.5.2. Sensors	*							-	-
A5.20.5.3. Switches								-	-
A5.20.5.4. Air Cycle Machine (ACM)								-	-
A5.20.5.5. Ducts	*							-	-
A5.20.5.6. Low-limit control valve	*							-	-
A5.20.5.7. Water separator								-	-
A5.20.5.8. Heat exchanger								-	-
A5.20.5.9. Fan and sensor								-	-
A5.20.5.10. Air Management System Controller (AMSC)	*							-	-
A5.20.5.11. Mixing chamber								-	-
A5.20.5.12. Air Exit Valve Assembly								-	-
A5.20.6. Perform Leakage test using high pressure air source								-	-
A5.20.7. Perform Leakage test using APUs								-	-
A5.20.8. Repair components									
A5.20.8.1. Valves								-	-
A5.20.8.2. Water separator								-	-
A5.20.8.3.. Fan and sensor								-	-
A5.20.8.4. Vane Axial Fan assembly								-	-

C-5 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A5.20.8.5. Air Exit Valve Assembly								-	-
A5.20.9. Bench check									
A5.20.9.1. Valves								-	-
A5.20.9.2. Heat exchanger								-	-
A5.20.9.3. Fan and sensor								-	-
A5.20.9.4. Vane axial Fan assembly								-	-
A5.20.9.5. Air Exit Valve Assembly								-	-
A5.21. PRESSURIZATION SYSTEM TR: T.O. 1C-5M-2-13-1 Series									
A5.21.1. Operational fundamentals								-	-
A5.21.2. Perform Operational System Check	*							-	-
A5.21.3. Troubleshoot		*						-	-
A5.21.4. Inspect system Components		*						-	-
A5.21.5. Remove/Install components									
A5.21.5.1. Thrust recovery actuator								-	-
A5.21.5.2. Cabin Pressure Controller (CPC)	*							-	-
A5.21.5.3. Outflow valve								-	-
A5.21.5.4. Indicators								-	-
A5.21.5.5. Switches								-	-
A5.21.5.6. Panels								-	-
A5.21.5.7. Safety relief valve								-	-
A5.21.5.8. Potentiometer								-	-
A5.21.6. Repair components									
A5.21.6.1. Panels								-	-
A5.21.6.2. Safety Valves								-	-
A5.21.7. Bench check									
A5.21.7.1. Panels								-	-
A5.21.7.2. Safety Valves								-	-
A5.21.8. Perform Built-In Test (BITE) of Automatic Pressurization System								-	-
A5.21.9. Rig Outflow valve actuator	*							-	-
A5.22. OXYGEN SYSTEM TR: T.O. 1C-5M-2-13-2 T.O. 15X-1-1									
A5.22.1. Operational fundamentals								-	-
A5.22.2. Perform Operational System Check									
A5.22.2.1. Crew	*							-	-
A5.22.2.2. Troop and passenger								-	-

C-5 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Trng Start	Trng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A5.22.2.3. Lox indicating								-	-
A5.22.3. Troubleshoot		*						-	-
A5.22.4. Inspect system Components		*						-	-
A5.22.5. Remove/Install components TR: T.O. 1C-5M-2-13-2 Series									
A5.22.5.1. Buildup/vent valve	*							-	-
A5.22.5.2. Drain valve								-	-
A5.22.5.3. Pressure Demand Regulators	*							-	-
A5.22.5.4. Control flow regulators								-	-
A5.22.5.5. Drop down masks								-	-
A5.22.5.6. Heat exchanger								-	-
A5.22.5.7. Recharge hose								-	-
A5.22.5.8. Converters	*							-	-
A5.22.5.9. Indicators								-	-
A5.22.5.10. Plumbing								-	-
A5.22.5.11. Walk around bottle								-	-
A5.22.5.12. Regulator Hose assembly	*							-	-
A5.22.6. Perform leakage check	*							-	-
A5.22.7. Purge system	*							-	-
A5.22.8. Service system	*							-	-
A5.22.9. Drain system	*							-	-
A5.22.10. Bench check walk around bottle								-	-
A5.22.11. Repair walk around bottle								-	-
A5.22.12. Connect/Disconnect Cryogenic vent plugs/tubes, and equipment to vent ports								-	-
A5.23. WINDSHIELD WIPER SYSTEM TR: T.O. 1C-5M-2-2-1									
A5.23.1. Operational fundamentals								-	-
A5.23.2. Perform Operational System Check								-	-
A5.23.3. Troubleshoot								-	-
A5.23.4. Inspect system Components								-	-
A5.23.5. Repair windshield wiper motor								-	-
A5.23.6. Bench Check windshield motor								-	-
A5.24. GALLEY/BUFFET TR: T.O. 1C-5M-2-7-2									
A5.24.1. Operational fundamentals								-	-
A5.24.2. Perform Operational System Check								-	-

C-5 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Trng Start	Trng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A5.24.3. Troubleshoot								-	-
A5.24.4. Inspect system Components								-	-
A5.24.5. Repair components									
A5.24.5.1. Oven								-	-
A5.24.5.2. Refrigerator								-	-
A5.24.5.3. Coffee brewer								-	-
A5.24.6. Bench check components									
A5.24.6.1. Oven								-	-
A5.24.6.2. Refrigerator								-	-
A5.24.6.3. Coffee brewer								-	-
A5.25. HYDRAULIC CONTROL/INDICATION WARNING CIRCUITS TR: T.O. 1C-5M-2-3 Series									
A5.25.1. Operational fundamentals								-	-
A5.25.2. Perform Operational System Check								-	-
A5.25.3. Troubleshoot								-	-
A5.25.4. Inspect system Components								-	-
A5.26. AIR TURBINE MOTOR (ATM) TR: T.O. 1C-5M-2-13-1 Series									
A5.26.1. Operational fundamentals								-	-
A5.26.2. Perform Operational System Check	*							-	-
A5.26.3. Troubleshoot		*						-	-
A5.26.4. Inspect System Components								-	-
A5.26.5. Remove/Install components									
A5.26.5.1. ATM assembly	*							-	-
A5.26.5.2. ATM Logic Speed Control Unit (LSCU)	*							-	-
A5.26.5.3. ATM Low Oil Pressure Switch								-	-
A5.26.6. Service ATM with oil								-	-
A5.27. AIRCREW EYE RESPIRATORY PROTECTION SYSTEM (AERP) TR: T.O. 1C-5M-2-13-2									
A5.27.1. Operational fundamentals								-	-
A5.27.2. Perform Operational System Check								-	-
A5.27.3. Troubleshoot								-	-
A5.27.4. Inspect System Components								-	-

C-5 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Trng Start	Trng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A5.28. COMMON MAINTENANCE PRACTICES TR: T.O. 1C-5M-2-1-1 T.O. 00-25-172 T.O. 1C-5M-2-8 Series T.O. 1C-5M-2-4 T.O. 1C-5M-2-4CL-1									
A5.28.1. Perform duties of Concurrent Servicing Supervisor (CSS) for fuel service operations								-	-
A5.28.2. Perform duties of Concurrent Servicing Supervisor (CSS) for liquid oxygen (LOX) servicing operations								-	-
A5.28.3. Operate FMS/GPS-800 control head for communication (UHF/VHF)								-	-
A5.28.4. Operate Auxiliary Power Unit (APU) and Air Turbine Motor (ATM)								-	-
A5.28.5. Service Auxiliary Power Unit (APU) with oil								-	-
A5.28.6. Bench check linear and rotary actuators								-	-
A5.28.7. Repair linear/rotary actuators								-	-
A5.28.8. Inspect Rapid Air Turbine (RAT)								-	-
A5.28.9. Troubleshoot RAT								-	-
A5.28.10. Inspect explosion proof lights								-	-
A5.28.11. Repair explosion proof lights								-	-
A5.28.12. Remove/Install Armor								-	-
A5.28.13. Open/Close Engine Cowl Doors (Fan/TR/Core)								-	-
A5.28.14. Inspect Cowl Doors								-	-
A5.29. EMBEDDED DIAGNOSTIC SYSTEM TR: T.O. 1C-5M-2-6									
A5.29.1. Operational Fundamentals									
A5.29.1.1. Personal Computer Interface Unit (PCIU)								-	-
A5.29.1.2. Auxiliary Maintenance Computer (AMC)								-	-
A5.29.1.3. Remote Interface Unit (RIU-200)								-	-
A5.29.1.4. Bus Adapter Unit (BAU)								-	-
A5.29.2. Perform Operational Check									
A5.29.2.1. Personal Computer Interface Unit (PCIU)								-	-
A5.29.2.2. Auxiliary Maintenance Computer (AMC)								-	-
A5.29.2.3. Remote Interface Unit (RIU-200)								-	-
A5.29.2.4. Bus Adapter Unit (BAU)								-	-
A5.29.3. Troubleshoot System									
A5.29.3.1. Personal Computer Interface Unit (PCIU)								-	-
A5.29.3.2. Auxiliary Maintenance Computer (AMC)								-	-
A5.29.3.3. Remote Interface Unit (RIU-200)								-	-
A5.29.3.4. Bus Adapter Unit (BAU)								-	-

C-5 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Trng Start	Trng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A5.29.4. Remove/Install components									
A5.29.4.1. Personal Computer Interface Unit (PCIU)								-	-
A5.29.4.2. Auxiliary Maintenance Computer (AMC)								-	-
A5.29.4.3. Remote Interface Unit (RIU-200)								-	-
A5.29.4.4. Bus Adapter Unit (BAU)								-	-
A5.29.4.5. Auxiliary Maintenance Computer (AMC) battery								-	-
A5.29.5. Full Authority Digital Electronic Control (FADEC)									
A5.29.5.1. Operational Fundamentals								-	-
A5.29.5.2. Perform Operational Check								-	-
A5.29.5.3. Troubleshoot								-	-
A5.29.5.4. Remove/Install FADEC								-	-
A5.30. ANTI-ICE SYSTEM TR: T.O. 1C-5M-2-4									
A5.30.1. Operational Fundamentals								-	-
A5.30.2. Perform Operational System checkout								-	-
A5.30.3. Troubleshoot								-	-
A5.30.4. Inspect System Components								-	-
A5.30.5. Remove/Install components									
A5.30.5.1. Anti-Ice valve								-	-
A5.30.5.2. Ice Detector								-	-
A5.31. AVIONICS EQUIPMENT COOLING TR: T.O. 1C-5M-2-13-1									
A5.31.1. Operational Fundamentals								-	-
A5.31.2. Perform Operational Check	*							-	-
A5.31.3. Troubleshoot		*						-	-
A5.31.4. Inspect System Components		*						-	-
A5.31.5. Remove/Install components									
A5.31.5.1. Fans								-	-
A5.31.5.2. Valves								-	-
A5.31.5.3. Sensors								-	-

C-17 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Trng Start	Trng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
ATTACHMENT 6 NOTE 1: In addition to attachment 2, the tasks and knowledge in attachment 6 will be performed by personnel assigned to maintain C-17 aircraft. NOTE 2: Users are responsible for annotating training references to identify current references pending ST Srevision. NOTE 3: Address comments and recommended changes through Unit Training Managers to the MAJCOM Maintenance Training Manager @ HQ AMC/A4MMT, 402 Scott Drive Unit 2A2, Scott AFB, IL 62225-5308; or call DSN 779-4787. MAJCOM Training and Functional Managers forward inputs to the AETC Training Manager, DSN 736-6297.									
A6.1. AC POWER SYSTEM TR: T.O 1C-17A-2-24GS-00-1									
A6.1.1. Operational fundamentals								-	-
A6.1.2. Perform operational check TR: T.O. 1C-17A-2-24JG-20-1 series T.O. 1C-17A-2-24JG-20-2 series									
A6.1.2.1. Generating and control systemseries	*							-	-
A6.1.2.2. Interrogation of Bus Power Control Unit (BPCU)EPCU	*							-	-
A6.1.2.3. APU generation and control system	*							-	-
A6.1.2.4. Tie controls system								-	-
A6.1.3. Troubleshoot AC power system		*						-	-
A6.1.4. Inspect system components		*						-	-
A6.1.5. Remove/Install components TR: T.O. 1C-17A-2-24JG-20-1 series T.O. 1C-17A-2-24JG-20-2 series T.O. 1C-17A-2-24JG-30-1 series									
A6.1.5.1. Current transformer								-	-
A6.1.5.2. Remote power controller								-	-
A6.1.5.3. Remote control circuitbreaker								-	-
A6.1.5.4. Electrical light transmitting indicating panel								-	-
A6.1.5.5. Electrical system control panel	*							-	-
A6.1.5.6. Generator control unit	*							-	-
A6.1.5.7. APU/EPCU/BPCU	*							-	-
A6.1.5.8. Frequency converter								-	-
A6.2. DC POWER SYSTEM TR: T.O. 1C-17A-2-24GS-00-1									
A6.2.1. Operational fundamentals								-	-
A6.2.2. Perform operational check TR: T.O. 1C-17A-2-24FI-00-1 T.O. 1C-17A-2-24JG-30-1 series T.O. 1C-17A-2-24JG-50-1 series T.O. 1C-17A-2-24JG-60-1 series T.O. 1C-17A-2-24JG-70-1 series									
A6.2.2.1. Power and control system(DC)	*							-	-

C-17 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A6.2.2.2. Battery system	*							-	-
A6.2.2.3. Instrument power system								-	-
A6.2.2.4. Electrical outlet system								-	-
A6.2.2.5. Emergency power system	*							-	-
A6.2.2.6. Electrical protection system								-	-
A6.2.3. Troubleshoot DC power system		*						-	-
A6.2.4. Inspect system components		*						-	-
A6.2.5. Remove/Install components TR: T.O. 1C-17A-2-24JG-30-1 series T.O. 1C-17A-2-24JG-50-1 T.O. 1C-17A-2-24JG-60-1 series T.O. 1C-17A-2-24JG-70-1 series									
A6.2.5.1. Transformer rectifier								-	-
A6.2.5.2. Main battery	*							-	-
A6.2.5.3. Battery charger	*							-	-
A6.2.5.4. Electrical outlet panel assembly								-	-
A6.2.5.5. Electrical outlet power receptacle								-	-
A6.2.5.6. Static inverter								-	-
A6.2.5.7. Electrical grounding receptacle connectors								-	-
A6.3. EXTERNAL POWER SYSTEM TR: T.O. 1C-17A-2-24GS-00-1									
A6.3.1. Operational fundamentals								-	-
A6.3.2. Perform operational check	*							-	-
A6.3.3. Troubleshoot system		*						-	-
A6.3.4. Inspect system components		*						-	-
A6.3.5. Remove/Install components TR: Applicable T.O.									
A6.3.5.1. APU start and control panel								-	-
A6.3.5.2. Other system components								-	-
A6.3.6. Repair components								-	-
A6.4. LIGHTING SYSTEM TR: T.O. 1C-17A-2-33GS-00-1									
A6.4.1. Operational fundamentals								-	-

C-17 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Trng Start	Trng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A6.4.2. Perform operational check TR: T.O. 1C-17A-2-33FI-00-1 T.O. 1C-17A-2-33JG-10-1 series T.O. 1C-17A-2-33JG-10-1 series T.O. 1C-17A-2-33JG-40-1 series									
A6.4.2.1. Interior	*							-	-
A6.4.2.2. Exterior	*							-	-
A6.4.2.3. Emergency	*							-	-
A6.4.3. Troubleshoot lighting system		*						-	-
A6.4.4. Inspect system components		*						-	-
A6.4.5. Remove/Install components TR: T.O. 1C-17A-2-33JG-10-1 series T.O. 1C-17A-2-33JG-20-1 series T.O. 1C-17A-2-33JG-20-3 series T.O. 1C-17A-2-33JG-30-3 series T.O. 1C-17A-2-33JG-30-4 series T.O. 1C-17A-2-33JG-30-5 series T.O. 1C-17A-2-33JG-40-2 series T.O. 1C-17A-2-33JG-40-4 series T.O. 1C-17A-2-33JG-50-2 series T.O. 1C-17A-2-33JG-60-1 series									
A6.4.5.1. Instrument and panel transmitting indicating panels								-	-
A6.4.5.2. Annunciator dimming unit	*							-	-
A6.4.5.3. Rheostats								-	-
A6.4.5.4. Pilot light transmitting panel								-	-
A6.4.5.5. Copilot light transmitting panel								-	-
A6.4.5.6. Pedestal light transmitting panel								-	-
A6.4.5.7. Stairway light transmitting indicating panel								-	-
A6.4.5.8. Personnel warning light transmitting indicating panel								-	-
A6.4.5.9. Aeromedical light transmitting indicating panel								-	-
A6.4.5.10. External power panel light assembly								-	-
A6.4.5.11. Loadmaster instrument and control panel system								-	-
A6.4.5.12. Loadmaster instrument and control panel annunciator								-	-
A6.4.5.13. Panel digits								-	-
A6.4.5.14. Anti-collision light power supply								-	-
A6.4.5.15. Recognition light power supply	*							-	-
A6.4.5.16. UARRSI perimeter illuminating panel								-	-
A6.4.5.17. Emergency battery	*							-	-
A6.4.5.18. UARRSI lamp								-	-
A6.4.5.19. Exterior light assemblies								-	-

C-17 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Trng Start	Trng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A6.4.5.20. Landing light assemblies								-	-
A6.4.5.21. IR light assemblies								-	-
A6.4.5.22. Taxi light assemblies								-	-
A6.4.5.23. Formation light assemblies								-	-
A6.4.5.24. Interior light assemblies								-	-
A6.4.6. Repair components									
A6.4.6.1. Interior lighting components								-	-
A6.4.6.2. Exterior lighting components								-	-
A6.4.7. Bench check components									
A6.4.7.1. Interior lighting components								-	-
A6.4.7.2. Exterior lighting components								-	-
A6.5. LANDING GEAR SYSTEM TR: T.O. 1C-17A-2-32GS-00-1									
A6.5.1. Operational fundamentals								-	-
A6.5.2. Perform operational check TR: T.O. 1C-17A-2-32JG-00-1 series T.O. 1C-17A-2-32JG-60-1 series									
A6.5.2.1. MLG normal system								-	-
A6.5.2.2. NLG normal system								-	-
A6.5.2.3. Gear handle electrical interlock system								-	-
A6.5.3. Troubleshoot landing gear system using FI manual		*						-	-
A6.5.4. Inspect system components		*						-	-
A6.5.5. Remove/Install components TR: T.O. 1C-17A-2-32JG-10-7 series T.O. 1C-17A-2-32JG-30-1 series T.O. 1C-17A-2-32JG-60-1 series									
A6.5.5.1. Weight-on-wheels (WOW) proximity sensor								-	-
A6.5.5.2. LG control/indication panel	*							-	-
A6.5.5.3. Main landing gear down-lock proximity sensor								-	-
A6.5.5.4. Main landing gear up-lock proximity sensor								-	-
A6.5.5.5. Nose landing gear down proximity sensor								-	-
A6.5.5.6. Nose landing lock proximity sensor								-	-
A6.5.6. Repair components								-	-
A6.5.7. Bench check components								-	-

C-17 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Trng Start	Trng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A6.6. ANTI-SKID SYSTEM TR: T.O. 1C-17A-2-32 Series T.O. 1C-17A-2-32GS-00-1									
A6.6.1. Operational fundamentals								-	-
A6.6.2. Perform operational check TR: T.O. 1C-17A-2-32FI-00-1 series T.O. 1C-17A-2-32JG-40-1 series T.O. 1C-17A-2-32JG-40-4 series									
A6.6.2.1. Anti-skid system	*							-	-
A6.6.2.2. Brake pressure indicator								-	-
A6.6.3. Troubleshoot anti-skid system using FI manual		*						-	-
A6.6.4. Inspect system components		*						-	-
A6.6.5. Remove/Install components TR: T.O. 1C-17A-2-32JG-40-4 series T.O. 1C-17A-2-32JG-40-5 series T.O. 1C-17A-2-32JG-40-6 series									
A6.6.5.1. Wheel speed transducer adapter assembly								-	-
A6.6.5.2. Parking brake proximity sensor								-	-
A6.6.5.3. Anti-skid/brake temp monitor control unit	*							-	-
A6.6.5.4. Wheel speed transducer	*							-	-
A6.6.5.5. Brake temp sensor	*							-	-
A6.6.5.6. Brake temp data acquisition unit (TDAU)	*							-	-
A6.6.5.7. Brake sys pressure gage								-	-
A6.6.5.8. Brake pressure indicator								-	-
A6.6.6. Repair components								-	-
A6.6.7. Bench check components								-	-
A6.7. FIRE WARNING SYSTEM TR: T.O. 1C-17A-2-26 series T.O. 1C-17A-2-26GS-00-1									
A6.7.1. Operational fundamentals								-	-
A6.7.2. Perform operational check TR: T.O. 1C-17A-2-26FI-00-1 T.O. 1C-17A-2-26JG-10-1 series T.O. 1C-17A-2-26JG-10-2 series T.O. 1C-17A-2-26JG-10-3 series T.O. 1C-17A-2-26JG-20-1 series T.O. 1C-17A-2-26JG-20-2 series									
A6.7.2.1. Engine fire system	*							-	-
A6.7.2.2. Firing capability test of APU fire control panel								-	-

C-17 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Trng Start	Trng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A6.7.2.3. Continuity test of APU fire control panel								-	-
A6.7.2.4. Agent lowpress indicating test of APU fire control panel								-	-
A6.7.2.5. Horn silencing test of APU fire control panel								-	-
A6.7.2.6. Under-floor APU fire warning hom								-	-
A6.7.2.7. Smoke detection system	*							-	-
A6.7.2.8. Engine firing capability test								-	-
A6.7.2.9. Engine fire continuity test								-	-
A6.7.2.10. Engine fire agent lowpressure indicating test								-	-
A6.7.2.11. Firing capability test for APU panels								-	-
A6.7.2.12. Continuity test for APU panels								-	-
A6.7.2.13. Agent lowpressure indicatingTest for APU Panel								-	-
A6.7.2.14. APU fire control panel firing capability test								-	-
A6.7.3. Troubleshoot Fire protection system		*						-	-
A6.7.4. Inspect system components		*						-	-
A6.7.5. Remove/Install components TR: T.O. 1C-17A-2-26JG-10-1 series T.O. 1C-17A-2-26JG-10-2 series T.O. 1C-17A-2-26JG-10-3 series T.O. 1C-17A-2-26JG-20-1 series T.O. 1C-17A-2-26JG-20-2 series									
A6.7.5.1. Engine fire detector controller								-	-
A6.7.5.2. Accessory compartment fire detectionassembly	*							-	-
A6.7.5.3. Engine accessory compartment fire detector sensor								-	-
A6.7.5.4. Core compartment fire detectionassembly	*							-	-
A6.7.5.5. Engine core compartment fire detector sensor								-	-
A6.7.5.6. Fire control handle								-	-
A6.7.5.7. Fire handle incandescent lamp								-	-
A6.7.5.8. APU fire control panel								-	-
A6.7.5.9. Under-floor APU electric fire warning horn								-	-
A6.7.5.10. APU fire detector controller								-	-
A6.7.5.11. APU fire detection assembly								-	-
A6.7.5.12. Fire detector sensor on APU								-	-
A6.7.5.13. Cargo floor smoke detector indicator panel	*							-	-
A6.7.5.14. Smoke detector	*							-	-
A6.7.5.15. Cargo compartment curb smoke detectors (opaque particule)								-	-

C-17 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A6.7.5.16. Engine fire extinguisher cartridge	*							-	-
A6.7.5.17. Engine fire extinguisher container								-	-
A6.7.5.18. Engine fire extinguisher discharge head								-	-
A6.7.5.19. Engine fire fuel shut off gate valve								-	-
A6.7.5.20. Engine fire fuel shut off gate valve actuator								-	-
A6.7.5.21. Engine hydraulic shut off ball valve								-	-
A6.7.5.22. APU fire extinguisher cartridge	*							-	-
A6.7.5.23. APU fire extinguisher container								-	-
A6.7.6. Repair components								-	-
A6.8. ICE AND RAIN PROTECTION SYSTEM TR: T.O. 1C-17A-2-30GS-00-1 T.O. 1C-17A-2-30 Series									
A6.8.1. Operational fundamentals								-	-
A6.8.2. Perform operational check TR: T.O. 1C-17A-2-30FI-00-1 T.O. 1C-17A-2-30JG-00-1 series									
A6.8.2.1. Airfoil and air intakes								-	-
A6.8.2.2. Windows and windshield	*							-	-
A6.8.2.3. Engine cowl ice protection								-	-
A6.8.2.4. Anti-ice duct integrity								-	-
A6.8.3. Troubleshoot ice & rain protection sys using FI manual		*						-	-
A6.8.4. Inspect system components		*						-	-
A6.8.5. Remove/Install components TR: T.O. 1C-17A-2-30JG-10-1 T.O. 1C-17A-2-30JG-10-2 T.O. 1C-17A-2-30JG-10-3 T.O. 1C-17A-2-30JG-10-4 T.O. 1C-17A-2-30JG-20-1 T.O. 1C-17A-2-30JG-40-1 series									
A6.8.5.1. Anti-ice defog control panel assembly								-	-
A6.8.5.2. Wing ice protection shut off valve								-	-
A6.8.5.3. Wing telescopic duct slat assembly								-	-
A6.8.5.4. Wing low temperature sensor								-	-
A6.8.5.5. Leading edge slat anti-icing duct assembly								-	-
A6.8.5.6. Engine cowl low temperature sensor								-	-
A6.8.5.7. Engine cowl ice protection venturi duct assembly								-	-
A6.8.5.8. Windshield anti-icing control box								-	-

C-17 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A6.8.5.9. Window defog control box	*							-	-
A6.8.5.10. Other system components								-	-
A6.8.6 Bench check components								-	-
A6.9. ONBOARD INERT GAS GENERATION SYSTEM (OBIGGS) TR: T.O. 1C-17A-2-47GS-00-1 T.O. 1C-17A-2-47 series									
A6.9.1. Operational fundamentals								-	-
A6.9.2. Perform operational check TR: T.O. 1C-17A-2-47JG-00-1									
A6.9.2.1. OBIGGS I	*							-	-
A6.9.2.2. OBIGGS II	*							-	-
A6.9.2.3. Interrogation OBIGGS system	*							-	-
A6.9.3. Troubleshoot OBIGGS I system using FI manual		*						-	-
A6.9.4. Troubleshoot OBIGGS II system		*						-	-
A6.9.5. Inspect system components		*						-	-
A6.9.6. Remove/Install components TR: T.O. 1C-17A-2-47JG-10-1 T.O. 1C-17A-2-47JG-10-2 T.O. 1C-17A-2-47JG-10-3 T.O. 1C-17A-2-47JG-20-1 T.O. 1C-17A-2-47JG-40-1									
A6.9.6.1. Check valve								-	-
A6.9.6.2. Ducts								-	-
A6.9.6.3. Precooler								-	-
A6.9.6.4. Air separation module (ASM)								-	-
A6.9.6.5. ASM air filter	*							-	-
A6.9.6.6. Reciprocating compressor unit	*							-	-
A6.9.6.7. Intake air cleaner filter element								-	-
A6.9.6.8. Air compressor oil filter element								-	-
A6.9.6.9. Pneumatic pressure regulator								-	-
A6.9.6.10. Pneumatic butterfly shut off valve								-	-
A6.9.6.11. Fluid purity controller								-	-
A6.9.6.12. Heat exchanger								-	-
A6.9.6.13. Heat exchanger bypass valve								-	-
A6.9.6.14. Temperature sensitive element								-	-
A6.9.6.15. Remote mount pilot valve assembly solenoid								-	-

C-17 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A6.9.6.16. Pressure transmitter								-	-
A6.9.6.17. High pressure regulating and shut off valve								-	-
A6.9.6.18. Low pressure regulating & overpressure shut off valve								-	-
A6.9.6.19. Double relief valve								-	-
A6.9.6.20. Low pressure relief valve								-	-
A6.9.6.21. Rupture disk								-	-
A6.9.6.22. Overheat detector sensing element								-	-
A6.9.6.23. OBIGGS II Shut-off valve								-	-
A6.9.6.24. OBIGGS II Boost compressor								-	-
A6.9.6.25. OBIGGS II Oxygen sensor	*							-	-
A6.9.6.26. OBIGGS II Low flow valve	*							-	-
A6.9.6.27. OBIGGS II Fuel tank shut-off valve								-	-
A6.9.6.28. OBIGGS II Remote Interface Unit	*							-	-
A6.9.6.29. OBIGGS II ASM								-	-
A6.9.6.30. OBIGGS II ASM filter assembly	*							-	-
A6.9.6.31. Other system components								-	-
A6.9.7. Repair components								-	-
A6.10. INDICATING & RECORDING SYSTEM TR: T.O. 1C-17A-2-31GS-00-1 T.O. 1C-17A-2-31 series									
A6.10.1. Operational fundamentals								-	-
A6.10.2. Perform operational check TR: T.O. 1C-17A-2-31FI-00-1 T.O. 1C-17A-2-31JG-40-1 T.O. 1C-17A-2-31JG-50-1 series									
A6.10.2.1. Interrogate sensor signal interface 1 and 2	*							-	-
A6.10.2.2. Aural warning system								-	-
A6.10.2.3. Visual warning & caution system(WACS)	*							-	-
A6.10.3. Troubleshoot indicating & recording system using FI		*						-	-
A6.10.4. Inspect system components		*						-	-
A6.10.5. Remove/Install components TR: T.O. 1C-17A-2-31JG-40-1 T.O. 1C-17A-2-31JG-50-1 series									
A6.10.5.1. Warning & caution computer (WACC)	*							-	-
A6.10.5.2. Warning & caution annunciator panel (WAP)	*							-	-

C-17 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Trng Start	Trng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A6.10.5.3. Sensor signal interface	*							-	-
A6.10.6. Repair WCC data bus line								-	-
A6.11. DOOR CONTROL AND WARNING SYSTEM TR: T.O. 1C-17A-2-28GS-00-1 T.O. 1C-17A-2-52GS-00-1 T.O. 1C-17A-2-52JG series									
A6.11.1. Operational fundamentals								-	-
A6.11.2. Perform Operational check door actuating & indicating system TR: T.O. 1C-17A-2-28JG-50-4 series T.O. 1C-17A-2-52JG-30-1									
A6.11.2.1. Refuel door actuating & indicating system								-	-
A6.11.2.2. Cargo door/ramp (auto)	*							-	-
A6.11.2.3. Cargo door/ramp (manual)								-	-
A6.11.3. Troubleshoot door system using FI manual		*						-	-
A6.11.4. Inspect system components		*						-	-
A6.11.5. Remove/Install components TR: T.O. 1C-17A-2-52JG-30-1 T.O. 1C-17A-2-52JG-30-3 T.O. 1C-17A-2-52-30-6 T.O. 1C-17A-2-52JG-70-1									
A6.11.5.1. Cargo door proximity sensor								-	-
A6.11.5.2. Ramp proximity sensor								-	-
A6.11.5.3. Cargo door position transmitter								-	-
A6.11.5.4. Ramp position transmitter								-	-
A6.11.5.5. Door status panel								-	-
A6.11.6. Repair components								-	-
A6.11.7. Bench check components								-	-
A6.12. CARGO HANDLING/MISSION SYSTEM TR: T.O. 1C-17A-2-41GS-00-1 T.O. 1C-17A-2-41 SERIES									
A6.12.1. Operational fundamentals								-	-
A6.12.2. Perform operational check TR: T.O. 1C-17A-2-41JG-10-1 T.O. 1C-17A-2-41JG-10-2 T.O. 1C-17A-2-41JG-10-4 T.O. 1C-17A-2-41JG-20-1 T.O. 1C-17A-2-41JG-30-1 T.O. 1C-17A-2-41JG-50-1									
A6.12.2.1. Sidewall Aerial Delivery System (ADS) control panel								-	-
A6.12.2.2. Variable restraint assembly (VRA)								-	-

C-17 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A6.12.2.3. Cargo compartment logistic pallet control panel								-	-
A6.12.2.4. Stabilizer strut system								-	-
A6.12.2.5. CDS system								-	-
A6.12.2.6. Towrelease mechanism								-	-
A6.12.2.7. Parachute deployment mechanism								-	-
A6.12.2.8. ADS control panel								-	-
A6.12.2.9. Forward loadmaster control panel	*							-	-
A6.12.2.10. ADS backup control panel								-	-
A6.12.2.11. Aft loadmaster control panel								-	-
A6.12.2.12. ADScontroller	*							-	-
A6.12.2.13. Operate stabilizer strut for maintenance								-	-
A6.12.2.14. GATE release mechanism								-	-
A6.12.3. Troubleshoot cargo handling/mission system using FI manual		*						-	-
A6.12.4. Inspect system components		*						-	-
A6.12.5. Remove/Install components TR: T.O. 1C-17A-2-41JG-10-1 T.O. 1C-17A-2-41JG-10-4 T.O. 1C-17A-2-41JG series T.O. 1C-17A-2-41JG-20-2 T.O. 1C-17A-2-41JG-30-2 T.O. 1C-17A-2-41JG-50-1 T.O. 1C-17A-2-41JG-60-1									
A6.12.5.1. Sidewall ADS control panel	*							-	-
A6.12.5.2. Cargo compartment logistic pallet control panel								-	-
A6.12.5.3. Proximity sensor								-	-
A6.12.5.4. Stabilizer strut door actuator switch								-	-
A6.12.5.5. ADScontroller	*							-	-
A6.12.5.6. Patient monitoring panel								-	-
A6.12.5.7. Towseverance assembly								-	-
A6.12.6. Repair components								-	-
A6.12.7. Bench check components								-	-
A6.13. FUEL WARNING AND CONTROL SYSTEM TR: T.O. 1C-17A-2-28FI-00-1 T.O. 1C-17A-2-28 Series T.O. 1C-17A-2-28GS-00-1 T.O. 1C-17A-2-28JG-20-1 series									
A6.13.1. Operational fundamentals								-	-

C-17 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A6.13.2. Perform operational check of refueling& defueling system								-	-
A6.13.3. Troubleshoot fuel system using FI manual		*						-	-
A6.13.4. Inspect system components		*						-	-
A6.13.5. Remove/Install components TR: T.O. 1C-17A-2-28JG-10-1 series T.O. 1C-17A-2-28JG-20-1 series T.O. 1C-17A-2-28JG-20-2 series									
A6.13.5.1. Inert control panel								-	-
A6.13.5.2. Ground refueling control panel								-	-
A6.13.5.3. Engine start fuel sys control panel								-	-
A6.14. START AND IGNITION SYSTEM TR: T.O. 1C-17A-2-71FI-00-1 T.O. 1C-17A-2-74JG-20-1 T.O. 1C-17A-2-80GS-00-1									
A6.14.1. Operational fundamentals								-	-
A6.14.2. Perform operational check of engine ignition distribution system								-	-
A6.14.3. Troubleshoot power plant start system using FI manual		*						-	-
A6.14.4. Inspect system components		*						-	-
A6.15. BLEED AIR DISTRIBUTION SYSTEM TR: T.O. 1C-17A-2-36GS-00-1 T.O. 1C-17A-2-36 Series									
A6.15.1. Operational fundamentals								-	-
A6.15.2. Perform operational check TR: T.O. 1C-17A-2-36JG-00-1									
A6.15.2.1. Operational checkout of pneumatic system	*							-	-
A6.15.2.2. Interrogate manifold failure detection controller(MFDC)	*							-	-
A6.15.3. Troubleshoot TR: T.O. 1C-17A-2-36FI-00-1									
A6.15.3.1. Troubleshoot manifold failure detection system		*						-	-
A6.15.3.2. Troubleshoot pneumatic system ECSlaptop	*							-	-
A6.15.3.3. Troubleshoot pneumatic system using a FI manual		*						-	-
A6.15.4. Inspect system components		*						-	-
A6.15.5. Remove/Install components TR: T.O. 1C-17A-2-36JG T.O. 1C-17A-2-36JG-10-1 T.O. 1C-17A-2-36JG-10-2 T.O. 1C-17A-2-36JG-10-3									
A6.15.5.1. Pressure sensor								-	-

C-17 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Trng Start	Trng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A6.15.5.2. Temperature sensor								-	-
A6.15.5.3. Check valve								-	-
A6.15.5.4. Pylon pressure regulator valve	*							-	-
A6.15.5.5. High stage valve	*							-	-
A6.15.5.6. Pneumatic high stage manifold								-	-
A6.15.5.7. Pneumatic ducting								-	-
A6.15.5.8. Typical pneumatic system pilot valve								-	-
A6.15.5.9. Pylon overpressure shut off valve	*							-	-
A6.15.5.10. Fan air valve								-	-
A6.15.5.11. Precooler								-	-
A6.15.5.12. Overheat detector sensing element of MFD system								-	-
A6.15.5.13. Manifold failure detection controller(MFDC)	*							-	-
A6.15.5.14. Wing differential pressure switch								-	-
A6.16. AIR CONDITIONING SYSTEM TR: T.O. 1C-17A-2-21GS-00-1 T.O. 1C-17A-2-21 Series									
A6.16.1. Operational fundamentals								-	-
A6.16.2. Perform operational check TR: T.O. 1C-17A-2-21JG-00-1 series T.O. 1C-17A-2-21JG-20-1 T.O. 1C-17A-2-21JG-20-4 T.O. 1C-17A-2-21JG-40-1 series									
A6.16.2.1. Air conditioning system	*							-	-
A6.16.2.2. Interrogation of Environmental Control System Controller (ECSC)	*							-	-
A6.16.2.3. Cargo compartment vaneaxial fan								-	-
A6.16.2.4. Cargo compartment exhaust vaneaxial fan								-	-
A6.16.2.5. Ram air vent turbine bypass valve/ram air door actuator								-	-
A6.16.2.6. Cargo floor heater system								-	-
A6.16.2.7. Ramp floor heating system								-	-
A6.16.3. Troubleshoot air conditioning system using ESC laptop	*							-	-
A6.16.4. Troubleshoot air conditioning system using a FI manual		*						-	-
A6.16.5. Inspect system components		*						-	-

C-17 TRAINING REQUIREMENTS

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
1. Tasks, Knowledge And Technical References			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Trng Start	Trng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A6.16.6. Remove/Install components TR: T.O. 1C-17A-2-21JG-20-1 T.O. 1C-17A-2-21JG-20-2 series T.O. 1C-17A-2-21JG-20-3 T.O. 1C-17A-2-21JG-20-4 T.O. 1C-17A-2-21JG-40-1 series T.O. 1C-17A-2-21JG-50-1 series T.O. 1C-17A-2-21JG-50-2 series T.O. 1C-17A-2-21JG-50-3 series T.O. 1C-17A-2-21JG-50-4 series T.O. 1C-17A-2-21JG-60-1 series T.O. 1C-17A-2-21JG-90-1 series									
A6.16.6.1. Conditioned air check valve								-	-
A6.16.6.2. Mix chamber cold air relief valve								-	-
A6.16.6.3. Flow distribution mix chamber								-	-
A6.16.6.4. Environmental control panel assembly	*							-	-
A6.16.6.5. Cargo compartment vaneaxial fan								-	-
A6.16.6.6. Filter element for cargo compartment vaneaxial fan								-	-
A6.16.6.7. Conditioned air shut off valve								-	-
A6.16.6.8. Individual air valve								-	-
A6.16.6.9. Avionics cooling fan								-	-
A6.16.6.10. Avionics cooling fan check valve								-	-
A6.16.6.11. Avionics cooling out flow valve								-	-
A6.16.6.12. Augmentation valve								-	-
A6.16.6.13. Cooling avionics heat exchanger bypass valve								-	-
A6.16.6.14. Avionics backup outflow valve								-	-
A6.16.6.15. Ground inlet shut off valve								-	-
A6.16.6.16. Temperature sensors								-	-
A6.16.6.17. Avionics cooling shut off valve								-	-
A6.16.6.18. Cargo compartment exhaust vaneaxial fan								-	-
A6.16.6.19. Temperature control panel (LoadMaster)	*							-	-
A6.16.6.20. Ram air ventilation valve duct assembly								-	-
A6.16.6.21. Ram air vent valve actuator adjustment								-	-
A6.16.6.22. Ramp heater/blower								-	-
A6.16.6.23. Ramp floor thermostat								-	-
A6.16.6.24. Flow control valve	*							-	-
A6.16.6.25. Ram air plenum								-	-
A6.16.6.26. Pack anti-ice valve								-	-

C-17 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Trng Start	Trng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A6.16.6.27. Air conditioning heat exchanger								-	-
A6.16.6.28. Air cycle machine								-	-
A6.16.6.29. Fusible plug								-	-
A6.16.6.30. Water separator assembly								-	-
A6.16.6.31. Coalescer bag in water separator	*							-	-
A6.16.6.32. Ram air inlet scoop assembly								-	-
A6.16.6.33. Turbine Bypass Valve/Ram Air Door Actuator								-	-
A6.16.6.34. Ram air exhaust valve assembly								-	-
A6.16.6.35. Trim air regulator valve								-	-
A6.16.6.36. Cockpit air temperature sensing ejector assembly								-	-
A6.16.6.37. Environmental control system controller	*							-	-
A6.17. PRESSURIZATION SYSTEM TR: T.O. 1C-17A-2-21FI-00-1 T.O. 1C-17A-2-21GS-00-1 T.O. 1C-17A-2-21 series T.O. 1C-17A-2-21JG-30-1 series									
A6.17.1. Operational fundamentals								-	-
A6.17.2. Perform operational check of the pressurization system	*							-	-
A6.17.3. Troubleshoot pressurization system using a FI manual		*						-	-
A6.17.4. Inspect system components		*						-	-
A6.17.5. Remove/Install components TR: T.O. 1C-17A-2-21JG-30-1 series T.O. 1C-17A-2-21JG-30-2 series									
A6.17.5.1. Automatic cabin pressure controller	*							-	-
A6.17.5.2. Cabin pressure outflow valve body								-	-
A6.17.5.3. Cabin pressure selector panel								-	-
A6.17.5.4. Cabin pressure transducer								-	-
A6.17.5.5. Alternating current actuator								-	-
A6.17.5.6. Direct current actuator								-	-
A6.17.5.7. Cabin pressure indication panel assembly								-	-
A6.17.5.8. Altitude pressure aneroid switch								-	-
A6.17.5.9. Pressure relief valve								-	-
A6.17.6. Bench check components								-	-

C-17 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Trng Start	Trng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A6.18. OXYGEN SYSTEM TR: T.O. 1C-17A-2-35GS-00-1 T.O. 1C-17A-2-35 series									
A6.18.1. Operational fundamentals								-	-
A6.18.2. Perform operational check TR: T.O. 1C-17A-2-12JG-35-1 series T.O. 1C-17A-2-35JG-10-2 series T.O. 1C-17A-2-35JG-20-1 series T.O. 1C-17A-2-35JG-20-3 series T.O. 1C-17A-2-35JG-20-5 series T.O. 1C-17A-2-35JG-20-1 T.O. 1C-17A-2-35JG-20-3 T.O. 1C-17A-2-35JG-20-4									
A6.18.2.1. Panel-mounted diluter demand oxygen regulator	*							-	-
A6.18.2.2. Liquid oxygen (LOX) converter	*							-	-
A6.18.2.3. Emergency passenger oxygen system								-	-
A6.18.2.4. LOX quantity indicator	*							-	-
A6.18.3. Troubleshoot oxygen system using FI manual		*						-	-
A6.18.4. Inspect system components		*						-	-
A6.18.5. Remove/Install components TR: T.O. 1C-17A-2-35JG series T.O. 1C-17A-2-28JG-10-3 series T.O. 1C-17A-2-35JG-10-1 series T.O. 1C-17A-2-35JG-10-2 series T.O. 1C-17A-2-35JG-20-5 series									
A6.18.5.1. LOX quantity indicator (totalizer)	*							-	-
A6.18.5.2. LOX converter	*							-	-
A6.18.5.3. Typical 430 PSI relief valve								-	-
A6.18.5.4. Crew liquid oxygen drain valve								-	-
A6.18.5.5. Crew buildup and vent combination fill valve	*							-	-
A6.18.5.6. Crew oxygen heat exchanger								-	-
A6.18.5.7. Typical oxygen check valve								-	-
A6.18.5.8. Oxygen shut off cross-feed valve								-	-
A6.18.5.9. Diluter demand oxygen regulator	*							-	-
A6.18.5.10. Crew LOX manual shut off valve								-	-
A6.18.5.11. Oxygen automatic opening altitude compensating regulator valve								-	-
A6.18.5.12. Lavatory oxygen automatic opening altitude compensating regulator valve								-	-
A6.18.5.13. Auxiliary LOX manual shut off valve								-	-
A6.18.5.14. Passenger LOX manual shut off valve								-	-

C-17 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A6.18.5.15. Passenger oxygen mask container assemblies								-	-
A6.18.5.16. Lavatory emergency oxygen mask container assembly								-	-
A6.18.5.17. Passenger oxygen mask								-	-
A6.18.5.18. Passenger mask oxygen manifold								-	-
A6.18.5.19. Typical oxygen pressure switch								-	-
A6.18.5.20. 50 PSI halo therapeutic regulator								-	-
A6.18.5.21. Oxygen Low Pressure Switch								-	-
A6.18.5.22. Oxygen Quick Don Mask								-	-
A6.18.5.23. Oxygen Relief Valve								-	-
A6.18.6. Drain LOX converter	*							-	-
A6.18.7. Purge LOX converter	*							-	-
A6.18.8. Repack emergency oxygen mask								-	-
A6.18.9. Service LOX	*							-	-
A6.19. CREW ESCAPE AND SAFETY TR: T.O. 1C-17A-2-95GS-00-1 T.O. 1C-17A-2-95 series									
A6.19.1. Operational fundamentals								-	-
A6.19.2. Perform operational check TR: T.O. 1C-17A-2-95JG-20-1 T.O. 1C-17A-2-95JG-30-1									
A6.19.2.1. Flotation equipment deployment system (FEDS)								-	-
A6.19.2.2. Ramp escape blow-down								-	-
A6.19.3. Troubleshoot crew escape & safety system using FI		*						-	-
A6.19.4. Inspect		*						-	-
A6.19.5. Remove/Install components TR: T.O. 1C-17A-2-95JG-20-1 T.O. 1C-17A-2-95JG-20-2 T.O. 1C-17A-2-95JG-30-1									
A6.19.5.1. FEDS arm control panel								-	-
A6.19.5.2. Arm fire initiator								-	-
A6.19. CREW ESCAPE AND SAFETY TR: T.O. 1C-17A-2-95GS-00-1 T.O. 1C-17A-2-95 series									
A6.19.1. Operational fundamentals								-	-
A6.19.2. Perform operational check TR: T.O. 1C-17A-2-95JG-20-1 T.O. 1C-17A-2-95JG-30-1									
A6.19.2.1. Flotation equipment deployment system (FEDS)								-	-

C-17 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Trng Start	Trng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A6.19.2.2. Ramp escape blow-down								-	-
A6.19.3. Troubleshoot crew escape & safety system using FI		*						-	-
A6.19.4. Inspect		*						-	-
A6.19.5. Remove/Install components TR: T.O. 1C-17A-2-95JG-20-1 T.O. 1C-17A-2-95JG-20-2 T.O. 1C-17A-2-95JG-30-1									
A6.19.5.1. FEDS arm control panel								-	-
A6.19.5.2. Arm fire initiator								-	-
A6.19.5.3. Retractor assembly								-	-
A6.19.5.4. Shaped charge assembly								-	-
A6.19.5.5. Shielded mild detonating cord								-	-
A6.19.5.6. Shielded mild detonating cord union								-	-
A6.19.5.7. Port manifold								-	-
A6.19.5.8. Aft loadmaster ramp blowdown panel								-	-
A6.19.5.9. Forward loadmaster ramp blowdown panel								-	-
A6.19.5.10. Ramp emergency egress power supply battery	*							-	-
A6.19.6. Bench check emergency battery power supply								-	-
A6.19.7. Inspect emergency battery power supply								-	-
A6.19.8. Repair emergency battery power supply								-	-
A6.20. MISCELLANEOUS SYSTEMS TR: T.O. 1C-17A-2-25GS-00-1 T.O. 1C-17A-2-38GS-00-1 T.O. 1C-17A-2-39GS-00-1 T.O. 1C-17A-2-40GS-00-1									
A6.20.1. Operational fundamentals								-	-
A6.20.2. Perform operational check TR: T.O. 1C-17A-2-38JG-10-1 T.O. 1C-17A-2-38JG-30-1									
A6.20.2.1. Electric water heater								-	-
A6.20.2.2. Waste disposal system								-	-
A6.20.2.3. Galley module system								-	-
A6.20.2.4. Galley module refrigerator								-	-
A6.20.2.5. Galley module oven								-	-
A6.20.3. Inspect system components		*						-	-

C-17 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A6.20.4. Troubleshoot TR: T.O. 1C-17A-2-25FI-00-1 T.O. 1C-17A-2-38FI-00-1									
A6.20.4.1. Water/waste system								-	-
A6.20.4.2. Potable water system indication								-	-
A6.20.4.3. Equipment & furnishings								-	-
A6.20.5. Remove/Install components TR: T.O. 1C-17A-2-29JG-10-1 series T.O. 1C-17A-2-40JG-20-1 T.O. 1C-17A-2-25JG-30-1 series T.O. 1C-17A-2-25JG-40-1									
A6.20.5.1. Hydraulic system panel assembly								-	-
A6.20.5.2. Maintenance monitor panel (MMP)	*							-	-
A6.20.5.3. Galley module assembly								-	-
A6.20.5.4. Galley module hot cup timer								-	-
A6.20.5.5. Lavatory shaver power supply								-	-
A6.20.5.6. Galley module refrigerator								-	-
A6.20.5.7. Galley module oven								-	-
A6.20.6. Operate TR: T.O. 1C-17A-2-29JG-00-1 series T.O. 1C-17A-2-34JG-60-1 T.O. 1C-17A-2-40JG-20-1									
A6.20.6.1. Interrogate MCD								-	-
A6.20.6.2. Aux Hydraulic system								-	-
A6.20.6.3. Interrogate MMP/ERASE faults	*							-	-
A6.21. COMMON MAINTENANCE PRACTICES TR: T.O. 00-20-1 AFI 21-101									
A6.21.1. Inspect portable external electrical power unit								-	-
A6.21.2. Inspect ground maintenance stands								-	-
A6.21.3. Dropped Object Prevention Program (DOPP)								-	-
A6.21.4. Operate TR: T.O. 1C-17A-2-00JG series T.O. 1C-17A-2-00JG-00-1 series T.O. 1C-17A-2-10JG-60-1 series									
A6.21.4.1. Portable external electrical power unit								-	-
A6.21.4.2. Ground maintenance stands								-	-
A6.21.4.3. Fuselage access entry								-	-

C-17 TRAINING REQUIREMENTS

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
1. Tasks, Knowledge And Technical References			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A6.21.4.4. Wing access entry								-	-
A6.21.4.5. Horizontal stabilizer entry/exit								-	-
A6.21.4.6. Under-floor maintenance tunnel entry/exit								-	-
A6.21.4.7. Power off under-floor maintenance tunnel entry/exit								-	-
A6.21.4.8. Connect/disconnect ground a/c unit								-	-
A6.21.4.9. Connect/disconnect extemal pneumaticair								-	-
A6.21.4.10. Connect/disconnect external electricalpower								-	-

C-130 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A	B
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Level	5 Level
ATTACHMENT 7 NOTE 1: In addition to attachment 2, the tasks and knowledge in attachment 7 will be performed by personnel assigned to maintain C-130 aircraft. NOTE 2: Users are responsible for annotating training references to identify current references pending ST Srevision. NOTE 3: Address comments and recommended changes through Unit Training Managers to the MAJCOM Maintenance Training Manager @ HQ AMC/A4MMT, 402 Scott Drive Unit 2A2, Scott AFB, IL 62225-5308; or call DSN 576-4787. MAJCOM Training and Functional Managers forward inputs to the AETC Training Manager, DSN 736-6297.									
A7.1. AC POWER SYSTEM TR: T.O. 1C-130H/J-2-24JG series T.O. 8 series									
A7.1.1. Operational fundamentals								-	-
A7.1.2. Perform operational check	*							-	-
A7.1.3. Troubleshoot									
A7.1.3.1. AC Power System		*						-	-
A7.1.3.2. Bearing Fail System								-	-
A7.1.4. Inspect system components		*						-	-
A7.1.5. Remove/Install components									
A7.1.5.1. Generator Control Panel	*							-	-
A7.1.5.2. Voltage Regulator	*							-	-
A7.1.5.3. Frequency-Sensitive Relay								-	-
A7.1.5.4. Inverter								-	-
A7.1.5.5. Bus Tie Contactor								-	-
A7.1.5.6. Generator Control Unit	*							-	-
A7.1.5.7. Bus switching system components								-	-
A7.1.5.8. Engine generator	*							-	-
A7.1.5.9. Other system components								-	-
A7.1.6. Repair components								-	-
A7.1.7. Component location								-	-
A7.1.8. Bench check components								-	-
A7.2. DC POWER SYSTEM TR: T.O. 1C-130H/J-2-24JG series T.O. 8 series									
A7.2.1. Operational fundamentals								-	-
A7.2.2. Perform operational check	*							-	-
A7.2.3. Troubleshoot		*						-	-
A7.2.4. Inspect system components		*						-	-
A7.2.5. Remove/Install components									
A7.2.5.1. Transformer Rectifier Unit	*							-	-
A7.2.5.2. Reverse Current Relay	*							-	-
A7.2.5.3. Battery system components	*							-	-
A7.2.5.4. Aircraft battery	*							-	-

C-130 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A	B
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Level	5 Level
								Course	
A7.2.5.5. Other system components								-	-
A7.3. EXTERNAL POWER SYSTEM									
A7.3.1. Operational fundamentals								-	-
A7.3.2. Apply external power	*							-	-
A7.3.3. Troubleshoot		*						-	-
A7.3.4. Inspect system components		*						-	-
A7.3.5. Remove/Install components									
A7.3.5.1. External power receptacle								-	-
A7.3.5.2. External power contactor								-	-
A7.3.5.3. Other system components								-	-
A7.3.6. Repair components								-	-
A7.3.7. Bench check components								-	-
A7.4. APU/GT C POWER SYSTEM TR: T.O. 1C-130H/J-2-49JG series									
A7.4.1. Operational fundamentals								-	-
A7.4.2. Perform operational check	*							-	-
A7.4.3. Troubleshoot		*						-	-
A7.4.4. Inspect system components		*						-	-
A7.4.5. Remove/Install components								-	-
A7.4.5.1. Generator								-	-
A7.4.5.2. Other system components								-	-
A7.4.7. Repair components								-	-
A7.5. AIR TURBINE MOTOR (ATM)									
A7.5.1. Operational fundamentals								-	-
A7.5.2. Perform system operational check	*							-	-
A7.5.3. Perform bus off warning operational check								-	-
A7.5.4. Troubleshoot		*						-	-
A7.5.5. Inspect system components		*						-	-
A7.5.6. Remove/Install components									
A7.5.6.1. ATM assembly	*							-	-
A7.5.6.2. ATM generator	*							-	-
A7.5.6.3. Shutoff valve								-	-
A7.5.6.4. Modulation valve								-	-
A7.5.6.5. Cooling fan								-	-
A7.5.6.6. Solenoid								-	-
A7.5.6.7. Filter	*							-	-
A7.5.6.8. Bus tie/Generator Line Contactor								-	-

C-130 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A	B
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Level	5 Level
								Course	
A7.5.6.9. Bus-off Warning Relay								-	-
A7.5.7. Repair components								-	-
A7.5.8. Drain and service oil	*							-	-
A7.6. LIGHTING SYSTEM TR: T.O. 1C-130H/J-2-33JG series T.O. 8 series									
A7.6.1. Operational fundamentals								-	-
A7.6.2. Perform operational check									
A7.6.2.1. External lighting									
A7.6.2.1.1. Navigation lights	*							-	-
A7.6.2.1.2. Leading Edge lights	*							-	-
A7.6.2.1.3. Taxi lights	*							-	-
A7.6.2.1.4. Anticollision/Strobe lights	*							-	-
A7.6.2.1.5. Landing lights	*							-	-
A7.6.2.1.6. Formation lights	*							-	-
A7.6.2.1.7. Other exterior lights								-	-
A7.6.2.2. Internal lighting									
A7.6.2.2.1. Flight-deck lighting	*							-	-
A7.6.2.2.2. Cargo compartment lighting	*							-	-
A7.6.2.2.3. Emergency exit lights								-	-
A7.6.2.2.4. Other internal lighting								-	-
A7.6.3. Troubleshoot Lighting Systems		*						-	-
A7.6.4. Inspect Lighting Systems		*						-	-
A7.6.5. Remove/Install components									
A7.6.5.1. Navigation light								-	-
A7.6.5.2. Leading Edge light								-	-
A7.6.5.3. Taxi light								-	-
A7.6.5.4. Anticollision/Strobe light	*							-	-
A7.6.5.5. Anticollision light power supply	*							-	-
A7.6.5.6. Landing light	*							-	-
A7.6.5.7. Formation light								-	-
A7.6.5.8. Loading light								-	-
A7.6.5.9. Instrument panel eyebrow light								-	-
A7.6.5.10. Variable AC light transformer								-	-
A7.6.5.11. Rheostat								-	-
A7.6.5.12. NVIS light assemblies								-	-
A7.6.5.13. NVIS receptacle								-	-
A7.6.5.14. NVIS transfer unit								-	-

C-130 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A	B
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Level	5 Level
								Course	
A7.6.5.15. NVIS lighting control box								-	-
A7.6.6. Repair components								-	-
A7.7. LANDING GEAR SYSTEM TR: T.O. 1C-130H/J-2-32JG series T.O. 8 series									
A7.7.1. Operational fundamentals								-	-
A7.7.2. Perform operational check	*							-	-
A7.7.3. Troubleshoot system		*						-	-
A7.7.4. Inspect system components		*						-	-
A7.7.5. Remove/Install components									
A7.7.5.1. Landing gear control panel	*							-	-
A7.7.5.2. Touchdown switch								-	-
A7.7.5.3. Limit switches								-	-
A7.7.5.4. Indication switches								-	-
A7.7.6. Adjustment of switches									
A7.7.6.1. Touchdown switch								-	-
A7.7.6.2. Limit switches								-	-
A7.7.6.3. Indication switches								-	-
A7.8. ANTI-SKID SYSTEM TR: T.O. 1C-130H/J-2-32JG series T.O. 8 series									
A7.8.1. Operational fundamentals								-	-
A7.8.2. Perform operational check	*							-	-
A7.8.3. Troubleshoot system		*						-	-
A7.8.4. Inspect system components		*						-	-
A7.8.5. Remove/Install components									
A7.8.5.1. Anti-skid control box	*							-	-
A7.8.5.2. Wheel transducer	*							-	-
A7.8.5.3. Other system components								-	-
A7.9. PRIMARY FLIGHT CONTROL SYSTEM TR: T.O. 1C-130H/J-2-27JG series T.O. 8 series									
A7.9.1. Operational fundamentals								-	-
A7.9.2. Operational check									
A7.9.2.1. Aileron/Rudder Trim	*							-	-
A7.9.2.2. Elevator Trim	*							-	-
A7.9.3. Troubleshoot		*						-	-
A7.9.4. Inspect System Components		*						-	-

C-130 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A	B
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Level	5 Level
								Course	
A7.9.5. Remove/Install components									
A7.9.5.1. Elevator trim yoke switch								-	-
A7.9.5.2. Elevator trim selector switch								-	-
A7.9.5.3. Rudder/aileron trim switch								-	-
A7.9.5.4. Other system components								-	-
A7.10. SECONDARY FLIGHT CONTROL SYSTEM TR: T.O. 1C-130H/J-2-27JG series T.O. 8 series									
A7.10.1. Operational fundamentals								-	-
A7.10.2. Perform operational check flaps	*							-	-
A7.10.3. Troubleshoot flaps		*						-	-
A7.10.4. Inspect System Components		*						-	-
A7.10.5. Remove/Install components									
A7.10.5.1. Flap asymmetry brake switches								-	-
A7.10.5.2. Flap motor limit switches								-	-
A7.10.5.3. Flap motor warning switches								-	-
A7.10.5.4. Flap position warning switches								-	-
A7.10.6. Repair components								-	-
A7.11. OVERHEAT/FIRE WARNING SYSTEM TR: T.O. 1C-130H/J-2-26JG series T.O. 8 series									
A7.11.1. Operational fundamentals								-	-
A7.11.2. Perform operational check									
A7.11.2.1. Engine overheat/fire warning	*							-	-
A7.11.2.2. GTC/APU/overheat/fire warning	*							-	-
A7.11.2.3. Nacelle overheat	*							-	-
A7.11.2.4. Turbine overheat	*							-	-
A7.11.3. Troubleshoot									
A7.11.3.1. Overheat/fire warning		*						-	-
A7.11.3.2. Turbine overheat		*						-	-
A7.11.3.3. Nacelle overheat		*						-	-
A7.11.4. Inspect System Components		*						-	-
A7.11.5. Remove/Install components									
A7.11.5.1. Thermostat	*							-	-
A7.11.5.2. Fire/Overheat loop	*							-	-
A7.11.5.3. Fire Warning Control Box	*							-	-
A7.11.5.4. Overheat detectors	*							-	-
A7.11.5.5. Turbine overheat wiring harness								-	-

C-130 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A	B
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Level	5 Level
								Course	
A7.11.6. Repair components								-	-
A7.11.7. Bench check components								-	-
A7.12. FIRE EXTINGUISHING SYSTEM TR: T.O. 1C-130H/J-2-26JG series T.O. 8 series									
A7.12.1. Operational fundamentals								-	-
A7.12.2. Perform operational check	*							-	-
A7.12.3. Troubleshoot Systems		*						-	-
A7.12.4. Inspect System Components		*						-	-
A7.12.5. Remove/Install components									
A7.12.5.1. Squib	*							-	-
A7.12.5.2. Agent bottle	*							-	-
A7.12.5.3. Directional control valves								-	-
A7.12.5.4. System plumbing								-	-
A7.12.6. Bench check components								-	-
A7.13. MASTER CAUTION/WARNING SYSTEM TR: T.O. 1C-130H/J-2-31JG series T.O. 8 series									
A7.13.1. Operational fundamentals								-	-
A7.13.2. Perform operational check of Panel Assembly	*							-	-
A7.13.3. Troubleshoot		*						-	-
A7.13.4. Inspect System Components		*						-	-
A7.13.5. Remove/Install components									
A7.13.5.1. Dimmer Unit								-	-
A7.13.5.2. Control Box								-	-
A7.13.5.3. Light Assembly								-	-
A7.14. CARGO DOOR CONTROL AND WARNING SYSTEM TR: T.O. 1C-130H/J-2-52JG series T.O. 8 series									
A7.14.1. Operational fundamentals								-	-
A7.14.2. Perform operational check									
A7.14.2.1. Cargo Ramp/Door	*							-	-
A7.14.2.2. ADS	*							-	-
A7.14.3. Troubleshoot System		*						-	-
A7.14.4. Inspect System Components		*						-	-
A7.14.5. Remove/Install components									
A7.14.5.1. Ramp limit switch	*							-	-
A7.14.5.2. Door limit switch	*							-	-
A7.14.5.3. Other system components								-	-

C-130 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A	B
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Level	5 Level
								Course	
A7.14.6. Adjust switches									
A7.14.6.1. Ramp limit switch	*							-	-
A7.14.6.2. Door limit switch	*							-	-
A7.15. START AND IGNITION SYSTEM TR: T.O. 1C-130H/J-2-70JG series T.O. 8 series									
A7.15.1. Operational fundamentals								-	-
A7.15.2. Perform operational check								-	-
A7.15.3. Auxiliary generator								-	-
A7.15.4. Troubleshoot system		*						-	-
A7.15.5. Inspect system components		*						-	-
A7.15.6. Remove/Install components									
A7.15.6.1. Starter control switch								-	-
A7.15.6.2. Throttle ignition switch								-	-
A7.15.6.3. Low speed ground idle switch	*							-	-
A7.16. FUEL WARNING AND CONTROL SYSTEM TR: T.O. 1C-130H/J-2-28JG series T.O. 8 series									
A7.16.1. Operational fundamentals								-	-
A7.16.2. Perform operational check								-	-
A7.16.3. Troubleshoot system								-	-
A7.16.4. Inspect system components		*						-	-
A7.16.5. Remove/Install components								-	-
A7.16.6. Repair components								-	-
A7.16.7. Bench check components								-	-
A7.17. NESA ANTI-ICING SYSTEM TR: T.O. 1C-130H/J-2-30JG series T.O. 8 series									
A7.17.1. Operational fundamentals								-	-
A7.17.2. Perform operational check	*							-	-
A7.17.3. Attach wire to taps on transformer	*							-	-
A7.17.4. Troubleshoot system		*						-	-
A7.17.5. Inspect system components		*						-	-
A7.17.6. Remove/Install components									
A7.17.6.1. Power transformer								-	-
A7.17.6.2. NESA window leads and hardware	*							-	-
A7.18. BLEED AIR DISTRIBUTION SYSTEM TR: T.O. 1C-130H/J-2-21JG series T.O. 8 series									
A7.18.1. Operational fundamentals								-	-

C-130 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A	B
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Level	5 Level
								Course	
A7.18.2. Operational check	*							-	-
A7.18.3. Troubleshoot system		*						-	-
A7.18.4. Inspect system components		*						-	-
A7.18.5. Remove/Install components									
A7.18.5.1. Engine pressure regulator/shutoff valve	*							-	-
A7.18.5.2. Wing anti-ice valve	*							-	-
A7.18.5.3. Bleed air ducts and clamps	*							-	-
A7.18.5.4. Thermostat								-	-
A7.18.5.5. Other system components								-	-
A7.18.6. Perform leakage checks	*							-	-
A7.18.7. Perform bleed air decay check	*							-	-
A7.18.8. Adjust bleed air regulator valve								-	-
A7.18.9. Repair duct insulation								-	-
A7.19. RADOME ANTI-ICING SYSTEM TR: T.O. 1C-130H/J-2-30JG series T.O. 8 series									
A7.19.1. Operational fundamentals								-	-
A7.19.2. Perform operational check								-	-
A7.19.3. Troubleshoot system								-	-
A7.19.4. Troubleshoot monitoring system								-	-
A7.19.5. Inspect system components								-	-
A7.19.6. Remove/Install components									
A7.19.6.1. Anti-ice valve								-	-
A7.19.6.2. Thermal-switches								-	-
A7.19.6.3. Anti-ice solenoid								-	-
A7.19.6.4. Anti-ice regulator								-	-
A7.19.6.5. Glycol tank components								-	-
A7.19.6.6. Monitor Indicators								-	-
A7.19.6.7. Pressure Transducer								-	-
A7.19.6.8. Resistance Temperature Detector								-	-
A7.19.7. Calibrate System								-	-
A7.20. WING AND EMPENNAGE ANTI-ICING SYSTEM TR: T.O. 1C-130H/J-2-30JG series T.O. 8 series									
A7.20.1. Operational fundamentals								-	-
A7.20.2. Perform operational check	*							-	-
A7.20.3. Troubleshoot system		*						-	-
A7.20.4. Inspect system component		*						-	-

C-130 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A	B
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Level	5 Level
								Course	
A7.20.5. Remove/Install components								-	-
A7.21. ICE DETECTION SYSTEM TR: T.O. 1C-130H/J-2-30JG series T.O. 8 series									
A7.21.1. Operational fundamentals								-	-
A7.21.2. Perform operational check	*							-	-
A7.21.3. Troubleshoot system		*						-	-
A7.21.4. Inspect system components		*						-	-
A7.21.5. Remove/Install components									
A7.21.5.1. Ice detector	*							-	-
A7.21.5.2. Interpreter								-	-
A7.21.5.3. Propeller de-ice timer								-	-
A7.21.5.4. Other System Components								-	-
A7.22. UNDERFLOOR HEAT SYSTEM TR: T.O. 1C-130H/J-2-21JG series T.O. 8 series									
A7.22.1. Operational fundamentals								-	-
A7.22.2. Perform operational check	*							-	-
A7.22.3. Troubleshoot system		*						-	-
A7.22.4. Inspect system components		*						-	-
A7.22.5. Remove/Install components									
A7.22.5.1. Shut off valve								-	-
A7.22.5.2. Diverter valve								-	-
A7.22.5.3. Thermostat								-	-
A7.22.5.4. Recirculating fan								-	-
A7.22.5.5. Other system components								-	-
A7.23. AIR CONDITIONING SYSTEM TR: T.O. 1C-130H/J-2-21JG series T.O. 8 series									
A7.23.1. Operational fundamentals								-	-
A7.23.2. Operational check	*							-	-
A7.23.3. Troubleshoot System		*						-	-
A7.23.4. Inspect System Components		*						-	-
A7.23.5. Remove/Install components									
A7.23.5.1. Flow control valve	*							-	-
A7.23.5.2. Diverter valve pressure controller								-	-
A7.23.5.3. Water separator sock	*							-	-
A7.23.5.4. Temperature control valve	*							-	-
A7.23.5.5. Water separator								-	-

C-130 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A	B
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Level	5 Level
								Course	
A7.23.5.6. Water separator anti-ice valve								-	-
A7.23.5.7. Auxiliary vent valve								-	-
A7.23.5.8. Cooling turbine								-	-
A7.23.5.9. Heat exchanger								-	-
A7.23.5.10. Ram air duct								-	-
A7.23.5.11. Refrigeration unit								-	-
A7.23.5.12. Temperature control boxes								-	-
A7.23.5.13. Cargo compartment recirculation fan								-	-
A7.23.5.14. Other system components								-	-
A7.23.6. Repair components								-	-
A7.23.7. Perform leakage checks	*							-	-
A7.23.8. Bench check components								-	-
A7.23.9. Service cooling turbine	*							-	-
A7.23.10. Adjust flight deck flow valve cabin assembly								-	-
A7.24. PRESSURIZATION SYSTEM TR: T.O. 1C-130H/J-2-21JG series T.O. 8 series									
A7.24.1. Operational fundamentals								-	-
A7.24.2. Perform operational check	*							-	-
A7.24.3. Troubleshoot									
A7.24.3.1. Pressurization system		*						-	-
A7.24.3.2. Overboard vents system								-	-
A7.24.4. Inspect system components		*						-	-
A7.24.5. Remove/Install components									
A7.24.5.1. Pressure controller	*							-	-
A7.24.5.2. Outflow valve	*							-	-
A7.24.5.3. Pneumatic relay								-	-
A7.24.5.4. Safety valve	*							-	-
A7.24.5.5. Overboard Vent outflow valve								-	-
A7.24.5.6. Overboard vent vacuum regulator								-	-
A7.24.5.7. Overboard Vent pneumatic relay								-	-
A7.24.5.8. Filters								-	-
A7.24.6. Repair components								-	-
A7.24.7. Bench check components								-	-
A7.24.8. Perform pressure decay check	*							-	-

C-130 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A	B
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Level	5 Level
								Course	
A7.25. LIQUID OXYGEN SYSTEM TR: T.O. 1C-130H/J-2-35JG series T.O. 8 series T.O. 15X1-1 T.O. 42B5-1-2 T.O. 42E1-1-1 AFI 91-203									
A7.25.1. Operational fundamentals								-	-
A7.25.2. Perform operational check	*							-	-
A7.25.3. Troubleshoot system		*						-	-
A7.25.4. Inspect system components		*						-	-
A7.25.5. Purge system	*							-	-
A7.25.6. Remove/Install components									
A7.25.6.1. Oxygen regulator	*							-	-
A7.25.6.2. Converter	*							-	-
A7.25.6.3. Buildup/vent valve	*							-	-
A7.25.6.4. Shut off drain valve								-	-
A7.25.6.5. Heat Exchanger								-	-
A7.25.7. Perform leak check	*							-	-
A7.25.8. Clean components	*							-	-
A7.26. MISCELLANEOUS SYSTEMS TR: T.O. 1C-130H/J-2-25JG series T.O. 1C-130H/J-2-28JG series T.O. 1C-130H/J-2-52JG series T.O. 1C-130H/J-2-70JG series T.O. 8 series									
A7.26.1. Operational Fundamentals								-	-
A7.26.2. Galley Systems TR: T.O. 1C-130H/J-2-25JG series									
A7.26.2.1. Perform operational check								-	-
A7.26.2.2. Troubleshoot system								-	-
A7.26.2.3. Inspect								-	-
A7.26.2.4. Remove/Install components								-	-
A7.26.3. Propeller Feather Electrical TR: T.O. 1C-130H/J-2-70JG series									
A7.26.3.1. Perform operational check								-	-
A7.26.3.2. Troubleshoot system								-	-
A7.26.3.3. Inspect system components		*						-	-
A7.26.3.4. Remove/Install feather button								-	-
A7.26.4. Static line retriever system TR: T.O. 1C-130H/J-2-25JG series									
A7.26.4.1. Perform operational check	*							-	-

C-130 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A	B
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Level	5 Level
								Course	
A7.26.4.2. Troubleshoot system		*						-	-
A7.26.4.3. Inspect system components		*						-	-
A7.26.4.4. Remove/Install components									
A7.26.4.4.1. Static line current limiter	*							-	-
A7.26.4.4.2. Static line switches								-	-
A7.26.4.5. Repair components								-	-
A7.26.4.6. Bench Check Components								-	-
A7.26.4.7. Air Deflector Door									
A7.26.4.7.1. Perform operational Check								-	-
A7.26.4.7.2. Inspect								-	-
A7.26.4.7.3. Troubleshoot								-	-
A7.26.4.7.4. Remove/Install system components								-	-
A7.26.5. UARRSI TR: T.O. 1C-130H/J-2-28JG series									
A7.26.5.1. Operational fundamentals								-	-
A7.26.5.2. Perform operational check								-	-
A7.26.5.3. Troubleshoot system								-	-
A7.26.5.4. Inspect system components								-	-
A7.26.5.5. Remove/Install components								-	-
A7.26.6. Aerial Refueling System TR: T.O. 1C-130H/J-2-28JG series									
A7.26.6.1. Operational fundamentals								-	-
A7.26.6.2. Perform operational check								-	-
A7.26.6.3. Troubleshoot system								-	-
A7.26.6.4. Inspect system components								-	-
A7.26.6.5. Remove/Install components								-	-
A7.26.7. APU Door Actuator TR: T.O. 1C-130H/J-2-49JG series									
A7.26.7.1. Perform operational check								-	-
A7.26.7.2. Troubleshoot system								-	-
A7.26.7.3. Inspect system components								-	-
A7.26.7.4. Remove/Install actuator								-	-
A7.27. COMMON MAINTENANCE PRACTICES TR: T.O. 00-20-1 AFI 21-101									
A7.27.1. Dropped Object Program(DOPP)								-	-
A7.27.2. Defensive System (DS) familiarization (on applicable aircraft)								-	-

C-130 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A	B
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Level	5 Level
								Course	
A7.28. C-130 J MODEL APPLICABLE TASK									
A7.28.1. AC power systems TR: T.O. 1C-130H/J-2-24JG series									
A7.28.1.1. Perform operational check using Communication Navigation Identification Management Unit(CNI-MU)								-	-
A7.28.2. Remove/Install components									
A7.28.2.1. Overhead Electrical Control Panel								-	-
A7.28.2.2. Engine Generator Magnetic Indicator Plug								-	-
A7.28.2.3. Bulkhead Battery Panel Assembly								-	-
A7.28.2.4. Electronic Circuit Breaker Unit								-	-
A7.29. DC POWER SYSTEM TR: T.O. 1C-130H/J-2-24JG series									
A7.29.1. Remove/Install components									
A7.29.1.1. Low Voltage Power Supply (LVPS)								-	-
A7.29.1.2. Power Panel Distribution Unit (PPDU)								-	-
A7.29.1.3. DC Power Diodes								-	-
A7.29.2. Load Electronic C/B Unit (ECBU) Software	*							-	-
A7.29.3. Perform ECBU IBIT	*							-	-
A7.29.4. Manipulate ECB's using AMU (Avionics Management Unit)	*							-	-
A7.29.5. Manipulate ECB's using CNI-MU	*							-	-
A7.29.6. Manipulate ECB's using Portable Maintenance Aid(PMA)								-	-
A7.30. EXTERNAL POWER SYSTEM TR: T.O. 1C-130H/J-2-24JG series									
A7.30.1. Load Operational Maintenance Program(OMP) with external power	*							-	-
A7.30.2. Load Operational Maintenance Program(OMP) with battery power								-	-
A7.31. APU POWER SYSTEM TR: T.O. 1C-130H/J-2-49JG series									
A7.31.1. Perform operational check using CNI-MU								-	-
A7.32. LIGHTING SYSTEM TR: T.O. 1C-130H/J-2-33JG series									
A7.32.1. Operate Copilots lighting using CNI-MU								-	-
A7.32.2. Operate Pilots lighting using CNI-MU								-	-
A7.32.3. Operate External lighting using CNI-MU								-	-
A7.32.4. Operate Lighting control using AMU and HDD								-	-
A7.32.5. Perform Operational Check of Emergency Exit Lighting System								-	-

C-130 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A	B
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Level	5 Level
								Course	
A7.32.6. Remove/Install components									
A7.32.6.1. Multi-Channel Dimming Unit(MCDU)								-	-
A7.32.6.2. Dome Light Dimming Unit (DLDU)								-	-
A7.32.6.3. Emergency Exit Light Inertia Switch								-	-
A7.32.6.4. Emergency Exit Light Batteries								-	-
A7.32.6.5. Electroluminescent formation light								-	-
A7.32.6.6. Electroluminescent formation light dimmer unit								-	-
A7.32.6.7. Exterior Lighting Control Panel								-	-
A7.33. LANDING GEAR SYSTEM TR: T.O. 1C-130H/J-2-32JG series									
A7.33.1. Perform operational check									
A7.33.1.1. Control panel using DTADS/PMA								-	-
A7.33.1.2. Landing gear using CNI-MU								-	-
A7.34. ANTI-SKID SYSTEM/WHEEL BRAKE SYSTEM TR: T.O. 1C-130H/J-2-32JG series									
A7.34.1. Perform operational check using CNI-MU								-	-
A7.34.2. Perform IBIT of system								-	-
A7.35. OVERHEAT/FIRE WARNING SYSTEM TR: T.O. 1C-130H/J-2-26JG series									
A7.35.1. Perform operational check of Fire & Overheat Detection System (FODS) Controller	*							-	-
A7.35.2. Perform IBIT of FODS Controller								-	-
A7.35.3. Remove/Install FODS controller								-	-
A7.36. SMOKE DETECTION SYSTEM TR: T.O. 1C-130H/J-2-26JG series									
A7.36.1. Perform operational check using AMU								-	-
A7.36.2. Remove/Install smoke detector								-	-
A7.37. SYSTEM INTEGRATION AND DISPLAY TR: T.O. 1C-130H/J-2-31JG series									
A7.37.1. Perform operational check of BAU (Type I or II)								-	-
A7.37.2. Remove/Install components									
A7.37.2.1. Bus Adapter Unit (BAU)								-	-
A7.37.2.2. Bus Interface Unit (BIU)								-	-
A7.38. CARGO DOOR CONTROL AND WARNING SYSTEM TR: T.O. 1C-130H/J-2-52JG series									
A7.38.1. Perform operational check using CNI-MU								-	-

C-130 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A	B
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Level	5 Level
								Course	
A7.39. BLEED AIR ENVIRONMENTAL CONTROL SYSTEM (BAECS) TR: T.O. 1C-130H/J-2-21JG series									
A7.39.1. Perform operational check									
A7.39.1.1. BAECS								-	-
A7.39.1.2. Wing/empennage anti-ice system								-	-
A7.39.2. Operate Bleed Air Valves using CNI-MU								-	-
A7.39.3. Perform IBIT of BAECS Anti-Ice System								-	-
A7.39.4. Remove/Install components									
A7.39.4.1. BAECS Controller	*							-	-
A7.39.4.2. Pneumatic Controller								-	-
A7.39.4.3. Temperature Sensor								-	-
A7.39.4.4. Pressure Sensor								-	-
A7.39.4.5. Nacelle Shut-off Valve								-	-
A7.39.4.6. Bleed Air Augmenter Valve								-	-
A7.39.4.7. Bleed Air Control Panel								-	-
A7.40. ICE PROTECTION TR: T.O. 1C-130H/J-2-30JG series									
A7.40.1. Perform operational check of De-Ice Boot								-	-
A7.40.2. Calibrate De-ice Timer Unit (DITU)								-	-
A7.40.3. Operate Ice Protection System using CNI-MU (NESA, WING/EMP, PROP)								-	-
A7.40.4. Remove/Install Anti-ice Control Panel									
A7.40.5. Perform Leakage Checks									
A7.40.5.1. Connect and disconnect bleed air adapter kit.								-	-
A7.41. AIR CONDITIONING SYSTEM TR: T.O. 1C-130H/J-2-21JG series									
A7.41.1. Perform operational check using CNI-MU								-	-
A7.41.2. Avionics cooling									
A7.41.2.1. Perform operational checks								-	-
A7.41.2.2. Remove/Install components									
A7.41.2.2.1. Avionics Cooling Fans								-	-
A7.41.2.2.2. Air Conditioning Control Panel								-	-
A7.41.2.2.3. Other system components									
A7.42. PRESSURIZATION TR: T.O. 1C-130H/J-2-21JG series									
A7.42.1. Perform operational check using CNI-MU	*							-	-

C-130 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A	B
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Level	5 Level
								Course	
A7.42.2. Remove/Install components									
A7.42.2.1. Pressurization Control Panel								-	-
A7.42.2.2. Cabin Pressure Controller	*							-	-
A7.42.2.3. Out flow Valve Servo								-	-
A7.42.2.4. Cabin Pressure Transducer								-	-
A7.42.2.5. Cabin Pressure Controller IBIT								-	-
A7.42.3. Clean Out flow Valve Jet Pump								-	-
A7.43. COMMON MAINTENANCE PRACTICES									
TR: T.O. 1C-130H/J-2-46JG series									
A7.43.1. Access maintenance messages using AMU/HDD	*							-	-
A7.43.2. Operate Portable Maintenance Aid (PMA)	*							-	-
A7.43.3. Interpret Fault Isolation codes using Ground Maintenance System (GMS)	*							-	-
A7.43.4. Perform Data Bus Test Points (DBTP) using PMA	*							-	-
A7.43.5. Removal/Installation fundamentals									
A7.43.5.1. Type 1 Line Replaceable Units								-	-
A7.43.5.2. Type 2 Line Replaceable Units								-	-
A7.43.5.3. Type 3 Line Replaceable Units								-	-
A7.43.5.4. Type 4 Line Replaceable Units								-	-
A7.43.5.5. Type 5 Line Replaceable Units								-	-
A7.43.6. Enhanced cargo handling system									
A7.43.6.1. Perform operational Check of ECHS								-	-
A7.43.7. Remove/Install components									
A7.43.7.1. Pallet Lock Control Unit (PLCU)								-	-
A7.43.7.2. Multi-Function Color Display (MFCD)								-	-

F-15 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A	B
			Tag Start	Tag Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Level	5 Level
								Course	
Attachment 8									
NOTE 1: In addition to attachment 2, personnel assigned to maintain F-15 aircraft will perform the tasks and knowledge in attachment 8.									
NOTE 2: Users are responsible for annotating training references to identify current references pending ST Srevision.									
NOTE 3: Address comments and recommended changes through the MAJCOM Functional Managers to the AETC Training Manager, DSN 736-6297.									
A8.1. AC POWER SYSTEM TR: T.O. 1F-15C/D/E-2-24 series									
A8.1.1. Operational fundamentals								-	-
A8.1.2. Inspect System components		*						-	-
A8.1.3. Perform operational checks									
A8.1.3.1. Main Generator System	*							-	-
A8.1.3.2. Emergency AC Power System								-	-
A8.1.4. Troubleshoot									
A8.1.4.1. Main Generator System		*						-	-
A8.1.4.2. Emergency Power System								-	-
A8.1.5. Remove/Install components									
A8.1.5.1. Integrated Drive Generator (IDG)	*							-	-
A8.1.5.2. Generator Control Unit (GCU)	*							-	-
A8.1.5.3. Power contactor								-	-
A8.1.5.4. IDG filters								-	-
A8.1.5.5. Relay panels								-	-
A8.1.5.6. Circuit breaker panels								-	-
A8.1.6. Repair components									
A8.1.6.1. Disassemble/Assemble IDG								-	-
A8.1.6.2. Relay panels								-	-
A8.1.6.3. Circuit breaker panels								-	-
A8.1.7. Bench check									
A8.1.7.1. Generator								-	-
A8.1.7.2. CSD								-	-
A8.1.7.3. Relay Panels								-	-
A8.1.7.4. Circuit Breaker Panels								-	-
A8.1.8. Service IDG	*							-	-
A8.2. DC POWER SYSTEM TR: T.O. 1F-15C/D/E-2-24 series									
A8.2.1. Operational fundamentals								-	-
A8.2.2. Perform operational check	*							-	-
A8.2.3. Troubleshoot		*						-	-
A8.2.4. Inspect system components		*						-	-
A8.2.5. Remove/Install components									
A8.2.5.1. DC Power Contactor								-	-

F-15 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A	B
			Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Level Course	5 Level
A8.2.5.2. Transformer Rectifier	*							-	-
A8.2.5.3. Circuit Breaker Panels								-	-
A8.2.5.4. Relay Panels	*							-	-
A8.2.6. Repair components									
A8.2.6.1. Circuit Breaker Panels								-	-
A8.2.6.2. Relay Panels								-	-
A8.3. EXTERNAL POWER SYSTEM TR: T.O. 1F-15C/D/E-2-24 series									
A8.3.1. Operational fundamentals								-	-
A8.3.2. Perform operational check	*							-	-
A8.3.3. Apply external power	*							-	-
A8.3.4. Troubleshoot		*						-	-
A8.3.5. Inspect system components		*						-	-
A8.3.6. Remove/Install components									
A8.3.6.1. External Power Receptacle								-	-
A8.3.6.2. External Power Monitor								-	-
A8.3.6.3. External Power Contactor								-	-
A8.4. LIGHTING SYSTEM TR: 1F-15C/D/E-2-33 series									
A8.4.1. Operational Fundamentals									
A8.4.1.1. Exterior								-	-
A8.4.1.2. Interior								-	-
A8.4.1.3. Emergency								-	-
A8.4.2. Perform operational check									
A8.4.2.1. Exterior	*							-	-
A8.4.2.2. Interior	*							-	-
A8.4.2.3. Emergency	*							-	-
A8.4.3. Troubleshoot									
A8.4.3.1. Exterior		*						-	-
A8.4.3.2. Interior		*						-	-
A8.4.3.3. Emergency		*						-	-
A8.4.4. Inspect System Components									
A8.4.4.1. Exterior		*						-	-
A8.4.4.2. Interior		*						-	-
A8.4.4.3. Emergency		*						-	-
A8.4.5. Remove/Install components									
A8.4.5.1. Position Lights	*							-	-
A8.4.5.2. Anti-Collision Lights	*							-	-

F-15 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A	B
			Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Level Course	5 Level
A8.4.5.3. Formation Lights								-	-
A8.4.5.4. Tail Flood Lights								-	-
A8.4.5.5. IFR Flood Light								-	-
A8.4.5.6. IFR Slipway Lights								-	-
A8.4.5.7. Flasher Assembly								-	-
A8.4.5.8. Lighting Control Panel								-	-
A8.4.5.9. Lights Trim Panel								-	-
A8.4.5.10. Light Assemblies								-	-
A8.4.5.11. Power Supply								-	-
A8.4.5.12. Night Vision Imaging System (NVIS) Components								-	-
A8.4.6. Repair components									
A8.4.6.1. Position Lights								-	-
A8.4.6.2. Anti-Collision Lights								-	-
A8.4.6.3. Taxi Light								-	-
A8.4.6.4. Landing Light								-	-
A8.4.6.5. IFR Flood Light								-	-
A8.4.6.6. Lighting Control Panel								-	-
A8.4.6.7. Lights Trim Panel								-	-
A8.4.6.8. Light Assemblies								-	-
A8.4.6.9. Power Supply								-	-
A8.4.6.10. Night Vision Imaging System (NVIS) Components								-	-
A8.4.7. Bench check components									
A8.4.7.1. Position Lights								-	-
A8.4.7.2. Anti-Collision Lights								-	-
A8.4.7.3. Taxi Light								-	-
A8.4.7.4. Landing Light								-	-
A8.4.7.5. IFR Flood Light								-	-
A8.4.7.6. Lights Trim Panel								-	-
A8.4.7.7. Light Assemblies								-	-
A8.4.7.8. Power Supply								-	-
A8.4.7.9. Night Vision Imaging System (NVIS) Components								-	-
A8.5. LANDING GEAR SYSTEM TR: T.O. 1F-15C/D/E-2-32 series									
A8.5.1. Operational fundamentals								-	-
A8.5.2. Perform landing gear operational check	*							-	-
A8.5.3. Troubleshoot		*						-	-
A8.5.4. Inspect system components		*						-	-
A8.5.5. Remove/Install components									

F-15 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A	B
			Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Level	5 Level
								Course	
A8.5.5.1. Landing Gear Control Handle	*							-	-
A8.5.5.2. Limit/Proximity Switches	*							-	-
A8.5.6. Rig Limit/Proximity Switches	*							-	-
A8.6. ARRESTING HOOK INDICATION AND WARNING SYSTEM TR: T.O. 1F-15C/D/E-2-32 series									
A8.6.1. Operational fundamentals								-	-
A8.6.2. Perform operational check								-	-
A8.6.3. Troubleshoot								-	-
A8.6.4. Inspect system components								-	-
A8.6.5. Remove/Install components									
A8.6.5.1. Control Switches								-	-
A8.6.5.2. Up Limit Switches								-	-
A8.6.5.3. Safety Interlock Switches								-	-
A8.6.6. Adjust Switches								-	-
A8.7. CANOPY INDICATION AND WARNING SYSTEM TR: T.O. 1F-15C/D/E-2-95 series									
A8.7.1. Operational fundamentals								-	-
A8.7.2. Perform operational check								-	-
A8.7.3. Troubleshoot								-	-
A8.7.4. Inspect system components								-	-
A8.7.5. Remove/Install components									
A8.7.5.1. Canopy Position Switch								-	-
A8.7.5.2. Canopy Lock Position Switch								-	-
A8.7.5.3. Warning Lights								-	-
A8.7.6. Adjust Switches								-	-
A8.8. ANTI-SKID SYSTEM TR: T.O. 1F-15C/D/E-2-32 series									
A8.8.1. Operational fundamentals								-	-
A8.8.2. Perform operational check	*							-	-
A8.8.3. Troubleshoot		*						-	-
A8.8.4. Inspect system components		*						-	-
A8.8.5. Remove/Install components									
A8.8.5.1. Control Box	*							-	-
A8.8.5.2. Control Panel								-	-
A8.8.5.3. Brake Pulsar Unit								-	-
A8.8.5.4. Wheel Speed Detector	*							-	-
A8.8.6. Repair Control Panel								-	-
A8.8.7. Bench Check Control Panel								-	-

F-15 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A	B
			Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Level	5 Level
								Course	
A8.9. BRAKE HOLDING SYSTEM TR: T.O. 1F-15-E-2-32 series									
A8.9.1. Operational fundamentals								-	-
A8.9.2. Perform operational check								-	-
A8.9.3. Troubleshoot								-	-
A8.9.4. Inspect system components								-	-
A8.9.5. Remove/Install Brake Hold Switch								-	-
A8.9.6. Repair Throttle Quadrant								-	-
A8.9.7. Bench Check Throttle Quadrant								-	-
A8.10. NOSE GEAR STEERING SYSTEM TR: T.O. 1F-15C/D/E-2-32 series									
A8.10.1. Operational fundamentals								-	-
A8.10.2. Perform operational check	*							-	-
A8.10.3. Troubleshoot		*						-	-
A8.10.4. Inspect system components		*						-	-
A8.10.5. Remove/Install Range Limit Switch								-	-
A8.11. SECONDARY FLIGHT CONTROL SYSTEM TR: T.O. 1F-15C/D/E-2-27 series									
A8.11.1. Operational fundamentals								-	-
A8.11.2. Perform operational check									
A8.11.2.1. Flaps								-	-
A8.11.2.2. Speed Brake								-	-
A8.11.3. Troubleshoot									
A8.11.3.1. Flaps		*						-	-
A8.11.3.2. Speed Brake		*						-	-
A8.11.4. Inspect system components		*						-	-
A8.11.5. Remove/Install Flap Airspeed Switch								-	-
A8.12. OVERHEAT/FIRE WARNING SYSTEM TR: T.O. 1F-15C/D/E-2-26 series									
A8.12.1. Operational fundamentals									
A8.12.1.1. Engine								-	-
A8.12.1.2. Bleed Air Leak Detection								-	-
A8.12.2. Perform operational check									
A8.12.2.1. Engine	*							-	-
A8.12.2.2. Bleed Air Leak Detection	*							-	-
A8.12.3. Troubleshoot									
A8.12.3.1. Engine		*						-	-

F-15 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A	B
			Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Level Course	5 Level
A8.12.3.2. Bleed Air Leak Detection		*						-	-
A8.12.4. Inspect system components		*						-	-
A8.12.5. Remove/Install components									
A8.12.5.1. Sensing Elements	*							-	-
A8.12.5.2. Control Box								-	-
A8.12.5.3. Control Panel								-	-
A8.12.6. Repair Control Panel								-	-
A8.12.7. Bench check Control Panel								-	-
A8.13. FIRE EXTINGUISHING SYSTEM TR: T.O. 1F-15C/D/E-2-26 series									
A8.13.1. Operational fundamentals								-	-
A8.13.2. Perform operational check	*							-	-
A8.13.3. Troubleshoot		*						-	-
A8.13.4. Inspect system components		*						-	-
A8.13.5. Remove/Install components									
A8.13.5.1. Squib	*							-	-
A8.13.5.2. Fire Bottle								-	-
A8.14. MASTER CAUTION/WARNING SYSTEM TR: T.O. 1F-15C/D/E-2-33 series									
A8.14.1. Operational fundamentals								-	-
A8.14.2. Perform operational check	*							-	-
A8.14.3. Troubleshoot		*						-	-
A8.14.4. Inspect system components		*						-	-
A8.14.5. Remove/Install components									
A8.14.5.1. Master Caution Light Assembly								-	-
A8.14.5.2. Master Caution Display Panel	*							-	-
A8.15. FUEL WARNING AND CONTROL SYSTEM TR: T.O. 1F-15C/D/E-2-28 series									
A8.15.1. Operational fundamentals								-	-
A8.15.2. Perform operational check	*							-	-
A8.15.3. Troubleshoot								-	-
A8.15.4. Inspect system components		*						-	-
A8.15.5. Remove/Install components									
A8.15.5.1. Fuel System Ground Preflight Test Panel								-	-
A8.15.5.2. In Flight Refueling Door Squibs								-	-
A8.15.5.3. Emergency Air Refueling Thruster								-	-
A8.15.5.4. Current Monitor								-	-
A8.15.6. Bench check Fuel System Ground Preflight Test Panel								-	-

F-15 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A	B
			Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Level	5 Level
								Course	
A8.16. START AND IGNITION SYSTEM TR: T.O. 1F-15C/D/E-2-70 series T.O. 8 series component									
A8.16.1. Operational fundamentals								-	-
A8.16.2. Perform operational check								-	-
A8.16.3. Troubleshoot		*						-	-
A8.16.4. Inspect wiring		*						-	-
A8.17. BLEED AIR DISTRIBUTION SYSTEM TR: T.O. 1F-15C/D/E-2-21 series T.O. 8 series component									
A8.17.1. Operational fundamentals								-	-
A8.17.2. Perform operational check	*							-	-
A8.17.3. Troubleshoot		*						-	-
A8.17.4. Inspect system components		*						-	-
A8.17.5. Remove/Install components									
A8.17.5.1. Backup Valve	*							-	-
A8.17.5.2. Final Stage Valve	*							-	-
A8.17.5.3. Final Stage Valve Solenoid								-	-
A8.17.5.4. Final Stage Valve Filter								-	-
A8.17.5.5. Ejector Valve								-	-
A8.17.5.6. Bypass Valve	*							-	-
A8.17.5.7. Sensors								-	-
A8.17.5.8. Ducts	*							-	-
A8.17.5.9. Tubing								-	-
A8.17.5.10. Primary Heat Exchanger	*							-	-
A8.17.6. Perform leakage checks	*							-	-
A8.18. AIR CONDITIONING SYSTEM TR: T.O. 1F-15C/D/E-2-21 series T.O. 8 series component									
A8.18.1. Operational fundamentals									
A8.18.1.1. High Pressure Air Conditioning System								-	-
A8.18.1.2. Air Cycle Air Conditioning System								-	-
A8.18.1.3. Cabin Temperature Control System								-	-
A8.18.1.4. Avionics Temperature Control System								-	-
A8.18.1.5. Low Pressure Air Conditioning System								-	-
A8.18.2. Subsystem Fundamentals									
A8.18.2.1. Anti-Gsuit system								-	-
A8.18.2.2. Defogging system								-	-

F-15 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A	B
			Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Level Course	5 Level
A8.18.3. Perform operational check									
A8.18.3.1. Air Conditioning Systems	*							-	-
A8.18.3.2. Cabin Temperature Control System	*							-	-
A8.18.3.3. Avionics Temperature Control System	*							-	-
A8.18.3.4. Anti-G Suit System								-	-
A8.18.3.5. Defogging System								-	-
A8.18.4. Troubleshoot									
A8.18.4.1. Air Conditioning Systems		*						-	-
A8.18.4.2. Cabin Temperature Control System		*						-	-
A8.18.4.3. Avionics Temperature Control System		*						-	-
A8.18.4.4. Anti-Gsuit System								-	-
A8.18.4.5. Defogging System								-	-
A8.18.5. Inspect system components		*						-	-
A8.18.6. Remove/Install components									
A8.18.6.1. Condenser/Liquid Coolant Heat Exchanger	*							-	-
A8.18.6.2. High Pressure Water Separator Modulating Valve								-	-
A8.18.6.3. Regenerative Heat Exchanger								-	-
A8.18.6.4. Regenerative Heat Exchanger Modulating Valve								-	-
A8.18.6.5. Re-Heater Heat Exchanger								-	-
A8.18.6.6. Secondary Heat Exchanger								-	-
A8.18.6.7. Secondary Heat Exchanger Ejector Valve								-	-
A8.18.6.8. Secondary Heat Exchanger Ejector								-	-
A8.18.6.9. Fuel Pressurization Heat Exchanger								-	-
A8.18.6.10. Turbine/Compressor	*							-	-
A8.18.6.11. Turbine/Compressor Bypass Valve								-	-
A8.18.6.12. Turbine/Compressor Modulating Bypass Valve								-	-
A8.18.6.13. Turbine/Compressor Modulating Shut off Valve	*							-	-
A8.18.6.14. Water Extractor/Separator	*							-	-
A8.18.6.15. Anti-Fog Heat Exchanger								-	-
A8.18.6.16. Anti-Fog Modulating Valve								-	-
A8.18.6.17. Anti-Ice Valve								-	-
A8.18.6.18. Check Valve								-	-
A8.18.6.19. Cabin Air Circuit Controller								-	-
A8.18.6.20. Cabin Hot Air Valve								-	-
A8.18.6.21. Cabin Inlet Modulating/Shut off Valve								-	-
A8.18.6.22. Cabin Ram Air Valve								-	-
A8.18.6.23. Cabin Ram Air Valve Limit Switch								-	-

F-15 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A	B
			Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Level Course	5 Level
A8.18.6.24. Air Conditioning Control Panel								-	-
A8.18.6.25. Avionics Air Circuit Controller								-	-
A8.18.6.26. Avionics Equipment Hot Air Valve								-	-
A8.18.6.27. Avionics Cold Air Modulating Valve								-	-
A8.18.6.28. Avionics Cooling Monitor Unit								-	-
A8.18.6.29. Avionics Flow Control Modulating Valve								-	-
A8.18.6.30. Displays Cooling Differential Pressure Switch								-	-
A8.18.6.31. Overboard Heat Exchanger								-	-
A8.18.6.32. ICMS Cooling Control Valve								-	-
A8.18.6.33. Sensors								-	-
A8.18.6.34. Ducting								-	-
A8.18.6.35. Anti-G Valve								-	-
A8.18.7. Perform leakage checks	*							-	-
A8.18.8. Service Cooling Turbine	*							-	-
A8.19. PRESSURIZATION SYSTEM TR: T.O. 1F-15C/D/E-2-21 series T.O. 8 series component									
A8.19.1. Operational fundamentals									
A8.19.1.1. Aircraft Pressurization System								-	-
A8.19.1.2. Canopy Seal Pressurization System								-	-
A8.19.2. Perform operational check									
A8.19.2.1. Aircraft Pressurization System	*							-	-
A8.19.2.2. Canopy Seal Pressurization System	*							-	-
A8.19.3. Troubleshoot									
A8.19.3.1. Aircraft Pressurization System		*						-	-
A8.19.3.2. Canopy Seal Pressurization System		*						-	-
A8.19.4. Inspect system components		*						-	-
A8.19.5. Remove/Install components									
A8.19.5.1. Safety Valve								-	-
A8.19.5.2. Cabin Pressure Regulator	*							-	-
A8.19.5.3. Canopy Seal								-	-
A8.19.5.4. Canopy Seal Pressure Regulator	*							-	-
A8.20. LIQUID COOLANT SYSTEM TR: T.O. 1F-15C/D/E-2-21 series T.O. 8 series component									
A8.20.1. Operational fundamentals								-	-
A8.20.2. Perform operational check	*							-	-
A8.20.3. Troubleshoot		*						-	-
A8.20.4. Inspect system components		*						-	-

F-15 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A	B
			Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Level Course	5 Level
A8.20.5. Remove/Install components									
A8.20.5.1. Pump/Reservoir	*							-	-
A8.20.5.2. Distribution Manifold								-	-
A8.20.5.3. Servicing Manifold								-	-
A8.20.6. Service LCSPump	*							-	-
A8.21. LIQUID OXYGEN SYSTEM TR: T.O. 1F-15C/D-2-35 series T.O. 8 series component T.O. 15X1-1 T.O. 42B5-1-1 T.O. 42E1-1-2 AFI 91-203									
A8.21.1. Operational fundamentals								-	-
A8.21.2. Perform operational check	*							-	-
A8.21.3. Troubleshoot		*						-	-
A8.21.4. Inspect system components		*						-	-
A8.21.5. Purge									
A8.21.5.1. System	*							-	-
A8.21.5.2. Converter	*							-	-
A8.21.6. Remove/Install components									
A8.21.6.1. Converter	*							-	-
A8.21.6.2. Oxygen Gauge	*							-	-
A8.21.6.3. Oxygen Regulator	*							-	-
A8.21.7. Repair Converter	*							-	-
A8.21.8. Perform leak check	*							-	-
A8.21.9. Drain Converter	*							-	-
A8.21.10. Service Converter	*							-	-
A8.22. EMERGENCY BAILOUT BOTTLES									
A8.22.1. Inspect								-	-
A8.22.2. Repair								-	-
A8.22.3. Purge								-	-
A8.22.4. Service								-	-
A8.22.5. Perform leak check								-	-
A8.23. MOLECULAR SIEVE OXYGEN GENERATING SYSTEM (MSOGS) TR: T.O. 1F-15E-2-35 series									
A8.23.1. Operational fundamentals								-	-
A8.23.2. Perform operational check	*							-	-
A8.23.3. Troubleshoot		*						-	-
A8.23.4. Inspect system components		*						-	-

F-15 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A8.23.5. Perform system hot purge	*							-	-
A8.23.6. Remove/Install components									
A8.23.6.1. Concentrator	*							-	-
A8.23.6.2. Oxygen Regulator	*							-	-
A8.23.6.3. Tubing								-	-
A8.23.6.4. Bit Panel								-	-
A8.23.6.5. Filter								-	-

F-16 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
ATTACHMENT 9 NOTE 1: In addition to attachment 2, the tasks and knowledge in attachment 9 will be performed by personnel assigned to maintain F-16 aircraft NOTE 2: Users are responsible for annotating training references to identify current references pending STS revision. NOTE 3: Address comments and recommended changes through the MAJCOM Functional Managers to the AETC Training Manager, DSN 736-6297.									
A9.1. METERS AND TESTERS TR: Applicable 33 series TOs									
A9.1.1. Use ECS tester	*							-	-
A9.1.2. Use sonic leak detector								-	-
A9.1.3. Use cockpit cabin pressure leakage tester	*							-	-
A9.1.4. Use anti-skid tester								-	-
A9.1.5. Use bonding meter								-	-
A9.1.6. Use USM-128								-	-
A9.1.7. Use EPU maintenance test set								-	-
A9.1.8. Use Enhanced Diagnostics Unit (EDNA)/ Viper Memory Load Verifier (V-MLV)								-	-
A9.1.9. Use Oxygen Regulator/Tester	*							-	-
A9.2. AIR CONDITIONING SYSTEM, COMPRESSION TR: T.O. 1F-16C/D/CG/CJ-2-21 series T.O. 15 series									
A9.2.1. Operational fundamentals								-	-
A9.2.2. Perform Operational check	*							-	-
A9.2.3. Troubleshoot		*						-	-
A9.2.4. Inspect		*						-	-
A9.2.5. Remove/Install Components									
A9.2.5.1. Low Stage Valve	*							-	-
A9.2.5.2. High Stage Valve	*							-	-
A9.2.5.3. Bleed Air Check Valve	*							-	-
A9.2.5.4. Variable Air Pressure Regulator (VAPR)								-	-
A9.2.5.5. Environmental Control Sensor/ Digital Controller								-	-
A9.2.5.6. Servo Air Filter Element								-	-
A9.2.5.7. Other system Components								-	-
A9.2.6. Repair Components								-	-
A9.2.7. Perform Leak Checks	*							-	-
A9.2.8. Bench check Components								-	-
A9.3. AIR CONDITIONING SYSTEM, DISTRIBUTION TR: T.O. 1F-16C/D/CG/CJ-2-21 series T.O. 15 series									
A9.3.1. Operational fundamentals								-	-
A9.3.2. Perform operational check	*							-	-
A9.3.3. Troubleshoot		*						-	-

F-16 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A9.3.4. Inspect		*						-	-
A9.3.5. Remove/Install Components									
A9.3.5.1. Electronic Equipment Sensors Controller	*							-	-
A9.3.5.2. Priority Valve								-	-
A9.3.5.3. Electronic Cooling Mod Valve								-	-
A9.3.5.4. Cold Air Shut off Drive Valve								-	-
A9.3.5.5. Radar Cooling Shut off Valve								-	-
A9.3.5.6. Other system Components								-	-
A9.3.6. Perform leakage checks								-	-
A9.4. AIR CONDITIONING SYSTEM, PRESSURIZATION TR: T.O. 1F-16C/D/CG/CJ-2-21 series T.O. 15 series									
A9.4.1. Operational fundamentals									
A9.4.1.1. Aircraft Pressurization System								-	-
A9.4.1.2. Canopy Seal Pressurization System								-	-
A9.4.1.3. Anti-G Suit System								-	-
A9.4.2. Perform operational Check									
A9.4.2.1. Pressurization system	*							-	-
A9.4.2.2. Canopy Seal	*							-	-
A9.4.2.3. Anti-G	*							-	-
A9.4.2.4. Other system Components								-	-
A9.4.3. Troubleshoot		*						-	-
A9.4.4. Inspect		*						-	-
A9.4.5. Remove/Install Components									
A9.4.5.1. Canopy Seal Filter Element								-	-
A9.4.5.2. Canopy Seal	*							-	-
A9.4.5.3. Canopy Seal Regulator	*							-	-
A9.4.5.4. Anti-G Valve								-	-
A9.4.5.5. Cabin Pressure Regulator								-	-
A9.4.5.6. Cabin Pressure Relief And Dump Valve								-	-
A9.4.5.7. Other system Components								-	-
A9.4.6. Repair Components								-	-
A9.4.7. Perform leakage checks	*							-	-
A9.4.8. Bench check Components								-	-
A9.5. AIR CONDITIONING SYSTEM, COOLING TR: T.O. 1F-16C/D/CG/CJ-2-21 series T.O. 15 series									
A9.5.1. Operational fundamentals								-	-

F-16 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A9.5.2. Perform operational check	*							-	-
A9.5.3. Troubleshoot		*						-	-
A9.5.4. Inspect		*						-	-
A9.5.5. Remove/Install Components									
A9.5.5.1. Water Separator Coalescer	*							-	-
A9.5.5.2. Cooling Air Turbine Compressor	*							-	-
A9.5.5.3. Regenerative Heat Exchanger	*							-	-
A9.5.5.4. Primary and Secondary Heat Exchanger								-	-
A9.5.5.5. Water Separator Anti-Ice Modulating Valve								-	-
A9.5.5.6. Hot Air Sensor Controller								-	-
A9.5.5.7. Hot Air Control Valve								-	-
A9.5.5.8. Other system Components								-	-
A9.5.6. Repair Components								-	-
A9.5.7. Perform Leakage checks	*							-	-
A9.6. AIR CONDITIONING SYSTEM, TEMPERATURE CONTROL TR: T.O. 1F-16C/D/CG/CJ-2-21 series T.O. 8 series									
A9.6.1. Operational fundamentals								-	-
A9.6.2. Perform operational check	*							-	-
A9.6.3. Troubleshoot		*						-	-
A9.6.4. Inspect		*						-	-
A9.6.5. Remove/Install Components									
A9.6.5.1. Cabin Temperature Sensor/Controller	*							-	-
A9.6.5.2. Cabin Temperature Control Valve								-	-
A9.6.5.3. Air Conditioning Control Panel	*							-	-
A9.6.5.4. Cabin Temperature Sensor Fan								-	-
A9.6.5.5. Cabin Temperature Sensor								-	-
A9.6.5.6. Defog Switches								-	-
A9.6.5.7. Other system Components								-	-
A9.6.6. Repair Components								-	-
A9.6.7. Bench check Components								-	-
A9.7. AC ELECTRICAL POWER SYSTEM TR: T.O. 1F-16C/D/CG/CJ-2-24 series T.O. 8 series									
A9.7.1. Operational fundamentals								-	-
A9.7.2. Perform operational check	*							-	-
A9.7.3. Troubleshoot		*						-	-
A9.7.4. Inspect		*						-	-

F-16 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A9.7.5. Remove/Install Components									
A9.7.5.1. CSD/GEN	*							-	-
A9.7.5.2. Main GCU	*							-	-
A9.7.5.3. Standby Generator	*							-	-
A9.7.5.4. Standby GCU	*							-	-
A9.7.5.5. Standby Generator Converter								-	-
A9.7.5.6. Over Current Protection Panels								-	-
A9.7.5.7. Main Bus Power Contactors								-	-
A9.7.5.8. Other system Components								-	-
A9.7.6. Repair Components								-	-
A9.7.7. Bench check Components								-	-
A9.8. DC ELECTRICAL POWER SYSTEM TR: T.O. 1F-16C/D/CG/CJ-2-24 series T.O. 16 series									
A9.8.1. Operational fundamentals								-	-
A9.8.2. Perform operational check	*							-	-
A9.8.3. Troubleshoot		*						-	-
A9.8.4. Inspect		*						-	-
A9.8.5. Remove/Install Components									
A9.8.5.1. DC Converters								-	-
A9.8.5.2. Battery Charger Control Unit (BCCU)	*							-	-
A9.8.5.3. Aircraft Battery	*							-	-
A9.8.6. Repair Components								-	-
A9.8.7. Bench check Components								-	-
A9.9. EXTERNAL ELECTRICAL POWER SYSTEM TR: T.O. 1F-16C/D/CG/CJ-2-24 series									
A9.9.1. Operational fundamentals								-	-
A9.9.2. Perform operational check	*							-	-
A9.9.3. Apply external power	*							-	-
A9.9.4. Remove external power	*							-	-
A9.9.5. Lubricate External Power Receptacle	*							-	-
A9.9.6. Troubleshoot		*						-	-
A9.9.7. Inspect		*						-	-
A9.9.8. Remove/Install Components									
A9.9.8.1. External Power Receptacle								-	-
A9.9.8.2. External Power Monitor								-	-
A9.9.9. Repair Components								-	-
A9.9.10. Bench check components								-	-

F-16 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A9.10. ELECTRICAL POWER SYSTEM, DISTRIBUTION TR: T.O. 1F-16C/D/CG/CJ-2-24 series									
A9.10.1. Operational fundamentals								-	-
A9.10.2. Perform operational check	*							-	-
A9.10.3. Troubleshoot		*						-	-
A9.10.4. Inspect		*						-	-
A9.10.5. Remove/Install Components								-	-
A9.11. OVERHEAT/FIRE WARNING SYSTEM TR: T.O. 1F-16C/D/CG/CJ-2-26 series T.O. 8 series									
A9.11.1. Operational fundamentals								-	-
A9.11.2. Perform operational check	*							-	-
A9.11.3. Troubleshoot		*						-	-
A9.11.4. Inspect		*						-	-
A9.11.5. Remove/Install Components									
A9.11.5.1. Fire Detection Set Control Unit								-	-
A9.11.5.2. Overheat Detection Set Control Unit								-	-
A9.11.5.3. Fire And Overheat Sensing Elements	*							-	-
A9.11.6. Repair Components								-	-
A9.12. FUEL INERTING SYSTEM TR: T.O. 1F-16C/D/CG/CJ-2-26 series T.O. 6 series									
A9.12.1. Operational fundamentals								-	-
A9.12.2. Perform operational check	*							-	-
A9.12.3. Troubleshoot		*						-	-
A9.12.4. Inspect		*						-	-
A9.12.5. Remove/Install Components								-	-
A9.12.6. Repair Components								-	-
A9.12.7. Service Halon Bottle									
A9.12.7.1. Service with Nitrogen	*							-	-
A9.12.7.2. Service with Halon								-	-
A9.12.8. Bench check Components								-	-
A9.13. FLIGHT CONTROL SYSTEMS, SPEEDBRAKES TR: T.O. 1F-16C/D/CG/CJ-2-27 series									
A9.13.1. Operational fundamentals								-	-
A9.13.2. Perform operational check	*							-	-
A9.13.3. Troubleshoot		*						-	-
A9.13.4. Inspect		*						-	-

F-16 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A9.13.5. Remove/Install Components									
A9.13.5.1. 43-degree switch								-	-
A9.13.5.2. Speed Brake Close PositionSwitch								-	-
A9.14. FUEL SYSTEM, DISTRIBUTION TR: T.O. 1F-16C/D/CG/CJ-2-28 series T.O. 6 series T.O. 16 series									
A9.14.1. Operational fundamentals									
A9.14.1.1. Aerial Refuel System								-	-
A9.14.1.2. Engine Fuel Shut off								-	-
A9.14.1.3. Fuel Distribution								-	-
A9.14.2. Perform operational check									
A9.14.2.1. Fuel Shut off Valve	*							-	-
A9.14.2.2. Other system components								-	-
A9.14.3. Troubleshoot		*						-	-
A9.14.4. Inspect		*						-	-
A9.14.5. Remove/Install Components								-	-
A9.14.6. Repair Components								-	-
A9.14.7. Bench check components								-	-
A9.15. LANDING GEAR EXTENTION AND RETRACTION TR: T.O. 1F-16C/D/CG/CJ-2-32 series T.O. 8 series									
A9.15.1. Operational fundamentals								-	-
A9.15.2. Perform operational check	*							-	-
A9.15.3. Troubleshoot		*						-	-
A9.15.4. Inspect		*						-	-
A9.15.5. Remove/Install Components									
A9.15.5.1. Landing Gear Control Handle	*							-	-
A9.15.5.2. Landing Gear Control Panel	*							-	-
A9.15.5.3. Other system Components								-	-
A9.15.6. Repair Components								-	-
A9.15.7. Bench check Components								-	-
A9.16. LANDING GEAR WHEELS AND BRAKES TR: T.O. 1F-16C/D/CG/CJ-2-32 series									
A9.16.1. Operational fundamentals								-	-
A9.16.2. Perform operational check	*							-	-
A9.16.3. Troubleshoot		*						-	-
A9.16.4. Inspect		*						-	-

F-16 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A9.16.5. Remove/Install Components									
A9.16.5.1. Brake Control/Anti-Skid Assembly	*							-	-
A9.16.5.2. Main Weight On Wheel Switch								-	-
A9.16.5.3. Wheel Speed Sensor/Transducer	*							-	-
A9.16.5.4. Other system components								-	-
A9.17. NOSE WHEEL STEERING SYSTEM TR: T.O. 1F-16C/D/CG/CJ-2-32 series T.O. 4 series									
A9.17.1. Operational fundamentals								-	-
A9.17.2. Perform operational check	*							-	-
A9.17.3. Adjust Feedback Potentiometer	*							-	-
A9.17.4. Troubleshoot		*						-	-
A9.17.5. Inspect		*						-	-
A9.17.6. Remove/Install Components									
A9.17.6.1. Feedback Potentiometer	*							-	-
A9.17.6.2. Command Potentiometer								-	-
A9.17.6.3. Steering Control Box	*							-	-
A9.17.6.4. Nose Landing Gear Weight-On-Wheel Switch	*							-	-
A9.17.6.5. Other system Components								-	-
A9.18. LANDING GEAR POSITION AND WARNING TR: T.O. 1F-16C/D/CG/CJ-2-32 series T.O. 8 series									
A9.18.1. Operational fundamentals								-	-
A9.18.2. Perform operational check	*							-	-
A9.18.3. Troubleshoot		*						-	-
A9.18.4. Inspect		*						-	-
A9.18.5. Remove/Install Components									
A9.18.5.1. MLG Down Lock Switch	*							-	-
A9.18.5.2. NLG Down Lock Switch	*							-	-
A9.18.5.3. MLG Up Lock switch	*							-	-
A9.18.6. Repair Components								-	-
A9.18.7. Bench check Components								-	-
A9.19. ARRESTING HOOK TR: T.O. 1F-16C/D/CG/CJ-2-32 series									
A9.19.1. Operational fundamentals								-	-
A9.19.2. Perform operational check	*							-	-
A9.19.3. Troubleshoot		*						-	-
A9.19.4. Inspect		*						-	-

F-16 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A9.19.5. Remove/Install Up Lock Switch								-	-
A9.20. INTERNAL LIGHTING SYSTEM TR: T.O. 1F-16C/D/CG/CJ-2-33 series T.O. 8 series									
A9.20.1. Operational fundamentals									
A9.20.1.1. Internal Cockpit Lighting System								-	-
A9.20.1.2. Master Caution/Warning System								-	-
A9.20.2. Perform operational check	*							-	-
A9.20.3. Troubleshoot		*						-	-
A9.20.4. Inspect		*						-	-
A9.20.5. Remove/Install Components								-	-
A9.20.6. Repair Components								-	-
A9.20.7. Bench check Components								-	-
A9.21. EXTERNAL LIGHTING SYSTEM TR: T.O. 1F-16C/D/CG/CJ-2-33 series T.O. 8 series									
A9.21.1. Operational fundamentals								-	-
A9.21.2. Perform operational check	*							-	-
A9.21.3. Troubleshoot		*						-	-
A9.21.4. Inspect		*						-	-
A9.21.5. Remove/Install Components								-	-
A9.21.6. Repair Components								-	-
A9.21.7. Bench check Components								-	-
A9.22. LIQUID OXYGEN SYSTEM TR: T.O. 1F-16C/D/CG/CJ-2-35 series T.O. 15 series									
A9.22.1. Operational fundamentals								-	-
A9.22.2. Perform operational check									
A9.22.2.1. 60/180 day oxygen regulator	*							-	-
A9.22.2.2. Oxygen system tubing purge	*							-	-
A9.22.2.3. Hot purge liquid oxygen converter	*							-	-
A9.22.2.4. Other system operational checks								-	-
A9.22.3. Troubleshoot		*						-	-
A9.22.4. Inspect		*						-	-
A9.22.5. Remove/Install Components									
A9.22.5.1. Converter	*							-	-
A9.22.5.2. Regulator	*							-	-
A9.22.5.3. Other system Components								-	-

F-16 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A9.22.6. Perform leak checks	*							-	-
A9.22.7. Clean Components	*							-	-
A9.22.8. Bench check Components								-	-
A9.23. ON BOARD OXYGEN GENERATING SYSTEM (OBOGS) TR: T.O. 1F-16C/D/CG/CJ-2-35 series T.O. 15 series									
A9.23.1. Operational fundamentals								-	-
A9.23.2. Perform operational check	*							-	-
A9.23.3. Troubleshoot		*						-	-
A9.23.4. Inspect		*						-	-
A9.23.5. Remove/Install Components									
A9.23.5.1. OBOGS Concentrator								-	-
A9.23.5.2. OBOGS Monitor								-	-
A9.23.5.3. Oxygen Regulator OBOGS	*							-	-
A9.24. ELECTRICAL PANELS AND MULTIPURPOSE COMPONENTS TR: T.O. 1F-16C/D/CG/CJ-2-39 series T.O. 8 series T.O. 16 series									
A9.24.1. Perform operational check								-	-
A9.24.2. Troubleshoot		*						-	-
A9.24.3. Inspect		*						-	-
A9.24.4. Remove/Install Components								-	-
A9.24.5. Repair Components								-	-
A9.24.6. Bench check Components								-	-
A9.25. EMERGENCY POWER SYSTEM TR: T.O. 1F-16C/D/CG/CJ-2-24 series T.O. 8 series T.O. 9 series									
A9.25.1. Operational fundamentals								-	-
A9.25.2. Hydrazine safety								-	-
A9.25.3. Perform operational check									
A9.25.3.1. EPU auto manual start signal	*							-	-
A9.25.3.2. EPU mono-propellant mode	*							-	-
A9.25.3.3. EPU bleed air mode	*							-	-
A9.25.3.4. EPU safe for maintenance	*							-	-
A9.25.3.5. Other systems								-	-
A9.25.4. Troubleshoot		*						-	-
A9.25.5. Inspect		*						-	-

F-16 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A9.25.6. Remove/Install Components									
A9.25.6.1. EPU Speed Controller	*							-	-
A9.25.6.2. EPU Bleed Air Regulator Shut off Valve	*							-	-
A9.25.6.3. Other system Components								-	-
A9.25.7. Repair Components								-	-
A9.25.8. Bench check Components								-	-
A9.26. ENGINE ST ART ING SYST EM TR: T.O. 1F-16C/D/CG/CJ-2-70 series T.O. 8 series									
A9.26.1. Operational fundamentals								-	-
A9.26.2. Perform operational check									
A9.26.2.1. Jet fuel starter weight-on-wheels								-	-
A9.26.2.2. Other system operational checks								-	-
A9.26.3. Troubleshoot		*						-	-
A9.26.4. Inspect		*						-	-
A9.26.5. Remove/Install Components								-	-
A9.26.6. Repair Components								-	-
A9.26.7. Bench check components								-	-
A9.27. CANOPY ACT UATION SYST EM TR: T.O. 1F-16C/D/CG/CJ-2-95 series T.O. 8 series T.O. 16 series									
A9.27.1. Operational fundamentals								-	-
A9.27.2. Perform operational check	*							-	-
A9.27.3. Troubleshoot		*						-	-
A9.27.4. Inspect		*						-	-
A9.27.5. Remove/Install Components								-	-

KC-10 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A	B
	5	7	Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Level	5 Level
ATTACHMENT 10 NOTE 1: In addition to attachment 2, the tasks and knowledge in attachment 10 will be performed by personnel assigned to maintain KC-10 aircraft. NOTE 2: Users are responsible for annotating training references to identify current references pending ST Srevision. NOTE 3: Address comments and recommended changes through Unit Training Managers to the MAJCOM Maintenance Training Manager @ HQ AMC/A4MMT, 402 Scott Drive, Unit 2A2, Scott AFB, IL 62225-5308; or call DSN 576-4787. MAJCOM Training and Functional Managers forward inputs to the AETC Training Manager, DSN 736-6297.									
A10.1. AC POWER SYSTEM TR: T.O. 1C-10(K)A-2-24-00 T.O. 1C-10(K)A-2-24-20									
A10.1.1. Operational fundamentals									
A10.1.1.1. 400 Hertz AC generator system								-	-
A10.1.1.2. Emergency AC power system								-	-
A10.1.2. Perform operational check TR: T.O. 1C-10(K)A-2-24-20 T.O. 1C-10(K)A-2-24-24									
A10.1.2.1. AC generator system	*							-	-
A10.1.2.2. Emergency AC power system	*							-	-
A10.1.3. Troubleshoot AC power system		*						-	-
A10.1.4. Inspect TR: T.O. 1C-10(K)A-2-24-21 T.O. 1C-10(K)A-2-24-24 T.O. 1C-10(K)A-2-24-50									
A10.1.4.1. Generator control unit/bus control unit		*						-	-
A10.1.4.2. AC power relays (generator, bus tie, aux. power, ground service and ext. power)		*						-	-
A10.1.4.3. Remote control circuit breakers								-	-
A10.1.4.4. 1200 VA static inverter								-	-
A10.1.4.5. CSD load controller								-	-
A10.1.4.6. Aircraft AC generator		*						-	-
A10.1.5. Remove/Install components TR: T.O. 1C-10(K)A-2-24-21 T.O. 1C-10(K)A-2-24-24 T.O. 1C-10(K)A-2-24-50									
A10.1.5.1. Generator control unit/bus control unit	*							-	-
A10.1.5.2. AC power relays (generator, bus tie, aux power, ground service and external power)								-	-
A10.1.5.3. Remote control circuit breakers								-	-
A10.1.5.4. 1200 VA static inverter								-	-
A10.1.5.5. CSD load controller								-	-
A10.1.5.6. Aircraft AC generator								-	-
A10.1.6. Bench check TR: T.O. 1C-10(K)A-2-24-10									
A10.1.6.1. Adjust Constant Speed Drive (CSD) basic speed								-	-

KC-10 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A	B
			Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Level Course	5 Level
A10.2. DC POWER SYSTEM TR: T.O. 1C-10(K)A-2-24-30									
A10.2.1. Operational fundamentals									
A10.2.1.1. DC power cross tie system								-	-
A10.2.2. Perform operational check TR: T.O. 1C-10(K)A-2-24-30									
A10.2.2.1. Aircraft battery charging system	*							-	-
A10.2.2.2. DC power cross tie system								-	-
A10.2.3. Troubleshoot TR: T.O. 1C-10(K)A-2-24FI									
A10.2.3.1. Aircraft battery charging system								-	-
A10.2.4. Inspect TR: T.O. 1C-10(K)A-2-24 T.O. 1C-10(K)A-2-24-31									
A10.2.4.1. Transformer rectifier unit								-	-
A10.2.4.2. Charger		*						-	-
A10.2.4.3. Batteries		*						-	-
A10.2.5. Remove/Install components TR: T.O. 1C-10(K)A-2-24 T.O. 1C-10(K)A-2-24-31									
A10.2.5.1. Transformer rectifier unit								-	-
A10.2.5.2. Charger	*							-	-
A10.2.5.3. Batteries	*								
A10.2.5.4. Bench check components								-	-
A10.3. EXTERNAL POWER SYSTEM TR: T.O. 1C-10(K)A-2-24-20 T.O. 1C-10(K)A-2-24-40									
A10.3.1. Operational fundamentals								-	-
A10.3.2. Perform operational check	*							-	-
A10.3.3. Troubleshoot		*						-	-
A10.3.4. Inspect system components		*						-	-
A10.3.5. Remove/Install components								-	-
A10.3.6. Repair components								-	-
A10.4. LIGHTING SYSTEM TR: T.O. 1C-10(K)A-2-33-51									
A10.4.1. Operational fundamentals									
A10.4.1.1. Emergency lighting operational fundamentals								-	-
A10.4.2. Perform operational check TR: T.O. 1C-10(K)A-2-33-51									
A10.4.2.1. Emergency lighting system	*							-	-

KC-10 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A	B
			Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Level Course	5 Level
A10.4.2.2. Internal lighting systems								-	-
A10.4.2.3. External lighting systems								-	-
A10.4.3. Troubleshoot TR: T.O. 1C-10(K)A-2-33FI									
A10.4.3.1. Internal Lighting Systems		*						-	-
A10.4.3.2. External Lighting Systems		*						-	-
A10.4.4. Inspect TR: T.O. 1C-10(K)A-2-33-45 T.O. 1C-10(K)A-2-33-47 T.O. 1C-10(K)A-2-33-49 T.O. 1C-10(K)A-2-33-51									
A10.4.4.1. Solid state dimmer								-	-
A10.4.4.2. Anti-collision light power supply								-	-
A10.4.4.3. High intensity light controller								-	-
A10.4.4.4. Emergency lights battery power supply		*						-	-
A10.4.5. Remove/Install components TR: TO 1C-10(K)A-2-33 T.O. 1C-10(K)A-2-33-45 T.O. 1C-10(K)A-2-33-47 T.O. 1C-10(K)A-2-33-49 T.O. 1C-10(K)A-2-33-51									
A10.4.5.1. Solid state dimmer								-	-
A10.4.5.2. Anti-collision light power supply								-	-
A10.4.5.3. High intensity light controller								-	-
A10.4.5.4. Emergency lights battery power supply	*							-	-
A10.4.5.5. Light bulbs								-	-
A10.4.6. Repair components								-	-
A10.5. LANDING GEAR SYSTEM TR: T.O. 1C-10(K)A-2-32									
A10.5.1. Operational fundamentals								-	-
A10.5.2. Perform operational check TR: T.O. 1C-10(K)A-2-32-61									
A10.5.2.1. BITE check of proximity electronics unit	*							-	-
A10.5.3. Troubleshoot system								-	-
A10.5.4. Inspect system components		*						-	-
A10.5.5. Remove/Install components TR: T.O. 1C-10(K)A-2-32-61									
A10.5.5.1. Landing gear position and warning proximity electronics unit								-	-
A10.5.5.2. Landing gear position indicator								-	-
A10.5.5.3. Proximity sensors/position switches								-	-

KC-10 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A	B
	5	7	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Level Course	5 Level
A10.6. ANTI-SKID SYSTEM TR: T.O. 1C-10(K)A-2-32									
A10.6.1. Operational fundamentals								-	-
A10.6.2. Operational check TR: T.O. 1C-10(K)A-2-32-45									
A10.6.2.1. Perform BITE test of anti-skid control box	*							-	-
A10.6.3. Troubleshoot anti-skid system								-	-
A10.6.4. Inspect TR: T.O. 1C-10(K)A-2-32-45 T.O. 1C-10(K)A-2-32-45									
A10.6.4.1. Anti-skid control box								-	-
A10.6.4.2. Anti-skid wheel speed transducer		*						-	-
A10.6.5. Remove/Install components TR: T.O. 1C-10(K)A-2-32-45 T.O. 1C-10(K)A-2-32-45									
A10.6.5.1. Anti-skid control box								-	-
A10.6.5.2. Anti-skid wheel speed transducer								-	-
A10.6.6. Repair components								-	-
A10.7. PRIMARY AND SECONDARY FLIGHT CONTROL SYSTEMS									
A10.7.1. Operational fundamentals TR: T.O. 1C-10(K)A-2-27-60 T.O. 1C-10(K)A-2-27FI T.O. 1C-10(K)A-2-27-63									
A10.7.1.1. Auto-spoiler system								-	-
A10.7.2. Perform Auto-spoiler system operational check	*							-	-
A10.7.3. Troubleshoot Auto-spoiler system								-	-
A10.7.4. Inspect TR: T.O. 1C-10(K)A-2-27-63									
A10.7.4.1. Auto-spoiler control box								-	-
A10.7.5. Remove/Install components TR: T.O. 1C-10(K)A-2-27-63									
A10.7.5.1. Auto-spoiler control box								-	-
A10.8. OVERHEAT/FIRE WARNING SYSTEM TR: T.O. 1C-10(K)A-2-26									
A10.8.1. Operational fundamentals								-	-
A10.8.2. Perform operational check	*							-	-
A10.8.3. Troubleshoot system								-	-
A10.8.4. Inspect system components		*						-	-
A10.8.5. Remove/Install components								-	-
A10.8.6. Repair components								-	-

KC-10 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A	B
			Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Level Course	5 Level
A10.8.7. Operate smoke detection system	*							-	-
A10.8.8. Operate fire detection system (A and B loops)								-	-
A10.9. FIRE EXTINGUISHING SYSTEM TR: T.O. 1C-10(K)A-2-26									
A10.9.1. Operational fundamentals								-	-
A10.9.2. Perform operational check	*							-	-
A10.9.3. Troubleshoot system								-	-
A10.9.4. Inspect system components		*						-	-
A10.9.5. Remove/Install components								-	-
A10.9.5.1. Squib cartridges	*							-	-
A10.9.6. Repair components								-	-
A10.10. MASTER CAUTION/WARNING SYSTEM TR: T.O. 1C-10(K)A-2-32 T.O. 1C-10(K)A-2-33									
A10.10.1. Operational fundamentals								-	-
A10.10.2. Perform operational check	*							-	-
A10.10.3. Troubleshoot system								-	-
A10.10.4. Inspect TR: T.O. 1C-10(K)A-2-32-61 T.O. 1C-10(K)A-2-33-15									
A10.10.4.1. Master warning and caution controller								-	-
A10.10.4.2. Aux warning and caution controller								-	-
A10.10.4.3. Pilot/co-pilot overheat annunciator panel								-	-
A10.10.4.4. Landing gear position and warning proximity electronics unit								-	-
A10.10.5. Remove/Install components TR: T.O. 1C-10(K)A-2-33-15									
A10.10.5.1. Master warning and caution controller								-	-
A10.10.5.2. Aux warning and caution controller	*							-	-
A10.10.5.3. Pilot/co-pilot overheat annunciator panel								-	-
A10.10.6. Repair components								-	-
A10.11. DOOR CONTROL AND WARNING SYSTEM TR: T.O. 1C-10(K)A-2-52									
A10.11.1. Operational fundamentals								-	-
A10.11.2. Perform operational check								-	-
A10.11.3. Troubleshoot system								-	-
A10.11.4. Inspect system components								-	-
A10.11.5. Remove/Install components								-	-
A10.11.6. Repair components								-	-
A10.11.7. Operate passenger doors								-	-

KC-10 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A10.11.8. Operate cargo door								-	-
A10.11.9. Raise/lower to/from maintenance positionair refueling operators door								-	-
A10.12. FUEL WARNING AND CONTROL SYSTEM TR: T.O. 1C-10(K)A-2-28									
A10.12.1. Operational fundamentals								-	-
A10.12.2. Perform operational check								-	-
A10.12.3. Troubleshoot system								-	-
A10.12.4. Inspect system components								-	-
A10.12.5. Remove/Install components TR: T.O. 1C-10(K)A-2-110-28									
A10.12.5.1. Flight engineer's fuel panel switches								-	-
A10.12.6. Repair components TR: T.O. 1C-10(K)A-2-110-28									
A10.12.6.1. Flight engineer's fuel panel switches								-	-
A10.13. START AND IGNITION SYSTEM TR: T.O. 1C-10(K)A-2-74									
A10.13.1. Operational fundamentals								-	-
A10.13.2. Perform operational check								-	-
A10.13.3. Troubleshoot system								-	-
A10.13.4. Inspect system components								-	-
A10.13.5. Remove/Install components								-	-
A10.13.6. Repair components								-	-
A10.14. ANTI-ICING SYSTEMS									
A10.14.1. NESA Anti-icing System TR: T.O. 1C-10(K)A-2-30									
A10.14.1.1. Operational fundamentals								-	-
A10.14.1.2. Perform operational check	*							-	-
A10.14.1.3. Troubleshoot system								-	-
A10.14.1.4. Inspect system components		*						-	-
A10.14.1.5. Remove/Install components								-	-
A10.14.2. Wing Anti-icing System TR: T.O. 1C-10(K)A-2-30									
A10.14.2.1. Operational fundamentals								-	-
A10.14.2.2. Perform operational check	*							-	-
A10.14.2.3. Troubleshoot system								-	-
A10.14.2.4. Inspect system components		*						-	-
A10.14.2.5. Remove/Install components								-	-

KC-10 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A10.14.3. Engine/Antenna Anti-icing System TR: T.O. 1C-10(K)A-2-30									
A10.14.3.1. Operational fundamentals								-	-
A10.14.3.2. Perform operational check	*							-	-
A10.14.3.3. Troubleshoot system								-	-
A10.14.3.4. Inspect system components		*						-	-
A10.14.3.5. Remove/Install components								-	-
A10.15. BLEED AIR DISTRIBUTION SYSTEM									
A10.15.1. Operational fundamentals TR: T.O. 1C-10(K)A-2-36									
A10.15.1.1. Manifold failure detection								-	-
A10.15.1.2. Manifold isolation								-	-
A10.15.2. Perform operational check TR: T.O. 1C-10(K)A-2-36									
A10.15.2.1. BITE test of pneumatic system	*							-	-
A10.15.2.2. Operate AV-102 pneumatic system tester with engines operating								-	-
A10.15.2.3. Operate VTM-111 pneumatic system tester	*							-	-
A10.15.2.4. Manifold failure detection system	*							-	-
A10.15.2.5. Perform Bleed air system operational check	*							-	-
A10.15.3. Troubleshoot bleed air distribution system								-	-
A10.15.4. Inspect TR: T.O. 1C-10(K)A-2-36									
A10.15.4.1. Pneumatic system controller								-	-
A10.15.4.2. Pressure regulator valve		*						-	-
A10.15.4.3. High pressure bleed valve		*						-	-
A10.15.4.4. Fan air valve		*						-	-
A10.15.4.5. Over pressure valve								-	-
A10.15.4.6. Pre-cooler assembly								-	-
A10.15.4.7. Regulated pressure sensor								-	-
A10.15.4.8. High stage temperature sensor								-	-
A10.15.4.9. Manifold failure detector controller								-	-
A10.15.4.10. Manifold fail press-to-test switch								-	-
A10.15.4.11. Manifold isolation valves								-	-
A10.15.4.12. Manifold fail pressure switch								-	-
A10.15.4.13. Manifold fail thermal switch								-	-
A10.15.4.14. Manifold failure detector loop elements								-	-

KC-10 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A10.15.5. Remove/Install components TR: T.O. 1C-10(K)A-2-36									
A10.15.5.1. Pneumatic system controller								-	-
A10.15.5.2. Pressure regulator valve	*							-	-
A10.15.5.3. High pressure bleed valve	*							-	-
A10.15.5.4. Fan air valve	*							-	-
A10.15.5.5. Over pressure valve								-	-
A10.15.5.6. Pre-cooler assembly								-	-
A10.15.5.7. Regulated pressure sensor								-	-
A10.15.5.8. High stage temperature sensor								-	-
A10.15.5.9. Manifold failure detector controller								-	-
A10.15.5.10. Manifold fail press-to-test switch								-	-
A10.15.5.11. Manifold isolation valves								-	-
A10.15.5.12. Manifold fail pressure switch								-	-
A10.15.5.13. Manifold fail thermal switch								-	-
A10.15.5.14. Manifold failure detector loop elements								-	-
A10.15.6. Operate bleed air system	*							-	-
A10.16. AIR CONDITIONING SYSTEM TR: T.O. 1C-10(K)A-2-21									
A10.16.1. Operational fundamentals								-	-
A10.16.2. Perform operational check TR: T.O. 1C-10(K)A-2-21									
A10.16.2.1. Pack condition indication system operational checkout								-	-
A10.16.2.2. Trim air system								-	-
A10.16.2.3. BITE test of air conditioning system	*							-	-
A10.16.3. Troubleshoot system								-	-
A10.16.4. Inspect TR: T.O. 1C-10(K)A-2-21									
A10.16.4.1. Trim air valve								-	-
A10.16.4.2. APU and pack demand temperature controller								-	-
A10.16.4.3. Zone temperature controller								-	-
A10.16.4.4. Pack temperature controller								-	-
A10.16.4.5. Zone and duct temperature sensors								-	-
A10.16.4.6. Ram air plenum								-	-
A10.16.4.7. Pack heat exchanger								-	-
A10.16.4.8. Rate of flow control valve								-	-
A10.16.4.9. Control valve		*						-	-

KC-10 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A10.16.4.10. Turbine by-pass valve								-	-
A10.16.4.11. Turbine by-pass valve/pack inlet and exhaust door actuator								-	-
A10.16.4.12. Anti-ice valve								-	-
A10.16.4.13. Pack overheat thermostat								-	-
A10.16.4.14. Equipment Cooling								-	-
A10.16.4.15. Center Accessory Compartment (CAC) fan								-	-
A10.16.4.16. CAC flow detector								-	-
A10.16.4.17. Radio rack fan								-	-
A10.16.4.18. Radio rack fan flow detector								-	-
A10.16.4.19. Inertial navigation (INU) fan								-	-
A10.16.4.20. (INU) fan start capacitor								-	-
A10.16.4.21. (INU) fan flow detector								-	-
A10.16.4.22. Center instrument panel fan								-	-
A10.16.4.23. Center instrument panel fan filter								-	-
A10.16.5. Remove/Install components TR: T.O. 1C-10(K)A-2-21 series									
A10.16.5.1. Trim air valve								-	-
A10.16.5.2. APU and pack demand temperature controller								-	-
A10.16.5.3. Zone temperature controller								-	-
A10.16.5.4. Pack temperature controller								-	-
A10.16.5.5. Zone and duct temperature sensors								-	-
A10.16.5.6. Ram air plenum								-	-
A10.16.5.7. Pack heat exchanger								-	-
A10.16.5.8. Rate of flow control valve								-	-
A10.16.5.9. Control valve	*							-	-
A10.16.5.10. Turbine by-pass valve								-	-
A10.16.5.11. Turbine by-pass valve/pack inlet and exhaust door actuator								-	-
A10.16.5.12. Anti-ice valve								-	-
A10.16.5.13. Pack overheat thermostat								-	-
A10.16.5.14. Equipment Cooling								-	-
A10.16.5.15. Center Accessory Compartment (CAC) fan								-	-
A10.16.5.16. CAC flow detector								-	-
A10.16.5.17. Radio rack fan	*							-	-
A10.16.5.18. Radio rack fan flow detector								-	-
A10.16.5.19. Inertial navigation (INU) fan								-	-
A10.16.5.20. (INU) fan start capacitor								-	-

KC-10 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A10.16.5.21. (INU) fan flow detector								-	-
A10.16.5.22. Center instrument panel fan								-	-
A10.16.5.23. Water separator coalescer	*							-	-
A10.16.5.24. Air cycle machine (ACM)	*							-	-
A10.17. PRESSURIZATION SYSTEM TR: T.O. 1C-10(K)A-2-21									
A10.17.1. Operational fundamentals								-	-
A10.17.2. Perform operational check TR: T.O. 1C-10(K)A-2-21									
A10.17.2.1. BITE test of cabin pressurization system	*							-	-
A10.17.2.2. Cabin pressurization system	*							-	-
A10.17.3. Troubleshoot system		*						-	-
A10.17.4. Inspect TR: T.O. 1C-10(K)A-2-21								-	-
A10.17.4.1. Cabin pressure controller		*						-	-
A10.17.4.2. Cabin altitude rate selector								-	-
A10.17.4.3. Cabin pressure indicator								-	-
A10.17.4.4. Thrust recovery valve actuator								-	-
A10.17.5. Remove/Install components TR: T.O. 1C-10(K)A-2-21									
A10.17.5.1. Cabin pressure controller	*							-	-
A10.17.5.2. Cabin altitude rate selector								-	-
A10.17.5.3. Cabin pressure indicator								-	-
A10.17.5.4. Thrust recovery valve actuator								-	-
A10.17.6. Repair components								-	-
A10.18. OXYGEN SYSTEM TR: T.O. 1C-10(K)A-2-35									
A10.18.1. Operational fundamentals								-	-
A10.18.2. Perform operational check	*							-	-
A10.18.3. Troubleshoot system								-	-
A10.18.4. Inspect system components		*						-	-
A10.18.5. Remove/Install components TR: T.O. 1C-10(K)A-2-35									
A10.18.5.1. Oxygen regulator	*							-	-
A10.18.5.2. Oxygen cylinder regulator/re-fill valve								-	-
A10.18.5.3. Oxygen cylinders	*							-	-
A10.18.5.4. Quantity indicator transducer								-	-
A10.18.6. Operate oxygen system								-	-

KC-10 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A10.19. AERIAL REFUELING SYSTEM TR: T.O. 1C-10(K)A-2-28									
A10.19.1. Operational fundamentals								-	-
A10.19.2. Perform operational check								-	-
A10.19.3. Troubleshoot system								-	-
A10.19.4. Inspect system components								-	-
A10.19.5. Remove/Install components								-	-
A10.19.6. Boom TR: T.O. 1C-10(K)A-2-28 Part III T.O. 1C-10(K)A-2-28CL-1									
A10.19.6.1. Boom Operation: Raise								-	-
A10.19.6.2. Boom Operation: Lower								-	-
A10.19.7. Drogue TR: T.O. 1C-10(K)A-2-28 Part III T.O. 1C-10(K)A-2-28CL-1									
A10.19.7.1. Remove/Install drogue guillotine cartridges	*							-	-
A10.20. MISCELLANEOUS SYSTEMS TR: T.O. 1C-10(K)A-2-25 T.O. 1C-10(K)A-2-30 T.O. 1C-10(K)A-2-53									
A10.20.1. Operational fundamentals								-	-
A10.20.2. Perform operational check								-	-
A10.20.3. Troubleshoot systems								-	-
A10.20.4. Inspect TR: T.O. 1C-10(K)A-2-30 T.O. 1C-10(K)A-2-53									
A10.20.4.1. Windows/windshield								-	-
A10.20.5. Remove/Install components TR: T.O. 1C-10(K)A-2-25 T.O. 1C-10(K)A-2-30 T.O. 1C-10(K)A-2-53									
A10.20.5.1. IAU exit sign								-	-
A10.20.5.2. Aircrew bunks								-	-
A10.20.5.3. Increased Accommodation Unit (IAU)								-	-
A10.20.5.4. IAU passenger oxygen								-	-
A10.20.5.5. IAU seat pallets								-	-
A10.20.5.6. Cargo barrier net								-	-
A10.20.5.7. IAU "Z" lav/storage cabinet								-	-
A10.20.5.8. Passenger chemical O2 generator	*							-	-
A10.20.5.9. Environmental curtain								-	-
A10.20.6. Repair components								-	-

KC-10 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A10.21. COMMON MAINTENANCE PRACTICES TR: T.O. 1C-10(K)A-2-36									
A10.21.1. Inspect/operate portable external electrical power unit								-	-
A10.21.2. Inspect/use ground maintenance stands								-	-
A10.21.3. Dropped Object Prevention Program (DOPP)								-	-
A10.21.4. Apply/disconnect external electrical power unit								-	-
A10.21.5. Connect/disconnect external pneumatics								-	-
A10.21.6. Operate crew member electrically operated/manual seats								-	-
A10.21.7. Operate aerial refueling operators station manual seats								-	-
A10.21.8. Operate hydraulic system using auxiliary and reversible pumps								-	-

KC-135 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A	B
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Level Course	5 Level
ATTACHMENT 11 NOTE 1: In addition to attachment 2, the tasks and knowledge in attachment 11 will be performed by personnel assigned to maintain KC-135 aircraft. NOTE 2: Users are responsible for annotating training references to identify current references pending STS revision. NOTE 3: Address comments and recommended changes through Unit Training Managers to the MAJCOM Maintenance Training Manager @ HQ AMC/A4MMT, 402 Scott Drive Unit 2A2, Scott AFB, IL 62225-5308; or call DSN 576-4787. MAJCOM Training and Functional Managers forward inputs to the AETC Training Manager, DSN 736-6297.									
A11.1. METERS AND TESTERS TR: T.O. 1C-135-2-10									
A11.1.1. Use transformer-rectifier load bank								-	-
A11.2. AC POWER SYSTEM TR: T.O. 1C-135-2-10									
A11.2.1. Operational fundamentals								-	-
A11.2.2. Perform operational check	*							-	-
A11.2.3. Troubleshoot system		*						-	-
A11.2.4. Inspect system components		*						-	-
A11.2.5. Operate load bank								-	-
A11.2.6. Service IDG									
A11.2.7. Remove/Install components									
A11.2.7.1. Generator breaker								-	-
A11.2.7.2. Integrated Drive Gear (IDG)								-	-
A11.2.7.3. Bus Power Control Unit (BPCU)	*							-	-
A11.2.7.4. Bus-Tie Circuit Breaker								-	-
A11.2.7.5. Generator Control Unit (GCU)	*							-	-
A11.2.7.6. Current Transformer								-	-
A11.2.7.7. Survivability/Vulnerability (S/V) box								-	-
A11.2.7.8. Copilot instrument power supply								-	-
A11.2.7.9. Other system components								-	-
A11.3. DC POWER SYSTEM TR: T.O. 1C-135-2-10									
A11.3.1. Operational fundamentals								-	-
A11.3.2. Perform operational check	*							-	-
A11.3.3. Troubleshoot system		*						-	-
A11.3.4. Inspect system components		*						-	-
A11.3.5. Remove/Install components									
A11.3.5.1. Transformer rectifier								-	-
A11.3.5.2. Aircraft batteries	*							-	-
A11.3.5.3. Other system components								-	-
A11.4. EXTERNAL POWER SYSTEM TR: T.O. 1C-135-2-10									
A11.4.1. Operational fundamentals								-	-

KC-135 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A11.4.2. Apply external electrical power	*							-	-
A11.4.3. Perform operational check	*							-	-
A11.4.4. Troubleshoot system		*						-	-
A11.4.5. Inspect system components		*						-	-
A11.4.6. Remove/Install components								-	-
A11.5. LIGHTING SYSTEM TR: T.O. 1C-135-2-10 T.O. 8 series									
A11.5.1. Operational fundamentals								-	-
A11.5.2. Perform operational check									
A11.5.2.1. External	*							-	-
A11.5.2.2. Internal	*							-	-
A11.5.3. Troubleshoot system	*							-	-
A11.5.4. Inspect system components		*						-	-
A11.5.5. Remove/Install components									
A11.5.5.1. Pilot director lights								-	-
A11.5.5.2. Boom/drogue lights								-	-
A11.5.5.3. Light assembly								-	-
A11.5.5.4. Power supply								-	-
A11.5.5.5. Dimmer control unit								-	-
A11.5.5.6. Flasher assembly								-	-
A11.5.5.7. Other system components								-	-
A11.5.6. Repair components								-	-
A11.5.7. Bench check components								-	-
A11.6. LANDING GEAR SYSTEM TR: T.O. 1C-135-2-7-1									
A11.6.1. Operational fundamentals								-	-
A11.6.2. Perform operational check									
A11.6.2.1. Landing gear system	*							-	-
A11.6.2.2. Safety switch								-	-
A11.6.2.3. Truck leveling switch	*							-	-
A11.6.2.4. Position A (Gear swing supervisor)		*						-	-
A11.6.2.5. Position B (Gear handle operator)	*							-	-
A11.6.2.6. Lever lock solenoid circuit checkout								-	-
A11.6.3. Troubleshoot system		*						-	-
A11.6.4. Inspect system components		*						-	-

KC-135 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A11.6.5. Remove/Install components									
A11.6.5.1. Safety switch	*							-	-
A11.6.5.2. Lever lock solenoid								-	-
A11.6.5.3. Truck leveling switch	*							-	-
A11.6.5.4. Lock switch								-	-
A11.6.5.5. Position switch								-	-
A11.6.5.6. Other system components								-	-
A11.7. ANTI-SKID SYSTEM TR: T.O. 1C-135-2-7-1									
A11.7.1. Operational fundamentals								-	-
A11.7.2. Perform operational check	*							-	-
A11.7.3. Troubleshoot system		*						-	-
A11.7.4. Inspect system components		*						-	-
A11.7.5. Remove/Install components									
A11.7.5.1. Anti-skid detector	*							-	-
A11.7.5.2. Anti-skid shield								-	-
A11.7.5.3. Other system components								-	-
A11.8. NOSE GEAR STEERING SYSTEM TR: T.O. 1C-135-2-7-1									
A11.8.1. Operational fundamentals								-	-
A11.8.2. Perform operational check								-	-
A11.8.3. Troubleshoot system		*						-	-
A11.8.4. Inspect system components		*						-	-
A11.8.5. Remove/Install components									
A11.8.5.1. Nose Gear Center Switch								-	-
A11.8.5.2. Other system components								-	-
A11.9. PRIMARY FLIGHT CONTROL SYSTEM TR: T.O. 1C-135-2-8-1									
A11.9.1. Operational fundamentals								-	-
A11.9.2. Perform operational check	*							-	-
A11.9.3. Troubleshoot system		*						-	-
A11.9.4. Inspect system components		*						-	-
A11.9.5. Remove/Install stab trim control switch								-	-
A11.10. SECONDARY FLIGHT CONTROL SYSTEM TR: T.O. 1C-135-2-8-1									
A11.10.1. Operational fundamentals								-	-
A11.10.2. Perform operational check									
A11.10.2.1. Flaps								-	-

KC-135 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A11.10.2.2. Other system components								-	-
A11.10.3. Troubleshoot									
A11.10.3.1. Flaps								-	-
A11.10.3.2. Other system components								-	-
A11.10.4. Inspect system components		*						-	-
A11.10.5. Remove/Install components								-	-
A11.11. OVERHEAT/FIRE WARNING SYSTEM TR: T.O. 1C-135-2-4-1-1									
A11.11.1. Operational fundamentals								-	-
A11.11.2. Perform operational check	*							-	-
A11.11.3. Troubleshoot system		*						-	-
A11.11.4. Inspect system components		*						-	-
A11.11.5. Remove/Install components									
A11.11.5.1. Fire detection control unit	*							-	-
A11.11.5.2. Fire handle								-	-
A11.11.5.3. Sensing elements								-	-
A11.11.5.4. APU FDCU								-	-
A11.11.5.5. APU fire shut off valve								-	-
A11.11.5.6. Other system components								-	-
A11.11.6. Bench check components								-	-
A11.12. FIRE EXTINGUISHING SYSTEM TR: T.O. 1C-135-2-2-2 T.O. 1C-135-2-16-1									
A11.12.1. Operational fundamentals									
A11.12.1.1. Engine system								-	-
A11.12.1.2. Auxiliary Power Unit (APU) system								-	-
A11.12.2. Perform operational/continuity check									
A11.12.2.1. Engine System								-	-
A11.12.2.2. Auxiliary Power Unit (APU) system								-	-
A11.12.2.3. Squib/cartridge electrical circuit	*							-	-
A11.12.3. Troubleshoot									
A11.12.3.1. Engine system								-	-
A11.12.3.2. APU system								-	-
A11.12.3.3. Other fire extinguishing system components								-	-
A11.12.4. Inspect									
A11.12.4.1. Engine system								-	-
A11.12.4.2. APU system								-	-
A11.12.4.3. Squib/Cartridge		*						-	-

KC-135 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A11.12.4.4. Other system components								-	-
A11.12.5. Remove/Install components									
A11.12.5.1. Engine fire bottle								-	-
A11.12.5.2. APU fire bottle								-	-
A11.12.5.3. Squib/cartridge	*							-	-
A11.12.5.4. Other system components								-	-
A11.13. TAKEOFF WARNING SYSTEM TR: T.O. 1C-135-2-7-1									
A11.13.1. Operational fundamentals								-	-
A11.13.2. Perform operational check								-	-
A11.13.3. Troubleshoot system		*						-	-
A11.13.4. Inspect system components		*						-	-
A11.13.5. Remove/Install components								-	-
A11.14. FUEL CONTROL SYSTEM TR: T.O. 1C-135-2-5 T.O. 1C-135-2-6-1									
A11.14.1. Operational fundamentals								-	-
A11.14.2. Perform operational check								-	-
A11.14.3. Boost pump current check								-	-
A11.14.4. Troubleshoot system		*						-	-
A11.14.5. Inspect system components		*						-	-
A11.14.6. Remove/Install components								-	-
A11.14.7. Bench check components								-	-
A11.15. CARGO DOOR CONTROL AND WARNING SYSTEM TR: T.O. 1C-135-2-2-2									
A11.15.1. Operational fundamentals								-	-
A11.15.2. Perform operational check								-	-
A11.15.3. Troubleshoot system								-	-
A11.15.4. Inspect system components								-	-
A11.15.5. Remove/Install components								-	-
A11.16. START AND IGNITION SYSTEM TR: T.O. 1C-135-2-4-1-1 T.O. 1C-135-2-16-1									
A11.16.1. Operational fundamentals								-	-
A11.16.2. Troubleshoot									
A11.16.2.1. Jet engine								-	-
A11.16.2.2. Auxiliary power unit								-	-
A11.16.3. Inspect system components								-	-
A11.16.4. Remove/Install components								-	-

KC-135 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A11.17. NESA ANTI-ICING SYSTEM TR: T.O. 1C-135-2-2-2									
A11.17.1. Operational fundamentals								-	-
A11.17.2. Perform Operational Check of System (includes resistance check)	*							-	-
A11.17.3. Troubleshoot System		*						-	-
A11.17.4. Inspect System Components		*						-	-
A11.17.5. Remove/Install components									
A11.17.5.1. Transformer								-	-
A11.17.5.2. Controller								-	-
A11.17.5.3. Thermal Switch								-	-
A11.17.5.4. Other System Components								-	-
A11.17.6. Bench check components								-	-
A11.18. BLEED AIR DISTRIBUTION SYSTEM TR: T.O. 1C-135-2-3-1									
A11.18.1. Operational fundamentals								-	-
A11.18.2. Perform operational check	*							-	-
A11.18.3. Perform leakage checks	*							-	-
A11.18.4. Troubleshoot system		*						-	-
A11.18.5. Inspect system components		*						-	-
A11.18.6. Remove/Install components									
A11.18.6.1. Bleed air duct	*							-	-
A11.18.6.2. Bleed air shut off valve								-	-
A11.18.6.3. Engine pre-cooler								-	-
A11.18.6.4. Check valves	*							-	-
A11.18.6.5. Cross over valve								-	-
A11.18.6.6. Pressure regulator								-	-
A11.18.6.7. Filters								-	-
A11.18.6.8. Other system components								-	-
A11.18.7. Repair components								-	-
A11.18.8. Hydrostatic check ducts								-	-
A11.18.9. Bench check components								-	-
A11.19. AIR CONDITIONING SYSTEM TR: T.O. 1C-135-2-3-1									
A11.19.1. Operational fundamentals								-	-
A11.19.2. Perform operational check	*							-	-
A11.19.3. Perform system leakage checks	*							-	-
A11.19.4. Service ACM								-	-
A11.19.5. Troubleshoot system		*						-	-

KC-135 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A11.19.6. Inspect system components		*						-	-
A11.19.7. Remove/Install components									
A11.19.7.1. Water separator coalescer	*							-	-
A11.19.7.2. Water separator	*							-	-
A11.19.7.3. Air Flow control valve	*							-	-
A11.19.7.4. Air conditioning shut-off valve								-	-
A11.19.7.5. Auxiliary heat valve								-	-
A11.19.7.6. Air cycle machine								-	-
A11.19.7.7. Primary heat exchanger								-	-
A11.19.7.8. Secondary heat exchanger								-	-
A11.19.7.9. Hot air bypass valve								-	-
A11.19.7.10. Temp sensor								-	-
A11.19.7.11. 35 degree control valve								-	-
A11.19.7.12. ACM pressure temperature limiting valve								-	-
A11.19.7.13. Ejector valve								-	-
A11.19.7.14. Ram Air valve								-	-
A11.19.7.15. Filters	*							-	-
A11.19.7.16. Other system components								-	-
A11.19.8. Repair components								-	-
A11.19.9. Bench check components								-	-
A11.20. PRESSURIZATION SYSTEM TR: T.O. 1C-135-2-3-1									
A11.20.1. Operational fundamentals								-	-
A11.20.2. Pressurization safety								-	-
A11.20.3. Perform operational check	*							-	-
A11.20.4. Perform Pressure Decay Check	*							-	-
A11.20.5. Perform Cabin Pressure Warning Check								-	-
A11.20.6. Troubleshoot system		*						-	-
A11.20.7. Inspect system components		*						-	-
A11.20.8. Remove/Install components									
A11.20.8.1. Outflow valve	*							-	-
A11.20.8.2. Pneumatic relay								-	-
A11.20.8.3. Auto pressure controller								-	-
A11.20.8.4. Filters								-	-
A11.20.8.5. Other system components								-	-

KC-135 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A11.21. OXYGEN SYSTEM TR: T.O. 15X1-1 T.O. 42B5-1-2 T.O. 42E1-1-1 T.O. 1C-135-2-3-1									
A11.21.1. Operational fundamentals								-	-
A11.21.2. Perform operational check	*							-	-
A11.21.3. Perform system leak check	*							-	-
A11.21.4. Troubleshoot system		*						-	-
A11.21.5. Inspect system components		*						-	-
A11.21.6. Purge system	*							-	-
A11.21.7. Remove/Install components									
A11.21.7.1. Oxygen regulator	*							-	-
A11.21.7.2. GOX bottle								-	-
A11.21.7.3. Filler valve								-	-
A11.21.7.4. Shut off valve								-	-
A11.21.7.5. Distribution tubes/hoses								-	-
A11.21.7.6. Indicator								-	-
A11.21.7.7. GOX rack assembly								-	-
A11.21.7.8. Other system components								-	-
A11.21.8. Clean system components	*							-	-
A11.22. ENGINE ANTI-ICE SYSTEM TR: T.O. 1C-135-2-4-1-1									
A11.22.1. Perform operational check								-	-
A11.22.2. Troubleshoot system								-	-
A11.22.3. Remove/Install components									
A11.22.3.1. Anti-Ice Valve								-	-
A11.22.3.2. Anti-Ice Indication Switch								-	-
A11.22.3.3. Other System Components								-	-
A11.23. MISCELLANEOUS SYSTEMS TR: T.O. 1C-135-2-2-2 T.O. 1C-135-2-3-2 T.O. 1C-135-2-4-1-1 T.O. 1C-135-2-10-1									
A11.23.1. Perform Operational Check/Operational fundamentals									
A11.23.1.1. Thermal Flash / Protection Power Sources								-	-
A11.23.1.2. Windshield Wiper								-	-
A11.23.1.3. F-108 Engine Anti-Ice								-	-
A11.23.1.4. Control Cabinet Cooling Fans								-	-
A11.23.1.5. 60 Hertz System								-	-

KC-135 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A11.23.1.6. Hydraulic Low Pressure WarningSystem								-	-
A11.23.2. Troubleshoot									
A11.23.2.1. Thermal Flash / Protection Power Sources								-	-
A11.23.2.2. Windshield Wiper								-	-
A11.23.2.3. F-108 Engine Anti-Ice								-	-
A11.23.2.4. Control Cabinet Cooling Fans								-	-
A11.23.2.5. 60 Hertz System								-	-
A11.23.2.6. Hydraulic Low Pressure WarningSystem								-	-
A11.23.3. Inspect									
A11.23.3.1. Control Cabinet Cooling Fans								-	-
A11.23.3.2. 60 Hertz System								-	-
A11.23.3.3. Hydraulic Low Pressure WarningSystem								-	-
A11.23.4. Remove/ InstallComponents									
A11.23.4.1. Thermal Flash ProtectionConditioner								-	-
A11.23.4.2. Control Cabinet Cooling Fans								-	-
A11.23.4.3. 60 Hertz Convertor								-	-
A11.23.4.4. Other Systems Components								-	-

HH-60 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
ATTACHMENT 12									
NOTE 1: In addition to attachment 2, personnel assigned to maintain H-60 aircraft will perform the tasks and knowledge in attachment 12.									
NOTE 2: Users are responsible for annotating training references to identify current references pending ST S revision.									
NOTE 3: Address comments and recommended changes through the MAJCOM Functional Managers to the AETC Training Manager, DSN 736-6297									
A12.1. AC ELECTRICAL SYSTEMS TR: T.O. 1H-60(H)G-2-4 T.O. 1H-60(H)G-2-9									
A12.1.1. Operational fundamentals								-	-
A12.1.2. Perform operational check of system	*							-	-
A12.1.3. Troubleshoot		*						-	-
A12.1.4. Inspect system components		*						-	-
A12.1.5. Remove/Install									
A12.1.5.1. Main generators								-	-
A12.1.5.2. Left hand relay panel								-	-
A12.1.5.3. Right hand relay panel								-	-
A12.1.5.4. Number 3 relay panel								-	-
A12.1.5.5. Junctions boxes								-	-
A12.1.5.6. Generator control units								-	-
A12.2. DC ELECTRICAL SYSTEMS TR: T.O. 1H-60(H)G-2-4 T.O. 1H-60(H)G-2-5 T.O. 1H-60(H)G-2-9									
A12.2.1. Operational fundamentals								-	-
A12.2.2. Perform operational check of system	*							-	-
A12.2.3. Troubleshoot		*						-	-
A12.2.4. Inspect system components		*						-	-
A12.2.5. Remove/Install									
A12.2.5.1. Battery	*							-	-
A12.2.5.2. Battery indicator panel								-	-
A12.2.5.3. Current limiter								-	-
A12.2.5.4. Converter								-	-
A12.3. EXTERNAL POWER SYSTEM TR: T.O. 1H-60(H)G-2-4 T.O. 1H-60(H)G-2-9									
A12.3.1. Operational fundamentals								-	-
A12.3.2. Perform operational check of system	*							-	-
A12.3.3. Troubleshoot		*						-	-
A12.3.4. Inspect system components		*						-	-
A12.3.5. Remove/Install									
A12.3.5.1. External power receptacle								-	-

HH-60 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A12.3.5.2. External power monitor								-	-
A12.3.5.3. Line contactor								-	-
A12.4. AUXILIARY POWER UNIT (APU) ELECTRICAL SYSTEM TR: T.O. 1H-60(H)G-2-4 T.O. 1H-60(H)G-2-5 T.O. 1H-60(H)G-2-9									
A12.4.1. Operational fundamentals								-	-
A12.4.2. Perform operational check of system								-	-
A12.4.3. Troubleshoot		*						-	-
A12.4.4. Inspect		*						-	-
A12.4.5. Remove/Install									
A12.4.5.1. Electronic sequencing unit								-	-
A12.4.5.2. Current transformer								-	-
A12.4.5.3. APU generator control unit								-	-
A12.4.5.4. APU generator								-	-
A12.5. INTERNAL/EXTERNAL LIGHTING TR: T.O. 1H-60(H)G-2-4 T.O. 1H-60(H)G-2-9									
A12.5.1. Operational fundamentals								-	-
A12.5.2. Perform operational check of internal lightingsystem	*							-	-
A12.5.3. Perform operational check of external lightingsystem	*							-	-
A12.5.4. Troubleshoot	*							-	-
A12.5.5. Inspect		*						-	-
A12.5.6. Remove/Install									
A12.5.6.1. Dimmer box								-	-
A12.5.6.2. Dimming control unit power supply								-	-
A12.5.6.3. Transformer box								-	-
A12.5.6.4. Search light assembly	*							-	-
A12.5.6.5. Overhead lighted panels								-	-
A12.5.6.6. Landing light assembly	*							-	-
A12.5.6.7. Hoist light assembly	*							-	-
A12.5.6.8. Formation lights								-	-
A12.5.6.9. Anti-collision/strobe light assembly								-	-
A12.5.6.10. Anti-collision/strobe light power supply	*							-	-
A12.5.6.11. IR light assembly	*							-	-
A12.5.6.12. Position light assembly								-	-
A12.5.6.13. Map light assembly								-	-
A12.5.6.14. Cabin dome light assembly								-	-

HH-60 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A	B
			Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Level	5 Level
								Course	
A12.6. CAUTION ADVISORY/WARNING SYSTEM TR: T.O. 1H-60(H)G-2-4 T.O. 1H-60(H)G-2-9									
A12.6.1. Operational fundamentals								-	-
A12.6.2. Perform operational check of system	*							-	-
A12.6.3. Troubleshoot	*							-	-
A12.6.4. Inspect system components		*						-	-
A12.6.5. Remove/Install									
A12.6.5.1. Caution advisory panel	*							-	-
A12.6.5.2. Master warning panel								-	-
A12.6.5.3. Audible warning unit								-	-
A12.6.5.4. Night Vision Goggles (NVG) dimming control rheostat								-	-
A12.7. WINDSHIELD WIPER SYSTEM TR: T.O. 1H-60(H)G-2-5 T.O. 1H-60(H)G-2-9									
A12.7.1. Operational fundamentals								-	-
A12.7.2. Perform operational check of system	*							-	-
A12.7.3. Troubleshoot	*							-	-
A12.7.4. Inspect system components		*						-	-
A12.7.5. Remove/Install wiper motor/transmission								-	-
A12.8. WINDSHIELD ANTI-ICE SYSTEM TR: T.O. 1H-60(H)G-2-5 T.O. 1H-60(H)G-2-9									
A12.8.1. Operational fundamentals								-	-
A12.8.2. Perform operational check of system	*							-	-
A12.8.3. Troubleshoot	*							-	-
A12.8.4. Inspect system components		*						-	-
A12.8.5. Remove/Install control unit								-	-
A12.9. HEAT AND VENTILATION SYSTEM TR: T.O. 1H-60(H)G-2-5 T.O. 1H-60(H)G-2-9									
A12.9.1. Operational fundamentals								-	-
A12.9.2. Perform operational check of system	*							-	-
A12.9.3. Troubleshoot	*							-	-
A12.9.4. Inspect system components		*						-	-
A12.9.5. Remove/Install									
A12.9.5.1. Mixing valve								-	-
A12.9.5.2. Blower unit								-	-
A12.9.5.3. Ducts								-	-

HH-60 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A12.10. ENGINE FIRE EXTINGUISHING/DETECTION SYSTEM TR: T.O. 1H-60(H)G-2-3 T.O. 1H-60(H)G-2-5 T.O. 1H-60(H)G-2-9									
A12.10.1. Operational fundamentals								-	-
A12.10.2. Perform operational check of system	*							-	-
A12.10.3. Troubleshoot		*						-	-
A12.10.4. Inspect system components		*						-	-
A12.10.5. Remove/Install									
A12.10.5.1. Control amplifier								-	-
A12.10.5.2. Detectors	*							-	-
A12.10.5.3. Fire extinguisher bottles	*							-	-
A12.10.5.4. Fire extinguisher squibs	*							-	-
A12.10.5.5. APU T-handle								-	-
A12.11. ENGINE START/IGNITION SYSTEM TR: T.O. 1H-60(H)G-2-3 T.O. 1H-60(H)G-2-9									
A12.11.1. Operational fundamentals								-	-
A12.11.2. Perform operational check of system	*							-	-
A12.11.3. Troubleshoot		*						-	-
A12.11.4. Inspect system components		*						-	-
A12.11.5. Remove/Install									
A12.11.5.1. Component control quadrant switches								-	-
A12.11.5.2. Engine start micro-switches								-	-
A12.11.6. Adjust									
A12.11.6.1. Component control quadrant switches								-	-
A12.11.6.2. Engine start micro-switches	*							-	-
A12.12. FUEL CONTROL/WARNING SYSTEM TR: T.O. 1H-60(H)G-2-4 T.O. 1H-60(H)G-2-9									
A12.12.1. Operational fundamentals								-	-
A12.12.2. Perform operational check of system	*							-	-
A12.12.3. Troubleshoot		*						-	-
A12.12.4. Inspect system components		*						-	-
A12.12.5. Remove/Install									
A12.12.5.1. Fuel Management Panel								-	-
A12.12.5.2. Fuel boost control panel								-	-
A12.12.5.3. Fuel probe harness								-	-
A12.12.5.4. Fuel probe actuator								-	-

HH-60 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A12.13. CHIP DETECTOR SYSTEM TR: T.O. 1H-60(H)G-2-4 T.O. 1H-60(H)G-2-9									
A12.13.1. Operational fundamentals								-	-
A12.13.2. Perform operational check of system	*							-	-
A12.13.3. Troubleshoot		*						-	-
A12.13.4. Inspect system components		*						-	-
A12.13.5. Remove/Install									
A12.13.5.1. Input and accessory module chip detector								-	-
A12.13.5.2. Tail and intermediate gear box chip detector	*							-	-
A12.13.5.3. Main transmission chip detector								-	-
A12.14. RESCUE HOIST SYSTEM TR: T.O. 1H-60(H)G-2-6 T.O. 1H-60(H)G-2-9									
A12.14.1. Operational fundamentals								-	-
A12.14.2. Perform operational check of system	*							-	-
A12.14.3. Adjust hoist limit switches	*							-	-
A12.14.4. Troubleshoot	*							-	-
A12.14.5. Inspect system components		*						-	-
A12.14.6. Repair system components								-	-
A12.14.7. Remove/Install									
A12.14.7.1. Control panel (center console)								-	-
A12.14.7.2. Control panel (overhead in cabin)								-	-
A12.14.7.3. Consolidated control box (CCB)								-	-
A12.14.7.4. Rescue hoist squib	*							-	-
A12.14.7.5. Hoist relay box								-	-
A12.15. BLADE DE-ICE SYSTEM TR: T.O. 1H-60(H)G-2-5 T.O. 1H-60(H)G-2-9									
A12.15.1. Operational fundamentals								-	-
A12.15.2. Perform operational check of system	*							-	-
A12.15.3. Troubleshoot		*						-	-
A12.15.4. Perform blade burn procedures								-	-
A12.15.5. Inspect system components		*						-	-
A12.15.6. Remove/Install									
A12.15.6.1. Main rotor de-ice distributor	*							-	-
A12.15.6.2. Icing rate meter								-	-
A12.15.6.3. Blade de-ice control panel								-	-
A12.15.6.4. Blade de-ice controller								-	-
A12.15.6.5. Blade de-ice test panel								-	-

HH-60 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A12.15.6.6. De-ice OAT sensor								-	-
A12.15.6.7. Ice detector								-	-
A12.15.6.8. Tail rotor slip ring assembly								-	-
A12.16. CARGO HOOK SYSTEM TR: T.O. 1H-60(H)G-2-9									
A12.16.1. Operational fundamentals								-	-
A12.16.2. Perform operational check of system	*							-	-
A12.16.3. Troubleshoot system		*						-	-
A12.16.4. Inspect system components		*						-	-
A12.16.5. Remove/Install cargo hook squib	*							-	-

A-10 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A	B
			Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Level	5 Level
								Course	
ATTACHMENT 13 NOTE 1: In addition to attachment 2, the tasks and knowledge in attachment 13 will be performed by personnel assigned to maintain A-10 aircraft. NOTE 2: Users are responsible for annotating training references to identify current references pending STS revision. NOTE 3: MAJCOM Training and Functional Managers forward inputs to the AETC Training Manager, DSN 736-6297.									
A13.1. AIRCRAFT FUNDAMENTALS									
A13.1.1. Perform aircraft safe for maintenance	*							-	-
A13.2. COCKPIT PRESSURIZATION SYSTEM TR: T.O. 1A-10C-2-21 series									
A13.2.1. Operational fundamentals								-	-
A13.2.2. Perform operational check	*							-	-
A13.2.3. Inspect		*						-	-
A13.2.4. Troubleshoot		*						-	-
A13.2.5. Remove/Install system components									
A13.2.5.1. Cabin pressure safety valve								-	-
A13.2.5.2. Cabin pressure regulator valve	*							-	-
A13.2.5.3. Anti-Gsuit regulator valve								-	-
A13.2.5.4. Anti-Gsuit hose								-	-
A13.2.5.5. Environmental control unit	*							-	-
A13.2.5.6. Water separator								-	-
A13.2.5.7. Water separator coalescer	*							-	-
A13.2.5.8. ECU overpressure switch								-	-
A13.2.5.9. ECU pressure regulator and shut off valve								-	-
A13.2.5.10. Environmental control panel	*							-	-
A13.2.5.11. Temperature control unit								-	-
A13.2.5.12. Temperature control valve								-	-
A13.2.5.13. Duct temperature sensor								-	-
A13.2.5.14. Service air temperature switch								-	-
A13.2.5.15. Canopy seal pressure regulator valve	*							-	-
A13.2.5.16. Windshield wash fluid tank								-	-
A13.2.5.17. Windshield wash fluid level sight glass								-	-
A13.2.5.18. Windshield wash pressure regulator valve								-	-
A13.2.5.19. Windshield wash shut off valve								-	-
A13.2.5.20. Windshield wash air supply valve								-	-
A13.2.5.21. Windshield wash air purge valve								-	-
A13.2.5.22. Windshield wash check valves								-	-
A13.2.5.23. Windshield wash/rain removal nozzle assembly								-	-
A13.2.5.24. Canopy seal checkvalve								-	-
A13.2.5.25. ECS ejector assembly								-	-

A-10 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A	B
			Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Level Course	5 Level
A13.2.5.26. ECU Duct over temperature switch								-	-
A13.2.5.27. Cabin pressure altimeter	*							-	-
A13.2.5.28. Canopy seal pressure regulator valve filter	*							-	-
A13.2.5.29. Water aspirator assembly								-	-
A13.2.5.30. Ram air shut off valve								-	-
A13.2.5.31. Ram air check valve								-	-
A13.2.6. Repair components									
A13.2.6.1. Environmental control unit								-	-
A13.2.6.2. Environmental control panel								-	-
A13.2.7. Bench check components									
A13.2.7.1. Environmental control unit								-	-
A13.2.7.2. Environmental control panel								-	-
A13.3. BLEED AIR SYSTEM TR: T.O. 1A-10C-2-21 series									
A13.3.1. Operational fundamentals								-	-
A13.3.2. Perform operational check	*							-	-
A13.3.3. Inspect		*						-	-
A13.3.4. Troubleshoot		*						-	-
A13.3.5. Remove/Install system components									
A13.3.5.1. Engine bleed shut off valve	*							-	-
A13.3.5.2. Engine bleed manifold assembly(Nacelle)								-	-
A13.3.5.3. Engine bleed line crossover tube assembly								-	-
A13.3.5.4. Engine bleed regulator shut off valve								-	-
A13.3.5.5. Engine bleed line pent a-manifold assembly								-	-
A13.3.5.6. Flow-limiter tube assembly								-	-
A13.3.5.7. Ejection shutoff valve								-	-
A13.3.5.8. Precooler ejector								-	-
A13.3.5.9. Ram air precooler								-	-
A13.4. COMPARTMENT COOLING SYSTEM TR: T.O. 1A-10C-2-21 series									
A13.4.1. Operational fundamentals								-	-
A13.4.2. Perform operational check	*							-	-
A13.4.3. Inspect		*						-	-
A13.4.4. Troubleshoot		*						-	-
A13.4.5. Remove/Install system components									
A13.4.5.1. Electrical/avionics compartment cooling blowers	*							-	-
A13.4.5.2. Electrical/avionics compartment cooling blowers interlock switches								-	-

A-10 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A	B
	5	7	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Level Course	5 Level
A13.5. RAIN REMOVAL AND DEFOG SYSTEM TR: T.O. 1A-10C-2-21 series									
A13.5.1. Operational fundamentals								-	-
A13.5.2. Perform operational check	*							-	-
A13.5.3. Inspect		*						-	-
A13.5.4. Troubleshoot		*						-	-
A13.5.5. Remove/Install system components									
A13.5.5.1. Rain removal regulator and shut off valve								-	-
A13.5.5.2. Rain removal nozzle								-	-
A13.5.5.3. Canopy defogging valve								-	-
A13.5.5.4. Windshield and canopy defog tube assembly								-	-
A13.6. WINDSHIELD DEICER SYSTEM TR: T.O. 1A-10C-2-21 series									
A13.6.1. Operational Fundamentals								-	-
A13.6.2. Perform system operational check	*							-	-
A13.6.3. Inspect		*						-	-
A13.6.4. Troubleshoot		*						-	-
A13.6.5. Remove/Install System Components									
A13.6.5.1. Windshield deice controller								-	-
A13.7. FIRE EXTINGUISHING SYSTEM TR: T.O. 1A-10C-2-26 series									
A13.7.1. Operational fundamentals								-	-
A13.7.2. Perform operational check	*							-	-
A13.7.3. Inspect		*						-	-
A13.7.4. Troubleshoot		*						-	-
A13.7.5. Remove/Install system components									
A13.7.5.1. Fire extinguishing containers	*							-	-
A13.7.5.2. Check valves								-	-
A13.7.5.3. Resistor assembly								-	-
A13.7.5.4. Cartridges (squibs)	*							-	-
A13.7.5.5. Fire pull handles								-	-
A13.7.6. Overhaul fire extinguishing containers								-	-
A13.7.7. Service fire extinguishing containers								-	-
A13.8. LIQUID OXYGEN SYSTEM TR: T.O. 1A-10C-2-35 series									
A13.8.1. Operational fundamentals								-	-
A13.8.2. Perform operational check	*							-	-
A13.8.3. Inspect		*						-	-

A-10 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A13.8.4. Troubleshoot		*						-	-
A13.8.5. Remove/Install system components									
A13.8.5.1. Diluter demand regulator	*							-	-
A13.8.5.2. Liquid oxygen converter								-	-
A13.8.5.3. Heat exchanger assembly								-	-
A13.8.5.4. LOX quantity indicator	*							-	-
A13.8.5.5. Oxygen hose	*							-	-
A13.8.6. Drain/Fill/Purge									
A13.8.6.1. Liquid oxygen converter								-	-
A13.8.6.2. O2 system								-	-
A13.8.7. Repair system components									
A13.8.7.1. Liquid Oxygen Converter								-	-
A13.8.7.2. LOX Quantity Indicator								-	-
A13.8.8. Bench check/calibrate components									
A13.8.8.1. Liquid oxygen converter								-	-
A13.8.8.2. LOX quantity indicator								-	-
A13.9. AC POWER SYSTEM TR: T.O. 1A-10C-2-24 series									
A13.9.1. Operational fundamentals								-	-
A13.9.2. Perform operational check	*							-	-
A13.9.3. Inspect		*						-	-
A13.9.4. Troubleshoot		*						-	-
A13.9.5. Remove/Install system components									
A13.9.5.1. Current transformer								-	-
A13.9.5.2. Electrical power control panel	*							-	-
A13.9.5.3. Generator control unit	*							-	-
A13.9.5.4. Generator line contactor	*							-	-
A13.9.5.5. IDG drain plug/chip detector								-	-
A13.9.5.6. IDG filter cap and valve								-	-
A13.9.5.7. IDG gravity fill bleeder plug								-	-
A13.9.5.8. IDG oil filter								-	-
A13.9.5.9. IDG pressure fill adapter								-	-
A13.9.5.10. IDG sight glass								-	-
A13.9.5.11. IDG speed sensor								-	-
A13.9.5.12. IDG splined adapter								-	-
A13.9.5.13. Engine RPM sensors								-	-
A13.9.5.14. Overflow stand pipe								-	-

A-10 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A13.9.5.15. Scavenge oil filter element								-	-
A13.9.5.16. Scavenge oil filter assembly								-	-
A13.9.5.17. Scavenge oil filter indicator								-	-
A13.9.6. Repair system components									
A13.9.6.1. Electrical power control panel								-	-
A13.9.7. Bench check components									
A13.9.7.1. Electrical power control panel								-	-
A13.10. DC POWER SYSTEM TR: T.O. 1A-10C-2-24 series									
A13.10.1. Operational fundamentals								-	-
A13.10.2. Perform operational check	*							-	-
A13.10.3. Inspect		*						-	-
A13.10.4. Troubleshoot		*						-	-
A13.10.5. Remove/Inst all system components									
A13.10.5.1. DC converter	*							-	-
A13.10.5.2. Power diode box	*							-	-
A13.10.5.3. DC junction box								-	-
A13.10.6. Repair systems components									
A13.10.6.1. DC converter								-	-
A13.10.6.2. Power diode box								-	-
A13.10.6.3. DC junction box								-	-
A13.10.7. Bench check components									
A13.10.7.1. DC converter								-	-
A13.10.7.2. Power diode box								-	-
A13.10.7.3. DC junction box								-	-
A13.11. EMERGENCY, EXTERNAL AND APU POWER SYSTEMS TR: T.O. 1A-10C-2-24 series									
A13.11.1. Operational fundamentals								-	-
A13.11.2. Perform operational check	*							-	-
A13.11.3. Inspect		*						-	-
A13.11.4. Troubleshoot		*						-	-
A13.11.5. Remove/Inst all system components									
A13.11.5.1. AC power relay box (cockpit)								-	-
A13.11.5.2. Aircraft battery	*							-	-
A13.11.5.3. External battery disconnect switch								-	-
A13.11.5.4. Inverter	*							-	-
A13.11.5.5. AC power relay box (fuselage)								-	-

A-10 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A	B
			Tag Start	Tag Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Level Course	5 Level
A13.11.5.6. Bus tie contactor	*							-	-
A13.11.5.7. External power monitor								-	-
A13.11.5.8. External power receptacle								-	-
A13.11.5.9. External power monitor reset switch								-	-
A13.11.5.10. APU/external power contactor								-	-
A13.11.5.11. APU generator control unit	*							-	-
A13.11.5.12. APU generator current transformer								-	-
A13.11.5.13. APU electronic control box (blue box)								-	-
A13.11.5.14. Battery vent tube assembly								-	-
A13.11.6. Repair system components									
A13.11.6.1. AC power relay box (cockpit)								-	-
A13.11.6.2. Aircraft battery	*							-	-
A13.11.6.3. Inverter								-	-
A13.11.6.4. AC power relay box (fuselage)								-	-
A13.11.7 Bench check components									
A13.11.7.1. AC power relay box (cockpit)								-	-
A13.11.7.2. Aircraft battery	*							-	-
A13.11.7.3. Inverter								-	-
A13.11.7.4. AC power relay box (fuselage)								-	-
A13.12. POWER DISTRIBUTION SYSTEM T.O. 1A-10C-2-24 series									
A13.12.1. Operational fundamentals								-	-
A13.12.2. Perform operational check	*							-	-
A13.12.3. Inspect		*						-	-
A13.12.4. Troubleshoot		*						-	-
A13.12.5. Remove/Install system components									
A13.12.5.1. Essential circuit breaker box panel	*							-	-
A13.12.5.2. LH load center circuit breaker panel								-	-
A13.12.5.3. RH load center circuit breaker panel								-	-
A13.12.5.4. Auxiliary RH circuit breaker box								-	-
A13.12.5.5. Warning caution advisory panel								-	-
A13.12.6. Repair system components									
A13.12.6.1. Essential Circuit Breaker Box Panel								-	-
A13.12.6.2. LH Load Center Circuit Breaker Panel								-	-
A13.12.6.3. RH Load Center Circuit Breaker Panel								-	-
A13.12.6.4. Auxiliary RH Circuit Breaker Box								-	-
A13.12.6.5. Warning Caution Advisory Panel								-	-
A13.12.7. Bench check components									

A-10 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A13.12.7.1. Essential Circuit Breaker Box Panel								-	-
A13.12.7.2. LH Load Center Circuit Breaker Panel								-	-
A13.12.7.3. RH Load Center Circuit Breaker Panel								-	-
A13.12.7.4. Auxiliary RH Circuit Breaker Box								-	-
A13.12.7.5. Warning Caution Advisory Panel								-	-
A13.13. EXTERIOR / INTERIOR LIGHTING SYSTEM TR: T.O. 1A-10C-2-33 series									
A13.13.1. Operational fundamentals								-	-
A13.13.2. Inspect		*						-	-
A13.13.3. Troubleshoot		*						-	-
A13.13.4. Perform system operational check	*							-	-
A13.13.5. Remove/Install system components									
A13.13.5.1. Exterior lamps/lamp assemblies	*							-	-
A13.13.5.2. Interior lamps/lamp assemblies	*							-	-
A13.13.5.3. Flasher/dimmer control								-	-
A13.13.5.4. Flashtube (strobe) power supply								-	-
A13.13.5.5. Landing/taxi light assembly								-	-
A13.13.5.6. Lighting transformer box								-	-
A13.13.5.7. Vertical fin lighting transformer box								-	-
A13.13.5.8. Lightning suppressor								-	-
A13.13.5.9. Nacelle floodlight dimmer								-	-
A13.13.5.10. Auxiliary lighting control panel								-	-
A13.13.5.11. Console lighting edge-lit panels (typical)								-	-
A13.13.5.12. Exterior/interior lights control panel	*							-	-
A13.13.5.13. Floodlights dimming controller								-	-
A13.13.5.14. Interior lighting balance control	*							-	-
A13.13.5.15. Utility light panel assembly								-	-
A13.13.5.16. Instrument/control panel post lights (miscellaneous)	*							-	-
A13.13.6. Repair system components									
A13.13.6.1. Lighting transformer box								-	-
A13.13.6.2. Vertical fin lighting transformer box								-	-
A13.13.6.3. Auxiliary lighting control panel								-	-
A13.13.6.4. Exterior/interior lights control panel								-	-
A13.13.6.5. Interior lighting balance control								-	-
A13.13.6.6. Utility light panel assembly								-	-
A13.13.7. Bench check components									
A13.13.7.1. Lighting transformer box								-	-
A13.13.7.2. Vertical fin lighting transformer box								-	-

A-10 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Tag Start	Tag Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A13.13.7.3. Auxiliary lighting control panel								-	-
A13.13.7.4. Exterior/interior lights control panel								-	-
A13.13.7.5. Interior lighting balance control								-	-
A13.13.7.6. Utility light panel assembly								-	-
A13.14. MASTER CAUTION SYSTEM TR: T.O. 1A-10C-2-33 series									
A13.14.1. Operational fundamentals								-	-
A13.14.2. Perform operational check	*							-	-
A13.14.3. Inspect		*						-	-
A13.14.4. Troubleshoot		*						-	-
A13.14.5. Remove/Install system components									
A13.14.5.1. Caution annunciator panel	*							-	-
A13.14.5.2. Master caution light assembly								-	-
A13.14.5.3. Master caution light flasher								-	-
A13.14.6. Repair system components									
A13.14.6.1. Caution annunciator panel	*							-	-
A13.14.7. Bench check components									
A13.14.7.1. Caution annunciator panel	*							-	-
A13.15. FLAPS/SLAT SYSTEM TR: T.O. 1A-10C-2-27 series									
A13.15.1. Operational fundamentals								-	-
A13.15.2. Perform operational check								-	-
A13.15.3. Inspect								-	-
A13.15.4. Troubleshoot								-	-
A13.15.5. Remove/Install system components								-	-
A13.15.5.1. Position control unit								-	-
A13.15.5.2. Audio stall warning control panel								-	-
A13.15.5.3. Stall warning and peak performance audible alarms								-	-
A13.15.6. Repair system components									
A13.15.6.1. Audio stall warning control panel								-	-
A13.15.7. Bench check components									
A13.15.7.1. Audio stall warning control panel								-	-
A13.16. SPEED BRAKE SYSTEM TR: T.O. 1A-10C-2-27 series									
A13.16.1. Operational fundamentals								-	-
A13.16.2. Perform operational check	*							-	-
A13.16.3. Inspect		*						-	-
A13.16.4. Troubleshoot		*						-	-

A-10 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A	B
			Tag Start	Tag Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Level Course	5 Level
A13.16.5. Remove/Install system components									
A13.16.5.1. Cam limit switch								-	-
A13.16.5.2. Speed brake control switch								-	-
A13.17. FLIGHT CONTROL SYSTEM TR: T.O. 1A-10C-2-27 series									
A13.17.1. Operational fundamentals								-	-
A13.17.2. Perform operational check	*							-	-
A13.17.3. Inspect		*						-	-
A13.17.4. Troubleshoot		*						-	-
A13.17.5. Remove/Install system components									
A13.17.5.1. Emergency flight control panel								-	-
A13.17.5.2. Roll trim controller								-	-
A13.17.6. Repair system components									
A13.17.6.1. Emergency Flight Control Panel								-	-
A13.17.7. Bench check components									
A13.17.7.1. Emergency Flight Control Panel								-	-
A13.18. FUEL SYSTEM TR: T.O. 1A-10C-2-28 series									
A13.18.1. Operational fundamentals								-	-
A13.18.2. Perform operational check	*							-	-
A13.18.3. Inspect		*						-	-
A13.18.4. Troubleshoot		*						-	-
A13.18.5. Remove/Install system components									
A13.18.5.1. Single point refueling system test box assembly								-	-
A13.18.5.2. SPR door interlock switch								-	-
A13.18.5.3. Aerial refueling receptacle induction coil								-	-
A13.18.5.4. Aerial refueling receptacle kickout relay								-	-
A13.18.5.5. ARR door open downlock & close uplock switch								-	-
A13.18.5.6. Aerial refueling receptacle nozzle contact switch								-	-
A13.18.5.7. Aerial refueling receptacle nozzle latch switch								-	-
A13.18.5.8. ARR RCVR control lever switches								-	-
A13.18.5.9. Fuel management panel								-	-
A13.18.6. Splice fuel system components									
A13.18.6.1. Main/wing float and pressure switches								-	-
A13.18.6.2. Main/wing tank valves								-	-
A13.18.7. Repair system components									
A13.18.7.1. Single Point Refueling System Test Box Assembly								-	-
A13.18.7.2. Fuel Management Panel								-	-

A-10 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Tag Start	Tag Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A13.18.8. Bench check components									
A13.18.8.1. Single Point Refueling System Test Box Assembly								-	-
A13.18.8.2. Fuel Management Panel								-	-
A13.19. LANDING GEAR SYSTEM MAIN/NOSE TR: T.O. 1A-10C-2-32 series									
A13.19.1. Operational fundamentals								-	-
A13.19.2. Perform operational check	*							-	-
A13.19.3. Inspect		*						-	-
A13.19.4. Troubleshoot		*						-	-
A13.19.5. Remove/Install system components									
A13.19.5.1. Main /nose landing gear uplock switches	*							-	-
A13.19.5.2. Weight on wheel switch	*							-	-
A13.19.5.3. Nose landing gear up switch								-	-
A13.19.5.4. Landing gear shock strutharnesses								-	-
A13.19.5.5. Main /nose landing gear downlock switches	*							-	-
A13.19.6. Splice Landing Gear System Components									
A13.19.6.1. Main/nose landing gear drag strut assembly								-	-
A13.19.7. Repair system components									
A13.19.7.1. Landing gear shock strutharnesses								-	-
A13.19.8. Bench check components									
A13.19.8.1. Landing gear shock strutharnesses								-	-
A13.20. LANDING GEAR SYSTEM WARNING/CONTROL TR: T.O. 1A-10C-2-32 series									
A13.20.1. Operational fundamentals								-	-
A13.20.2. Perform operational check	*							-	-
A13.20.3. Inspect		*						-	-
A13.20.4. Troubleshoot		*						-	-
A13.20.5. Remove/Install system components									
A13.20.5.1. Landing gear control panel	*							-	-
A13.20.5.2. Audible signal warning unit								-	-
A13.20.6. Repair/overhaul system components									
A13.20.6.1. Landing gear control panel								-	-
A13.20.7. Bench check components									
A13.20.7.1. Landing gear control panel								-	-
A13.21. NOSE WHEEL STEERING SYSTEM TR: T.O. 1A-10C-2-32 series									
A13.21.1. Operational fundamentals								-	-
A13.21.2. Perform operational check	*							-	-

A-10 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A13.21.3. Inspect		*						-	-
A13.21.4. Troubleshoot		*						-	-
A13.21.5. Adjust position transducer	*							-	-
A13.21.6. Remove/Inst all system components									
A13.21.6.1. Control unit								-	-
A13.21.6.2. Position transducer								-	-
A13.21.6.3. Stick grip								-	-
A13.21.7. Repair system components									
A13.21.7.1. Position transducer								-	-
A13.21.7.2. Stick grip								-	-
A13.21.8. Bench check components									
A13.21.8.1. Position transducer								-	-
A13.21.8.2. Stick grip								-	-
A13.22. ANTI-SKID AND BRAKE SYSTEM TR: T.O. 1A-10C-2-32 series									
A13.22.1. Operational fundamentals								-	-
A13.22.2. Perform operational check	*							-	-
A13.22.3. Inspect		*						-	-
A13.22.4. Troubleshoot		*						-	-
A13.22.5. Remove/Inst all system components									
A13.22.5.1. Anti-skid control unit	*							-	-
A13.22.5.2. Wheel speed transducer	*							-	-
A13.22.5.3. Anti-skid cut out switch								-	-
A13.22.5.4. Anti-skid emergency disconnect switch								-	-
A13.23. AIRFRAME, CANOPY, WINDSHIELD, LADDER AND MISC. TR: T.O. 1A-10C-2-51 series									
A13.23.1. Operational fundamentals								-	-
A13.23.2. Perform operational check								-	-
A13.23.3. Inspect		*						-	-
A13.23.4. Troubleshoot		*						-	-
A13.23.5. Remove/Inst all system components									
A13.23.5.1. Canopy/windshield seal	*							-	-
A13.23.5.2. Canopy control switches								-	-
A13.23.5.3. Canopy close switch (turtle deck)								-	-
A13.23.5.4. Canopy lock/unlock switches								-	-
A13.23.5.5. Canopy lock/unlock solenoids	*							-	-
A13.23.5.6. Crew boarding ladder switch								-	-

A-10 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A13.23.5.7. Ladder door latch solenoid								-	-
A13.23.5.8. Seat adjustment switch								-	-
A13.23.5.9. Pressure bulkhead panels								-	-
A13.23.5.10. Relay control panels								-	-
A13.23.5.11. Hydraulic pump blocking control switch								-	-
A13.23.6. Repair system components									
A13.23.6.1. Relay control panels								-	-
A13.23.7. Bench check components									
A13.23.7.1. Relay control panels								-	-
A13.24. POWER PLANT FIRE DETECTION SYSTEM TR: T.O. 1A-10C-2-71 series									
A13.24.1. Operational fundamentals								-	-
A13.24.2. Perform operational check	*							-	-
A13.24.3. Inspect		*						-	-
A13.24.4. Troubleshoot		*						-	-
A13.24.5. Remove/Install system components									
A13.24.5.1. Fire Detector Control Unit	*							-	-
A13.24.5.2. Fire Detector Sensor Cable	*							-	-
A13.25. AUXILIARY POWER UNIT STARTING AND IGNITION SYSTEM TR: T.O. 1A-10C-2-71 series									
A13.25.1. Operational Fundamentals								-	-
A13.25.2. Inspect								-	-
A13.25.3. Troubleshoot								-	-
A13.26. POWER PLANT STARTING AND IGNITION SYSTEM TR: T.O. 1A-10C-2-71 series									
A13.26.1. Operational Fundamentals								-	-
A13.26.2. Inspect								-	-
A13.26.3. Troubleshoot								-	-

B-1B TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A	B
	5	7	Tag Start	Tag Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Level	5 Level
ATTACHMENT 14 NOTE 1: In addition to attachment 2, the tasks and knowledge in attachment 14 will be performed by personnel assigned to maintain B-1B aircraft. NOTE 2: Users are responsible for annotating training references to identify current references pending ST Srevision. NOTE 3: Address comments and recommended changes through Unit Training Managers to the MAJCOM Maintenance Training Manager @ HQ ACC/A4QT, DSN 574-7014. MAJCOM Training and Functional Managers forward inputs to the AETC Training Manager, DSN 736-6297.									
A14.1. OVERWING FAIRING TR: T.O. 1B-1B-2-05JG-50-1									
A14.1.1. Open/Close overwing fairing								-	-
A14.2. CENTRAL AIRCRAFT SUPPORT SYSTEM (CASS)/HANGER SYSTEM TR: Local System Operating Instructions									
A14.2.1. Operate CASS/hanger system									
A14.2.1.1. Operate electrical								-	-
A14.2.1.2. Operate shop air								-	-
A14.2.1.3. Operate cooling air								-	-
A14.3. HARDNESS CRITICAL CHECKS TR: T.O. 1B-1B-2-00WD-00-1									
A14.3.1. Perform hardness critical procedures (HCP) checks	*							-	-
A14.4. BLEED AIR SYSTEM TR: T.O. 1B-1B-2-21GS-00-1 T.O. 1B-1B-2-21JG series									
A14.4.1. Operational fundamentals								-	-
A14.4.2. Perform operational check	*							-	-
A14.4.3. Inspect system components		*						-	-
A14.4.4. Troubleshoot system		*						-	-
A14.4.5. Borescope system components								-	-
A14.4.6. Remove/Install system components TR: T.O. 1B-1B-2-21JG-10-1 T.O. 1B-1B-2-21JG-10-2									
A14.4.6.1. Precooler blower inlet door actuator	*							-	-
A14.4.6.2. Wing fairing seal pressure regulator								-	-
A14.4.6.3. Crew entry door seal emergency dump valve								-	-
A14.4.6.4. Bleed air system valves	*							-	-
A14.5. COOLING AIR SYSTEM TR: T.O. 1B-1B-2-21GS-00-1 T.O. 1B-1B-2-21WD-00-1 T.O. 1B-1B-2-21JG series									
A14.5.1. Operational fundamentals								-	-
A14.5.2. Perform operational check	*							-	-
A14.5.3. Inspect system components		*						-	-
A14.5.4. Troubleshoot system		*						-	-

B-1B TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A14.5.5. Remove/Install system components TR: T.O. 1B-1B-2-21JG-10-1 T.O. 1B-1B-2-21JG-10-2 T.O. 1B-1B-2-21JG-10-4									
A14.5.5.1. Equipment bay ram air scoop								-	-
A14.5.5.2. Equipment bay exhaust door actuators								-	-
A14.5.5.3. Equipment bay air recirculation loop heat exchangers								-	-
A14.5.5.4. Air distribution shut off valves								-	-
A14.6. COMPARTMENT PRESSURE SYSTEM TR: T.O. 1B-1B-2-21GS-00-1 T.O. 1B-1B-2-21JG-30-1									
A14.6.1. Operational fundamentals								-	-
A14.6.2. Perform operational check	*							-	-
A14.6.3. Inspect system components		*						-	-
A14.6.4. Troubleshoot system		*						-	-
A14.6.5. Remove/Install system components TR: T.O. 1B-1B-2-21JG-30-1									
A14.6.5.1. Forward equipment inflow pressure regulator								-	-
A14.7. CREW AIR CONDITIONING SYSTEM TR: T.O. 1B-1B-2-21GS-00-1 T.O. 1B-1B-2-21JG-50-1 T.O. 1B-1B-2-21WD-00-1									
A14.7.1. Operational fundamentals								-	-
A14.7.2. Perform operational check	*							-	-
A14.7.3. Inspect system components		*						-	-
A14.7.4. Troubleshoot system		*						-	-
A14.7.5. Remove/Install system components TR: T.O. 1B-1B-2-21JG-50-1									
A14.7.5.1. Crew unit shut off valve	*							-	-
A14.7.5.2. Crew unit modulation valve	*							-	-
A14.7.5.3. Crew unit flow sensor	*							-	-
A14.7.5.4. Crew unit turbo-compressor								-	-
A14.7.5.5. Crew unit intercooler heat exchanger								-	-
A14.7.5.6. Crew unit 35 degree modulation valve								-	-
A14.8. STORES AIR CONDITIONING SYSTEM TR: T.O. 1B-1B-2-21GS-00-1 T.O. 1B-1B-2-21JG-50-1 T.O. 1B-1B-2-21WD-00-1									
A14.8.1. Operational fundamentals								-	-
A14.8.2. Perform operational check	*							-	-
A14.8.3. Inspect system components		*						-	-

B-1B TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A14.8.4. Troubleshoot system		*						-	-
A14.8.5. Remove/Install system components TR: T.O. 1B-1B-2-21JG-50-1									
A14.8.5.1. Stores unit throttling valve	*							-	-
A14.8.5.2. Stores unit control head	*							-	-
A14.8.5.3. Stores unit turbo-compressor								-	-
A14.8.5.4. Stores unit intercooler heat exchanger								-	-
A14.8.5.5. Stores unit 35 degree modulation valve								-	-
A14.8.5.6. Stores unit 80 degree modulation valve								-	-
A14.9. REGEN AIR CONDITIONING SYSTEM TR: T.O. 1B-1B-2-21GS-00-1 T.O. 1B-1B-2-21JG-50-1 T.O. 1B-1B-2-21WD-00-1									
A14.9.1. Operational fundamentals								-	-
A14.9.2. Perform operational check	*							-	-
A14.9.3. Inspect system components		*						-	-
A14.9.4. Troubleshoot system		*						-	-
A14.9.5. Remove/Install system components TR: T.O. 1B-1B-2-21JG-50-2									
A14.9.5.1. Regen unit throttling valves								-	-
A14.9.5.2. Regen unit turbo compressors								-	-
A14.9.5.3. Regen unit intercooler heat exchangers								-	-
A14.9.5.4. Regen unit load heat exchanger								-	-
A14.10. TEMPERATURE CONTROL SYSTEM TR: T.O. 1B-1B-2-21GS-00-1 T.O. 1B-1B-2-21JG-50-1 T.O. 1B-1B-2-21WD-00-1									
A14.10.1. Operational fundamentals								-	-
A14.10.2. Perform operational check	*							-	-
A14.10.3. Inspect system components		*						-	-
A14.10.4. Troubleshoot system		*						-	-
A14.10.5. Remove/Install system components TR: T.O. 1B-1B-2-21JG-60-1									
A14.10.5.1. Coolant temperature controller								-	-
A14.10.5.2. Stores air thermal management controller								-	-
A14.10.5.3. Crew air temperature controller								-	-
A14.10.5.4. Temperature control bypass valve								-	-

B-1B TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A14.11. MOISTURE / AIR CONDITIONING SYSTEM TR: T.O. 1B-1B-2-21GS-00-1 T.O. 1B-1B-2-21JG-70-1 T.O. 1B-1B-2-21WD-00-1									
A14.11.1. Operational fundamentals								-	-
A14.11.2. Perform operational check	*							-	-
A14.11.3. Inspect system components		*						-	-
A14.11.4. Troubleshoot system		*						-	-
A14.11.5. Remove/Install system components TR: T.O. 1B-1B-2-21JG-70-1									
A14.11.5.1. Crew unit water separator								-	-
A14.11.5.2. Stores unit water separator								-	-
A14.11.5.3. Crew unit radioactive particulate filter housing								-	-
A14.11.5.4. Crew unit radioactive particulate filter element								-	-
A14.12. COOLANT SYSTEM TR: T.O. 1B-1B-2-21GS-00-1 T.O. 1B-1B-2-21JG-80-1 T.O. 1B-1B-2-21WD-00-1									
A14.12.1. Operational fundamentals								-	-
A14.12.2. Perform operational check	*							-	-
A14.12.3. Inspect system components		*						-	-
A14.12.4. Troubleshoot system		*						-	-
A14.12.5. Remove/Install system components TR: T.O. 1B-1B-2-21JG-80-1 T.O. 1B-1B-2-21JG-80-2									
A14.12.5.1. Pressure relief valves								-	-
A14.12.5.2. Fuel heat sink thermal bypass valve								-	-
A14.12.5.3. Coolant loop ground service check valve								-	-
A14.12.5.4. Coolant loop isolation valves								-	-
A14.12.5.5. Fast warmup heat exchanger								-	-
A14.12.5.6. Fast warmup heat exchanger thermal bypass valve								-	-
A14.13. FUEL HEAT SINK SYSTEM TR: T.O. 1B-1B-2-21GS-00-1 T.O. 1B-1B-2-21JG-80-3 T.O. 1B-1B-2-21WD-00-1									
A14.13.1. Operational fundamentals								-	-
A14.13.2. Perform operational check	*							-	-
A14.13.3. Inspect system components		*						-	-
A14.13.4. Troubleshoot system		*						-	-

B-1B TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A14.13.5. Remove/Install system components TR: T.O. 1B-1B-2-21JG-80-3									
A14.13.5.1. Fuel heat sink components								-	-
A14.13.5.2. Fuel heat sink ground cooling door actuator								-	-
A14.13.5.3. Fuel cooling blower	*							-	-
A14.14. AC ELECTRICAL POWER SYSTEM TR: 1B-1B-2-24GS-00-1									
A14.14.1. Operational fundamentals								-	-
A14.14.2. Perform operational check	*							-	-
A14.14.3. Inspect system components		*						-	-
A14.14.4. Troubleshoot system		*						-	-
A14.14.5. Remove/Install system components TR: T.O. 1B-1B-2-24JG-20-1 TCTO 1B-1B-1202									
A14.14.5.1. Integral drive generator (IDG)								-	-
A14.14.5.2. Constant speed drive (CSD) fluid temperature sensor								-	-
A14.14.5.3. IDG cooling relief valve								-	-
A14.14.5.4. IDG filter	*							-	-
A14.14.5.5. Generator control unit								-	-
A14.14.5.6. CSD control unit								-	-
A14.14.5.7. System integration panel								-	-
A14.14.5.8. Generator line contactor								-	-
A14.14.5.9. Current transformer								-	-
A14.14.6. Disassembly/Assembly of IDG	*							-	-
A14.14.7. Perform Initial Servicing of IDG								-	-
A14.14.8. Perform Leak Check of IDG								-	-
A14.15. DC ELECTRICAL POWER SYSTEM TR: T.O. 1B-1B-2-24GS-00-1 T.O. 1B-1B-2-24JG-30-1 T.O. 1B-1B-2-24WD-00-1									
A14.15.1. Operational fundamentals								-	-
A14.15.2. Perform operational check	*							-	-
A14.15.3. Inspect system components		*						-	-
A14.15.4. Troubleshoot system		*						-	-
A14.15.5. Remove/Install system components TR: T.O. 1B-1B-2-24JG-30-1									
A14.15.5.1. Transformer rectifier (TR) isolator								-	-
A14.15.5.2. Aircraft forward battery								-	-
A14.15.5.3. Aircraft aft battery								-	-

B-1B TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A14.15.5.4. Aircraft forward battery charger								-	-
A14.15.5.5. Aircraft aft battery charger								-	-
A14.16. ELECTRICAL LOAD DISTRIBUTION SYSTEM TR: T.O. 1B-1B-2-24GS-00-1 T.O. 1B-1B-2-24JG-50-series T.O. 1B-1B-2-24WD-00-1									
A14.16.1. Operational fundamentals								-	-
A14.16.2. Perform operational check	*							-	-
A14.16.3. Inspect system components		*						-	-
A14.16.4. Troubleshoot system		*						-	-
A14.16.5. Remove/Install system components TR: T.O. 1B-1B-2-24JG-50-5									
A14.16.5.1. Essential bus voltage sensor								-	-
A14.17. FIRE DETECTION SYSTEM TR: T.O. 1B-1B-2-26GS-00-1 T.O. 1B-1B-2-26JG-series T.O. 1B-1B-2-26WD-00-1									
A14.17.1. Operational fundamentals								-	-
A14.17.2. Perform operational check	*							-	-
A14.17.3. Inspect system components		*						-	-
A14.17.4. Troubleshoot system		*						-	-
A14.17.5. Remove/Install system components TR: T.O. 1B-1B-2-26JG-10-1 T.O. 1B-1B-2-26JG-20-3									
A14.17.5.1. Fire detection panel	*							-	-
A14.17.5.2. Fire detection control unit	*							-	-
A14.17.5.3. Fire warning and extinguishing panel (FWEP)	*							-	-
A14.17.5.4. Fire loop								-	-
A14.18. FLUID TEMPERATURE SIGNAL CONDITIONING AND DISTRIBUTION UNIT (SCDU, HYD TEMP) TR: 1B-1B-2-29JG-30-1									
A14.18.1. Remove/Install fluid temperature conditioning and distribution unit (SCDU, Hyd Temp)								-	-
A14.18.2. Inspect SCDU		*						-	-
A14.19. VANE ENGINE HEAT SYSTEM (VEHS) TR: T.O. 1B-1B-2-30JG-20-1									
A14.19.1. Remove/Install vane engine heat system (VEHS) controller								-	-
A14.20. LANDING GEAR SYSTEM TR: T.O. 1B-1B-2-32GS-00-1 T.O. 1B-1B-2-32JG-series T.O. 1B-1B-2-32WD-00-1									
A14.20.1. Operational fundamentals								-	-

B-1B TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A	B
	5	7	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Level	5 Level
								Course	
A14.20.2. Perform operational check	*							-	-
A14.20.3. Inspect system components		*						-	-
A14.20.4. Troubleshoot system		*						-	-
A14.20.5. Remove/Install system components TR: T.O. 1B-1B-2-32JG-30-5 T.O. 1B-1B-2-32WD-00-1 Applicable Engineering Drawings									
A14.20.5.1. Main landing gear proximity switch electronics package	*							-	-
A14.20.5.2. Main landing gear harness								-	-
A14.21. LIGHTING SYSTEM TR: T.O. 1B-1B-2-33GS-00-1 T.O. 1B-1B-2-33JG-30-1 T.O. 1B-1B-2-33WD-00-1									
A14.21.1. Operational fundamentals								-	-
A14.21.2. Perform operational check	*							-	-
A14.21.3. Inspect system components		*						-	-
A14.21.4. Troubleshoot system		*						-	-
A14.21.5. Remove/Install system components TR: T.O. 1B-1B-2-33JG-10-1 T.O. 1B-1B-2-33JG-10-2 T.O. 1B-1B-2-33JG-30-1 T.O. 1B-1B-2-33JG-40-1									
A14.21.5.1. Left overhead panel drivers								-	-
A14.21.5.2. Right overhead panel drivers								-	-
A14.21.5.3. Night vision imagining system (NVIS) modules								-	-
A14.21.5.4. Light switch panels								-	-
A14.21.5.5. Left anti-collision light power supplies/filters								-	-
A14.21.5.6. Right anti-collision light power supplies/filters								-	-
A14.21.5.7. Tail anti-collision light power supplies/filters								-	-
A14.21.5.8. Tail position light transformer								-	-
A14.21.5.9. Left aerial refuel/wing inspection lights dimmer								-	-
A14.21.5.10. Left aerial refuel/wing inspection power supplies								-	-
A14.21.5.11. Right aerial refuel/wing inspection lights dimmer								-	-
A14.21.5.12. Right aerial refuel/wing inspection power supplies								-	-
A14.22. SELF-GENERATING OXYGEN SYSTEM (MSOGS) TR: T.O. 1B-1B-2-35GS-00-1 T.O. 1B-1B-2-35JG-series T.O. 1B-1B-2-35WD-00-1									
A14.22.1. Operational fundamentals								-	-
A14.22.2. Perform operational check	*							-	-

B-1B TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A14.22.3. Perform leak check	*							-	-
A14.22.4. Troubleshoot system		*						-	-
A14.22.5. Inspect system components		*						-	-
A14.22.6. Purge system								-	-
A14.22.7. Remove/Install system components TR: T.O. 1B-1B-2-35JG-10-1									
A14.22.7.1. Concentrator assembly								-	-
A14.22.7.2. Particle filters	*							-	-
A14.22.7.3. Controller								-	-
A14.23. BACK-UP OXYGEN SYSTEM TR: T.O. 1B-1B-2-35GS-00-1 T.O. 1B-1B-2-35JG-series T.O. 1B-1B-2-35WD-00-1									
A14.23.1. Operational fundamentals								-	-
A14.23.2. Perform operational check	*							-	-
A14.23.3. Inspect system components		*						-	-
A14.23.4. Troubleshoot system		*						-	-
A14.23.5. Remove/Install system components TR: T.O. 1B-1B-2-35JG-10-1 T.O. 1B-1B-2-35JG-30-1									
A14.23.5.1. Oxygen regulator								-	-
A14.23.5.2. Backup oxygen fill panel pressure gage								-	-
A14.23.5.3. Backup oxygen release valve								-	-
A14.23.5.4. Oxygen control panel								-	-
A14.23.5.5. Oxygen purge valve								-	-
A14.23.5.6. Backup oxygen pressure transducer								-	-
A14.23.5.7. Backup oxygen bottle	*							-	-
A14.24. GROUND READINESS TESTS (GRT) TR: T.O. 1B-1B-2-40JG-24-1									
A14.24.1. Perform Generator control unit GRT								-	-
A14.24.2. Perform System integration panel GRT								-	-
A14.24.3. Perform Electrical power generation and distribution system GRT								-	-
A14.25. CENTRAL INTEGRATED TEST SYSTEM (CITS) DEPLOYABLE DIAGNOSTIC SYSTEM (CDDS) TR: T.O. 33D7-3-380-1									
A14.25.1. Use Central Integrated Test System (CITS) Deployable Diagnostic System (CDDS)	*							-	-

B-1B TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A14.26. CREW ENTRY LADDER TR: T.O. 1B-1B-2-52JG-10-1									
A14.26.1. Perform crew entry ladder operational checkout								-	-
A14.26.2. Remove/Install crew entry ladder switches								-	-
A14.27. ENGINE CONTROL SYSTEM TR: T.O. 1B-1B-2-76GS-00-1 T.O. 1B-1B-2-76JG-series T.O. 1B-1B-2-76WD-00-1									
A14.27.1. Operational fundamentals								-	-
A14.27.2. Perform operational check	*							-	-
A14.27.3. Inspect system components		*						-	-
A14.27.4. Troubleshoot system		*						-	-
A14.27.5. Remove/Install system components TR: T.O. 1B-1B-2-76JG-10-1 T.O. 1B-1B-2-76JG-10-3									
A14.27.5.1. Pilot and copilot throttle quadrant								-	-
A14.27.5.2. Pilot alternate throttle control panel								-	-
A14.27.5.3. Engine start panel								-	-
A14.28. AIRCRAFT POWER TR: T.O. 1B-1B-2-05JG-10-1 (S/S/SN 05-12-01/-13-01)									
A14.28.1. Perform pre-use inspection CASS Power								-	-
A14.28.2. Perform operation of CASS Power								-	-
A14.28.3. Perform aircraft application of CASS Power								-	-
A14.29. GROUND AIR COOLING TR: T.O. 1B-1B-2-05JG-10-1 (S/S/SN 05-12-02) T.O. 35E-9-9-51 T.O. 1B-1B-2-05JG-10-1 (S/S/SN 05-12-04)									
A14.29.1. Perform pre-use inspection of diesel MA-3D								-	-
A14.29.2. Perform operation of diesel MA-3D								-	-
A14.29.3. Perform aircraft application of diesel MA-3D								-	-
A14.29.4. Perform pre-use inspection application of CASS/ground air								-	-
A14.29.5. Perform operation of CASS/ground air								-	-
A14.29.6. Perform aircraft application of CASS/ground air								-	-
A14.30. GROUND LIQUID COOLING TR: T.O. 35E-10-27-1 T.O. 1B-1B-2-21JG-80-1/80-2									
A14.30.1. Perform pre-use inspection								-	-
A14.30.2. Perform operation of ground liquid cooling cart								-	-
A14.30.3. Perform aircraft application of ground liquid cooling cart								-	-

B-1B TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A14.31. AIRCRAFT SWITCH GUARDS TR: T.O. 1-1A-12									
A14.31.1. Perform operational check	*							-	-
A14.31.2. Remove/Install aircraft switch guards								-	-
A14.32. AIRCRAFT SERVICING TR: T.O. 1B-1B-2-12JG-20-1, (S/S/SN 12-23-01/-02/-03) T.O. 1B-1B-2-12JG-30-1 (S/S/SN 12-32-01) T.O. 1B-1B-2-12JG-30-1 (S/S/SN 12-32-02) T.O. 1B-1B-2-12JG-30-1 (S/S/SN 12-30-04)									
A14.32.1. Service accessory drive gearbox								-	-
A14.32.2. Service auxiliary power units								-	-
A14.32.3. Service engine oil								-	-
A14.32.4. Service ACL								-	-
A14.32.5. Service ICL								-	-
A14.32.6. Service LCL								-	-
A14.33. AIR TURBINE STARTER SYSTEM TR: T.O. 1B-1B-2-80GS-00-1 T.O. 1B-1B-2-80JG-series T.O. 1B-1B-2-80WD-00-1									
A14.33.1. Operational fundamentals								-	-
A14.33.2. Perform operational check								-	-
A14.33.3. Inspect system components		*						-	-
A14.33.4. Troubleshoot system		*						-	-
A14.33.5. Remove/Install system components TR: T.O. 1B-1B-2-80JG-00-1 (S/S/SN 80-11-10) T.O. 1B-1B-2-80JG-00-1 (S/S/SN 80-11-11)									
A14.33.5.1. Air turbine starter								-	-
A14.33.5.2. Air turbine starter control valve	*							-	-
A14.34. ENGINE START SYSTEM TR: T.O. 1B-1B-2-49GS-00-1 T.O. 1B-1B-2-49JG-series T.O. 1B-1B-2-49WD-00-1									
A14.34.1. Operational fundamentals								-	-
A14.34.2. Perform operational check								-	-
A14.34.3. Inspect system components		*						-	-
A14.34.4. Troubleshoot system		*						-	-
A14.34.5. Remove/Install system components TR: T.O. 1B-1B-2-49JG-60-1, (S/S/SN 49-61-10 [LH]/-62-10 [RH]) T.O. 1B-1B-2-80JG-00-1 (S/S/SN 80-11-14) T.O. 1B-1B-2-49JG-40-1 (S/S/SN 49-42-16) T.O. 1B-1B-2-49JG-42-17 (S/S/SN 49-42-17)									
A14.34.5.1. Engine start panel								-	-

B-1B TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A14.34.5.2. APU start panel (crewcompartment)								-	-
A14.34.5.3. APU electronic control assembly (ECA)								-	-
A14.34.5.4. External access/alertpanel								-	-
A14.35. AUXILIARY POWER UNITS(APU's) TR: T.O. 1B-1B-2-49JG-00-1 T.O. 1B-1B-2-49JG-00-1 (S/S/SN 49-00-02)									
A14.35.1. Operate APU								-	-
A14.35.2. Remove/Install APU exhaust door switches								-	-

CV-22 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Tag Start	Tag Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
ATTACHMENT 15									
NOTE 1: In addition to attachment 2, the tasks and knowledge in attachment 15 will be performed by personnel assigned to maintain CV-22 aircraft.									
NOTE 2: Users are responsible for annotating training references to identify current references pending STS revision.									
NOTE 3: Address comments and recommended changes through the MAJCOM Functional Managers to the AETC Training Manager, DSN 736-6297.									
A15.1.	00 - GROUND HANDLING								
	TR: T.O. 1V-22(C)B-2DB-1 (IETMS)								
	AFI 11-218								
	AFVA 11-225								
A15.1.1.	Remove/Inst all aircraft safety devices		*					-	-
A15.1.2.	Inspect aircraft safety devices		*					-	-
A15.1.3.	Apply external electrical power		*					-	-
A15.1.4.	Apply external hydraulic power							-	-
A15.1.5.	Apply external air conditioning		*					-	-
A15.2.	05 - AIRCRAFT INSPECTIONS								
	TR: T.O. 1V-22(C)B-6								
	T.O. 00-20-1								
A15.2.1.	Inspection concept principles							-	-
A15.2.2.	Evaluate magnetic chip detector/collector for particles			*				-	-
A15.3.	07 - LIFTING, SHORING, RECOVERING & TRANSPORTING								
	TR: T.O. 1V-22(C)B-2DB-1 (IETMS)								
A15.3.1.	Jacking team member							-	-
A15.3.2.	Jacking team supervisor							-	-
A15.3.3.	Perform axle jacking							-	-
A15.3.4.	Perform aircraft hoisting							-	-
A15.4.	09 - TOWING AND TAXIING								
	TR: T.O. 1V-22(C)B-2DB-1 (IETMS)								
	AFI 11-218								
	AFI 91-203								
	T.O. 00-25-172								
A15.4.1.	Wing/Tail tow team member							-	-
A15.4.2.	Aircraft brake operator							-	-
A15.4.3.	Tow vehicle operator							-	-
A15.4.4.	Tow team supervisor							-	-
A15.5.	10 - PARKING AND MOORING								
	TR: T.O. 1V-22(C)B-2DB-1 (IETMS)								
A15.5.1.	Moor aircraft							-	-
A15.5.2.	Blade fold wing stow supervisor							-	-
A15.5.3.	Blade fold wing stow team member							-	-

CV-22 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A15.6. 12 - SERVICING TR: T.O. 1V-22(C)B-2DB-1 (IETMS) T.O. 00-25-172 AFI 91-203									
A15.6.1. Pressure refuel team member								-	-
A15.6.2. Pressure defuel team member								-	-
A15.6.3. Gravity refuel team member								-	-
A15.6.4. Perform aircraft wash								-	-
A15.7. 21 - AIR CONDITIONING SYSTEM TR: T.O. 1V-22(C)B-2DB-1 (IETMS)									
A15.7.1. Operational fundamentals								-	-
A15.7.2. Perform operational checkout	*							-	-
A15.7.3. Inspect system components		*						-	-
A15.7.4. Troubleshoot system		*						-	-
A15.7.5. 2110 - Compression (Shaft Driven Compressor) TR: T.O. 1V-22(C)B-2DB-1 (IETMS)									
A15.7.5.1. Perform operational and leak checkout	*							-	-
A15.7.5.2. Inspect system components		*						-	-
A15.7.5.3. Troubleshoot system		*						-	-
A15.7.5.4. Remove/Install components									
A15.7.5.4.1. Shaft driven compressor (SDC)	*							-	-
A15.7.5.4.2. Solenoid valve								-	-
A15.7.5.4.3. SDC switch								-	-
A15.7.5.4.4. Sensor assemblies								-	-
A15.7.5.4.5. Chip detector	*							-	-
A15.7.5.4.6. Filter assembly	*							-	-
A15.7.5.5. Drain shaft driven compressor	*							-	-
A15.7.5.6. Service shaft driven compressor	*							-	-
A15.7.6. 2120 - Air conditioning distribution									
A15.7.6.1. Perform distribution ducting leak check	*							-	-
A15.7.6.2. Inspect system components								-	-
A15.7.6.3. Remove/Install components									
A15.7.6.3.1. Distribution ducting								-	-
A15.7.6.3.2. Associated check valves								-	-
A15.7.7. 2150 - Avionics Cooling System TR: T.O. 1V-22(C)B-2DB-1 (IETMS)									
A15.7.7.1. Perform operational check								-	-
A15.7.7.2. Troubleshoot system		*						-	-

CV-22 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A15.7.7.3. Remove/Install components									
A15.7.7.3.1. Intake fans								-	-
A15.7.7.3.2. Exhaust fans								-	-
A15.7.7.3.3. Filter elements								-	-
A15.7.7.3.4. Associated switches								-	-
A15.7.7.3.5. Associated sensors								-	-
A15.7.7.3.6. Bypass Check Valves								-	-
A15.7.7.3.7. Inlet Particle Separators								-	-
A15.7.7.3.8. Avionics Cooling Components								-	-
A15.7.8. 2190 - Integrated Environmental Control System (ECS) TR: T.O. 1V-22(C)B-2DB-1(IETMS)									
A15.7.8.1. Perform operational check								-	-
A15.7.8.2. Troubleshoot								-	-
A15.7.8.3. Remove/Install components									
A15.7.8.3.1.. Environmental Control Unit (ECU) Assembly	*							-	-
A15.7.8.3.2. ECU Filter	*							-	-
A15.7.8.3.3. Air Cycle Machine	*							-	-
A15.7.8.3.4.. Associated ECS Components								-	-
A15.7.8.4. Clean ECU Filter	*							-	-
A15.8. 2400 - ELECTRICAL POWER									
A15.8.1. 2420 - AC Power System TR: T.O. 1V-22(C)B-2DB-1(IETMS)									
A15.8.1.1. Perform operational checkout	*							-	-
A15.8.1.2. Operational fundamentals								-	-
A15.8.1.3. Inspect system components		*						-	-
A15.8.1.4. Troubleshoot		*						-	-
A15.8.1.5. Remove/Install components									
A15.8.1.5.1. AC contactors								-	-
A15.8.1.5.2. Constant Frequency (CF) Generators	*							-	-
A15.8.1.5.3. Variable Frequency (VF) Generators	*							-	-
A15.8.1.5.4. AC current feed through transformers (CT)								-	-
A15.8.1.5.5. Power distribution panels (4 each)								-	-
A15.8.1.5.6. Associated AC power components								-	-
A15.8.1.6. Drain VF generators								-	-
A15.8.1.7. Service VF generators								-	-
A15.8.2. 2430 - DC Power System TR: T.O. 1V-22(C)B-2DB-1(IETMS)									
A15.8.2.1. Operational fundamentals								-	-

CV-22 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A Tng Start	B Tng Complete	C Trainee Initials	D Trainer Initials	E Certifier Initials	A 3 Level Course	B 5 Level
A15.8.2.2. Perform operational check	*							-	-
A15.8.2.3. Troubleshoot		*						-	-
A15.8.2.4. Inspect system components		*						-	-
A15.8.2.5. Remove/Install components									
A15.8.2.5.1. Regulated converters (3 each)	*							-	-
A15.8.2.5.2. Battery relay control unit (BRCU)	*							-	-
A15.8.2.5.3. DC system contactors/relays								-	-
A15.8.2.5.4. Remote control circuit breakers(RCCB)								-	-
A15.8.2.5.5. Battery control panel	*							-	-
A15.8.2.5.6. Aircraft battery	*							-	-
A15.8.3. 2440 - External Power System TR: T.O. 1V-22(C)B-2DB-1 (IETMS)									
A15.8.3.1. Operational fundamentals								-	-
A15.8.3.2. Perform operational check								-	-
A15.8.3.3. Troubleshoot		*						-	-
A15.8.3.4. Inspect system components		*						-	-
A15.8.3.5. Remove/Install components									
A15.8.3.5.1. External Power Monitor	*							-	-
A15.8.3.5.2. External Power Receptacle								-	-
A15.8.3.5.3. External Power Contactor								-	-
A15.8.4. 2450 - AC Power Distribution TR: 1V-22(C)B-2DB-1 (IETMS)									
A15.8.4.1. Perform operational check	*							-	-
A15.8.4.2. Inspect system components		*						-	-
A15.8.4.3. Troubleshoot		*						-	-
A15.8.4.4. Remove/Install components									
A15.8.4.4.1. AC bus health monitors								-	-
A15.8.4.4.2. EMI filters								-	-
A15.8.4.4.3. Associated components								-	-
A15.8.5. 2460 - DC Power Distribution TR: T.O. 1V-22(C)B-2DB-1 (IETMS)									
A15.8.5.1. Perform operational check	*							-	-
A15.8.5.2. Inspect system components		*						-	-
A15.8.5.3. Troubleshoot		*						-	-
A15.8.5.4. Remove/Install components									
A15.8.5.4.1. DC Bus Health Monitors								-	-
A15.8.5.4.2. Associated Components								-	-

CV-22 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A Tag Start	B Tag Complete	C Trainee Initials	D Trainer Initials	E Certifier Initials	A 3 Level Course	B 5 Level
A15.9. 25 - EQUIPMENT AND FURNISHINGS									
A15.9.1. 2510 - Flight compartment TR: T.O. 1V-22(C)B-2DB-1 (IETMS)									
A15.9.1.1. Remove/Inst all flight compartment panels								-	-
A15.9.2. 2520 - Passenger crew compartment TR: T.O. 1V-22(C)B-2DB-1 (IETMS)									
A15.9.2.1. Remove/Inst all cockpit door								-	-
A15.9.3. 2592 - Rescue hoist TR: T.O. 1V-22(C)B-2DB-1 (IETMS)									
A15.9.3.1. Operational fundamentals								-	-
A15.9.3.2. Perform operational check								-	-
A15.9.3.3. Troubleshoot		*						-	-
A15.9.3.4. Inspect system components		*						-	-
A15.9.3.5. Remove/Inst all components									
A15.9.3.5.1. Cutter	*							-	-
A15.9.3.5.2. Squib	*							-	-
A15.10. 26 - FIRE PROTECTION									
A15.10.1. 2600 - Fire Protection System TR: T.O. 1V-22(C)B-2DB-1 (IETMS) T.O. 11A-1-33									
A15.10.1.1. Operational fundamentals								-	-
A15.10.1.2. Perform operational check	*							-	-
A15.10.1.3. Inspect system components		*						-	-
A15.10.1.4. Troubleshoot		*						-	-
A15.10.2. 2610 - Fire Detection TR: T.O. 1V-22(C)B-2DB-1 (IETMS)									
A15.10.2.1. Remove/Inst all components									
A15.10.2.1.1. Nacelle pneumatic detector	*							-	-
A15.10.2.1.2. Optical detectors								-	-
A15.10.3. 2620 - Fire Extinguishing TR: T.O. 1V-22(C)B-2DB-1 (IETMS) T.O. 11A-1-33									
A15.10.3.1. Remove/Inst all components									
A15.10.3.1.1. Fire bottle assembly	*							-	-
A15.10.3.1.2. Fire extinguishing components								-	-
A15.10.3.1.3. Fire bottle explosive cartridge	*							-	-

CV-22 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Tag Start	Tag Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A15.10.4. 2630 - Explosion Suppression (Gas Generators) TR: T.O. 1V-22(C)B-2DB-1 (IETMS) T.O. 11A-1-33									
A15.10.4.1. Remove/Inst all components									
A15.10.4.1.1. Engine extinguishing distribution tubing								-	-
A15.10.4.1.2. Wing fire protection system (WFPS) disable switch	*							-	-
A15.10.4.1.3. Gas generator fire suppressors	*							-	-
A15.11. 29 - HYDRAULIC POWER									
A15.11.1. 2925 - Cargo Ramp/Door Control System TR: T.O. 1V-22(C)B-2DB-1 (IETMS)									
A15.11.1.1. Operational fundamentals								-	-
A15.11.1.2. Perform operational check	*							-	-
A15.11.1.3. Troubleshoot		*						-	-
A15.11.1.4. Inspect system components		*						-	-
A15.11.1.5. Remove/Inst all components									
A15.11.1.5.1. Ramp indicator switches								-	-
A15.11.1.5.2. Ramp control switches								-	-
A15.11.1.5.3. Door indicator switches								-	-
A15.11.1.5.4. Door control switches								-	-
A15.12. 30 - ICE AND RAIN PROTECTION									
A15.12.1. 3010 - Airfoil Ice and Rain Protection TR: T.O. 1V-22(C)B-2DB-1 (IETMS)									
A15.12.1.1. Operational fundamentals								-	-
A15.12.1.2. Perform operational check	*							-	-
A15.12.1.3. Troubleshoot		*						-	-
A15.12.1.4. Inspect system components		*						-	-
A15.12.1.5. Remove/Inst all components									
A15.12.1.5.1. De-Ice Boots	*							-	-
A15.12.1.5.2. De-Ice Boot Pressure Switches	*							-	-
A15.12.1.5.3. Wing De-Ice Components								-	-
A15.12.1.5.4. De-Ice Boot Solenoid Valves								-	-
A15.12.2. 3040 - Rain Removal System (Windshield Wipers) TR: T.O. 1V-22(C)B-2DB-1 (IETMS)									
A15.12.2.1. Operational fundamentals								-	-
A15.12.2.2. Perform operational check	*							-	-
A15.12.2.3. Troubleshoot		*						-	-
A15.12.2.4. Inspect System Components		*						-	-
A15.12.2.5. Remove/Inst all components									
A15.12.2.5.1. Pump/motor assembly								-	-

CV-22 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Tag Start	Tag Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A15.12.2.5.2. Motor								-	-
A15.12.2.5.3. Wiper converters								-	-
A15.12.2.5.4. Associated windshield wiper components								-	-
A15.12.2.6. Rig windshield wiper system								-	-
A15.12.3. 3060 - Propeller/Rotor de-ice system TR: T.O. 1V-22(C)B-2DB-1 (IETMS)									
A15.12.3.1. Operational fundamentals								-	-
A15.12.3.2. Perform operational check	*							-	-
A15.12.3.3. Troubleshoot		*						-	-
A15.12.3.4. Inspect system components		*						-	-
A15.12.3.5. Remove/Install components									
A15.12.3.5.1. De-ice distributors	*							-	-
A15.12.3.5.2. Associated Components								-	-
A15.12.4. 3080 - Ice protection system detection/controls TR: T.O. 1V-22(C)B-2DB-1 (IETMS)									
A15.12.4.1. Operational fundamentals								-	-
A15.12.4.2. Perform operational check	*							-	-
A15.12.4.3. Troubleshoot		*						-	-
A15.12.4.4. Inspect system components		*						-	-
A15.12.4.5. Remove/Install components									
A15.12.4.5.1. Master ice protection controller	*							-	-
A15.12.4.5.2. Nacelle ice protection control units	*							-	-
A15.12.4.5.3. Associated components								-	-
A15.13. 32 - LANDING GEAR									
A15.13.1. 3200 - Landing gear system TR: T.O. 1V-22(C)B-2DB-1 (IETMS)									
A15.13.1.1. Operational fundamentals								-	-
A15.13.1.2. Perform operational check	*							-	-
A15.13.1.3. Inspect system components		*						-	-
A15.13.1.4. Troubleshoot		*						-	-
A15.13.1.5. Remove/Install components									
A15.13.1.5.1. Landing gear control unit	*							-	-
A15.13.1.5.2. Miscellaneous landing gear electrical components								-	-
A15.13.2. 3210 - Main Landing Gear System (MLG) TR: T.O. 1V-22(C)B-2DB-1 (IETMS)									
A15.13.2.1. Rig MLG electrical components								-	-
A15.13.2.2. Remove/Install MLG weight on wheel switches	*							-	-

CV-22 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A15.13.3. 3220 - Nose Landing Gear System (NLG) TR: T.O. 1V-22(C)B-2DB-1 (IETMS)									
A15.13.3.1. Rig NLG electrical components								-	-
A15.13.3.2 Remove/Install NLG weight on wheels switches	*							-	-
A15.13.4. 3231 - Emergency Extension System TR: T.O. 1V-22(C)B-2DB-1 (IETMS)									
A15.13.4.1. Perform operational check	*							-	-
A15.13.5. 3240 - Wheel Braking System TR: T.O. 1V-22(C)B-2DB-1 (IETMS)									
A15.13.5.1. Operational fundamentals								-	-
A15.13.6. 3250 - Nose Wheel Steering (NWS) System TR: T.O. 1V-22(C)B-2DB-1 (IETMS)									
A15.13.6.1. Operational fundamentals								-	-
A15.13.6.2. Perform operational check	*							-	-
A15.13.6.3. Troubleshoot		*						-	-
A15.13.6.4. Inspect system components		*						-	-
A15.13.6.5. Remove/Install NWS Range Switch								-	-
A15.13.7. 3260 - Landing Gear Position & Warning System TR: T.O. 1V-22(C)B-2DB-1 (IETMS)									
A15.13.7.1. Remove/Install components									
A15.13.7.1.1. External gear down light								-	-
A15.13.7.1.2. MLG uplock limit switches	*							-	-
A15.13.7.1.3. MLG downlock limit switches	*							-	-
A15.13.7.1.4. NLG uplock limit switches	*							-	-
A15.13.7.1.5. NLG downlock limit switches	*							-	-
A15.14. 33 – LIGHTING									
A15.14.1. 300 - Lighting System TR: T.O. 1V-22(C)B-2DB-1 (IETMS)									
A15.14.1.1. Operational fundamentals								-	-
A15.14.1.2. Perform operational check	*							-	-
A15.14.1.3. Troubleshoot		*						-	-
A15.14.1.4. Inspect system components		*						-	-
A15.14.2. 3310 - Flight Compartment Lighting TR: T.O. 1V-22(C)B-2DB-1 (IETMS)									
A15.14.2.1. Remove/Install flight compartment lighting system components								-	-
A15.14.3. 3320 - Cabin Lighting TR: T.O. 1V-22(C)B-2DB-1 (IETMS)									
A15.14.3.1. Remove/Install cabin lighting system components								-	-

CV-22 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A Tag Start	B Tag Complete	C Trainee Initials	D Trainer Initials	E Certifier Initials	A 3 Level Course	B 5 Level
A15.14.4. 3340 - External Lighting TR: T.O. 1V-22(C)B-2DB-1 (IETMS)									
A15.14.4.1. Remove/Install external lighting system components								-	-
A15.14.5. 3350 - Emergency Lighting TR: T.O. 1V-22(C)B-2DB-1 (IETMS)									
A15.14.5.1. Troubleshoot system (EELS)		*						-	-
A15.14.5.2. Remove/Install components									
A15.14.5.2.1. Emergency lighting control unit	*							-	-
A15.14.5.2.2. Associated emergency lighting components								-	-
A15.14.6. 3360 - Lighting Control TR: T.O. 1V-22(C)B-2DB-1 (IETMS)									
A15.14.6.1. Remove/Install components									
A15.14.6.1.1. Primary lighting control unit	*							-	-
A15.14.6.1.2. Secondary lighting control unit	*							-	-
A15.14.6.1.3. Associated lighting control components	*							-	-
A15.15. 35 - OXYGEN/NITROGEN									
A15.15.1. 3510 - Crew System TR: T.O. 1V-22(C)B-2DB-1 (IETMS) T.O. 15X-1-1									
A15.15.1.1. Operational fundamentals								-	-
A15.15.1.2. Perform operational and leak check	*							-	-
A15.15.1.3. Troubleshoot		*						-	-
A15.15.1.4. Inspect system components		*						-	-
A15.15.1.5. Remove/Install system components	*							-	-
A15.15.2. 3511 - Oxygen Distribution System TR: T.O. 1V-22(C)B-2DB-1 (IETMS) T.O. 15X-1-1									
A15.15.2.1. Operational fundamentals								-	-
A15.15.2.2. Perform operational and leak check	*							-	-
A15.15.2.3. Troubleshoot		*						-	-
A15.15.2.4. Inspect system components		*						-	-
A15.15.2.5. Remove/Install System Components								-	-
A15.15.3. 3540 - Oxygen/Nitrogen generating system TR: T.O. 1V-22(C)B-2DB-1 (IETMS) T.O. 15X-1-1									
A15.15.3.1. Troubleshoot system								-	-
A15.15.3.2. Remove/Install components									
A15.15.3.2.1. Concentrator assembly	*							-	-
A15.15.3.2.2. Outlet filters	*							-	-

CV-22 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A15.15.4. 3541 - Emergency Oxygen System TR: T.O. 1V-22(C)B-2DB-1 (IETMS) T.O. 00-25-172									
A15.15.4.1. Perform operational and leak check								-	-
A15.15.4.2. Inspect system components		*						-	-
A15.15.4.3. Troubleshoot system		*						-	-
A15.15.4.4. Remove/Install emergency O2 bottle	*							-	-
A15.15.4.5. Service/De-service emergency O2 bottle								-	-
A15.15.5. 3550 - N2 distribution system TR: T.O. 1V-22(C)B-2DB-1 (IETMS)									
A15.15.5.1. Operational fundamentals								-	-
A15.15.5.2. Perform operational and leak check								-	-
A15.15.5.3. Inspect system components		*						-	-
A15.15.5.4. Troubleshoot System		*						-	-
A15.15.5.5. Remove/Install Associated N2 Distribution Components	*							-	-
A15.16. 42 - AIRCRAFT INTEGRATED WIRING									
A15.16.1. 4210 - Integrated Wiring System (IWS) Harness TR: T.O. 1V-22(C)B-2DB-1 (IETMS)									
A15.16.1.1. Perform continuity checks	*							-	-
A15.16.1.2. Inspect associated IWS harnesses								-	-
A15.16.1.3. Repair associated IWS harnesses								-	-
A15.16.1.4. Troubleshoot IWS harnesses		*						-	-
A15.16.1.5. Remove/Install associated IWS harnesses								-	-
A15.16.2. 4220 - Conventional Wire Harness TR: T.O. 1V-22(C)B-2DB-1 (IETMS)									
A15.16.2.1. Perform continuity checks	*							-	-
A15.16.2.2. Inspect conventional wire harnesses								-	-
A15.16.2.3. Repair conventional wire harnesses								-	-
A15.16.2.4. Troubleshoot conventional wire harnesses		*						-	-
A15.16.2.5. Remove/Install conventional wire harnesses								-	-
A15.16.3. 4270 - Wire Integration Assembly (WIA) TR: T.O. 1V-22(C)B-2DB-1 (IETMS)									
A15.16.3.1. Perform integrity checks	*							-	-
A15.16.3.2. Inspect WIAs		*						-	-
A15.16.3.3. Repair WIAs								-	-
A15.16.3.4. Remove/Install Miscellaneous WIAs	*							-	-
A15.16.3.5. Troubleshoot Wire Integration Assembly Malfunctions		*						-	-

CV-22 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Trng Start	Trng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A15.17. 46 - SYSTEM INTEGRATION AND DISPLAY TR: T.O. 1V-22(C)B-2DB-1 (IETMS)									
A15.17.1. System integration and display system theory of operation								-	-
A15.17.2. Operate cockpit management system	*							-	-
A15.17.3. Utilize program loader cartridge- upload/retrieve maintenance/VSLED data	*							-	-
A15.17.4. Utilize aircraft maintenance event ground station (AMEGS)	*							-	-
A15.17.5. Analyze AMEGS Data	*							-	-
A15.18. 53 - FUSELAGE TR: T.O. 1V-22(C)B-2DB-1 (IETMS)									
A15.18.1. Remove/Install components									
A15.18.1.1. Fuselage Panels								-	-
A15.18.1.2. Cabin Floor Panels								-	-
A15.19. 54 - NACELLES TR: T.O. 1V-22(C)B-2DB-1 (IETMS)									
A15.19.1. Remove/Install nacelle structural panels								-	-
A15.20. 55 - EMPENNAGE TR: T.O. 1V-22(C)B-2DB-1 (IETMS)									
A15.20.1. Remove/Install empennage panels								-	-
A15.21. 56 - WINDOWS AND CANOPIES TR: T.O. 1V-22(C)B-2DB-1 (IETMS), 11A-1-33									
A15.21.1. Remove/Install components									
A15.21.1.1. Pilot & copilot pyrotechnic egress components	*							-	-
A15.21.1.2. Cabin pyrotechnic egress components	*							-	-
A15.22. 57 - WING/ NACELLE									
A15.22.1. 5700 - Wing/Nacelle General TR: 1V-22(C)B-2DB-1 (IETMS)									
A15.22.1.1. Remove/Install wing panels								-	-
A15.22.2. 5780 - Wing Stow Control TR: T.O. 1V-22(C)B-2DB-1 (IETMS)									
A15.22.2.1. Operational fundamentals								-	-
A15.22.2.2. Perform operational check	*							-	-
A15.22.2.3. Trace signal/data flow								-	-
A15.22.2.4. Inspect system components		*						-	-
A15.22.2.5. Troubleshoot system		*						-	-
A15.22.2.6. Remove/Install components									
A15.22.2.6.1. Azimuth switches								-	-
A15.22.2.6.2. Blade fold wing stow control panel								-	-

CV-22 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Trng Start	Trng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A15.23. 62 - PROPROTOR SYSTEM									
A15.23.1. 6221/6222 - Hub, Fairing and Pendulum Dampener TR: T.O. 1V-22(C)B-2DB-1 (IETMS)									
A15.23.1.1. Remove/Install components									
A15.23.1.1.1. Prop rotor spinner cover panels								-	-
A15.23.1.1.2. Blade/grip fairings								-	-
A15.23.1.1.3. Central de-ice distributor (CDD)	*							-	-
A15.23.2. 6240 - Electrical prop rotor control system interface TR: T.O. 1V-22(C)B-2DB-1 (IETMS)									
A15.23.2.1. Inspect system components	*							-	-
A15.23.2.2. Troubleshoot system		*						-	-
A15.23.2.3. Remove/Install LH/RH slip ring stand pipe assembly	*							-	-
A15.24. 63 - DRIVE SYSTEM									
A15.24.1. 6321 thru 6325 - Gearboxes assemblies TR: T.O. 1V-22(C)B-2DB-1 (IETMS)									
A15.24.1.1. Operational fundamentals								-	-
A15.24.1.2. Troubleshoot		*						-	-
A15.24.1.3. Remove/Install components									
A15.24.1.3.1. Oil temperature/level switches/transducers		*						-	-
A15.24.1.3.2. Miscellaneous electrical components	*							-	-
A15.24.2. 6321/6322 – Prop rotor gearbox (PRGB) TR: T.O. 1V-22(C)B-2DB-1 (IETMS)									
A15.24.2.1. Inspect components									
A15.24.2.1.1. Debris sensors	*							-	-
A15.24.2.1.2. Magnetic plugs	*							-	-
A15.24.2.2. Remove/Install components									
A15.24.2.2.1 Debris sensors	*							-	-
A15.24.2.2.2. Magnetic plugs	*							-	-
A15.24.3. 6323/6324 - Tilt-Axis Gearbox (TAGB) TR: T.O. 1V-22(C)B-2DB-1 (IETMS)									
A15.24.3.1. Inspect debris sensor	*							-	-
A15.24.3.2. Remove/Install debris sensor	*							-	-
A15.24.4. 6325 - Mid-Wing Gearbox (MWGB) & Rotor Brake TR: T.O. 1V-22(C)B-2DB-1 (IETMS)									
A15.24.4.1. Inspect debris sensor	*							-	-
A15.24.4.2. Remove/Install components									

CV-22 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A15.24.4.2.1. Debris sensor	*							-	-
A15.24.4.2.2. Proximity sensor	*							-	-
A15.25. 66 - BLADE FOLD									
A15.25.1. 6600 - Blade Fold System TR: T.O. 1V-22(C)B-2DB-1 (IETMS)									
A15.25.1.1. Operational fundamentals								-	-
A15.25.1.2. Perform operational checkout	*							-	-
A15.25.1.3. Inspect system components	*							-	-
A15.25.1.4. Troubleshoot System		*						-	-
A15.25.1.5. Remove/Install components									
A15.25.1.5.1. LH/RH blade fold control units	*							-	-
A15.25.1.5.2.. Green/White/Red blade LH/RH LE proximitysensors	*							-	-
A15.25.1.5.3.. Green/White/Red blade LH/RH TE proximitysensors	*							-	-
A15.25.1.5.4. Green/White blade LH/RH fold sensors	*							-	-
A15.25.1.5.5. Red blade LH/RH lock pin sensors	*							-	-
A15.25.1.5.6. Green/White/Red LH/RH LE shear pinmonitors	*							-	-
A15.25.1.5.7. Green/White/Red LH/RH TE shear pinmonitors	*							-	-
A15.25.1.5.8. Associated BFCS electrical components	*							-	-
A15.26. 71 - AE1107C ENGINE									
A15.26.1. 7180 - Engine Air Particle Separator (EAPS) TR: T.O. 1V-22(C)B-2DB-1 (IETMS)									
A15.26.1.1. Operational fundamentals								-	-
A15.26.1.2. Perform operational check	*							-	-
A15.26.1.3. Inspect system components		*						-	-
A15.26.1.4. Troubleshoot		*						-	-
A15.26.1.5. Remove/Install components									
A15.26.1.5.1. EAPS door								-	-
A15.26.1.5.2. EAPS actuator	*							-	-
A15.27. 74 - ENGINE IGNITION									
A15.27.1. 7411 - Low Voltage Power Supply TR: T.O. 1V-22(C)B-2DB-1 (IETMS)									
A15.27.1.1. Troubleshoot permanent magnetic alternator (PMA) malfunctions		*						-	-
A15.27.2. 7413 - Ignition Exciters TR: 1V-22(C)B-2DB-1 (IETMS)									
A15.27.2.1. Troubleshoot ignition exciter malfunctions								-	-

CV-22 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A15.28. 77 - ENGINE INDICATING									
A15.28.1. 7750 - Engine Monitoring System TR: T.O. 1V-22(C)B-2DB-1 (IETMS)									
A15.28.1.1. Troubleshoot engine monitoring system harness malfunctions		*						-	-
A15.28.1.2. Remove/Install components									
A15.28.1.2.1. Engine Monitoring System (EMS) Harness (Green)	*							-	-
A15.28.1.2.2. Engine Monitoring System (EMS) Harness (Yellow)	*							-	-
A15.28.1.2.3. Engine Monitoring System (EMS) Harness (Blue)	*							-	-

B-52 TRAINING REQUIREMENTS

		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
1. Tasks, Knowledge And Technical References				A	B	C	D	E	A 3 Level	B 5 Level
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
ATTACHMENT 16										
NOTE 1: In addition to attachment 2, the tasks and knowledge in attachment 16 will be performed by personnel assigned to maintain B-52 aircraft.										
NOTE 2: Users are responsible for annotating training references to identify current references pending ST S revision.										
NOTE 3: Address comments and recommended changes through Unit Training Managers to the MAJCOM Functional Area Manager @ HQ AFGSC/A4VA, 965 Twining Drive Bldg. 5341 Suite 102, Barksdale AFB, IL 71110-2415; or call DSN 781-8810. MAJCOM Training and Functional Managers forward inputs to the AETC Training Manager, DSN 736-6297.										
A16.1.	AC POWER SYSTEM TR: T.O. 1B-52H-2-12 SERIES									
A16.1.1.	Operational fundamentals								-	-
A16.1.2.	Perform operational check	*							-	-
A16.1.3.	Troubleshoot system		*						-	-
A16.1.4.	Inspect system components		*						-	-
A16.1.5.	Operate load bank	*							-	-
A16.1.6.	Adjust Constant Speed Drive (CSD) basic speeds	*							-	-
A16.1.7.	Remove/Install Components									
A16.1.7.1.	Generator breaker								-	-
A16.1.7.2.	Generator	*							-	-
A16.1.7.3.	Bus-tie circuit breaker								-	-
A16.1.7.4.	Current transformer								-	-
A16.1.7.5.	Survivability/Vulnerability (S/V) box								-	-
A16.1.7.6.	Frequency Reference Unit (FRU)								-	-
A16.1.7.7.	Frequency & Load Controller (F&LC)								-	-
A16.1.7.8.	Generator Control Panel (GCP)								-	-
A16.1.7.9.	Voltage regulator								-	-
A16.1.7.10.	Relays								-	-
A16.1.7.11.	Circuit breakers								-	-
A16.1.7.12.	Trip signal indicator								-	-
A16.2.	DC POWER SYSTEM TR: T.O. 1B-52H-2-12 SERIES									
A16.2.1.	Operational fundamentals								-	-
A16.2.2.	Perform operational check	*							-	-
A16.2.3.	Interrupted DC (IDC) power supply checkout								-	-
A16.2.4.	Non-Interrupted DC (NDC) power supply checkout	*							-	-
A16.2.5.	Troubleshoot system		*						-	-
A16.2.6.	Inspect system components		*						-	-
A16.2.7.	Use transformer-rectifier load bank								-	-
A16.2.8.	Remove/Install Components									
A16.2.8.1.	Aircraft battery	*							-	-
A16.2.8.2.	Transformer rectifier								-	-

B-52 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A16.2.8.3. Battery charger								-	-
A16.2.8.4. Circuit breakers								-	-
A16.2.8.5. Non-Interrupted DC (NDC) power supply								-	-
A16.2.8.6. Blocking diode								-	-
A16.3. EXTERNAL POWER SYSTEM TR: T.O.Applicable 1B-52H-2-12 SERIES									
A16.3.1. Operational fundamentals								-	-
A16.3.2. Perform operational check	*							-	-
A16.3.3. Troubleshoot system		*						-	-
A16.3.4. Inspect system components		*						-	-
A16.3.5. Remove/Install Components									
A16.3.5.1. Contactor								-	-
A16.3.5.2. Receptacle								-	-
A16.3.5.3. Relays								-	-
A16.4. LIGHTING SYSTEM TR: T.O.1B-52H-2-12 SERIES									
A16.4.1. Operational fundamentals								-	-
A16.4.2. Troubleshoot systems		*						-	-
A16.4.3. Inspect system components		*						-	-
A16.4.4. Operational Check									
A16.4.4.1. External	*							-	-
A16.4.4.2. Internal	*							-	-
A16.4.4.3. Emergency	*							-	-
A16.4.4.4. Air Refueling Receptacle	*							-	-
A16.4.5. Remove/Install Components									
A16.4.5.1. Control panel								-	-
A16.4.5.2. Control box								-	-
A16.4.5.3. Navigation flasher								-	-
A16.4.5.4. Exterior transformer								-	-
A16.4.5.5. Variable transformer control								-	-
A16.4.5.6. Dimmer								-	-
A16.4.5.7. Light assembly								-	-
A16.4.5.8. Flasher assembly								-	-
A16.4.5.9. Navigation/formation light								-	-
A16.4.5.10. Anti-collision light								-	-
A16.4.5.11. Landing light								-	-

B-52 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A16.4.5.12. Taxi light								-	-
A16.4.5.13. Terrain collision light								-	-
A16.4.5.14. Air Refueling Receptacle/Slipway Light								-	-
A16.4.5.15. Area light								-	-
A16.5. LANDING GEAR SYSTEM TR: T.O. 1B-52H-2-10 SERIES									
A16.5.1. Operational fundamentals								-	-
A16.5.2. Perform operational check	*							-	-
A16.5.3. Troubleshoot system		*						-	-
A16.5.4. Inspect system components		*						-	-
A16.5.5. Remove/Install Components									
A16.5.5.1. Control switches	*							-	-
A16.5.5.2. Warning horn								-	-
A16.5.5.3. Position indicator								-	-
A16.5.5.4. Tip gear not-in-trail switch								-	-
A16.5.5.5. Tip gear indicator switch								-	-
A16.6. ANTI-SKID SYSTEM TR: T.O. 1B-52H-2-10 SERIES									
A16.6.1. Operational fundamentals								-	-
A16.6.2. Perform operational check	*							-	-
A16.6.3. Troubleshoot system		*						-	-
A16.6.4. Inspect system components		*						-	-
A16.6.5. Remove/Install Components									
A16.6.5.1. Anti-skid detector	*							-	-
A16.6.5.2. Anti-skid shield	*							-	-
A16.7. PRIMARY FLIGHT CONTROL SYSTEM TR: T.O. 1B-52H-2-4 SERIES									
A16.7.1. Operational fundamentals								-	-
A16.7.2. Perform operational check of trim indication system	*							-	-
A16.7.3. Troubleshoot trim indication system		*						-	-
A16.7.4. Inspect trim indication system components		*						-	-
A16.7.5. Remove/Install Components									
A16.7.5.1. Stab trim control switch								-	-
A16.8. SECONDARY FLIGHT CONTROL SYSTEM TR: T.O. 1B-52H-2-4 SERIES									
A16.8.1. Flaps									
A16.8.1.1. Operational fundamentals								-	-

B-52 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials			Course	
A16.8.1.2. Perform operational check	*							-	-
A16.8.1.3. Troubleshoot system		*						-	-
A16.8.1.4. Inspect system components		*						-	-
A16.8.2. Speed Brakes									
A16.8.2.1. Operational fundamentals								-	-
A16.8.2.2. Perform operational check	*							-	-
A16.8.2.3. Troubleshoot system		*						-	-
A16.8.2.4. Inspect system components		*						-	-
A16.9. FIRE WARNING SYSTEM TR: T.O.1B-52H-2-7 SERIES									
A16.9.1. Operational fundamentals								-	-
A16.9.2. Perform operational check	*							-	-
A16.9.3. Troubleshoot system		*						-	-
A16.9.4. Inspect system components		*						-	-
A16.9.5. Remove/Install Components									
A16.9.5.1. Fire handle								-	-
A16.9.5.2. Fire detectors								-	-
A16.10. TAKEOFF WARNING SYSTEM TR: T.O.1B-52H-2-7 SERIES									
A16.10.1. Operational fundamentals								-	-
A16.10.2. Perform operational check	*							-	-
A16.10.3. Troubleshoot system		*						-	-
A16.10.4. Inspect system components		*						-	-
A16.10.5. Remove/Install Components									
A16.10.5.1. Throttle limit switches								-	-
A16.11. MASTER/CENTRAL CAUTION SYSTEM TR: T.O.1B-52H-2-12 SERIES									
A16.11.1. Operational fundamentals								-	-
A16.11.2. Perform master caution operational check								-	-
A16.11.3. Perform central caution operational check								-	-
A16.11.4. Troubleshoot system		*						-	-
A16.11.5. Inspect system components		*						-	-
A16.11.6. Remove/Install Components									
A16.11.6.1. Central caution panel								-	-
A16.11.6.2. Master caution light controller	*							-	-
A16.11.6.3. Flasher								-	-
A16.11.6.4. Light assembly								-	-

B-52 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A16.12. FUEL WARNING AND CONTROL SYSTEM TR: T.O.1B-52H-2-5 SERIES									
A16.12.1. Operational fundamentals								-	-
A16.12.2. Perform operational check	*							-	-
A16.12.3. Troubleshoot system		*						-	-
A16.12.4. Inspect system components		*						-	-
A16.12.5. Boost pump current check								-	-
A16.12.6. Remove/Install Components									
A16.12.6.1. Fuel management panel								-	-
A16.12.6.2. Fuel management switch	*							-	-
A16.12.6.3. Fuel flow flasher								-	-
A16.13. START AND IGNITION SYSTEM TR: T.O.1B-52H-2-7 SERIES									
A16.13.1. Operational fundamentals								-	-
A16.13.2. Perform cartridge starter circuit continuity check								-	-
A16.13.3. Troubleshoot system		*						-	-
A16.13.4. Inspect system components		*						-	-
A16.14. WINDSHIELD WIPER SYSTEM TR: T.O.1B-52H-2-3 SERIES									
A16.14.1. Operational fundamentals								-	-
A16.14.2. Perform operational check	*							-	-
A16.14.3. Troubleshoot system		*						-	-
A16.14.4. Inspect system components		*						-	-
A16.15. NESA ANTI-ICING SYSTEM TR: T.O.1B-52H-2-3 SERIES									
A16.15.1. Operational fundamentals								-	-
A16.15.2. Perform operational check	*							-	-
A16.15.3. Troubleshoot system		*						-	-
A16.15.4. Inspect system components		*						-	-
A16.15.5. Open/Close nose radome								-	-
A16.15.6. Remove/Install Components									
A16.15.6.1. Transformer								-	-
A16.15.6.2. Controller								-	-
A16.15.6.3. Thermal switch								-	-
A16.16. BOMB DOOR SYSTEM TR: T.O.1B-52H-2-4 SERIES T.O. 1B-52H-2-5 SERIES T.O. 1B-52H-2-31 SERIES									
A16.16.1. Operational fundamentals								-	-

B-52 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A Tng Start	B Tng Complete	C Trainee Initials	D Trainer Initials	E Certifier Initials	A 3 Level Course	B 5 Level
A16.16.2. Perform operational check	*							-	-
A16.16.3. Troubleshoot system		*						-	-
A16.16.4. Inspect system components		*						-	-
A16.16.5. Remove/Install Components									
A16.16.5.1. Limit Switch	*							-	-
A16.17. THERMAL FLASH BLINDNESS PROTECTION SYSTEM TR: T.O.1B-52H-2-12 SERIES									
A16.17.1. Operational fundamentals								-	-
A16.17.2. Perform operational check	*							-	-
A16.17.3. Troubleshoot system		*						-	-
A16.17.4. Inspect system components		*						-	-
A16.17.5. Remove/Install Components									
A16.17.5.1. Conditioner								-	-
A16.18. BLEED AIR DISTRIBUTION SYSTEM TR: T.O.1B-52H-2-3 SERIES									
A16.18.1. Operational fundamentals								-	-
A16.18.2. Perform operational check	*							-	-
A16.18.3. Perform leakage checks	*							-	-
A16.18.4. Troubleshoot system		*						-	-
A16.18.5. Inspect system components		*						-	-
A16.18.6. Hydrostatic check ducts								-	-
A16.18.7. Remove/Install Components									
A16.18.7.1. Ducts								-	-
A16.18.7.2. Bleed air POD valve	*							-	-
A16.18.7.3. Servo pressure regulator and torque motor								-	-
A16.18.7.4. Engine pre-cooler								-	-
A16.18.7.5. Check valves								-	-
A16.18.7.6. Body crossover/manifold valve								-	-
A16.18.7.7. Temperature controller								-	-
A16.18.7.8. Ejector valve								-	-
A16.18.7.9. Temperature sensor								-	-
A16.18.7.10. Ram air modulation valve								-	-
A16.19. ENGINE ANTI ICE TR: T.O.1B-52H-2-3 SERIES									
A16.19.1. Operational fundamentals								-	-
A16.19.2. Perform operational check	*							-	-

B-52 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A Tng Start	B Tng Complete	C Trainee Initials	D Trainer Initials	E Certifier Initials	A 3 Level Course	B 5 Level
A16.19.3. Troubleshoot system		*						-	-
A16.19.4. Inspect system components		*						-	-
A16.19.5. Remove/Install Components									
A16.19.5.1. Modulation/shut off valve	*							-	-
A16.19.5.2. Temperature sensor								-	-
A16.19.5.3. Control box								-	-
A16.19.5.4. Ducts								-	-
A16.20. AIR CONDITIONING SYSTEM TR: T.O.1B-52H-2-3 SERIES									
A16.20.1. Operational fundamentals								-	-
A16.20.2. Perform operational check	*							-	-
A16.20.3. Perform system leakage checks	*							-	-
A16.20.4. Troubleshoot system		*						-	-
A16.20.5. Service air cycle machine	*							-	-
A16.20.6. Inspect system components		*						-	-
A16.20.7. Remove/Install Components									
A16.20.7.1. Ducts								-	-
A16.20.7.2. Water separator	*							-	-
A16.20.7.3. Water separator coalescer								-	-
A16.20.7.4. Regulating and shut-off valve								-	-
A16.20.7.5. Catalytic filters								-	-
A16.20.7.6. Air cycle machine	*							-	-
A16.20.7.7. Temp sensor								-	-
A16.20.7.8. Anti-ice valve								-	-
A16.20.7.9. Ejector valve								-	-
A16.20.7.10. Retractable ram scoop/valve								-	-
A16.20.7.11. CTCScontroller								-	-
A16.20.7.12. ACS/MCS controller								-	-
A16.20.7.13. Control switch								-	-
A16.20.7.14. Re-circulation fan								-	-
A16.20.7.15. Secondary heat exchanger								-	-
A16.21. PRESSURIZATION SYSTEM TR: T.O.1B-52H-2-3 SERIES									
A16.21.1. Operational fundamentals								-	-
A16.21.2. Perform operational check	*							-	-
A16.21.3. Troubleshoot system		*						-	-
A16.21.4. Inspect system components		*						-	-

B-52 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A16.21.5. Remove/Install Components									
A16.21.5.1. Outflow/safety valve	*							-	-
A16.21.5.2. Pneumatic relay								-	-
A16.21.5.3. Pressure regulator/controller	*							-	-
A16.21.5.4. Filters								-	-
A16.21.5.5. Dump control valve								-	-
A16.22. LIQUID OXYGEN SYSTEM TR: AFI 91-203 T.O. 15X1-1 T.O. 42B5-1-2 T.O. 42E1-1-1 T.O. 1B-52H-2-13 SERIES									
A16.22.1. Operational fundamentals								-	-
A16.22.2. Perform operational check	*							-	-
A16.22.3. Perform system leak check	*							-	-
A16.22.4. Troubleshoot system		*						-	-
A16.22.5. Inspect system components		*						-	-
A16.22.6. Drain system	*							-	-
A16.22.7. Purge system	*							-	-
A16.22.8. Service system	*							-	-
A16.22.9. Procedures for cleaning components	*							-	-
A16.22.10. Remove/Install Components									
A16.22.10.1. Oxygen regulator	*							-	-
A16.22.10.2. Converter	*							-	-
A16.22.10.3. Build-up and vent valve	*							-	-
A16.22.10.4. Filler valve								-	-
A16.22.10.5. Check valve								-	-
A16.22.10.6. Distribution hoses								-	-
A16.22.10.7. Totalizer	*							-	-

C-40 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
ATTACHMENT 17 NOTE 1: In addition to attachment 2, personnel assigned to maintain C-40 aircraft will perform the tasks and knowledge in attachment 17. NOTE 2: Users are responsible for annotating training references to identify current references pending ST S revision. NOTE 3: Address comments and recommended changes through Unit Training Managers to the MAJCOM Maintenance Training Manager @ HQ AMC/ A4MMT, 402 Scott Drive Unit 2A2, Scott AFB, IL 62225-5308; or call DSN 779-4787. MAJCOM Training and Functional Managers forward inputs to the AETC Training Manager, DSN 736-6297.									
A17.1.	C-40 GENERAL ORGANIZATIONAL MAINTENANCE TR: AMM I AMM II LSM								
A17.1.1.	Flight-line safety precautions/security	*						-	-
A17.1.2.	Major structural areas	*						-	-
A17.1.3.	Aircraft danger areas	*						-	-
A17.1.4.	Aircraft commercial manuals familiarization(PMA)	*						-	-
A17.1.5.	FOD prevention/DOPP programs	*						-	-
A17.1.6.	Operate airstairs							-	-
A17.1.7.	General Maintenance Tasks TR: AMM I, AMM II, LSM T.O. 00-25-172 T.O. 00-25-234 AFI 11-218 14CFR121.374 AC 120-42B								
A17.1.7.1.	Inspect/Operate powered/non-powered aerospace ground equipment (AGE)							-	-
A17.1.7.2.	Open/close APU and engine cowlings							-	-
A17.1.7.3.	Apply/remove hydraulic power							-	-
A17.1.7.4.	Periodic/phase/isochronal work groups							-	-
A17.1.7.5.	Home station check (HSC)							-	-
A17.1.7.6.	Special/acceptance inspections							-	-
A17.1.7.7.	Remove and reinstall rack mounted components							-	-
A17.1.7.8.	Remove and reinstall proximity sensors							-	-
A17.1.7.9.	Remove and reinstall transducers/pressure sensors							-	-
A17.1.7.10.	Perform leak checks							-	-
A17.1.7.11	APU TR: AMM I AMM II LSM CH 49								
A17.1.7.11.1.	Perform APU run operation							-	-
A17.1.7.12.	Electrical System TR: AMM I AMM II LSM CH 24								
A17.1.7.12.1.	Apply/remove hangar power	*						-	-

C-40 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A17.1.7.12.2. Apply/remove ground power	*							-	-
A17.1.7.13. Extended operations (ETOPS) TR: ETOPS Classroom AC 120-42B CFR 121.374									
A17.1.7.13.1. Complete initial manufacturers ETOPS certification class								-	-
A17.1.7.13.2. Explain ETOPS concepts								-	-
A17.1.7.13.3. Perform application of ETOPS concepts								-	-
A17.2. C-40 AIR CONDITIONING AND PRESSURIZATION SYSTEM TR: AMM I AMM II 21 series									
A17.2.1. Distribution and equipment cooling TR: AMM I AMM II 21-20 through 21-28									
A17.2.1.1. Theory of operation								-	-
A17.2.1.2. Perform system operational check	*							-	-
A17.2.1.3. Isolate malfunctions	*							-	-
A17.2.1.4. Perform advanced troubleshooting		*						-	-
A17.2.1.5. Inspect system components		*						-	-
A17.2.1.6. Remove/Install system components									
A17.2.1.6.1. Ducting								-	-
A17.2.1.6.2. Recirculation fan								-	-
A17.2.1.6.3. Recirculation fan check valve								-	-
A17.2.1.6.4. Overboard exhaust valve								-	-
A17.2.1.6.5. Exhaust fan check valve								-	-
A17.2.2. Pressurization control system TR: AMM I 21-30 AMM II 21-31									
A17.2.2.1. Theory of Operation								-	-
A17.2.2.2. Perform system operational check	*							-	-
A17.2.2.3. Isolate malfunctions	*							-	-
A17.2.2.4. Perform advanced troubleshooting		*						-	-
A17.2.2.5. Inspect system components		*						-	-
A17.2.2.6. Remove/Install system components									
A17.2.2.6.1. Cabin pressure controller								-	-
A17.2.2.6.2. Out flow valve assembly								-	-
A17.2.2.6.3. Altitude pressure switch								-	-

C-40 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A Tng Start	B Tng Complete	C Trainee Initials	D Trainer Initials	E Certifier Initials	A 3 Level Course	B 5 Level
A17.2.3. Door area heating system TR: AMM I 21-40 AMM II 21-45									
A17.2.3.1. Theory of operation								-	-
A17.2.3.2. Perform system operational check	*							-	-
A17.2.3.3. Isolate malfunctions	*							-	-
A17.2.3.4. Perform advanced troubleshooting		*						-	-
A17.2.3.5. Inspect system components		*						-	-
A17.2.3.6. Remove/Install system components									
A17.2.3.6.1. Door area heaters								-	-
A17.2.3.6.1. Emergency escape door heater blankets								-	-
A17.2.4. Pack Flow and control and pack cooling system TR: AMM I 21-50 AMM II 21-51									
A17.2.4.1. Theory of operation								-	-
A17.2.4.2. Perform system operational check	*							-	-
A17.2.4.3. Isolate malfunctions	*							-	-
A17.2.4.4. Perform advanced troubleshooting		*						-	-
A17.2.4.5. Inspect system components		*						-	-
A17.2.4.6. Remove/Install system components									
A17.2.4.6.1. Water separator								-	-
A17.2.4.6.2. Air cycle machine								-	-
A17.2.4.6.3. Flow control shut off valve								-	-
A17.2.4.6.4. Low limit controller								-	-
A17.2.4.6.5. Ram air inlet controller								-	-
A17.2.4.6.6. Ram air inlet actuator								-	-
A17.2.5. Zone Temperature Control and Indication TR: AMM I 21-60 AMM II 21-61									
A17.2.5.1. Theory of operation								-	-
A17.2.5.2. Perform system operational check	*							-	-
A17.2.5.3. Isolate malfunctions	*							-	-
A17.2.5.4. Perform advanced troubleshooting		*						-	-
A17.2.5.5. Inspect system components		*						-	-
A17.2.5.6. Remove/Install system components									
A17.2.5.6.1. Cabin temperature controller								-	-
A17.2.5.6.2. Air mix valve								-	-
A17.2.5.6.3. Air conditioning accessory unit								-	-
A17.2.5.6.4. Temperature control valve								-	-

C-40 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A Tng Start	B Tng Complete	C Trainee Initials	D Trainer Initials	E Certifier Initials	A 3 Level Course	B 5 Level
A17.2.5.6.5. Primary heat exchanger and plenum/diffuser assembly								-	-
A17.2.5.6.6. Secondary heat exchanger and plenum/diffuser assembly								-	-
A17.2.5.6.7. Ozone converter								-	-
A17.3. C-40C ELECTRICAL POWER SYSTEMS TR: AMM I AMM II 24 SERIES									
A17.3.1. AC Generation Drive System TR: AMM I 24-10 AMM II 24-11									
A17.3.1.1. Theory of operation								-	-
A17.3.1.2. Perform system operational check	*							-	-
A17.3.1.3. Isolate malfunctions	*							-	-
A17.3.1.4. Perform advanced troubleshooting		*						-	-
A17.3.1.5. Inspect system components		*						-	-
A17.3.1.6. Remove/Install system components									
A17.3.1.6.1. Integrated drive generator								-	-
A17.3.2. AC Generation System TR: AMM I 24-20 AMM II 24-21									
A17.3.2.1. Theory of operation								-	-
A17.3.2.2. Perform system operational check	*							-	-
A17.3.2.3. Isolate malfunctions	*							-	-
A17.3.2.4. Perform advanced troubleshooting		*						-	-
A17.3.2.5. Inspect system components		*						-	-
A17.3.2.6. Remove/Inst all system components									
A17.3.2.6.1. Power distribution panel								-	-
A17.3.2.6.2. Rigid bus assembly								-	-
A17.3.2.6.3. Generator, bus tie and auxiliary power breakers								-	-
A17.3.2.6.4. AC system generator and APU module								-	-
A17.3.2.6.5. Generator drive and standby power module								-	-
A17.3.2.6.6. Electrical meters, battery and galley power module								-	-
A17.3.2.6.7. Current transformer								-	-
A17.3.2.6.8. Frequency converter								-	-
A17.3.3. DC Generation System TR: AMM I AMM II 24-31									
A17.3.3.1. Theory of operation								-	-
A17.3.3.2. Perform system operational check								-	-
A17.3.3.3. Isolate malfunctions								-	-
A17.3.3.4. Perform advanced troubleshooting								-	-

C-40 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Tag Start	Tag Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A17.3.3.5. Inspect system components								-	-
A17.3.3.6. Remove/Install system components									
A17.3.3.6.1. Battery								-	-
A17.3.3.6.2. Battery charger								-	-
A17.3.3.6.3. Remote control circuit breakers								-	-
A17.3.4. Standby Power System TR: AMM I AMM II 24-34									
A17.3.4.1. Theory of operation								-	-
A17.3.4.2. Perform system operational check	*							-	-
A17.3.4.3. Isolate malfunctions	*							-	-
A17.3.4.4. Perform advanced troubleshooting		*						-	-
A17.3.4.5. Inspect system components		*						-	-
A17.3.4.6. Remove/Install system components									
A17.3.4.6.1. Standby power control unit								-	-
A17.3.4.6.2. Static inverter								-	-
A17.4. C-40C FIRE PROTECTION TR: AMM I AMM II 26 SERIES									
A17.4.1. Engine Fire Detection TR: AMM I AMM II 26-11									
A17.4.1.1. Theory of operation								-	-
A17.4.1.2. Perform system operational check	*							-	-
A17.4.1.3. Isolate malfunctions	*							-	-
A17.4.1.4. Perform advanced troubleshooting		*						-	-
A17.4.1.5. Inspect system components		*						-	-
A17.4.1.6. Remove/Install system components									
A17.4.1.6.1. Engine and APU fire control panel								-	-
A17.4.1.6.2. Cargo fire control panel								-	-
A17.4.1.6.3. Engine fire detector element								-	-
A17.4.1.6.4. Engine fire detector assembly								-	-
A17.4.1.6.5. Engine fire detection harnesses								-	-
A17.4.2. Lavatory smoke detection TR: AMM I AMM II 26-14									
A17.4.2.1. Theory of operation								-	-
A17.4.2.2. Perform system operational check	*							-	-
A17.4.2.3. Isolate malfunctions	*							-	-
A17.4.2.4. Perform advanced troubleshooting		*						-	-

C-40 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A Tag Start	B Tag Complete	C Trainee Initials	D Trainer Initials	E Certifier Initials	A 3 Level Course	B 5 Level
A17.4.2.5. Inspect system components		*						-	-
A17.4.2.6. Remove/Install system components									
A17.4.2.6.1. Lavatory smoke detectors								-	-
A17.4.3. APU fire detection TR: AMM I AMM II 26-15									
A17.4.3.1. Theory of operation								-	-
A17.4.3.2. Perform system operational check	*							-	-
A17.4.3.3. Isolate malfunctions	*							-	-
A17.4.3.4. Perform advanced troubleshooting		*						-	-
A17.4.3.5. Inspect system components		*						-	-
A17.4.3.6. Remove/Install system components									
A17.4.3.6.1. APU overheat detector element								-	-
A17.4.3.6.2. APU overheat detector assembly								-	-
A17.4.3.6.3. APU fire warning horn								-	-
A17.4.4. Cargo bay smoke detection TR: AMM I AMM II 26-16									
A17.4.4.1. Theory of operation								-	-
A17.4.4.2. Perform system operational check	*							-	-
A17.4.4.3. Isolate malfunctions	*							-	-
A17.4.4.4. Perform advanced troubleshooting		*						-	-
A17.4.4.5. Inspect system components		*						-	-
A17.4.4.6. Remove/Install system components									
A17.4.4.6.1. Cargo bay smoke detectors								-	-
A17.4.4.6.2. Cargo electronic unit								-	-
A17.4.5. Wheel well, wing and lower AFT body overheat detection system TR: AMM I 26-17 through 26-18 AMM II 26-18									
A17.4.5.1. Theory of operation								-	-
A17.4.5.2. Perform system operational check	*							-	-
A17.4.5.3. Isolate malfunctions	*							-	-
A17.4.5.4. Perform advanced troubleshooting		*						-	-
A17.4.5.5. Inspect system components		*						-	-
A17.4.5.6. Remove/Install system components									
A17.4.5.6.1. Wing, wheel well and lower aft body overheat detection elements								-	-

C-40 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A Tng Start	B Tng Complete	C Trainee Initials	D Trainer Initials	E Certifier Initials	A 3 Level Course	B 5 Level
A17.4.6. Engine, APU, lavatory and cargo fire extinguishing bottle TR: AMM I AMM II 26-21 through 26-24									
A17.4.6.1. Theory of operation								-	-
A17.4.6.2. Perform system operational check	*							-	-
A17.4.6.3. Isolate malfunctions	*							-	-
A17.4.6.4. Perform advanced troubleshooting		*						-	-
A17.4.6.5. Inspect system components		*						-	-
A17.4.6.6. Remove/Install system components									
A17.4.6.6.1. Fire extinguishing bottle								-	-
A17.4.6.6.2. Fire extinguishing bottle squib								-	-
A17.4.6.6.3. APU remote control panel								-	-
A17.4.6.6.4. Cargo compartment fire extinguisher bottle								-	-
A17.4.6.6.5. Extinguisher monitor unit								-	-
A17.4.6.6.6. Lavatory waste compartment fire extinguishing bottle								-	-
A17.5. C-40C FLIGHT CONTROLS TR: AMM I AMM II 27-41, 27-62									
A17.5.1. Theory of operation								-	-
A17.5.2. Perform system operational check	*							-	-
A17.5.3. Isolate malfunctions	*							-	-
A17.5.4. Perform advanced troubleshooting		*						-	-
A17.5.5. Inspect system components		*						-	-
A17.5.6. Remove/Install system components									
A17.5.6.1. Stabilizer trim motor								-	-
A17.5.6.2. Stabilizer trim switches								-	-
A17.5.6.3. Auto speed brake actuator								-	-
A17.6. C-40C FUEL CONTROL AND WARNING SYSTEM TR: AMM I AMM II 28 SERIES									
A17.6.1. Theory of operation								-	-
A17.6.2. Perform system operational check	*							-	-
A17.6.3. Isolate malfunctions	*							-	-
A17.6.4. Perform advanced troubleshooting		*						-	-
A17.6.5. Inspect system components		*						-	-
A17.6.6. Remove/Install system components									
A17.6.6.1. Emergency fuel shutoff battery								-	-
A17.6.6.2. Fuel system module P5-2								-	-

C-40 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Tag Start	Tag Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A17.7. C-40C ICE AND RAIN PROTECTION TR: AMM I AMM II 30 SERIES									
A17.7.1. Wing Thermal Anti-Icing									
A17.7.1.1. Theory of Operation								-	-
A17.7.1.2. Perform system operational check	*							-	-
A17.7.1.3. Isolate malfunctions	*							-	-
A17.7.1.4. Perform advanced troubleshooting		*						-	-
A17.7.1.5. Inspect system components		*						-	-
A17.7.1.6. Remove/Install system components									
A17.7.1.6.1. Wing thermal anti-ice valve								-	-
A17.7.1.6.2. Ground wing thermal anti-icing solenoid valve								-	-
A17.7.1.6.3. Wing anti-ice telescoping duct								-	-
A17.7.1.6.4. Engine and wing anti-ice panel								-	-
A17.7.2. Control cabin window anti-icing system TR: AMM I AMM II 30-41									
A17.7.2.1. Theory of operation								-	-
A17.7.2.2. Perform system operational check	*							-	-
A17.7.2.3. Isolate malfunctions	*							-	-
A17.7.2.4. Perform advanced troubleshooting		*						-	-
A17.7.2.5. Inspect system components		*						-	-
A17.7.2.6. Remove/Install system components									
A17.7.2.6.1. Window thermal switch								-	-
A17.7.2.6.2. Window/pitot heat module P5-9								-	-
A17.8. C-40C LANDING GEAR TR: AMM I AMM II 32 SERIES									
A17.8.1. Air/ground system TR: AMM I AMM II 32-09									
A17.8.1.1. Theory of operation								-	-
A17.8.1.2. Perform system operational check	*							-	-
A17.8.1.3. Isolate malfunctions	*							-	-
A17.8.1.4. Perform advanced troubleshooting		*						-	-
A17.8.1.5. Inspect system components		*						-	-
A17.8.1.6. Remove/Install system components									
A17.8.1.6.1. Main landing gear air/ground sensor								-	-
A17.8.1.6.2. Nose landing gear air/ground sensor								-	-
A17.8.1.6.3. Proximity switch electronics unit (PSEU)								-	-

C-40 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A17.8.2. Landing gear control system TR: AMM I AMM II 32-31									
A17.8.2.1. Theory of operation								-	-
A17.8.2.2. Perform system operational check								-	-
A17.8.2.3. Isolate malfunctions								-	-
A17.8.2.4. Perform advanced troubleshooting								-	-
A17.8.2.5. Inspect system components								-	-
A17.8.2.6. Remove/Install system components									
A17.8.2.6.1. Landing gear control lever module								-	-
A17.8.2.6.2. Landing gear control lever lock solenoid								-	-
A17.8.3. Anti-skid/autobrake system TR: AMM I AMM II 32-42									
A17.8.3.1. Theory of operation								-	-
A17.8.3.2. Perform system operational check								-	-
A17.8.3.3. Isolate malfunctions								-	-
A17.8.3.4. Perform advanced troubleshooting								-	-
A17.8.3.5. Inspect system components								-	-
A17.8.3.6. Remove/Install system components									
A17.8.3.6.1. Wheel anti-skid wheel speed transducer								-	-
A17.8.3.6.2. Autobrake selector switch								-	-
A17.8.4. Landing gear position indicating and warning system TR: AMM I AMM II 32-61									
A17.8.4.1. Theory of operation								-	-
A17.8.4.2. Perform system operational check	*							-	-
A17.8.4.3. Isolate malfunctions	*							-	-
A17.8.4.4. Perform advanced troubleshooting		*						-	-
A17.8.4.5. Inspect system components		*						-	-
A17.9. C-40C LIGHTS TR: AMM I AMM II 33 SERIES									
A17.9.1. Theory of operation								-	-
A17.9.2. Perform system operational check	*							-	-
A17.9.3. Isolate malfunctions	*							-	-
A17.9.4. Perform advanced troubleshooting		*						-	-
A17.9.5. Inspect system components		*						-	-
A17.9.6. Remove/Install system components									
A17.9.6.1. Captain/first officer lighting module								-	-

C-40 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A17.9.6.2. Master caution and warning system annunciator								-	-
A17.9.6.3. Dimmer control unit								-	-
A17.9.6.4. Miscellaneous light assemblies								-	-
A17.9.6.5. Ballast								-	-
A17.9.6.6. Fixed/retractable landing lights								-	-
A17.9.6.7. Emergency lights power supply/batterypack								-	-
A17.10. C-40C OXYGEN TR: AMM I AMM II 35 SERIES									
A17.10.1. Crew Oxygen TR: AMM I 35-10 AMM II 35-12									
A17.10.1.1. Theory of operation								-	-
A17.10.1.2. Perform system operational check	*							-	-
A17.10.1.3. Isolate malfunctions	*							-	-
A17.10.1.4. Perform advanced troubleshooting		*						-	-
A17.10.1.5. Inspect system components		*						-	-
A17.10.1.6. Remove/Install system components									
A17.10.1.6.1. Crew oxygen cylinder								-	-
A17.10.1.6.2. Pressure reducing regulator/transducer assembly								-	-
A17.10.1.6.3. Crew pressure oxygen pressure indicator								-	-
A17.10.1.6.4. Discharge indicator disc								-	-
A17.10.1.6.5. Remote fill panel pressure indicator								-	-
A17.10.1.6.6. Remote fill panel and fill valve								-	-
A17.10.1.6.7. Crew oxygen mask/stowage box								-	-
A17.10.1.6.8. Crew oxygen mask/regulator								-	-
A17.10.2. Passenger Oxygen System TR: AMM I 35-20 AMM II 35-22									
A17.10.2.1. Theory of operation								-	-
A17.10.2.2. Perform system operational check	*							-	-
A17.10.2.3. Isolate malfunctions	*							-	-
A17.10.2.4. Perform advanced troubleshooting		*						-	-
A17.10.2.5. Inspect system components		*						-	-
A17.10.2.6. Remove/Install system components									
A17.10.2.6.1. Oxygen generator								-	-
A17.10.2.6.2. Oxygen mask door latch actuator								-	-
A17.10.2.6.3. Passenger oxygen mask								-	-
A17.10.2.6.4. Altitude pressure switch								-	-

C-40 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Tag Start	Tag Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A17.11. C-40C PNEUMATIC SYSTEM TR: AMM I AMM II 36 SERIES									
A17.11.1. Engine bleed air distribution system									
A17.11.1.1. Theory of operation								-	-
A17.11.1.2. Perform system operational check	*							-	-
A17.11.1.3. Isolate malfunctions	*							-	-
A17.11.1.4. Perform advanced troubleshooting		*						-	-
A17.11.1.5. Inspect system components		*						-	-
A17.11.1.6. Remove/Install system components									
A17.11.1.6.1. Bleed air check valve (5th-stage)								-	-
A17.11.1.6.2. Bleed air regulator	*							-	-
A17.11.1.6.3. Pressure regulating and shut off valve	*							-	-
A17.11.1.6.4. High stage valve		*						-	-
A17.11.1.6.5. High stage regulator		*						-	-
A17.11.2. Bleed Air Precooler System TR: AMM I AMM II 36-12									
A17.11.2.1. Theory of operation								-	-
A17.11.2.2. Perform system operational check								-	-
A17.11.2.3. Isolate malfunctions								-	-
A17.11.2.4. Perform advanced troubleshooting								-	-
A17.11.2.5. Inspect system components								-	-
A17.11.2.6. Remove/Install system components									
A17.11.2.6.1. Bleed air precooler								-	-
A17.11.2.6.2. Precooler control valve								-	-
A17.11.3. Pneumatic manifold system TR: AMM I AMM II 36-13									
A17.11.3.1. Theory of operation								-	-
A17.11.3.2. Perform system operational check	*							-	-
A17.11.3.3. Isolate malfunctions	*							-	-
A17.11.3.4. Perform advanced troubleshooting		*						-	-
A17.11.3.5. Inspect system components		*						-	-
A17.11.3.6. Remove/Install system components									
A17.11.3.6.1. Bleed air isolation valve								-	-
A17.11.3.6.2. Bleed air ducts								-	-

C-40 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A17.11.4. Pressure indicating system TR: AMM I 36-20 AMM II 36-21									
A17.11.4.1. Theory of operation								-	-
A17.11.4.2. Perform system operational check	*							-	-
A17.11.4.3. Isolate malfunctions	*							-	-
A17.11.4.4. Perform advanced troubleshooting		*						-	-
A17.11.4.5. Inspect system components		*						-	-
A17.11.4.6. Remove/Install system components									
A17.11.4.6.1. Dual duct pressure indicator								-	-
A17.12. C-40C WATER/WASTE TR: AMM I AMM II 38 SERIES									
A17.12.1. Theory of operation								-	-
A17.12.2. Perform system operational check	*							-	-
A17.12.3. Isolate malfunctions	*							-	-
A17.12.4. Perform advanced troubleshooting		*						-	-
A17.12.5. Inspect system components		*						-	-
A17.12.6. Remove/Install system components									
A17.12.6.1. Passenger water sterilization unit								-	-
A17.12.6.2. Water boiler	*							-	-
A17.12.6.3. Water tank air compressor	*							-	-
A17.12.6.4. Flush control module		*						-	-
A17.12.6.5. Vacuum blower		*						-	-
A17.13. C-40C INERT GAS SYSTEM TR: AMM I AMM II 47 SERIES									
A17.13.1. Air Separation Unit TR: AMM I 47-10 AMM II 47-11									
A17.13.1.1. Theory of operation								-	-
A17.13.1.2. Perform system operational check	*							-	-
A17.13.1.3. Isolate malfunctions	*							-	-
A17.13.1.4. Perform advanced troubleshooting		*						-	-
A17.13.1.5. Inspect system components		*						-	-
A17.13.1.6. Remove/Install system components									
A17.13.1.6.1. Air separation module								-	-
A17.13.1.6.2. High flow valve								-	-
A17.13.1.6.3. Over temperature shut off valve								-	-

C-40 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Tag Start	Tag Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A17.13.2. Nitrogen generation system (NGS) control system TR: AMM I 47-30 AMM II 47-31									
A17.13.2.1. Theory of operation								-	-
A17.13.2.2. Perform system operational check	*							-	-
A17.13.2.3. Isolate malfunctions	*							-	-
A17.13.2.4. Perform advanced troubleshooting	*							-	-
A17.13.2.5. Inspect system components	*							-	-
A17.13.2.6. Remove/Install system components									
A17.13.2.6.1. Nitrogen generation system (NGS) controller								-	-
A17.13.2.6.2. BITE display unit								-	-
A17.13.2.6.3. Operability indicator								-	-
A17.13.3. Thermal control unit TR: AMM I 47-10 AMM II 47-32									
A17.13.3.1. Theory of operation								-	-
A17.13.3.2. Perform system operational check	*							-	-
A17.13.3.3. Isolate malfunctions	*							-	-
A17.13.3.4. Perform advanced troubleshooting		*						-	-
A17.13.3.5. Inspect system components		*						-	-
A17.13.3.6. Remove/Install system components									
A17.13.3.6.1. NGS shut off valve								-	-
A17.13.3.6.2. Ozone converter								-	-
A17.13.3.6.3. Heat exchanger								-	-
A17.13.3.6.4. NGS filter								-	-
A17.13.3.6.5. Ram air valve								-	-
A17.13.4. Indication air separation unit/thermal control unit TR: AMM I 47-40 AMM II 47-42 through 47-43									
A17.13.4.1. Theory of operation								-	-
A17.13.4.2. Perform system operational check	*							-	-
A17.13.4.3. Isolate malfunctions	*							-	-
A17.13.4.4. Perform advanced troubleshooting		*						-	-
A17.13.4.5. Inspect system components		*						-	-
A17.14. C-40C START AND IGNITION TR: AMM FIM LSM CH 70 through 80									
A17.14.1. Theory of operation								-	-
A17.14.2. Perform system operational check	*							-	-

C-40 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A17.14.3. Isolate malfunctions	*							-	-
A17.14.4. Perform advancedtroubleshooting		*						-	-
A17.14.5. Inspect system components		*						-	-
A17.14.6. Remove/Install system components									
A17.14.6.1. Start power unit (APU)								-	-
A17.14.6.2. Start converter unit (APU)								-	-
A17.14.6.3. Electronic control unit (APU)								-	-
A17.14.6.4. Electronic engine control (EEC)								-	-
A17.15. C-40C DOORS TR: AMM I AMM II 52 SERIES									
A17.15.1. Theory of operation								-	-
A17.15.2. Perform system operational check	*							-	-
A17.15.3. Isolate malfunctions	*							-	-
A17.15.4. Perform advancedtroubleshooting		*						-	-
A17.15.5. Inspect system components		*						-	-
A17.15.6. Remove/Install system components									
A17.15.6.1. Airstair door lockpin actuator								-	-
A17.15.6.2. Airstair motor								-	-
A17.15.6.3. Airstair door actuator								-	-
A17.15.6.4. Airstair door actuator normal systemmotor								-	-
A17.15.6.5. Airstair door standby systemmotor								-	-
A17.15.6.6. Miscellaneous fuselage door warning systemswit ches								-	-

RC/TC/OC/WC-135 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A	B
	5	7	Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Level	5 Level
ATTACHMENT 18									
NOTE 1: In addition to attachment 2, the tasks and knowledge in attachment 18 will be performed by personnel assigned to maintain RC/TC/OC/WC aircraft.									
NOTE 2: Users are responsible for annotating training references to identify current references pending ST Srevision.									
NOTE 3: Address comments and recommended changes through Unit Training Managers to the MAJCOM Maintenance Training Manager @ HQ AMC/A4MMT, 402 Scott Drive Unit 2A2, Scott AFB, IL 62225-5308; or call DSN 576-4787. MAJCOM Training and Functional Managers forward inputs to the AETC Training Manager, DSN 736-6297.									
A18.1. AC POWER SYSTEM TR: T.O.1C-135-2-10-1 ETM-RC135S-2 Vol I, Chapter 10 ETM-RC135U-2 Vol I, Chapter 10 ETM-RC135V/W-2 Vol I, Chapter 10 ETM-TC135-2 Vol I, Chapter 10 ETM-WC135-2 Vol I, Chapter 10									
A18.1.1. 75/90 KVA									
A18.1.1.1. Operational Fundamentals								-	-
A18.1.1.2. Perform Operational Check of System	*							-	-
A18.1.1.3. Troubleshoot System								-	-
A18.1.1.4. Inspect System Components		*						-	-
A18.1.1.5. Remove and Install Components									
A18.1.1.5.1. Generator Breaker	*							-	-
A18.1.1.5.2. Integrated Drive Generator (IDG)		*						-	-
A18.1.1.5.3. Bus Power Control Unit (BPCU)	*							-	-
A18.1.1.5.4. Bus-Tie Circuit Breaker	*							-	-
A18.1.1.5.5. Generator Control Unit (GCU)	*							-	-
A18.1.1.5.6. Current Transformer	*							-	-
A18.1.1.5.7. Frequency Referencing Auto-Paralleling Control Unit	*							-	-
A18.1.1.5.8. Frequency and Load Controller (FLC)	*							-	-
A18.1.1.5.9. Other system components	*							-	-
A18.1.2. 40 KVA									
A18.1.2.1. Operational Fundamentals								-	-
A18.1.2.2. Perform Operational Check of System								-	-
A18.1.2.3. Troubleshoot System								-	-
A18.1.2.4. Inspect System Components								-	-
A18.1.3. 120 KVA									
A18.1.3.1. Operational Fundamentals								-	-
A18.1.3.2. Perform Operational Check of System								-	-
A18.1.3.3. Troubleshoot System								-	-
A18.1.3.4. Inspect System Components								-	-
A18.1.3.5. Remove and Install Components									
A18.1.3.5.1. Generator								-	-

RC/TC/OC/WC-135 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A18.1.3.5.2. Generator Breaker								-	-
A18.1.3.5.3. Bus-Tie Circuit Breaker								-	-
A18.1.3.5.4. Generator Control Panel (GCP)								-	-
A18.1.3.5.5. Voltage Regulator								-	-
A18.1.3.5.6. Frequency and Load Controller (FLC)								-	-
A18.1.3.5.7. Frequency Reference Unit (FRU)								-	-
A18.1.3.5.8. Current Transformer								-	-
A18.1.3.5.9. Other System Components								-	-
A18.2. COPILOTS INSTRUMENT POWER SYSTEM TR: T.O. 1C-135-2-10-1 ETM-RC135S-2 Vol I, Chapter 10 ETM-RC135U-2 Vol I, Chapter 10 ETM-RC135V/W-2 Vol I, Chapter 10 ETM-TC135-2 Vol I, Chapter 10 ETM-WC135-2 Vol I, Chapter 10									
A18.2.1. Operational Fundamentals								-	-
A18.2.2. Perform Operational Check of System	*							-	-
A18.2.3. Troubleshoot System								-	-
A18.2.4. Inspect System Components		*						-	-
A18.2.5. Remove and Install Components									
A18.2.5.1. Transformer Rectifier	*							-	-
A18.2.5.2. Other System Components	*							-	-
A18.3. DC POWER SYSTEM TR: T.O. 1C-135-2-10-1 ETM-RC135S-2 Vol I, Chapter 10 ETM-RC135U-2 Vol I, Chapter 10 ETM-RC135V/W-2 Vol I, Chapter 10 ETM-TC135-2 Vol I, Chapter 10 ETM-WC135-2 Vol I, Chapter 10									
A18.3.1. Operational Fundamentals								-	-
A18.3.2. Operational Check	*							-	-
A18.3.3. Troubleshoot System								-	-
A18.3.4. Inspect System Components		*						-	-
A18.3.5. Remove and Install components									
A18.3.5.1. Transformer Rectifier	*							-	-
A18.3.5.2. Battery Charger	*							-	-
A18.3.5.3. Aircraft Battery								-	-
A18.3.5.4. Other System Components		*						-	-
A18.4. APU POWER SYSTEM TR: T.O. 1C-135-2-16-2									
A18.4.1. Operational Fundamentals								-	-

RC/TC/OC/WC-135 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A18.4.2. Operational Check								-	-
A18.4.3. Troubleshoot								-	-
A18.4.4. Inspect								-	-
A18.4.5. Remove and Install Components									
A18.4.5.1. Generator								-	-
A18.4.5.2. Generator Control Unit								-	-
A18.4.5.3. Line Contactor								-	-
A18.4.5.4. Other System Components								-	-
A18.5. EXTERNAL POWER SYSTEM TR: T.O. 1C-135-2-10-1 ETM-RC135S-2 Vol I, Chapter 10 ETM-RC135U-2 Vol I, Chapter 10 ETM-RC135V/W-2 Vol I, Chapter 10 ETM-TC135-2 Vol I, Chapter 10 ETM-WC135-2 Vol I, Chapter 10									
A18.5.1. Operational Fundamentals								-	-
A18.5.2. Perform Operational Check of System	*							-	-
A18.5.3. Troubleshoot System								-	-
A18.5.4. Inspect System Components		*						-	-
A18.5.5. Remove and Install components									
A18.5.5.1. External/Applied Bus Power Contactor	*							-	-
A18.5.5.2. Over Voltage Relay	*							-	-
A18.5.5.3. Phase Sensing Relay	*							-	-
A18.5.5.4. Other System Components		*						-	-
A18.6. LIGHTING SYSTEM TR: T.O. 1C-135-2-10-1 ETM-RC135S-2 Vol I, Chapter 10 ETM-RC135U-2 Vol I, Chapter 10 ETM-RC135V/W-2 Vol I, Chapter 10 ETM-TC135-2 Vol I, Chapter 10 ETM-WC135-2 Vol I, Chapter 10									
A18.6.1. Operational Fundamentals								-	-
A18.6.2. Perform Operational Check of System									
A18.6.2.1. External	*							-	-
A18.6.2.2. Internal	*							-	-
A18.6.2.3. Emergency	*							-	-
A18.6.3. Troubleshoot								-	-
A18.6.4. Inspect		*						-	-
A18.6.5. Remove and Install components									
A18.6.5.1. Light Assembly	*							-	-
A18.6.5.2. Emergency Exit Light	*							-	-

RC/TC/OC/WC-135 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A	B
			Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Level Course	5 Level
A18.6.5.3. Power Supply	*							-	-
A18.6.5.4. Dimmer Control Unit	*							-	-
A18.6.5.5. Flasher Assembly	*							-	-
A18.6.5.6. Other System Components		*						-	-
A18.7. LANDING GEAR INDICATION SYSTEMS TR: T.O.1C-135-2-7-1 ETM-RC135S-2 Vol I, Chapter 7 ETM-RC135U-2 Vol I, Chapter 7 ETM-RC135V/W-2 Vol I, Chapter 7 ETM-TC135-2 Vol I, Chapter 7 ETM-WC135-2 Vol I, Chapter 7									
A18.7.1. Operational Fundamentals	*							-	-
A18.7.2. Perform Operational Check of System									
A18.7.2.1. Landing Gear System	*							-	-
A18.7.2.2. Lever Lock Solenoid Circuit Checkout	*							-	-
A18.7.2.3. Safety Switch	*							-	-
A18.7.2.4. Truck Leveling Switch	*							-	-
A18.7.2.5. Position A (Gear Swing Supervisor)		*						-	-
A18.7.2.6. Position B (Gear Handle Operator)	*							-	-
A18.7.2.7. Troubleshoot								-	-
A18.7.2.8. Inspect System Components		*						-	-
A18.7.3. Remove and Install Components									
A18.7.3.1. Safety Switch	*							-	-
A18.7.3.2. Truck Leveling Switch	*							-	-
A18.7.3.3. Lever Lock Solenoid	*							-	-
A18.7.3.4. Other System Components		*						-	-
A18.8. ANTI-SKID SYSTEM TR: T.O.1C-135-2-7-1 ETM-RC135S-2 Vol I, Chapter 7 ETM-RC135U-2 Vol I, Chapter 7 ETM-RC135V/W-2 Vol I, Chapter 7 ETM-TC135-2 Vol I, Chapter 7 ETM-WC135-2 Vol I, Chapter 7									
A18.8.1. Operational Fundamentals								-	-
A18.8.2. Perform Operational Check of System	*							-	-
A18.8.3. Troubleshoot								-	-
A18.8.4. Inspect System Components		*						-	-
A18.8.5. Remove and Install Components									
A18.8.5.1. Anti-skid Detector	*							-	-
A18.8.5.2. Anti-skid Control Shield	*							-	-

RC/TC/OC/WC-135 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A18.8.5.3. Other System Components		*						-	-
A18.9. NOSE GEAR STEERING SYSTEM TR: T.O. 1C-135-2-7-1									
A18.9.1. Operational Fundamentals								-	-
A18.9.2. Perform Operational Check of System	*							-	-
A18.9.3. Troubleshoot								-	-
A18.9.4. Inspect System Components		*						-	-
A18.9.5. Remove and Install Components									
A18.9.5.1. Linear Actuator	*							-	-
A18.9.5.2. Other Components		*						-	-
A18.10. PRIMARY/SECONDARY FLIGHT CONTROL SYSTEM TR: T.O. 1C-135-2-8-1									
A18.10.1. Operational Fundamentals	*							-	-
A18.10.2. Perform Operational Check of System									
A18.10.2.1. Flaps	*							-	-
A18.10.2.2. Stab Trim	*							-	-
A18.10.3. Troubleshoot									
A18.10.3.1. Flaps								-	-
A18.10.3.2. Stab Trim								-	-
A18.10.4. Inspect System Components		*						-	-
A18.10.5. Remove and Install Components									
A18.10.5.1. Stab Trim control switch	*							-	-
A18.10.5.2. Other System Components		*						-	-
A18.11 OVERHEAT/FIRE WARNING SYSTEM TR: T.O. 1C-135-2-4-1-1 T.O. 1C-135-2-4-2 T.O. 1C-135-2-4-3									
A18.11.1. Walter Kidde Fire loops									
A18.11.1.1. Operational Fundamentals	*							-	-
A18.11.1.2. Perform Operational Check of System	*							-	-
A18.11.1.3. Troubleshoot System								-	-
A18.11.1.4. Inspect System Components		*						-	-
A18.11.1.5. Remove and Install Components									
A18.11.1.5.1. Fire Detection Control Unit	*							-	-
A18.11.1.5.2. Fire Handle	*							-	-
A18.11.1.5.3. Overheat Detectors	*							-	-
A18.11.1.5.4. Sensing Elements	*							-	-
A18.11.1.5.5. Other System Components		*						-	-

RC/TC/OC/WC-135 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A18.11.2. Fenwal System Fire Detectors									
A18.11.2.1. Operational Fundamentals	*							-	-
A18.11.2.2. Perform Operational Check of System	*							-	-
A18.11.2.3. Troubleshoot System								-	-
A18.11.2.4. Inspect System Components		*						-	-
A18.11.2.5. Remove and Install Components									
A18.11.2.5.1. Fire Detection Control Unit	*							-	-
A18.11.2.5.2. Fire Handle	*							-	-
A18.11.2.5.3. Overheat Detectors	*							-	-
A18.11.2.5.4. Other System Components		*						-	-
A18.12. FIRE EXTINGUISHING SYSTEM TR: T.O. 1C-135-2-2-2 T.O. 1C-135-2-16-2									
A18.12.1. Engine System Operational Fundamentals								-	-
A18.12.2. APU System Operational Fundamentals								-	-
A18.12.3. Perform Operational / Continuity Check									
A18.12.3.1. Engine System	*							-	-
A18.12.3.2. APU System								-	-
A18.12.3.3. Squib/Cartridge Electrical Circuit	*							-	-
A18.12.4. Troubleshoot									
A18.12.4.1. Engine System								-	-
A18.12.4.2. APU System								-	-
A18.12.5. Inspect									
A18.12.5.1. Engine System		*						-	-
A18.12.5.2. APU System		*						-	-
A18.12.5.3. Squib/Cartridge		*						-	-
A18.12.6. Remove and Install Components									
A18.12.6.1. Engine Fire Bottle	*							-	-
A18.12.6.2. APU Fire Bottle								-	-
A18.12.6.3. Squib/Cartridge	*							-	-
A18.12.6.4. Other System Components		*						-	-
A18.13. TAKEOFF WARNING SYSTEM TR: T.O. 1C-135-2-8-1									
A18.13.1. Operational Fundamentals								-	-
A18.13.2. Perform Operational Check of System	*							-	-
A18.13.3. Troubleshoot System								-	-
A18.13.4. Inspect System Components		*						-	-

RC/TC/OC/WC-135 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A18.13.5. Remove and Install Components									
A18.13.5.1. Position Switch	*							-	-
A18.13.5.2. Warning Horn	*							-	-
A18.13.5.3. Other System Components		*						-	-
A18.14. FUEL WARNING AND CONTROL SYSTEM TR: T.O. 1C-135-2-5-3 ETM-RC135S-2 Vol I, Chapter 5 ETM-RC135U-2 Vol I, Chapter 5 ETM-RC135V/W-2 Vol I, Chapter 5 ETM-TC135-2 Vol I, Chapter 5 ETM-WC135-2 Vol I, Chapter 5									
A18.14.1. Operational Fundamentals								-	-
A18.14.2. Perform Operational Check of System	*							-	-
A18.14.3. Boost Pump Current Check	*							-	-
A18.14.4. Troubleshoot System								-	-
A18.14.5. Inspect System Components		*						-	-
A18.14.6. Remove and Install Components									
A18.14.6.1. Fuel Management Switch	*							-	-
A18.14.6.2. Other System Components		*						-	-
A18.15. CARGO DOOR CONTROL AND WARNING SYSTEM TR: T.O. 1C-135-2-2-2 ETM-RC135U-2 Vol I									
A18.15.1. Operational Fundamentals								-	-
A18.15.2. Perform Operational Check of System	*							-	-
A18.15.3. Troubleshoot System								-	-
A18.15.4. Inspect System Components		*						-	-
A18.15.5. Remove and Install Components									
A18.15.5.1. Switch	*							-	-
A18.15.5.2. Other System Components		*						-	-
A18.16. START AND IGNITION SYSTEM TR: T.O. 1C-135-2-4-1-1 T.O. 1C-135-2-4-2 T.O. 1C-135-2-4-3 ETM-RC135S-2 Vol I, Chapter 4 ETM-RC135U-2 Vol I, Chapter 4 ETM-RC135V/W-2 Vol I, Chapter 4 ETM-TC135-2 Vol I, Chapter 4									
A18.16.1. Operational Fundamentals								-	-
A18.16.2. Perform Operational Check of System									
A18.16.2.1. Jet Engine								-	-
A18.16.2.2. Auxiliary Power Unit								-	-
A18.16.2.3. JFS								-	-

RC/TC/OC/WC-135 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A18.16.3. Troubleshoot System									
A18.16.3.1. Jet Engine								-	-
A18.16.3.2. Auxiliary Power Unit								-	-
A18.16.3.3. JFS								-	-
A18.16.4. Inspect System Components								-	-
A18.16.5. APU Door Limit Switch Adjustment								-	-
A18.16.6. Remove and Install Components									
A18.16.6.1. Starter Control Valve	*							-	-
A18.16.6.2. Other System Components		*						-	-
A18.17. NESA ANTI-ICING SYSTEM TR: T.O. 1C-135-2-2-2									
A18.17.1. Operational Fundamentals								-	-
A18.17.2. Perform Operational Check of System (includes resistance check)	*							-	-
A18.17.3. Troubleshoot System								-	-
A18.17.4. Inspect System Components		*						-	-
A18.17.5. Remove and Install Components									
A18.17.5.1. Transformer	*							-	-
A18.17.5.2. Controller Amplifier	*							-	-
A18.17.5.3. Thermal Switch	*							-	-
A18.17.5.4. Other System Components		*						-	-
A18.18. BLEED AIR DISTRIBUTION SYSTEM TR: T.O. 1C-135-2-3-2									
A18.18.1. Operational Fundamentals								-	-
A18.18.2. Perform Operational Check of System	*							-	-
A18.18.3. Perform Bleed Air Overheat/Overpressure Indication Operational Check	*							-	-
A18.18.4. Perform Leakage Checks	*							-	-
A18.18.5. Troubleshoot System								-	-
A18.18.6. Inspect System Components		*						-	-
A18.18.7. Remove and Install Components									
A18.18.7.1. Bleed Air Duct	*							-	-
A18.18.7.2. Bleed Air Shut off Valve	*							-	-
A18.18.7.3. Engine Pre-Cooler								-	-
A18.18.7.4. Check Valves	*							-	-
A18.18.7.5. Manifold Valve	*							-	-
A18.18.7.6. Pressure Regulator	*							-	-
A18.18.7.7. Other System Components		*						-	-

RC/TC/OC/WC-135 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A18.19. ISOLATED MEASUREMENT POD SYSTEM TR: ETM-RC135-2-3, Chapter 6									
A18.19.1. Operational Fundamentals	*							-	-
A18.19.2. Perform Operational Check of System	*							-	-
A18.19.3. Perform Leakage Checks	*							-	-
A18.19.4. Troubleshoot System								-	-
A18.19.5. Inspect System Components		*						-	-
A18.19.6. Remove and Install Components									
A18.19.6.1. Valve Position Indicator	*							-	-
A18.19.6.2. Pressure Transducer	*							-	-
A18.19.6.3. Temperature Sensor	*							-	-
A18.19.6.4. IMP Control Box	*							-	-
A18.19.6.5. Other System Components		*						-	-
A18.20. AIR CONDITIONING SYSTEM TR: T.O. 1C-135-2-3-2 ETM-RC135-2-3, Chapter 4 ETM-RC135U-2 Vol I, Chapter 3 ETM-WC135-2 Vol I, Chapter 3									
A18.20.1. Operational Fundamentals								-	-
A18.20.2. Perform Operational Check of System	*							-	-
A18.20.3. Perform System Leakage checks	*							-	-
A18.20.4. Troubleshoot System								-	-
A18.20.5. Inspect System Components		*						-	-
A18.20.6. Remove and Install Components									
A18.20.6.1. Water Separator Coalescer	*							-	-
A18.20.6.2. Water Separator	*							-	-
A18.20.6.3. Flow Control Valve	*							-	-
A18.20.6.4. Auxiliary Heat / Trim Air Valve	*							-	-
A18.20.6.5. Air Cycle Machine	*							-	-
A18.20.6.6. Air Conditioning Machine Limit Valve	*							-	-
A18.20.6.7. Hot Air Bypass Valve	*							-	-
A18.20.6.8. Primary Heat Exchanger		*						-	-
A18.20.6.9. Secondary Heat Exchanger		*						-	-
A18.20.6.10. Air Cycle Machine Bypass Valve	*							-	-
A18.20.6.11. Temp Sensor	*							-	-
A18.20.6.12. 35 Degree Control Valve	*							-	-
A18.20.6.13. Ejector Valve	*							-	-
A18.20.6.14. Ram Air Valve	*							-	-
A18.20.6.15. Filters	*							-	-

RC/TC/OC/WC-135 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials			Course	
A18.20.6.16. Other System Components	*	*						-	-
A18.20.7. Service Air Cycle Machine	*							-	-
A18.21. PRESSURIZATION SYSTEM TR: T.O. 1C-135-2-3-2 ETM-RC135-2-3, Chapter 3									
A18.21.1. Operational Fundamentals								-	-
A18.21.2. Pressurization Safety	*							-	-
A18.21.3. Perform Operational Check of System	*							-	-
A18.21.4. Troubleshoot System								-	-
A18.21.5. Inspect System Components		*						-	-
A18.21.6. Remove and Install Components									
A18.21.6.1. Outflow Valve	*							-	-
A18.21.6.2. Pneumatic Relay	*							-	-
A18.21.6.3. Auto Pressure Controller	*							-	-
A18.21.6.4. Filters		*						-	-
A18.21.6.5. Other System Components		*						-	-
A18.22. OXYGEN SYSTEMS TR: T.O. 1C-135-2-3-2 T.O. 15X1-1 T.O. 42B5-1-2 T.O. 42E1-1-1 AFI 91-203									
A18.22.1. Liquid Oxygen									
A18.22.1.1. RC-135U LOX System Operational Fundamentals/Characteristics.								-	-
A18.22.1.2. TC-135S/W LOX System Operational Fundamentals/Characteristics.								-	-
A18.22.1.3. RC-135V/W LOX System Operational Fundamentals/Characteristics.								-	-
A18.22.1.4. RC-135S LOX System Operational Fundamentals/Characteristics.								-	-
A18.22.1.5. WC-135W LOX System Operational Fundamentals/Characteristics.								-	-
A18.22.1.6. WC-135C LOX System Operational Fundamentals/Characteristics.								-	-
A18.22.1.7. Perform Operational Check	*							-	-
A18.22.1.8. Troubleshoot System								-	-
A18.22.1.9. Inspect System Components		*						-	-
A18.22.1.10. Remove and Install Components									
A18.22.1.10.1. Converter	*							-	-
A18.22.1.10.2. Build-up Vent Valve	*							-	-
A18.22.1.10.3. Indicator	*							-	-
A18.22.1.10.4. Heat Exchanger	*							-	-

RC/TC/OC/WC-135 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A18.22.1.10.5. Distribution System	*							-	-
A18.22.1.10.6. Oxygen Regulator	*							-	-
A18.22.1.10.7. Other System Components		*						-	-
A18.22.1.11. Perform Leak Check	*							-	-
A18.22.1.12. Clean Components and Tools	*							-	-
A18.22.1.13. Drain System	*							-	-
A18.22.1.14. Purge System	*							-	-
A18.22.1.15. Service System	*							-	-
A18.22.2. Gaseous Oxygen									
A18.22.2.1. Operational Fundamentals								-	-
A18.22.2.2. Perform Operational Check of System								-	-
A18.22.2.3. Troubleshoot System								-	-
A18.22.2.4. Inspect								-	-
A18.22.2.5. Remove and Install Components									
A18.22.2.5.1. Bottle								-	-
A18.22.2.5.2. Oxygen Regulator								-	-
A18.22.2.5.3. Service Valve								-	-
A18.22.2.5.4. Shut off Valve								-	-
A18.22.2.5.5. Other System Components								-	-
A18.22.2.6. Perform Leak Check								-	-
A18.22.2.7. Purge System								-	-
A18.22.2.8. Service System								-	-
A18.23. MISCELLANEOUS SYSTEMS TR: T.O. 1C-135-2-2-2 T.O. 1C-135-2-3-2 T.O. 1C-135-2-4-1-1 T.O. 1C-135-2-10-1 ETM-RC135-2-3 ETM-RC135S-2 Vol I ETM-RC135U-2 Vol I ETM-RC135V/W-2 Vol I ETM-TC135-2 Vol I ETM-WC135-2 Vol I									
A18.23.1. Perform Operational Check / Operational fundamentals									
A18.23.1.1. Thermal Flash / Protection Power Sources								-	-
A18.23.1.2. Windshield Wiper								-	-
A18.23.1.3. F-108 Engine Anti-Ice								-	-
A18.23.1.4. TF-33 Engine Anti-Ice								-	-
A18.23.1.5. TF-33 Thrust Reverser Light System								-	-
A18.23.1.6. Constant Phoenix Lung Filters								-	-

RC/TC/OC/WC-135 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A18.23.1.7. Control Cabinet Cooling Fans								-	-
A18.23.1.8. Lower Lobe Fans								-	-
A18.23.1.9. 60 Hertz System								-	-
A18.23.1.10. Hydraulic Low Pressure WarningSystem								-	-
A18.23.2. Troubleshoot									
A18.23.2.1. Thermal Flash / Protection Power Sources								-	-
A18.23.2.2. Windshield Wiper								-	-
A18.23.2.3. F-108 Engine Anti-Ice								-	-
A18.23.2.4. TF-33 Engine Anti-Ice								-	-
A18.23.2.5. TF-33 Thrust Reverser Light System								-	-
A18.23.2.6. Constant Phoenix Lungs Filters								-	-
A18.23.2.7. Control Cabinet Cooling Fans								-	-
A18.23.2.8. Lower Lobe Fans								-	-
A18.23.2.9. 60 Hertz System								-	-
A18.23.2.10. Hydraulic Low Pressure WarningSystem								-	-
A18.23.3. Inspect									
A18.23.3.1. TF-33 Thrust Reverser Light Components								-	-
A18.23.3.2. Constant Phoenix Lungs Filters								-	-
A18.23.3.3. Control Cabinet Cooling Fans								-	-
A18.23.3.4. Lower Lobe Fans								-	-
A18.23.3.5. 60 Hertz System								-	-
A18.23.3.6. Hydraulic Low Pressure WarningSystem								-	-
A18.23.4. Remove and Install Components									
A18.23.4.1. Thermal Flash ProtectionConditioner								-	-
A18.23.4.2. TF-33 Thrust Reverser Light System Components								-	-
A18.23.4.3. Constant Phoenix Lungs Filters								-	-
A18.23.4.4. Control Cabinet Cooling Fans								-	-
A18.23.4.5. Lower Lobe Fans								-	-
A18.23.4.6. 60 Hertz Convertor								-	-
A18.23.4.7. Other Systems Components								-	-
A18.24. LIQUID COOLING / VAPOR CYCLE SYSTEM TR: ETM-VCS-22 ETM-RSU; ET M-RC135-2-3 ETM-RC135U-2 Vol I									
A18.24.1. Operational Fundamentals								-	-
A18.24.2. Perform Operational Check	*							-	-
A18.24.3. Troubleshoot System								-	-
A18.24.4. Inspect System Components		*						-	-

RC/TC/OC/WC-135 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A	B
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Level	5 Level
A18.24.5. Remove and Install Components									
A18.24.5.1. Valve Mixing / Shutoff	*							-	-
A18.24.5.2. Controller	*							-	-
A18.24.5.3. Pump	*							-	-
A18.24.5.4. Hose	*							-	-
A18.24.5.5. Heat Exchanger	*							-	-
A18.24.5.6. Blower Motor	*							-	-
A18.24.5.7. Filter	*							-	-
A18.24.5.8. Other Systems Components		*						-	-
A18.24.6. Service System									
A18.24.6.1. LCS	*							-	-
A18.24.6.2. VCS								-	-
A18.24.6.3. Operate Reservoir Servicing Unit(RSU)	*							-	-

E-3 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
ATTACHMENT 19 NOTE 1: In addition to attachment 2, the tasks and knowledge in attachment 19 will be performed by personnel assigned to maintain E-3 aircraft. NOTE 2: Users are responsible for annotating training references to identify current references pending ST Srevision. NOTE 3: Address comments and recommended changes through Unit Training Managers to the MAJCOM Maintenance Training Manager @ HQ AMC/A4MMT, 402 Scott Drive Unit 2A2, Scott AFB, IL 62225-5308; or call DSN 576-4787. MAJCOM Training and Functional Managers forward inputs to the AETC Training Manager, DSN 736-6297.									
A19.1. AC POWER SYSTEM TR: T.O. 1E-3A-2-24-1									
A19.1.1. Operational fundamentals								-	-
A19.1.2. Perform operational check 400 HZ system	*							-	-
A19.1.3. Perform operational check 60 HZ system	*							-	-
A19.1.4. Troubleshoot systems		*						-	-
A19.1.5. Inspect system components		*						-	-
A19.1.6. Remove/Install components									
A19.1.6.1. Generator circuit breaker (GCB)								-	-
A19.1.6.2. Integrated Drive Generator (IDG)								-	-
A19.1.6.3. Bus Power Control Unit (BPCU)	*							-	-
A19.1.6.4. Bus-Tie Breaker (BTB)								-	-
A19.1.6.5. Current Transformer (CT)								-	-
A19.1.6.6. Generator Control Unit (GCU)	*							-	-
A19.1.6.7. Frequency Reference Unit (FRU)	*							-	-
A19.1.6.8. Frequency and Load Controller (FLC)	*							-	-
A19.1.6.9. Electronic Load Control Unit (ELCU)	*							-	-
A19.1.6.10. Switch Lights/Indicator Lights	*							-	-
A19.1.6.11. Miscellaneous Relays								-	-
A19.1.6.12. Circuit Breakers/Panels	*							-	-
A19.1.6.13. Static Inverter								-	-
A19.1.6.14. Panel Mounted Indicators								-	-
A19.1.6.15. Engine IDG Power Feeder Hamess	*							-	-
A19.1.6.16. Wing IDG Power Feeder Harness	*							-	-
A19.1.6.17. Static Frequency Converter								-	-
A19.1.6.18. Miscellaneous components								-	-
A19.2. DC POWER SYSTEM TR: T.O. 1E-3A-2-24-1									
A19.2.1. Operational fundamentals								-	-
A19.2.2. Perform operational check	*							-	-
A19.2.3. Troubleshoot system(s)		*						-	-
A19.2.4. Inspect system component(s)		*						-	-

E-3 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A	B
			Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Level Course	5 Level
A19.2.5. Remove/Install components									
A19.2.5.1. Transformer Rectifier Unit(TRU)								-	-
A19.2.5.2. Main/Lighting Battery Charger	*							-	-
A19.2.5.3. Main/Lighting Aircraft Battery	*							-	-
A19.2.5.4. Circuit Breakers/Panels	*							-	-
A19.2.5.5. Miscellaneous components								-	-
A19.3. EXTERNAL POWER SYSTEM TR: T.O. 1E-3A-2-24-1									
A19.3.1. Operational fundamentals	*							-	-
A19.3.2. Perform operational check	*							-	-
A19.3.3. Troubleshoot system		*						-	-
A19.3.4. Inspect system components		*						-	-
A19.3.5. Remove/Install components									
A19.3.5.1. External Power Receptacle								-	-
A19.3.5.2. External Power Contactor (EPC)	*							-	-
A19.3.5.3. External Power Transformer Rectifier Unit								-	-
A19.3.5.4. Miscellaneous components								-	-
A19.4. APU POWER SYSTEM TR: T.O. 1E-3A-2-24-1									
A19.4.1. Operational fundamentals								-	-
A19.4.2. Perform operational check generator system	*							-	-
A19.4.3. Perform operational check start and control								-	-
A19.4.4. Troubleshoot system		*						-	-
A19.4.5. Inspect system components		*						-	-
A19.4.6. Remove/Install components									
A19.4.6.1. Generator Control Unit	*							-	-
A19.4.6.2. Aux Power Contactor (APC)	*							-	-
A19.4.6.3. APU Current Transformer								-	-
A19.4.6.4. Generator								-	-
A19.4.6.5. APU Inlet/Exhaust Door Limit Switch								-	-
A19.4.6.6. Miscellaneous components								-	-
A19.5. LIGHTING SYSTEM TR: T.O. 1E-3A-2-24-1									
A19.5.1. Operational fundamentals								-	-
A19.5.2. Slipway/Receptacle Lights Relamping								-	-
A19.5.3. Miscellaneous Exterior Lights Relamping								-	-
A19.5.4. Aisle Light Relamping								-	-

E-3 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A19.5.5. Special Purpose Console Light Relamping								-	-
A19.5.6. Fluorescent Light Relamping								-	-
A19.5.7. Miscellaneous Interior Lights Relamping								-	-
A19.5.8. Portable Emergency Exit Light Relamping								-	-
A19.5.9. Troubleshoot		*						-	-
A19.5.10. Inspect system components		*						-	-
A19.5.11. Perform operational check									
A19.5.11.1. External	*							-	-
A19.5.11.2. Internal	*							-	-
A19.5.11.3. External Emergency	*							-	-
A19.5.11.4. Internal Emergency	*							-	-
A19.5.12. Remove/Install components									
A19.5.12.1. Lower Strobe Light Power Supply								-	-
A19.5.12.2. Lower Strobe Light Assembly								-	-
A19.5.12.3. Upper Strobe Light Power Supply								-	-
A19.5.12.4. Upper Strobe Light Assembly								-	-
A19.5.12.5. Interior Lighting Ballasts								-	-
A19.5.12.6. Overhead Fluorescent Lighting Ballasts								-	-
A19.5.12.7. Chart Holders								-	-
A19.5.12.8. Lavatory Mirror Lighting Relay Ballast Box								-	-
A19.5.12.9. Emergency Exit Light Battery Packs	*							-	-
A19.6. LANDING GEAR SYSTEM TR. T.O. 1E-3A-2-24-1 T.O. 1E-3A-2-32-1									
A19.6.1. Operational fundamentals								-	-
A19.6.2. Perform operational check									
A19.6.2.1. Position A (Gear swing supervisor)								-	-
A19.6.2.2. Position B (Gear handle operator)								-	-
A19.6.2.3. Warning and indication	*							-	-
A19.6.2.4. Lever lock circuit checkout	*							-	-
A19.6.3. Preparation for Sim Airborne Mode	*							-	-
A19.6.4. Troubleshoot		*						-	-
A19.6.5. Inspect system components		*						-	-
A19.6.6. Remove/Install components									
A19.6.6.1. Safety Switches	*							-	-
A19.6.6.2. Warning Horn								-	-
A19.6.6.3. Lever Lock Solenoid								-	-

E-3 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A19.6.6.4. Lever Limit Switches								-	-
A19.6.6.5. Thrust Lever Switches								-	-
A19.6.6.6. Truck Centering Switches	*							-	-
A19.6.6.7. Main/Nose Lock Switches	*							-	-
A19.6.6.8. Main/Nose Position Switches	*							-	-
A19.6.6.9. Main/Nose Door Lock Switches								-	-
A19.6.6.10. Flap Position Warning Switches								-	-
A19.7. ANTI-SKID SYSTEM TR: T.O. 1E-3A-2-24-1 T.O. 1E-3A-2-32-1									
A19.7.1. Operational fundamentals								-	-
A19.4.2. Perform operational check	*							-	-
A19.7.3. Troubleshoot		*						-	-
A19.7.4. Inspect system components		*						-	-
A19.7.5. Remove/Install components									
A19.7.5.1. Skid Detector (transducer)	*							-	-
A19.7.5.2. Anti-skid Shield	*							-	-
A19.7.5.3. Indication Panel								-	-
A19.7.5.4. Miscellaneous components								-	-
A19.8. PRIMARY FLIGHT CONTROL SYSTEM TR: T.O. 1E-3A-2-24-1									
A19.8.1. Operational fundamentals								-	-
A19.8.2. Perform operational check	*							-	-
A19.8.3. Troubleshoot system		*						-	-
A19.8.4. Inspect system components		*						-	-
A19.8.5. Remove/Install components									
A19.8.5.1. Stab Trim Position Switches								-	-
A19.8.5.2. Manual-Electric Stab Trim Motor								-	-
A19.8.5.3. Stab Trim Control Switches								-	-
A19.9. SECONDARY FLIGHT CONTROL SYSTEM TR: T.O. 1E-3a-2-24-1									
A19.9.1. Operational fundamentals								-	-
A19.9.2. Perform operational check									
A19.9.2.1. Flaps	*							-	-
A19.9.2.2. Spoilers								-	-
A19.9.2.3. Speed Brake								-	-
A19.9.2.4. Limit Switch Adjustment	*							-	-

E-3 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A19.9.3. Troubleshoot									
A19.9.3.1. Flaps		*						-	-
A19.9.3.2. Spoilers		*						-	-
A19.9.3.3. Speed Brake		*						-	-
A19.9.4. Remove/Install components									
A19.9.4.1. Leading/Trailing Edge Flap Switches	*							-	-
A19.9.4.2. Emergency Flap Limit Switches								-	-
A19.9.4.3. Speed Brake Position Switches								-	-
A19.9.4.4. Miscellaneous components								-	-
A19.10. HYDRAULIC PRESSURE SUPPLY SYSTEM TR: T.O. 1E-3A-2-24-1									
A19.10.1. Operational fundamentals								-	-
A19.10.2. Perform operational check Utility system	*							-	-
A19.10.3. Perform operational check Aux system	*							-	-
A19.10.4. Perform operational check Rotodome system	*							-	-
A19.10.5. Troubleshoot system		*						-	-
A19.10.6. Remove/Install miscellaneous system components								-	-
A19.10.7. Inspect system components		*						-	-
A19.11. FIRE WARNING SYSTEM TR: T.O. 1E-3A-2-24-1									
A19.11.1. Operational fundamentals								-	-
A19.11.2. Perform operational check engine fire detection system	*							-	-
A19.11.3. Perform operational check wheel well fire detection sys	*							-	-
A19.11.4. Perform operational check APU fire detection system	*							-	-
A19.11.5. Troubleshoot systems		*						-	-
A19.11.6. Inspect system components		*						-	-
A19.11.7. Remove/Install components									
A19.11.7.1. Fire T-Handle	*							-	-
A19.11.7.2. Fire Sensing Elements	*							-	-
A19.11.7.3. APU Fire Sensing Elements	*							-	-
A19.11.7.4. Fire Detection Modules	*							-	-
A19.11.7.5. Hermetic Fire Detection Connectors	*							-	-
A19.12. FIRE EXTINGUISHING SYSTEM TR: T.O. 1E-3A-2-21-1									
A19.12.1. Operational Fundamentals								-	-
A19.12.2. Perform operational check system	*							-	-
A19.12.3. Cartridge continuity test	*							-	-

E-3 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A19.12.4. Troubleshoot systems		*						-	-
A19.12.5. Inspect system components		*						-	-
A19.12.6. Remove components									
A19.12.6.1. Engine Fire Extinguishing Bottle								-	-
A19.12.6.2. Engine Discharge Cartridge	*							-	-
A19.12.6.3. Engine Selector Control Valve								-	-
A19.12.6.4. APU Fire Extinguishing Bottle	*							-	-
A19.12.6.5. APU Discharge Cartridge	*							-	-
A19.12.6.6. APU Control Panel								-	-
A19.12.6.7. Miscellaneous components/Control Panels								-	-
A19.13. TAKEOFF WARNING SYSTEM TR: T.O. 1E-3A-2-24-1									
A19.13.1. Operational fundamentals								-	-
A19.13.2. Perform operational check system	*							-	-
A19.13.3. Troubleshoot system		*						-	-
A19.13.4. Inspect system components		*						-	-
A19.13.5. Remove/Install miscellaneous components								-	-
A19.14. FUEL WARNING AND CONTROL SYSTEM TR: T.O. 1E-3A-2-24-1 T.O. 1E-3A-2-28-1									
A19.14.1. Operational fundamentals								-	-
A19.14.2. Perform operational check									
A19.14.2.1. APU Fuel Feed								-	-
A19.14.2.2. Engine Fuel Feed								-	-
A19.14.2.3. Air Refueling system		*						-	-
A19.14.2.4. Refueling system		*						-	-
A19.14.2.5. Fuel Dump system		*						-	-
A19.14.3. Troubleshoot									
A19.14.3.1. APU Fuel Feed								-	-
A19.14.3.2. Engine Fuel Feed								-	-
A19.14.3.3. Air Refueling system		*						-	-
A19.14.3.4. Refueling system		*						-	-
A19.14.3.5. Fuel Dump system		*						-	-
A19.14.4. Remove/Install components									
A19.14.4.1. Pressure Disconnect Switch								-	-
A19.14.4.2. Dump Chute Uplatch Actuator								-	-
A19.14.4.3. Dump Chute Actuator								-	-
A19.14.4.4. Dump Chute Limit Switches								-	-

E-3 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A19.14.4.5. Plunger Switch								-	-
A19.14.4.6. Toggle Switches								-	-
A19.14.4.7. Induction Coil								-	-
A19.14.4.8. Slipway Door Switches								-	-
A19.14.4.9. Air Refueling Signal Amplifier								-	-
A19.14.4.10. Other system components								-	-
A19.15. START AND IGNITION SYSTEM TR: T.O. 1E-3A-2-24-1									
A19.15.1. Operational fundamentals								-	-
A19.15.2. Perform Starter Circuit operational check								-	-
A19.15.3. Perform Ignition Circuit operational check								-	-
A19.15.4. Perform Engine Oil Pressure Warning operational check								-	-
A19.15.5. Perform Engine/Nose Cowl Anti-Icing operational check								-	-
A19.15.6. Troubleshoot		*						-	-
A19.15.7. Inspect system components		*						-	-
A19.15.8. Remove/Install components									
A19.15.8.1. Ignition RFI Filter								-	-
A19.15.8.2. Engine Anti-Ice Valve Motor								-	-
A19.15.8.3. Miscellaneous components								-	-
A19.16. WARNING CIRCUITS TR: T.O. 1E-3A-2-24-1									
A19.16.1. Operational fundamentals								-	-
A19.16.2. Perform Visual Warning Display operational check								-	-
A19.16.3. Door Warning system operational check	*							-	-
A19.16.4. Troubleshoot systems		*						-	-
A19.16.5. Inspect system components		*						-	-
A19.16.6. Remove/Install components									
A19.16.6.1. Visual Warning Display Unit								-	-
A19.16.6.2. Door Warning Annunciator Module								-	-
A19.16.6.3. Door Warning Switches								-	-
A19.16.6.4. Miscellaneous components								-	-
A19.17. WINDSHIELD WIPER SYSTEM TR: T.O. 1E-3A-2-24-1									
A19.17.1. Operational fundamentals								-	-
A19.17.2. Perform operational check								-	-
A19.17.3. Troubleshoot		*						-	-
A19.17.4. Inspect system components		*						-	-

E-3 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A19.17.5. Remove/Install components									
A19.17.5.1. Wiper Motor								-	-
A19.17.5.2. Wiper Switch								-	-
A19.17.5.3. Other system components								-	-
A19.18. NESA ANTI-ICING SYSTEM TR: T.O. 1E-3A-2-24-1									
A19.18.1. Operational fundamentals								-	-
A19.18.2. Perform operational/resistance check	*							-	-
A19.18.3. Use Decade Resistor Box	*							-	-
A19.18.4. Troubleshoot system		*						-	-
A19.18.5. Inspect system components		*						-	-
A19.18.6. Remove/Install components									
A19.18.6.1. Window Heat Controller	*							-	-
A19.18.6.2. Window Heat Autotransformer								-	-
A19.18.6.3. Window Thermal Switch	*							-	-
A19.18.6.4. Suppression Diodes/Capacitors								-	-
A19.18.6.5. Other system components								-	-
A19.19. AUTOMATIC LIFE RAFT CIRCUITS TR: T.O. 1E-3A-2-24-1 T.O. 1E-3A-2-21-1									
A19.19.1. Operational fundamentals								-	-
A19.19.2. Perform operational (continuity) check								-	-
A19.19.3. Troubleshoot system		*						-	-
A19.19.4. Inspect system components		*						-	-
A19.19.5. Remove/Install components									
A19.19.5.1. Life Raft Water Activated Battery	*							-	-
A19.19.5.2. Life Raft Squib Actuated Pressure Cylinder	*							-	-
A19.19.5.3. Other system components								-	-
A19.20. Q-SPRING HEATER SYSTEM TR: T.O. 1E-3A-2-24-1									
A19.20.1. Operational fundamentals								-	-
A19.20.2. Perform operational check	*							-	-
A19.20.3. Troubleshoot		*						-	-
A19.20.4. Inspect system components		*						-	-
A19.20.5. Remove/Install components									
A19.20.5.1. Q-Spring Heater								-	-
A19.20.5.2. Other system components								-	-

E-3 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A19.21. LAVATORY/GALLEY SYSTEMS TR: T.O. 1E-3A-2-24-1 T.O. 1E-3A-2-7 T.O. 1E-3A-2-21-1									
A19.21.1. Operational fundamentals								-	-
A19.21.2. Perform lavatory system operational check								-	-
A19.21.3. Perform galley systems operational check								-	-
A19.21.4. Service refrigerant								-	-
A19.21.5. Troubleshoot systems		*						-	-
A19.21.6. Inspect system components		*						-	-
A19.21.7. Remove/Install components									
A19.21.7.1. Toilet Motor								-	-
A19.21.7.2. Toilet Timer								-	-
A19.21.7.3. Refrigerator/Condenser								-	-
A19.21.7.4. Oven								-	-
A19.21.7.5. Other system components								-	-
A19.22. BLEED AIR DISTRIBUTION SYSTEM TR: T.O. 1E-3A-2-21-1									
A19.22.1. Operational fundamentals								-	-
A19.22.2. Perform operational check	*							-	-
A19.22.3. Perform operational check bleed air leak detection	*							-	-
A19.22.4. Perform leakage checks	*							-	-
A19.22.5. Troubleshoot system		*						-	-
A19.22.6. Inspect system components		*						-	-
A19.22.7. Nitrogen check components	*							-	-
A19.22.8. Lock/unlock valves	*							-	-
A19.22.9. Remove/Install components									
A19.22.9.1. Pressure Regulating Shut off Valve	*							-	-
A19.22.9.2. Firewall Shut off Valve	*							-	-
A19.22.9.3. Flow Topping Sensor	*							-	-
A19.22.9.4. Engine Pre-cooler								-	-
A19.22.9.5. Check Valves								-	-
A19.22.9.6. Isolation Valve								-	-
A19.22.9.7. Antenna Pedestal Shut off Valve								-	-
A19.22.9.8. Bleed Air Ducts	*							-	-
A19.22.9.9. Negative Pressure Relief Valves/Check Valves								-	-
A19.22.9.10. Duct Pressure Transmitters								-	-
A19.22.9.11. Overheat Switch								-	-

E-3 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A19.22.9.12. Bleed Air Leak Control Unit	*							-	-
A19.22.9.13. Bleed Air Leak Sensor Element	*							-	-
A19.22.9.14. Other system components								-	-
A19.23. AIR CONDITIONING SYSTEM TR: T.O. 1E-3A-2-21-1									
A19.23.1. Operational fundamentals								-	-
A19.23.2. Perform operational check	*							-	-
A19.23.3. Perform system leakage checks	*							-	-
A19.23.4. Troubleshoot system		*						-	-
A19.23.5. Service Air Cycle Machine	*							-	-
A19.23.6. Inspect system components		*						-	-
A19.23.7. Reflange/repair Ducts	*							-	-
A19.23.8. Valve position indication adjustment								-	-
A19.23.9. Remove/Install components									
A19.23.9.1. Water separator/coalescer	*							-	-
A19.23.9.2. Ducting	*							-	-
A19.23.9.3. Air Cycle Machine	*							-	-
A19.23.9.4. Pri/Sec Flow Control Valve	*							-	-
A19.23.9.5. Temp Control (Bypass) Valve								-	-
A19.23.9.6. Pressure/Temp Sensors								-	-
A19.23.9.7. Pri/Sec Heat Exchanger								-	-
A19.23.9.8. Zone Trim Pressure/Temperature Valves								-	-
A19.23.9.9. Ram Air Inlet Door/Actuator								-	-
A19.23.9.10. Gasper Air Fan	*							-	-
A19.23.9.11. Other system components								-	-
A19.24. PRESSURIZATION SYSTEM TR: T.O. 1E-3A-2-21-1									
A19.24.1. Operational fundamentals								-	-
A19.24.2. Perform operational check	*							-	-
A19.24.3. Perform Cabin Pressure Indicators check	*							-	-
A19.24.4. Perform pressure decay check	*							-	-
A19.24.5. Troubleshoot system		*						-	-
A19.24.6. Inspect system components		*						-	-
A19.24.7. Remove/Install components									
A19.24.7.1. Outflow Valve/filters								-	-
A19.24.7.2. Vacuum Pump								-	-
A19.24.7.3. Pressure Controller	*							-	-

E-3 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A19.24.7.4. Altitude Warning Switch								-	-
A19.24.7.5. Selector Panel	*							-	-
A19.24.7.6. Indicators								-	-
A19.24.7.7. Other system components								-	-
A19.25. DRAW THROUGH COOLING SYSTEM TR: T.O. 1E-3A-2-21-1									
A19.25.1. Operational fundamentals								-	-
A19.25.2. Perform operational check	*							-	-
A19.25.3. Troubleshoot system		*						-	-
A19.25.4. Inspect system components		*						-	-
A19.25.5. Perform pressure drop check								-	-
A19.25.6. Remove/Install Components									
A19.25.6.1. Flow Control Valve	*							-	-
A19.25.6.2. Fan	*							-	-
A19.25.6.3. 15,000 Ft Altitude Switch								-	-
A19.25.6.4. No-Flow Detector								-	-
A19.25.6.5. Ducting/Other system components	*							-	-
A19.26. FORCED AIR COOLING SYSTEM TR: T.O. 1E-3A-2-21-1									
A19.26.1. Operational fundamentals								-	-
A19.26.2. Perform operational check AFT system	*							-	-
A19.26.3. Perform operational check FWD system	*							-	-
A19.26.4. Troubleshoot system		*						-	-
A19.26.5. Inspect system components		*						-	-
A19.26.6. Trim Valve Position Indicators								-	-
A19.26.7. Pressure drop test								-	-
A19.26.8. Remove/Install components									
A19.26.8.1. Fan No Flow Detectors								-	-
A19.26.8.2. Differential Pressure Switch								-	-
A19.26.8.3. 5,000 ft Switch								-	-
A19.26.8.4. FWD/AFT Temp Switches								-	-
A19.26.8.5. FWD Fans	*							-	-
A19.26.8.6. AFT Fans	*							-	-
A19.26.8.7. FWD system valves								-	-
A19.26.8.8. AFT system valves								-	-
A19.26.8.9. Rack Valves								-	-
A19.26.8.10. FWD System Heat Exchanger								-	-

E-3 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A19.26.8.11. AFT System Heat Exchanger								-	-
A19.26.8.12. Other system components								-	-
A19.27. LIQUID COOLANT SYSTEM TR: T.O. 1E-3A-2-21-1									
A19.27.1. Operational fundamentals								-	-
A19.27.2. Leak and operational check system	*							-	-
A19.27.3. Nitrogen bottle charging	*							-	-
A19.27.4. LCS draining/partial draining	*							-	-
A19.27.5. LCS flushing/filling with Cart								-	-
A19.27.6. LCS filling with hand servicing unit	*							-	-
A19.27.7. Troubleshoot system		*						-	-
A19.27.8. Inspect system components		*						-	-
A19.27.9. Clean Resistivity Cells								-	-
A19.27.10. Replace filters	*							-	-
A19.27.11. Remove/Install components									
A19.27.11.1. Nitrogen Supply/Fill Valve								-	-
A19.27.11.2. Ground Cooler/Shut off Valve								-	-
A19.27.11.3. Nitrogen Regulator								-	-
A19.27.11.4. Temperature Control Valve								-	-
A19.27.11.5. Centrifugal Pumps								-	-
A19.27.11.6. Expansion Tank								-	-
A19.27.11.7. Sight Gage	*							-	-
A19.27.11.8. Coolant Resistivity/Control Panel								-	-
A19.27.11.9. Resistivity Cell	*							-	-
A19.27.11.10. Inlet/Outlet Valve								-	-
A19.27.11.11. Flight Cooler/Shut off Valve								-	-
A19.27.11.12. Repurification Unit								-	-
A19.27.11.13. Other system components								-	-
A19.28. LIQUID OXYGEN SYSTEM TR: T.O. 15X1-1 T.O. 42B5-1-2 T.O. 42E1-1-1 T.O. 1E-3A-2-35-1 AFI 91-203									
A19.28.1. Operational fundamentals	*							-	-
A19.28.2. Perform operational check	*							-	-
A19.28.3. Perform system leak check	*							-	-
A19.28.4. Troubleshoot system		*						-	-
A19.28.5. Inspect system components		*						-	-

E-3 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A	B
			Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Level Course	5 Level
A19.28.6. Bleed system	*							-	-
A19.28.7. Drain system								-	-
A19.28.8. Purge system	*							-	-
A19.28.9. Service system								-	-
A19.28.10. Procedures for cleaning components	*							-	-
A19.28.11. Remove/Install components									
A19.28.11.1. Oxygen regulator	*							-	-
A19.28.11.2. Converter	*							-	-
A19.28.11.3. Fill, Build-up & Vent Valve	*							-	-
A19.28.11.4. Heat Exchangers								-	-
A19.28.11.5. Drain Valve								-	-
A19.28.11.6. Distribution tubes/hoses	*							-	-
A19.28.11.7. Manual Shut-off Valve								-	-
A19.28.11.8. Other system components								-	-
A19.29. POWER FEEDER DUCT COOLING SYSTEM TR: T.O. 1E-3A-2-21-1									
A19.29.1. Operational fundamentals								-	-
A19.29.2. Perform operational check	*							-	-
A19.29.3. Troubleshoot system		*						-	-
A19.29.4. Inspect system components		*						-	-
A19.29.5 Remove/Install components									
A19.29.5.1 Primary/Altemate Fans	*							-	-
A19.29.5.2 Duct Overheat/Limit Switch								-	-
A19.29.5.3 IndicationPanel								-	-
A19.30. ANTENNA PEDESTAL ENVIRONMENTAL CONTROL SYSTEM TR: T.O. 1E-3A-2-21-1									
A19.30.1. Operational fundamentals								-	-
A19.30.2. Perform operational check	*							-	-
A19.30.3. Troubleshoot system		*						-	-
A19.30.4. Inspect system components		*						-	-
A19.30.5. Rotodome entry/exit procedures	*							-	-
A19.30.6. Raising and lowering equipment								-	-
A19.30.7. 7-Level FOD Inspection								-	-
A19.30.8. Remove/Install components									
A19.30.8.1. ECS Age Switch								-	-
A19.30.8.2. Duct sections	*							-	-
A19.30.8.3. Fan								-	-

E-3 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A19.30.8.4. Recirculation Valve								-	-
A19.30.8.5. Inlet/Outlet Door Actuator	*							-	-
A19.30.8.6. Inlet/Outlet Door Duct								-	-
A19.30.8.7. Other system components								-	-

E-8 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
ATTACHMENT 20 NOTE 1: In addition to attachment 2, the tasks and knowledge in attachment 20 will be performed by personnel assigned to maintain E-8 aircraft. NOTE 2: Users are responsible for annotating training references to identify current references pending ST Srevision. NOTE 3: Address comments and recommended changes through Unit Training Managers to the MAJCOM Maintenance Training Manager @ HQ AMC/A4MMT,402 Scott Drive Unit 2A2, Scott AFB, IL 62225-5308; or call DSN 576-4787. MAJCOM Training and Functional Managers forward inputs to the AETC Training Manager, DSN 736-6297.									
A20.1. ENVIRONMENTAL CONTROL SYSTEM TR: JIMIS21-00									
A20.1.1. Operational fundamentals								-	-
A20.1.2. Inspect system components		*						-	-
A20.1.3. Troubleshoot system		*						-	-
A20.1.4. Locate system components	*							-	-
A20.1.5. Perform ECSoperational checks	*							-	-
A20.1.6. Perform ECSleak checks	*							-	-
A20.1.7. LCS head pressure service	*							-	-
A20.1.8. LCS service								-	-
A20.1.9. Remove/Install ECS distribution components TR: JIMIS21-20									
A20.1.9.1. Ducts	*							-	-
A20.1.9.2. PME drawthrough fan								-	-
A20.1.9.3. Gasper fan								-	-
A20.1.9.4. Other system components								-	-
A20.1.10. Remove/Install ECS pressurization control components TR: JIMIS21-30									
A20.1.10.1. Waveguide pressure system components								-	-
A20.1.10.2. LCS head pressure system components								-	-
A20.1.10.3. Outflow valve	*							-	-
A20.1.10.4. Pressure controller	*							-	-
A20.1.10.5. Pressurization control panel	*							-	-
A20.1.11. Remove/Install ECS heating systems TR: JIMIS21-40									
A20.1.11.1. Auxiliary crewheat valve								-	-
A20.1.11.2. Other system components								-	-
A20.1.12. Remove/Install ECS cooling components TR: JIMIS21-50									
A20.1.12.1. Turbo fan								-	-
A20.1.12.2. Equipment cooling blower	*							-	-
A20.1.12.3. Equipment cooling blower dump valve								-	-
A20.1.12.4. Other system components								-	-

E-8 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A20.1.13. Remove/Install ECS temperature control components TR: JIMIS21-60									
A20.1.13.1. Cabin zone temperature controller	*							-	-
A20.1.13.2. Cockpit air temperatureregulator								-	-
A20.1.13.3. ACM	*							-	-
A20.1.13.4. Water separator	*							-	-
A20.1.13.5. Vapor cycle unit	*							-	-
A20.1.13.6. Evaporator fan	*							-	-
A20.1.13.7. Condenser fan	*							-	-
A20.1.13.8. Other system components								-	-
A20.1.14. Remove/Install ECS moisture control components TR: JIMIS21-70									
A20.1.14.1. Heater	*							-	-
A20.1.14.2. Controller	*							-	-
A20.1.14.3. Other system components								-	-
A20.1.15. Remove/Install ECS liquid cooling components TR: JIMIS21-70									
A20.1.15.1. Filter	*							-	-
A20.1.15.2. Filter assembly								-	-
A20.1.15.3. Other system components								-	-
A20.2. ELECTRICAL POWER SYSTEM TR: JIMIS24-00									
A20.2.1. Operational fundamentals								-	-
A20.2.2. Perform AC operational check								-	-
A20.2.3. Perform external power operational check								-	-
A20.2.4. Inspect system components		*						-	-
A20.2.5. Troubleshoot system		*						-	-
A20.2.6. Service IDG	*							-	-
A20.2.7. Locate system components	*							-	-
A20.2.8. Remove/Install generator drive components TR: JIMIS24-10									
A20.2.8.1. IDG	*							-	-
A20.2.8.2. Fin type oil cooler	*							-	-
A20.2.8.3. Filters	*							-	-
A20.2.8.4. Other system components								-	-
A20.2.9. Remove/Install AC generation system components TR: JIMIS24-20									
A20.2.9.1. Generator control unit	*							-	-
A20.2.9.2. Frequency and load control unit	*							-	-

E-8 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A20.2.9.3. Frequency referencing automatic paralleling unit								-	-
A20.2.9.4. Other system components								-	-
A20.2.10. Remove/Install DC power system components TR: JIMIS24-30									
A20.2.10.1. Transformer rectifier	*							-	-
A20.2.10.2. Other system components								-	-
A20.2.11. Remove/Install external power system components TR: JIMIS24-40									
A20.2.11.1. Buss power control unit	*							-	-
A20.2.11.2. Other system components								-	-
A20.2.12. Remove/Install electrical load distribution system components TR: JIMIS24-50									
A20.2.12.1. 60 Hz converter	*							-	-
A20.2.12.2. Other system components								-	-
A20.3. EQUIPMENT FURNISHINGS SYSTEM TR: JIMIS25-00									
A20.3.1. Perform bailout warning system operational check								-	-
A20.3.2. Remove/Install equipment furnishings system components TR: JIMIS25-60									
A20.3.2.1. Bailout warning bell								-	-
A20.3.2.2. Other system components								-	-
A20.4. FIRE PROTECTION SYSTEM TR: JIMIS26-00									
A20.4.1. Operational fundamentals								-	-
A20.4.2. Inspect system components		*						-	-
A20.4.3. Troubleshoot system		*						-	-
A20.4.4. Locate system components	*							-	-
A20.4.5. Perform engine fire detection operational checkout	*							-	-
A20.4.6. Perform APU fire detection operational checkout	*							-	-
A20.4.7. Remove/Install fire detection system components TR: JIMIS26-10								-	-
A20.4.7.1. Sensing elements	*							-	-
A20.4.7.2. Detection control units								-	-
A20.4.7.3. Other system components								-	-
A20.4.8. Remove/Install fire extinguishing system components TR: JIMIS26-20									
A20.4.8.1. Engine fire extinguisher bottle	*							-	-
A20.4.8.2. Engine fire bottle cartridge	*							-	-

E-8 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A	B
			Tag Start	Tag Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Level Course	5 Level
A20.4.8.3. APU fire extinguisher bottle	*							-	-
A20.4.8.4. APU fire bottle cartridge	*							-	-
A20.4.8.5. Other system components								-	-
A20.5. FLIGHT CONTROLS SYSTEM TR: JIMIS27-00									
A20.5.1. Operational fundamentals								-	-
A20.5.2. Inspect system components		*						-	-
A20.5.3. Troubleshoot system		*						-	-
A20.5.4. Locate system components	*							-	-
A20.5.5. Perform operational checkouts								-	-
A20.5.6. Remove/Install flight controls system components TR: JIMIS24-10 through 24-80									
A20.5.6.1. Stabilizer trim limit switch								-	-
A20.5.6.2. Leading edge flap limit switches	*								
A20.5.6.3. Other system components								-	-
A20.6. FUEL SYSTEM TR: JIMIS28-00									
A20.6.1. Operational fundamentals								-	-
A20.6.2. Inspect system components		*						-	-
A20.6.3. Troubleshoot system		*						-	-
A20.6.4. Locate system components	*							-	-
A20.6.5. Perform operational checkouts								-	-
A20.6.6. Remove/Install fuel system components TR: JIMIS28-10 through 28-40									
A20.6.6.1. UARRSI slipway light	*							-	-
A20.6.6.2. Dump chute actuator	*							-	-
A20.6.6.3. Other system components								-	-
A20.7. ICE AND RAIN PROTECTION SYSTEM TR: JIMIS 30-00									
A20.7.1. Operational fundamentals								-	-
A20.7.2. Inspect system components		*						-	-
A20.7.3. Troubleshoot system		*						-	-
A20.7.4. Locate system components	*							-	-
A20.7.5. Perform window heat operational check	*							-	-
A20.7.6. Perform operational checkouts								-	-
A20.7.7. Remove/Install airfoil ice and rain protection system components TR: JIMIS30-10									
A20.7.7.1. Anti-ice shutoff valve								-	-

E-8 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A20.7.7.2. Control panel								-	-
A20.7.7.3. Other system components								-	-
A20.7.8. Remove/Install air intake ice and rain protection system components TR: JIMIS30-20									
A20.7.8.1. Q-spring inlet heater								-	-
A20.7.8.2. Ram air scoop anti-icing valve								-	-
A20.7.8.3. Other system components								-	-
A20.7.9. Remove/Install window and windshield ice and rain protection system components TR: JIMIS30-30									
A20.7.9.1. Window heat control unit	*							-	-
A20.7.9.2. Window heat control panel								-	-
A20.7.9.3. Other system components								-	-
A20.8. LANDING GEAR SYSTEM TR: JIMIS32-00									
A20.8.1. Operational fundamentals								-	-
A20.8.2. Inspect system components		*						-	-
A20.8.3. Troubleshoot system		*						-	-
A20.8.4. Locate system components	*							-	-
A20.8.5. Remove/Install landing gear extension and retraction system components TR: JIMIS32-30									
A20.8.5.1. Safety switch								-	-
A20.8.5.2. Other system components								-	-
A20.8.6. Remove/Install landing gear wheels and brakes system components TR: JIMIS32-40									
A20.8.6.1. Anti-skid control shield	*							-	-
A20.8.6.2. Anti-skid detector	*							-	-
A20.8.6.3. Other system components								-	-
A20.8.7. Remove/Install landing gear position and warning system components TR: JIMIS32-60									
A20.8.7.1. Position switches	*							-	-
A20.8.7.2. Lock switches	*							-	-
A20.8.7.3. Other system components								-	-
A20.9. LIGHTING SYSTEM TR: JIMIS33-00									
A20.9.1. Operational fundamentals								-	-

E-8 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Ing Start	Ing Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A20.9.2. Inspect system components		*						-	-
A20.9.3. Troubleshoot system		*						-	-
A20.9.4. Locate system components	*							-	-
A20.9.5. Perform operational checkouts								-	-
A20.9.6. Remove/Install flight compartment lighting components TR: JIMIS 33-10									
A20.9.6.1. Lighting control panels	*							-	-
A20.9.6.2. Other system components								-	-
A20.9.7. Remove/Install PME compartment lighting and cargo components TR: JIMIS 33-20 and 33-30									
A20.9.7.1. Lighting control panels								-	-
A20.9.7.2. Lighting ballasts								-	-
A20.9.7.3. Other system components								-	-
A20.9.8. Remove/Install exterior lighting system components TR: JIMIS 33-40									
A20.9.8.1. Exterior lighting control panel	*							-	-
A20.9.8.2. Other system components								-	-
A20.9.9. Remove/Install emergency exit lighting system components TR: JIMIS 33-50									
A20.9.9.1. Emergency strip light/marker light	*							-	-
A20.9.9.2. Power supply	*							-	-
A20.9.9.3. Power pack	*							-	-
A20.9.9.4. Battery	*							-	-
A20.9.9.5. Other system components								-	-
A20.10. OXYGEN SYSTEM TR: JIMIS 35-00									
A20.10.1. Operational fundamentals								-	-
A20.10.2. Inspect system components		*						-	-
A20.10.3. Troubleshoot system		*						-	-
A20.10.4. Locate system components	*							-	-
A20.10.5. Perform operational checkouts								-	-
A20.10.6. Purge system	*							-	-
A20.10.7. Drain/service system	*							-	-
A20.10.8. Leak check	*							-	-
A20.10.9. Remove/Install oxygen system components TR: JIMIS 35-10									
A20.10.9.1. Liquid oxygen converter	*							-	-
A20.10.9.2. Oxygen pressure demand regulator	*							-	-

E-8 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A	B
			Tag Start	Tag Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Level Course	5 Level
A20.10.9.3. Other system components								-	-
A20.11. PNEUMATIC SYSTEM TR: JIMIS36-00									
A20.11.1. Operational fundamentals								-	-
A20.11.2. Inspect system components		*						-	-
A20.11.3. Troubleshoot system		*						-	-
A20.11.4. Locate system components	*							-	-
A20.11.5. Perform operational checkouts								-	-
A20.11.6. Lock out bleed air/firewall shut off valve	*							-	-
A20.11.7. Remove/Install distribution system components TR: JIMIS 36-10									
A20.11.7.1. Precooler	*							-	-
A20.11.7.2. Flow topping sensor	*							-	-
A20.11.7.3. Bleed air pressure regulator valve	*							-	-
A20.11.7.4. Firewall shut off valve	*							-	-
A20.11.8. Remove/Install indicating system components TR: JIMIS 36-20									
A20.11.8.1. Bleed air leak detection control unit								-	-
A20.11.8.2. Bleed air leak sensor elements	*							-	-
A20.11.8.3. Other system components								-	-
A20.12. AIRBORNE AUXILIARY POWER SYSTEM TR: JIMIS49-00 through 49-90									
A20.12.1. Operational fundamentals								-	-
A20.12.2. Inspect system components		*						-	-
A20.12.3. Troubleshoot system		*						-	-
A20.12.4. Locate system components	*							-	-
A20.12.5. Perform operational checkouts								-	-
A20.12.6. Remove/Install airborne auxiliary power system components TR: JIMIS49-00 through 49-90									
A20.12.6.1. Battery charger	*							-	-
A20.12.6.2. Bleed air shut off valve								-	-
A20.12.6.3. Other system components								-	-
A20.13. DOOR SYSTEM TR: JIMIS52-00 through 52-70									
A20.13.1. Operational fundamentals								-	-
A20.13.2. Inspect system components		*						-	-
A20.13.3. Troubleshoot system		*						-	-
A20.13.4. Locate system components	*							-	-

E-8 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A20.13.5. Perform operational checkouts								-	-
A20.13.6. Remove/Install door system components TR: JIMIS 52-00 through 52-70									
A20.13.6.1. Door warning switches	*							-	-
A20.13.6.2. Other system components								-	-
A20.14. ENGINE SYSTEM TR: JIMIS 70-00 through 80-10									
A20.14.1. Operational fundamentals	*							-	-
A20.14.2. Inspect system components		*						-	-
A20.14.3. Troubleshoot system		*						-	-
A20.14.4. Locate system components	*							-	-
A20.14.5. Perform operational checkouts								-	-
A20.14.6. Remove/Install exhaust system components TR: JIMIS 70-00 through 80-10									
A20.14.6.1. Thrust reverser warning switches	*							-	-
A20.14.6.2. Other system components								-	-

E-4B TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
ATTACHMENT 21 NOTE 1: In addition to attachment 2, the tasks and knowledge in attachment 21 will be performed by personnel assigned to maintain E-4B aircraft. NOTE 2: Users are responsible for annotating training references to identify current references pending ST Srevision. NOTE 3: Address comments and recommended changes through Unit Training Managers to the MAJCOM Maintenance Training Manager @ HQ AMC/A4MMT, 402 Scott Drive Unit 2A2, Scott AFB, IL 62225-5308; or call DSN 576-4787. MAJCOM Training and Functional Managers forward inputs to the AETC Training Manager, DSN 736-6297.									
A21.1. AC POWER SYSTEM –AC GENERATION/REGULATION TR: T.O. 1E-4B-2-24-20/21-00									
A21.1.1. Operational Fundamentals								-	-
A21.1.2. Operational Check of System	*							-	-
A21.1.3. Troubleshoot System	*							-	-
A21.1.4. Locate System Components	*							-	-
A21.1.5. Inspect System Components		*						-	-
A21.1.6. Remove/Install/Op Check Components									
A21.1.6.1. Integrated Drive Generator (IDG)	*							-	-
A21.1.6.2. IDG Oil Temperature indicator								-	-
A21.1.6.3. APU Driven Generator	*							-	-
A21.1.6.4. Step-Down Transformer	*							-	-
A21.1.6.5. Step-Down Transformer Blower Control Relays								-	-
A21.2. AC POWER SYSTEM-MANUAL/AUTOMATIC CONTROL TR: T.O. 1E-4B-2-24-22/23-00									
A21.2.1. Operational Fundamentals								-	-
A21.2.2. Operational Check of System	*							-	-
A21.2.3. Troubleshoot System	*							-	-
A21.2.4. Locate System Components	*							-	-
A21.2.5. Inspect System Components		*						-	-
A21.2.6. Remove/Install/Op Check Components									
A21.2.6.1. Auxiliary Power Breaker Close Protect Relay								-	-
A21.2.6.2. Essential Bus Selector Relay								-	-
A21.2.6.3. Generator Control Module								-	-
A21.2.6.4. Generator/Bus Tie/Auxiliary Power Breaker								-	-
A21.2.6.5. Split System Breaker								-	-
A21.2.6.6. Engine Generator/Auxiliary Generator/Bus Control Unit	*							-	-
A21.2.6.7. Drive Control Unit	*							-	-
A21.2.6.8. Current Transformer								-	-
A21.3. AC POWER SYSTEM-ANNUNCIATION/INDICATION TR: T.O. 1E-4B-2-24-27/28-00									

E-4B TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A21.3.1. Operational Fundamentals								-	-
A21.3.2. Operational Check of System	*							-	-
A21.3.3. Troubleshoot System	*							-	-
A21.3.4. Locate System Components	*							-	-
A21.3.5. Inspect System Components		*						-	-
A21.3.6. Remove/Install/Op Check Components									
A21.3.6.1. AC Power Control Module								-	-
A21.3.6.2. Essential AC Bus Module								-	-
A21.3.6.3. Essential Power Failure Relay								-	-
A21.3.6.4. Maintenance Annunciator Module								-	-
A21.3.6.5. Maintenance Annunciator Relays								-	-
A21.3.6.6. AC Auxiliary Power Ammeters								-	-
A21.3.6.7. AC Load Meters								-	-
A21.3.6.8. AC Meters Module								-	-
A21.3.6.9. Main AC Volt and Frequency Meters								-	-
A21.4. AC POWER SYSTEM-STANDBY 115 VAC POWER GENERATION SYSTEM TR: T.O. 1E-4B-2-24-29-00									
A21.4.1. Operational Fundamentals								-	-
A21.4.2. Operational Check of System	*							-	-
A21.4.3. Troubleshoot System	*							-	-
A21.4.4. Locate System Components	*							-	-
A21.4.5. Inspect System Components		*						-	-
A21.4.6. Remove/Install/Op Check Components									
A21.4.6.1. Static Inverter								-	-
A21.4.6.2. Static Inverter Control Relay								-	-
A21.5. MAIN 28 VDC POWER-GENERATION SYSTEM TR: T.O. 1E-4B-2-24-30/31-00									
A21.5.1. Operational Fundamentals								-	-
A21.5.2. Operational Check of System	*							-	-
A21.5.3. Troubleshoot System	*							-	-
A21.5.4. Locate System Components	*							-	-
A21.5.5. Inspect System Components		*						-	-
A21.5.6. Remove/Install/Op Check Components									
A21.5.6.1. APU Battery								-	-
A21.5.6.2. APU Battery Bus Control Relay								-	-
A21.5.6.3. APU Battery Charger								-	-

E-4B TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A21.5.6.4. APU Battery Charger Interlock Relay								-	-
A21.5.6.5. APU Battery Control Blocking Diodes								-	-
A21.5.6.6. APU Battery Charger Enable Relay								-	-
A21.5.6.7. APU Battery Charger Disable Relay								-	-
A21.5.6.8. APU Battery Cooling Fan								-	-
A21.5.6.9. APU Battery Heating Pad								-	-
A21.5.6.10. APU Battery Thermal Switch								-	-
A21.5.6.11. Main Aircraft Battery								-	-
A21.5.6.12. Main Aircraft Battery/Battery Bus Transfer Relays								-	-
A21.5.6.13. Main Aircraft Battery Charger								-	-
A21.6. MAIN 28 VDC POWER-TRANSFORMER RECTIFIER UNITS TR: T.O. 1E-4B-2-24-32-00									
A21.6.1. Operational Fundamentals								-	-
A21.6.2. Operational Check of System	*							-	-
A21.6.3. Troubleshoot System	*							-	-
A21.6.4. Locate System Components	*							-	-
A21.6.5. Inspect System Components		*						-	-
A21.6.6. Remove/Install/Op Check Components									
A21.6.6.1. DC Bus Isolation Panel								-	-
A21.6.6.2. DC Bus Isolation Relays								-	-
A21.6.6.3. Essential Auxiliary Transformer Rectifier Units								-	-
A21.6.6.4. Main Transformer Rectifier Units								-	-
A21.7. DC STANDBY POWER SYSTEM TR: T.O. 1E-4B-2-24-33-00									
A21.7.1. Operational Fundamentals								-	-
A21.7.2. Operational Check of System	*							-	-
A21.7.3. Troubleshoot System	*							-	-
A21.7.4. Locate System Components	*							-	-
A21.7.5. Inspect System Components		*						-	-
A21.7.6. Remove/Install/Op Check Components									
A21.7.6.1. Standby Power Relays								-	-
A21.7.6.2. Voltage Booster								-	-
A21.8. MAIN DC METERS/INDICATION TR: T.O. 1E-4B-2-24-34-00									
A21.8.1. Operational Fundamentals								-	-
A21.8.2. Operational Check of System	*							-	-

E-4B TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A21.8.3. Troubleshoot System	*							-	-
A21.8.4. Locate System Components	*							-	-
A21.8.5. Inspect System Components		*						-	-
A21.8.6. Remove/Install/Op Check Components									
A21.8.6.1. APU Battery Meter Shunt								-	-
A21.8.6.2. Main Aircraft Battery Meter Shunt								-	-
A21.8.6.3. DC Meters module								-	-
A21.8.6.4. Main DC Voltmeter/Ammeter								-	-
A21.9. EXTERNAL POWER TR: T.O. 1E-4B-2-24-41-00									
A21.9.1. Operational Fundamentals								-	-
A21.9.2. Operational Check of System	*							-	-
A21.9.3. Troubleshoot System	*							-	-
A21.9.4. Locate System Components	*							-	-
A21.9.5. Inspect System Components		*						-	-
A21.9.6. Connect/Disconnect External Power	*							-	-
A21.9.7. Remove/Install/Op Check Components									
A21.9.7.1. External Power Contactor								-	-
A21.9.7.2. External Power EMP Filter Assembly	*							-	-
A21.9.7.3. External Power Fault Protector								-	-
A21.9.7.4. External Power Fault Protector Fuses	*							-	-
A21.9.7.5. External Power Receptacle	*							-	-
A21.9.7.6. Ground Power Sensing Relays								-	-
A21.10. AIRPLANE POWER DISTRIBUTION SYSTEM TR: T.O. 1E-4B-2-24-50-00									
A21.10.1. Troubleshoot System	*							-	-
A21.10.2. Remove/Install/Op Check of Circuit Breakers	*							-	-
A21.10.3. Main 115 VAC Power Distribution System TR: T.O. 1E-4B-2-24-51-00									
A21.10.3.1. Operational Fundamentals								-	-
A21.10.3.2. Operational Check of System	*							-	-
A21.10.3.3. Locate System Components	*							-	-
A21.10.3.4. Inspect System Components		*						-	-
A21.10.3.5. Remove/Install/Op Check Components									
A21.10.3.5.1. Electrical Load Control Unit	*							-	-
A21.10.3.5.2. Flight Bus Control Relays								-	-

E-4B TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A21.10.4. Main 26/28 VAC Power Distribution System TR: T.O. 1E-4B-2-24-53-00									
A21.10.4.1. Operational Fundamentals								-	-
A21.10.4.2. Operational Check of System	*							-	-
A21.10.4.3. Locate System Components	*							-	-
A21.10.4.4. Inspect System Components		*						-	-
A21.10.4.5. Remove/Install/Op Check Components									
A21.10.4.5.1. Main 26/28 VAC Transformers								-	-
A21.10.5. Main 28 VDC Power Distribution System TR: T.O. 1E-4B-2-24-54-00									
A21.10.5.1. Operational Fundamentals								-	-
A21.10.6. Electronic Power Distribution System TR: T.O. 1E-4B-2-24-58-00									
A21.10.6.1. Operational Fundamentals								-	-
A21.10.6.2. Remove/Install/Op Check Radio Bus Relays								-	-
A21.11. MISSION POWER SYSTEM TR: T.O. 1E-4B-2-24-60-00									
A21.11.1. Mission 115 VAC Power TR: T.O. 1E-4B-2-24-61-00									
A21.11.1.1. Operational Fundamentals								-	-
A21.11.1.2. Operational Check of System	*							-	-
A21.11.1.3. Troubleshoot System	*							-	-
A21.11.1.4. Locate System Components	*							-	-
A21.11.1.5. Inspect System Components		*						-	-
A21.11.1.6. Remove/Install/Op Check Components									
A21.11.1.6.1. Load Shed Control Relay Assembly								-	-
A21.11.1.6.2. Mission AC Power Control Module								-	-
A21.11.2. Mission 10 VDC Power TR: T.O. 1E-4B-2-24-62-00									
A21.11.2.1. Operational Fundamentals								-	-
A21.11.2.2. Operational Check of System	*							-	-
A21.11.2.3. Troubleshoot System	*							-	-
A21.11.2.4. Locate System Components	*							-	-
A21.11.2.5. Inspect System Components		*						-	-
A21.11.3. Remove/Install/Op Check Components									
A21.11.3.1. Mission 10 VDC Power Supply								-	-
A21.11.3.2. Mission 10 VDC Voltage and Reference Comparator								-	-

E-4B TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A21.11.4. Mission 28 VDC Power TR: T.O. 1E-4B-2-24-62-00									
A21.11.4.1. Operational Fundamentals								-	-
A21.11.4.2. Operational Check of System	*							-	-
A21.11.4.3. Troubleshoot System	*							-	-
A21.11.4.4. Locate System Components	*							-	-
A21.11.4.5. Inspect System Components		*						-	-
A21.11.4.6. Remove/Install/Op Check Components									
A21.11.4.6.1. 28 VDC Voltage and ReferenceComparator								-	-
A21.11.4.6.2. Mission 28 VDC Transformer Rectifier								-	-
A21.11.4.6.3. Mission DC Power Control Module								-	-
A21.11.5. Mission 28 VAC Power TR: T.O. 1E-4B-2-24-64-00									
A21.11.5.1. Operational Fundamentals								-	-
A21.11.5.2. Operational Check of System	*							-	-
A21.11.5.3. Troubleshoot System	*							-	-
A21.11.5.4. Locate System Components	*							-	-
A21.11.5.5. Inspect System Components		*						-	-
A21.11.5.6. Remove/Install/Op Check Mission 28 VAC Transformer								-	-
A21.11.6. Mission 115 VAC 60 Hz Power TR: T.O. 1E-4B-2-24-65-00									
A21.11.6.1. Operational Fundamentals								-	-
A21.11.6.2. Operational Check of System	*							-	-
A21.11.6.3. Troubleshoot System	*							-	-
A21.11.6.4. Locate System Components	*							-	-
A21.11.6.5. Inspect System Components		*						-	-
A21.11.6.6. Remove/Install/Op Check 60 Hz Frequency Converter								-	-
A21.11.7. Mission Power Meters/Indication TR: 1E-4B-2-24-66-00									
A21.11.7.1. Operational Fundamentals								-	-
A21.11.7.2. Operational Check of System	*							-	-
A21.11.7.3. Troubleshoot System	*							-	-
A21.11.7.4. Locate System Components	*							-	-
A21.11.7.5. Inspect System Components		*						-	-
A21.11.8. Remove/Install/Op Check Components									
A21.11.8.1. External AC Power Monitor								-	-

E-4B TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A21.11.8.2. Remote Transducer								-	-
A21.12. LIGHTING SYSTEM TR: T.O. 1E-4B-2-33-00-00									
A21.12.1. Panel Lights TR: T.O. 1E-4B-2-33-11/12/13/14-00									
A21.12.1.1. Operational Fundamentals								-	-
A21.12.1.2. Operational Check of System	*							-	-
A21.12.1.3. Troubleshoot System	*							-	-
A21.12.1.4. Locate System Components	*							-	-
A21.12.1.5. Inspect System Components		*						-	-
A21.12.1.6. Remove/Install/Op Check Components									
A21.12.1.6.1. Master Dim and Test Modules								-	-
A21.12.1.6.2. Master Dim and Test Module Circuit Cards	*							-	-
A21.12.1.6.3. Master Dim and Test Module Relays								-	-
A21.12.1.6.4. Pilots Background Light Control Transformer								-	-
A21.12.1.6.5. Pilots Overhead Panel Override/Storm Switch								-	-
A21.12.1.6.6. Panel Light Dimmer/Transformers	*							-	-
A21.12.1.6.7. Lightshield/Floodlight Ballasts								-	-
A21.12.1.6.8. Panel Indicator Light Assembly/Electronic Module/Lens	*							-	-
A21.12.1.6.9. Lighted Pushbutton Switches	*							-	-
A21.12.1.6.10. Pilots Indicator Lights Dim/Test Switch								-	-
A21.12.1.6.11. Relamp Panel Floodlights-Incandescent/Fluorescent								-	-
A21.12.1.6.12. Relamp/Replace Lightplates								-	-
A21.12.1.6.13. Flight Engineer Light Control Module								-	-
A21.12.1.6.14. Navigator Dim and Test Panel								-	-
A21.12.2. Interior Lights TR: T.O. 1E-4B-2-33-23/24/28/31-00									
A21.12.2.1. Operational Fundamentals								-	-
A21.12.2.2. Operational Check of System	*							-	-
A21.12.2.3. Troubleshoot System	*							-	-
A21.12.2.4. Locate System Components	*							-	-
A21.12.2.5. Inspect System Components		*						-	-
A21.12.2.6. Remove/Install/Op Check Components									
A21.12.2.6.1. Servicing Lights								-	-
A21.12.2.6.2. Adjustable Spotlights								-	-
A21.12.2.6.3. Soffit Lights								-	-
A21.12.2.6.4. Adjustable/Dual Reading Lights								-	-

E-4B TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A21.12.2.6.5. Floodlights								-	-
A21.12.2.6.6. Portable Work/Utility Lights								-	-
A21.12.2.6.7. Bunk Lights								-	-
A21.12.2.6.8. Work Lights								-	-
A21.12.2.6.9. Interior/Cabin Light Control Panels								-	-
A21.12.2.6.10. Passenger Information Signs	*							-	-
A21.12.2.6.11. Passenger Information Sign Control Panel								-	-
A21.12.2.6.12. Evacuation Alert Panel								-	-
A21.12.2.6.13. Stairwell Dome Lights								-	-
A21.12.2.6.14. Stair Tread Lights								-	-
A21.12.2.6.15. General Illumination Lights								-	-
A21.12.2.6.16. Service Compartment Lights								-	-
A21.12.2.6.17. Relay Boxes								-	-
A21.12.3. External Lights TR: T.O. 121E-4B-2-33-40/41/42/43/44/46/47-00									
A21.12.3.1. Operational Fundamentals								-	-
A21.12.3.2. Operational Check of System	*							-	-
A21.12.3.3. Troubleshoot System	*							-	-
A21.12.3.4. Locate System Components	*							-	-
A21.12.3.5. Inspect System Components		*						-	-
A21.12.3.6. Remove/Install/Op Check Components									
A21.12.3.6.1. Wing Illumination Lights								-	-
A21.12.3.6.2. Wing Illumination Light Transformer								-	-
A21.12.3.6.3. Landing Lights								-	-
A21.12.3.6.4. Landing Light Transformer								-	-
A21.12.3.6.5. Runway Turnoff Lights								-	-
A21.12.3.6.6. Tail Navigation Lights								-	-
A21.12.3.6.7. Wingtip Navigation Lights								-	-
A21.12.3.6.8. Wingtip Navigation Light Transformer								-	-
A21.12.3.6.9. Upper Anticollision/Beacon Light								-	-
A21.12.3.6.10. Lower Anticollision/Beacon Light								-	-
A21.12.3.6.11. Tail Strobe Lights								-	-
A21.12.3.6.12. Tail Strobe Light Power Supply	*							-	-
A21.12.3.6.13. Cargo Handling Area Lights								-	-
A21.12.3.6.14. Cargo Handling Area Light Transformer								-	-
A21.12.3.6.15. Aerial Refueling Lights								-	-

E-4B TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A21.12.3.7. Emergency Lights TR: 1E-4B-2-33-51-00									
A21.12.3.7.1. Operational Fundamentals								-	-
A21.12.3.7.2. Operational Check of System	*							-	-
A21.12.3.7.3. Troubleshoot System	*							-	-
A21.12.3.7.4. Locate System Components	*							-	-
A21.12.3.7.5. Inspect System Components		*						-	-
A21.12.3.7.6. Remove/Install/Op Check Components									
A21.12.3.7.6.1. Emergency Lights Control Panel								-	-
A21.12.3.7.6.2. Overwing Emergency Lights								-	-
A21.12.3.7.6.3. Power Supply Unit								-	-
A21.12.3.7.6.4. Main Entry Doorframe Lights								-	-
A21.12.3.7.6.5. Door Mounted Lights								-	-
A21.12.3.7.6.6. Entryway and Ceiling Light Modules								-	-
A21.13. LANDING GEAR SYSTEM TR: T.O. 1E-4B-2-32-00-00									
A21.13.1. Ground Safety Relay System TR: T.O. 1E-4B-2-32-09-02									
A21.13.1.1. Operational Fundamentals								-	-
A21.13.1.2. Operational Check of System	*							-	-
A21.13.1.3. Troubleshoot System	*							-	-
A21.13.1.4. Locate System Components	*							-	-
A21.13.1.5. Inspect System Components		*						-	-
A21.13.1.6. Put Air/Ground Relay System in Air Mode		*						-	-
A21.13.1.7. Remove/Install Ground Safety Master and Control Relays								-	-
A21.13.2. Anti-Skid System TR: T.O. 1E-4B-2-32-42-00									
A21.13.2.1. Operational Fundamentals								-	-
A21.13.2.2. Operational Check of System	*							-	-
A21.13.2.3. Troubleshoot System	*							-	-
A21.13.2.4. Locate System Components	*							-	-
A21.13.2.5. Inspect System Components		*						-	-
A21.13.2.6. Remove/Install/Op Check Components									
A21.13.2.6.1. Anti-Skid On-Off Switch Panel								-	-
A21.13.2.6.2. Anti-Skid Landing Gear Tilt Input Module								-	-
A21.13.2.6.3. Anti-Skid Control Unit	*							-	-

E-4B TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A21.13.2.6.4. Anti-Skid Transducer	*							-	-
A21.13.2.6.5. Anti-Skid Fault Annunciator Module								-	-
A21.13.2.6.6. Anti-Skid Fault Annunciator Printed Circuit Cards								-	-
A21.13.3. Autobrake System TR: T.O. 1E-4B-2-32-43-00									
A21.13.3.1. Operational Fundamentals								-	-
A21.13.3.2. Operational Check of System	*							-	-
A21.13.3.3. Troubleshoot System	*							-	-
A21.13.3.4. Locate System Components	*							-	-
A21.13.3.5. Inspect System Components		*						-	-
A21.13.3.6. Remove/Install/Op Check Components									
A21.13.3.6.1. Autobrake Control Unit								-	-
A21.13.3.6.2. Autobrake Selector Module								-	-
A21.13.4. Brake Temperature Monitoring System TR: T.O. 1E-4B-2-32-46-00									
A21.13.4.1. Operational Fundamentals								-	-
A21.13.4.2. Operational Check of System	*							-	-
A21.13.4.3. Troubleshoot System	*							-	-
A21.13.4.4. Locate System Components	*							-	-
A21.13.4.5. Inspect System Components		*						-	-
A21.13.4.6. Remove/Install/Op Check Components									
A21.13.4.6.1. Brake Temperature Sensor								-	-
A21.13.4.6.2. Brake Temperature Indicator Unit								-	-
A21.13.5. Nose Wheel Steering System TR: T.O. 1E-4B-2-32-51-00									
A21.13.5.1. Operational fundamentals								-	-
A21.13.5.2. Troubleshoot System	*							-	-
A21.13.5.3. Locate System Components	*							-	-
A21.13.5.4. Inspect System Components		*						-	-
A21.13.5.5. Remove/Install/Op Check NoseGear Squat Switch								-	-
A21.13.6. Body Gear Steering System TR: T.O. 1E-4B-2-32-53-00									
A21.13.6.1. Operational fundamentals								-	-
A21.13.6.2. Troubleshoot System	*							-	-
A21.13.6.3. Locate System Components	*							-	-
A21.13.6.4. Inspect System Components		*						-	-
A21.13.6.5. Remove/Install/Op Check Components									

E-4B TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A21.13.6.5.1. Body Gear Steering Command Transducer								-	-
A21.13.6.5.2. Body Gear Steering Electronic Control Unit								-	-
A21.13.6.5.3. Body Gear Steering Arming Switch								-	-
A21.13.6.5.4. Body Gear Steering Actuator Lock Switch								-	-
A21.13.7. Landing Gear Indication and Warning System TR: T.O. 1E-4B-2-32-61-00									
A21.13.7.1. Operational Fundamentals								-	-
A21.13.7.2. Operational Check of System	*							-	-
A21.13.7.3. Troubleshoot System	*							-	-
A21.13.7.4. Locate System Components	*							-	-
A21.13.7.5. Inspect System Components		*						-	-
A21.13.7.6. Remove/Install/Op Check Components									
A21.13.7.6.1. Wing and Body Gear Downlock/Uplock Sensors								-	-
A21.13.7.6.2. Wing Gear Truck Rotation Sensor and Body Gear Truck Position Sensor								-	-
A21.13.7.6.3. Nose Gear Lock Sensor and Up Sensor								-	-
A21.13.7.6.4. Landing Gear (Wing, Body, and Nose) Door Warning Sensor								-	-
A21.13.7.6.5. Flight Engineers Landing Gear Module								-	-
A21.13.7.6.6. Primary/Alternate Landing Gear Logic Module								-	-
A21.13.7.6.7. Primary/Alternate Landing Gear Logic Module Printed Circuit Card	*							-	-
A21.13.7.6.8. Alternate Logic Module Relays								-	-
A21.13.7.6.9. Wing Gear Door Warning Sensor Actuator								-	-
A21.13.7.6.10. Body Gear Door Warning Sensor Actuator								-	-
A21.14. FLIGHT CONTROLS TR: T.O. 1E-4B-2-27-00-00									
A21.14.1. Trailing Edge Flap System TR: T.O. 1E-4B-2-27-51-00									
A21.14.1.1. Operational Fundamentals								-	-
A21.14.1.2. Operational Check of System	*							-	-
A21.14.1.3. Troubleshoot System	*							-	-
A21.14.1.4. Locate System Components	*							-	-
A21.14.1.5. Inspect System Components		*						-	-
A21.14.1.6. Remove/Install/Op Check Components									
A21.14.1.6.1. Flap Limit Switches								-	-
A21.14.1.6.2. Adjust Flap Limit Switches								-	-
A21.14.1.6.3. Flap Alternate Drive Motor								-	-

E-4B TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A21.14.1.6.4. Flap Alternate Drive Motor Oil Servicing	*							-	-
A21.14.1.6.5. Flap Control Lever Actuated Switches		*						-	-
A21.14.2. Automatic Speed Brake (Auto Spoilers) System TR: T.O. 1E-4B-2-27-62-00									
A21.14.2.1. Operational Fundamentals								-	-
A21.14.2.2. Operational Check of System	*							-	-
A21.14.2.3. Troubleshoot System	*							-	-
A21.14.2.4. Locate System Components	*							-	-
A21.14.2.5. Inspect System Components		*						-	-
A21.14.2.6. Remove/Install/Op Check Components									
A21.14.2.6.1. Automatic Speed Brake Actuator								-	-
A21.14.2.6.2. Speed Brake Control Lever Lock								-	-
A21.14.2.6.3. Automatic Speed Brake Down Switch								-	-
A21.14.3. Leading Edge Flap System/Indicating System TR: T.O. 1E-4B-2-27-81/88-00									
A21.14.3.1. Operational Fundamentals								-	-
A21.14.3.2. Operational Check of System	*							-	-
A21.14.3.3. Troubleshoot System	*							-	-
A21.14.3.4. Locate System Components	*							-	-
A21.14.3.5. Inspect System Components		*						-	-
A21.14.3.6. Install Leading Edge Safety Locks	*							-	-
A21.14.3.7. Remove/Install/Op Check Components									
A21.14.3.7.1. Pneumatic Drive Unit	*							-	-
A21.14.3.7.2. Pneumatic Drive Unit Oil Servicing	*							-	-
A21.14.3.7.3. Pneumatic Drive Unit Alternate Drive Electric Motor								-	-
A21.14.3.7.4. Other Components on Pneumatic Drive Unit								-	-
A21.14.3.7.5. Leading Edge Flap Position Switches								-	-
A21.14.3.7.6. Leading Edge Flaps Display Logic Module Printed Circuit Assemblies								-	-
A21.15. FIRE PROTECTION TR: T.O. 1E-4B-2-26-00-00									
A21.15.1. Engine/APU/Wheel Well Fire Detection TR: T.O. 1E-4B-2-26-10/11/15/17-00									
A21.15.1.1. Operational Fundamentals								-	-
A21.15.1.2. Operational Check of System	*							-	-
A21.15.1.3. Troubleshoot System	*							-	-
A21.15.1.4. Locate System Components	*							-	-

E-4B TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A21.15.1.5. Inspect System Components		*						-	-
A21.15.1.6. Remove/Install/Op Check Components									
A21.15.1.6.1. Fire Detection Control Electronics Module								-	-
A21.15.1.6.2. Fire Detection Control Electronics Module Printed Circuit Cards	*							-	-
A21.15.1.6.3. Fire Detection Control Module								-	-
A21.15.1.6.4. Fire Sensing Element	*							-	-
A21.15.1.6.5. Engine Nacelle Temperature Indicator								-	-
A21.15.1.6.6. APU Control Module								-	-
A21.15.1.6.7. APU Fire Shutdown Module								-	-
A21.15.1.6.8. Wheel Well Fire Warning Module								-	-
A21.15.2. Smoke Detection TR: T.O. 1E-4B-2-26-16-00									
A21.15.2.1. Operational Fundamentals								-	-
A21.15.2.2. Operational Check of System	*							-	-
A21.15.2.3. Troubleshoot System	*							-	-
A21.15.2.4. Locate System Components	*							-	-
A21.15.2.5. Inspect System Components		*						-	-
A21.15.2.6. Remove/Install/Op Check Components									
A21.15.2.6.1. Smoke Detection System Monitor								-	-
A21.15.2.6.2. Smoke Detection Assembly								-	-
A21.15.2.6.3. Smoke Detector Flow Switch								-	-
A21.15.2.6.4. Smoke Detector Sensor								-	-
A21.15.2.6.5. Smoke Detector Amplifier								-	-
A21.15.2.6.6. Smoke Detector Blower								-	-
A21.15.3. Wing Leading Edge Overheat System TR: T.O. 1E-4B-2-26-18-00									
A21.15.3.1. Operational Fundamentals								-	-
A21.15.3.2. Operational Check of System	*							-	-
A21.15.3.3. Troubleshoot System	*							-	-
A21.15.3.4. Locate System Components	*							-	-
A21.15.3.5. Inspect System Components		*						-	-
A21.15.3.6. Remove/Install/Op Check Components									
A21.15.3.6.1. Wing Leading Edge Overheat Detection Module								-	-
A21.15.3.6.2. Wing Leading Edge Overheat Thermal Switch								-	-
A21.15.4. 15VLF/LF Winch Fire Detection System TR: T.O. 1E-4B-2-26-19-00									

E-4B TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A21.15.4.1. Operational Fundamentals								-	-
A21.15.4.2. Operational Check of System	*							-	-
A21.15.4.3. Troubleshoot System	*							-	-
A21.15.4.4. Locate System Components	*							-	-
A21.15.4.5. Inspect System Components		*						-	-
A21.15.4.6. Remove/Install/Op Check Components									
A21.15.4.6.1. VLF/LF Winch Fire Detection Module								-	-
A21.15.4.6.2. VLF/LF Thermal Switches								-	-
A21.15.5. Engine/APU Fire Extinguishing TR: T.O. 1E-4B-2-26-20/21/22-00									
A21.15.5.1. Operational Fundamentals								-	-
A21.15.5.2. Operational Check of System	*							-	-
A21.15.5.3. Troubleshoot System	*							-	-
A21.15.5.4. Locate System Components	*							-	-
A21.15.5.5. Inspect System Components		*						-	-
A21.15.5.6. Remove/Install/Op Check Components									
A21.15.5.6.1. Engine Fire Control Module								-	-
A21.15.5.6.2. Engine Squib Test Module								-	-
A21.15.5.6.3. Engine Fire Extinguisher Squib	*							-	-
A21.15.5.6.4. Engine Fire Extinguisher Bottle	*							-	-
A21.15.5.6.5. Engine Fire Extinguisher Pressure Switch								-	-
A21.15.5.6.6. Engine/APU Agent Discharge Indicator Disk								-	-
A21.15.5.6.7. APU Fire Extinguisher Bottle	*							-	-
A21.15.5.6.8. APU Fire Extinguisher Pressure Switch								-	-
A21.16. DOORS TR: T.O. 1E-4B-2-52-00-00									
A21.16.1. Forward/Aft Cargo Doors TR: T.O. 1E-4B-2-52-34-00									
A21.16.1.1. Operational Fundamentals								-	-
A21.16.1.2. Operational Check of System	*							-	-
A21.16.1.3. Troubleshoot System	*							-	-
A21.16.1.4. Locate System Components	*							-	-
A21.16.1.5. Inspect System Components		*						-	-
A21.16.1.6. Remove/Install/Op Check Components									
A21.16.1.6.1. Cargo Door Junction Boxes								-	-
A21.16.1.6.2. Cargo Door Sequence Switches								-	-
A21.16.1.6.3. Adjustment of Cargo Door Sequence Switches								-	-

E-4B TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A21.16.1.6.4. Cargo Door Control Panel								-	-
A21.16.2. On-Board Folding Airstairs TR: T.O. 1E-4B-2-52-61-00									
A21.16.2.1. Operational Fundamentals								-	-
A21.16.2.2. Operational Check of System	*							-	-
A21.16.2.3. Troubleshoot System	*							-	-
A21.16.2.4. Locate System Components	*							-	-
A21.16.2.5. Inspect System Components		*						-	-
A21.16.2.6. Remove/Install/Op Check Components									
A21.16.2.6.1. Airstairs Microswitches								-	-
A21.16.2.6.2. Adjustment of Airstairs Microswitches								-	-
A21.16.2.6.3. Airstairs Primary Pump Relay								-	-
A21.16.2.6.4. Airstairs Step Light Assembly								-	-
A21.16.2.6.5. Inboard/Outboard Switch Boxes and Junction Box								-	-
A21.16.3. Door Warning System TR: T.O. 1E-4B-2-52-71-00									
A21.16.3.1. Operational Fundamentals								-	-
A21.16.3.2. Operational Check of System	*							-	-
A21.16.3.3. Troubleshoot System	*							-	-
A21.16.3.4. Locate System Components	*							-	-
A21.16.3.5. Inspect System Components		*						-	-
A21.16.3.6. Remove/Install/Adjust/Op Check Door Warning Switches								-	-
A21.17. FUEL SYSTEM TR: T.O. 1E-4B-2-28-00-00									
A21.17.1. Center Wing Tank Scavenge System TR: T.O. 1E-4B-2-28-15-00									
A21.17.1.1. Operational Fundamentals								-	-
A21.17.1.2. Operational Check of System	*							-	-
A21.17.1.3. Troubleshoot System	*							-	-
A21.17.1.4. Locate System Components	*							-	-
A21.17.1.5. Inspect System Components		*						-	-
A21.17.1.6. Remove/Install/Op Check Components									
A21.17.1.6.1. Scavenge Pump								-	-
A21.17.1.6.2. Scavenge Shut off Valve Actuator								-	-
A21.17.2. Reserve and Main Tank Interconnect System TR: T.O. 1E-4B-2-28-16-00									
A21.17.2.1. Operational Fundamentals								-	-

E-4B TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A21.17.2.2. Operational Check of System	*							-	-
A21.17.2.3. Troubleshoot System	*							-	-
A21.17.2.4. Locate System Components	*							-	-
A21.17.2.5. Inspect System Components		*						-	-
A21.17.2.6. Remove/Install/Op Check Components									
A21.17.2.6.1. Reserve Tank Transfer Valve Actuator								-	-
A21.17.2.6.2. Main Tank Transfer Valve Actuator								-	-
A21.17.3. Pressure Fueling System TR: T.O. 1E-4B-2-28-21-00									
A21.17.3.1. Operational Fundamentals								-	-
A21.17.3.2. Operational Check of System	*							-	-
A21.17.3.3. Troubleshoot System	*							-	-
A21.17.3.4. Locate System Components	*							-	-
A21.17.3.5. Inspect System Components		*						-	-
A21.17.3.6. Remove/Install/Op Check Components									
A21.17.3.6.1. Refuel Valve Control Unit								-	-
A21.17.3.6.2. Fueling Power Control Switch								-	-
A21.17.3.6.3. Fueling Power Transfer Relay								-	-
A21.17.4. Engine Fuel Feed System TR: T.O. 1E-4B-2-28-22-00									
A21.17.4.1. Operational Fundamentals								-	-
A21.17.4.2. Operational Check of System	*							-	-
A21.17.4.3. Troubleshoot System	*							-	-
A21.17.4.4. Locate System Components	*							-	-
A21.17.4.5. Inspect System Components		*						-	-
A21.17.4.6. Fuel Pump/LCSPump Insulation ResistanceCheck	*							-	-
A21.17.4.7. Remove/Install/Op Check Components									
A21.17.4.7.1. Engine Fuel Shutoff Valve Actuator								-	-
A21.17.4.7.2. Engine Fuel Crossfeed Valve Actuator								-	-
A21.17.5. Air Refueling Receiver System TR: T.O. 1E-4B-2-28-23-00									
A21.17.5.1. Operational Fundamentals								-	-
A21.17.5.2. Operational Check of System	*							-	-
A21.17.5.3. Troubleshoot System	*							-	-
A21.17.5.4. Locate System Components	*							-	-
A21.17.5.5. Inspect System Components		*						-	-
A21.17.5.6. Remove/Install/Op Check Components									

E-4B TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A21.17.5.6.1. A/R Manifold Overpressure Switch								-	-
A21.17.5.6.2. A/R Manifold Isolation Valve Actuator								-	-
A21.17.5.6.3. A/R Shut off Pre-Check Valve Solenoid and Poppet								-	-
A21.17.5.6.4. Ground Fueling Lockout Control Valve Solenoid and Poppet								-	-
A21.17.5.6.5. A/R Pressure Switch								-	-
A21.17.5.6.6. Center Wing Tank A/R Fueling Valve Control Unit								-	-
A21.17.5.6.7. A/R Hydraulic Interconnect Valve Motor								-	-
A21.17.6. APU Fuel Feed System TR: T.O. 1E-4B-2-28-25-00									
A21.17.6.1. Operational Fundamentals								-	-
A21.17.6.2. Operational Check of System	*							-	-
A21.17.6.3. Troubleshoot System	*							-	-
A21.17.6.4. Locate System Components	*							-	-
A21.17.6.5. Inspect System Components		*						-	-
A21.17.6.6. Remove/Install/Op Check Components									
A21.17.6.6.1. APU DC Boost Pump								-	-
A21.17.6.6.2. APU Fuel Shutoff Valve Actuator								-	-
A21.17.6.6.3. APU Fuel Boost Pump Control Pressure Switch								-	-
A21.17.7. Fuel Jettison System TR: T.O. 1E-4B-2-28-31-00									
A21.17.7.1. Operational Fundamentals								-	-
A21.17.7.2. Operational Check of System	*							-	-
A21.17.7.3. Troubleshoot System	*							-	-
A21.17.7.4. Locate System Components	*							-	-
A21.17.7.5. Inspect System Components		*						-	-
A21.17.7.6. Remove/Install/Op Check Components									
A21.17.7.6.1. Center Wing Tank Jettison Valve Actuator								-	-
A21.17.7.6.2. Fuel Jettison Nozzle Valve Actuator								-	-
A21.17.7.6.3. Fuel Management Panel	*							-	-
A21.17.8. Fuel Pressure Indicating System TR: T.O. 1E-4B-2-28-42-00									
A21.17.8.1. Operational Fundamentals								-	-
A21.17.8.2. Operational Check of System	*							-	-
A21.17.8.3. Troubleshoot System	*							-	-
A21.17.8.4. Locate System Components	*							-	-
A21.17.8.5. Inspect System Components		*						-	-

E-4B TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Trng Start	Trng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A21.17.8.6. Remove/Install/Op Check Pressure Swit ches								-	-
A21.18. ENGINE IGNIT ION SYSTEM TR: T.O. 1E-4B-2-74-00-00									
A21.18.1. Operational Fundamentals								-	-
A21.18.2. Operational Check of System	*							-	-
A21.18.3. Troubleshoot System	*							-	-
A21.18.4. Locate System Components	*							-	-
A21.18.5. Inspect System Components		*						-	-
A21.18.6. Remove/Install/Op Check Components									
A21.18.6.1. Ignition Control Module								-	-
A21.18.6.2. Standby Ignition Module								-	-
A21.19. ENGINE CONTROL SYSTEM TR: T.O. 1E-4B-2-76-00-00									
A21.19.1. Operational Fundamentals								-	-
A21.19.2. Operational Check of System	*							-	-
A21.19.3. Troubleshoot System	*							-	-
A21.19.4. Locate System Components	*							-	-
A21.19.5. Inspect System Components		*						-	-
A21.19.6. Remove/Install/Op Check Components								-	-
A21.19.7. Remove/Install/Op Check Start Lever Assembly		*						-	-
A21.19.8. Remove/Install/Op Check Start Lever Swit ches		*						-	-
A21.20. ENGINE EXHAUST SYSTEM TR: T.O. 1E-4B-2-78-00-00									
A21.20.1. Thrust Reverser Control System TR: T.O. 1E-4B-2-78-34-00									
A21.20.1.1. Operational Fundamentals								-	-
A21.20.1.2. Operational Check of System	*							-	-
A21.20.1.3. Troubleshoot System	*							-	-
A21.20.1.4. Locate System Components	*							-	-
A21.20.1.5. Inspect System Components		*						-	-
A21.20.1.6. Remove/Install/Op Check Components									
A21.20.1.6.1. Thrust Reverser Control Switch		*						-	-
A21.20.1.6.2. Relays/Diodes Inside Thrust Reverser Relay Panel								-	-
A21.20.2. Thrust Reverser Indicating System TR: T.O. 1E-4B-2-78-36-00									
A21.20.2.1. Operational Fundamentals								-	-
A21.20.2.2. Operational Check of System	*							-	-

E-4B TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A21.20.2.3. Troubleshoot System	*							-	-
A21.20.2.4. Locate System Components	*							-	-
A21.21. ICE AND RAIN PROTECTION SYSTEM TR: T.O. 1E-4B-2-30-00-00									
A21.21.1. Wing Thermal Anit-Icing System TR: T.O. 1E-4B-2-30-11-00									
A21.21.1.1. Operational Fundamentals								-	-
A21.21.1.2. Operational Check of System	*							-	-
A21.21.1.3. Troubleshoot System	*							-	-
A21.21.1.4. Locate System Components	*							-	-
A21.21.1.5. Inspect System Components		*						-	-
A21.21.1.6. Remove/Install/Op Check Components									
A21.21.1.6.1. Wing Anti-Ice Module								-	-
A21.21.1.6.2. Wing Anti-Ice Control Switch								-	-
A21.21.1.6.3. Wing Anti-Ice Valve								-	-
A21.21.1.6.4. Wing Overheat Switches								-	-
A21.21.1.6.5. Wing Anti-Ice Duct								-	-
A21.21.2. Nacelle Thermal Anti-Icing System TR: T.O. 1E-4B-2-30-21-00									
A21.21.2.1. Operational Fundamentals								-	-
A21.21.2.2. Operational Check of System	*							-	-
A21.21.2.3. Troubleshoot System	*							-	-
A21.21.2.4. Locate System Components	*							-	-
A21.21.2.5. Inspect System Components		*						-	-
A21.21.2.6. Remove/Install/Op Check Components									
A21.21.2.6.1. Nacelle Anti-Ice Module								-	-
A21.21.2.6.2. Nacelle Anti-Ice Control Switch								-	-
A21.21.2.6.3. Nacelle Anti-Ice Control Valve								-	-
A21.21.2.6.4. Overpressure WarningSwitches								-	-
A21.21.2.6.5. Engine Nacelle Anti-Icing Duct								-	-
A21.21.3. Window Anti-Icing System TR: T.O. 1E-4B-2-30-41-00									
A21.21.3.1. Operational Fundamentals								-	-
A21.21.3.2. Operational Check of System	*							-	-
A21.21.3.3. Troubleshoot System	*							-	-
A21.21.3.4. Locate System Components	*							-	-
A21.21.3.5. Inspect System Components		*						-	-

E-4B TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A21.21.3.6. Remove/Install/Op Check Components									
A21.21.3.6.1. WindowHeat Module								-	-
A21.21.3.6.2. WindowHeat Indicator Card								-	-
A21.21.3.6.3. WindowHeat Controller								-	-
A21.21.3.6.4. Control and Overheat Thermostats								-	-
A21.21.4. Windshield Wiper System TR: T.O. 1E-4B-2-30-42-00									
A21.21.4.1. Operational Fundamentals								-	-
A21.21.4.2. Operational Check of System	*							-	-
A21.21.4.3. Troubleshoot System	*							-	-
A21.21.4.4. Locate System Components	*							-	-
A21.21.4.5. Remove/Install/Op Check WindshieldService Control Module								-	-
A21.21.5. Windshield Washer System TR: T.O. 1E-4B-2-30-44-00									
A21.21.5.1. Operational Fundamentals								-	-
A21.21.5.2. Operational Check of System	*							-	-
A21.21.5.3. Troubleshoot System	*							-	-
A21.21.5.4. Locate System Components	*							-	-
A21.21.6. Water and Toilet Drain Heater System TR: T.O. 1E-4B-2-30-71-00									
A21.21.6.1. Operational Fundamentals								-	-
A21.21.6.2. Operational Check of System	*							-	-
A21.21.6.3. Troubleshoot System	*							-	-
A21.21.6.4. Locate System Components	*							-	-
A21.21.6.5. Inspect System Components		*						-	-
A21.21.6.6. Remove/Install/Op Check Water andToilet Drain Heater Components								-	-
A21.22. PNEUMATIC SYSTEM TR: T.O. 1E-4B-2-36-00-00									
A21.22.1. Engine Bleed Air DistributionSystem TR: T.O. 1E-4B-2-36-11-00									
A21.22.1.1. Operational Fundamentals								-	-
A21.22.1.2. Operational Check of System	*							-	-
A21.22.1.3. Troubleshoot System	*							-	-
A21.22.1.4. Locate System Components	*							-	-
A21.22.1.5. Inspect System Components		*						-	-
A21.22.1.6. Apply Pneumatic Air	*							-	-

E-4B TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A21.22.1.7. Perform Duct Leakage Bleed Down Test	*							-	-
A21.22.1.8. Perform Bleed Air Duct/Component Leak Checks	*							-	-
A21.22.1.9. Remove/Install/Op Check Components									
A21.22.1.9.1. Bleed Air Ducts	*							-	-
A21.22.1.9.2. Bleed Air Duct Insulation								-	-
A21.22.1.9.3. Pressure Relief Valve								-	-
A21.22.1.9.4. Pressure Regulating Valve								-	-
A21.22.1.9.5. High Stage Bleed Air Valve								-	-
A21.22.1.9.6. Pt 5.4 Pressure Switch								-	-
A21.22.1.9.7. Pylon Bleed Air Shut off and Pressure Regulating Valve	*							-	-
A21.22.1.9.8. ADP Pressure Compensator Pneumatic Duct and Screen Assembly								-	-
A21.22.1.9.9. Wing Isolation Valve								-	-
A21.22.1.9.10. APU Check Valve								-	-
A21.22.1.9.11. APU Bleed Air Shut off Valve								-	-
A21.22.1.9.12. APU Duct Bypass Check Valve								-	-
A21.22.1.9.13. Bleed Air Ground Connection Check Valve								-	-
A21.22.1.9.14. APU Duct Pressure Relief Valve								-	-
A21.22.2. Bleed Air Precooler System TR: T.O. 1E-4B-2-36-12-00									
A21.22.2.1. Operational Fundamentals								-	-
A21.22.2.2. Operational Check of System	*							-	-
A21.22.2.3. Troubleshoot System	*							-	-
A21.22.2.4. Locate System Components	*							-	-
A21.22.2.5. Inspect System Components		*						-	-
A21.22.2.6. Remove/Install/Op Check Components									
A21.22.2.6.1. Bleed Air Precooler								-	-
A21.22.2.6.2. Bleed Air Precooler Temperature Sensor								-	-
A21.22.2.6.3. Bleed Air Precooler Cooling Air Valve/Valve Filter								-	-
A21.22.2.6.4. Bleed Air Temperature Controller								-	-
A21.22.3. Engine Bleed Air Pressure Indicating System TR: T.O. 1E-4B-2-36-21-00									
A21.22.3.1. Operational Fundamentals								-	-
A21.22.3.2. Operational Check of System	*							-	-
A21.22.3.3. Troubleshoot System	*							-	-
A21.22.3.4. Locate System Components	*							-	-
A21.22.3.5. Inspect System Components		*						-	-

E-4B TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Tag Start	Tag Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A21.22.3.6. Remove/Install/Op Check Components									
A21.22.3.6.1. Duct Pressure Transmitter								-	-
A21.22.3.6.2. Duct Pressure Indicator								-	-
A21.22.4. Engine Bleed Air Temperature Indicating System TR: T.O. 1E-4B-2-36-22-00									
A21.22.4.1. Operational Fundamentals								-	-
A21.22.4.2. Operational Check of System	*							-	-
A21.22.4.3. Troubleshoot System	*							-	-
A21.22.4.4. Locate System Components	*							-	-
A21.22.4.5. Inspect System Components		*						-	-
A21.22.4.6. Remove/Install/Op Check Bleed Air Overtemperature Switch								-	-
A21.23. AIR CONDITIONING SYSTEM TR: T.O. 1E-4B-2-21-00-00									
A21.23.1. Apply/Remove Conditioned Air	*							-	-
A21.23.2. Main Distribution Manifold TR: T.O. 1E-4B-2-21-21-00									
A21.23.2.1. Operational Fundamentals								-	-
A21.23.2.2. Locate System Components	*							-	-
A21.23.2.3. Inspect System Components		*						-	-
A21.23.2.4. Remove/Install/Op Check Components								-	-
A21.23.2.4.1. Conditioned Air Check Valve								-	-
A21.23.2.4.2. Ground Service Connector								-	-
A21.23.2.4.3. Conditioned Air Plenum Pressure Relief Valve								-	-
A21.23.3. Flight Compartment Conditioned Air Distribution TR: T.O. 1E-4B-2-21-22-00									
A21.23.3.1. Operational Fundamentals								-	-
A21.23.3.2. Locate System Components	*							-	-
A21.23.3.3. Inspect System Components		*						-	-
A21.23.3.4. Remove/Install/Op Check Components								-	-
A21.23.3.4.1. Foot and Windshield Air Outlet Valve Assembly								-	-
A21.23.3.4.2. Overhead Outlet Valve								-	-
A21.23.3.4.3. Sill Outlet								-	-
A21.23.3.4.4. Muffler								-	-
A21.23.3.4.5. Overhead Outlet Diffuser								-	-
A21.23.3.4.6. Restrictors								-	-

E-4B TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A21.23.4. Main and Upper Rest Area Compartment Conditioned Air Distribution TR: T.O. 1E-4B-2-21-23-00									
A21.23.4.1. Operational Fundamentals								-	-
A21.23.4.2. Locate System Components	*							-	-
A21.23.4.3. Inspect System Components		*						-	-
A21.23.4.4. Repair Air Conditioning System Ducts/Insulation		*						-	-
A21.23.4.5. Remove/Install/Op Check Zone Rebalance Valves								-	-
A21.23.5. Individual (Gasper) Air Distribution TR: T.O. 1E-4B-2-21-24-00									
A21.23.5.1. Operational Fundamentals								-	-
A21.23.5.2. Locate System Components	*							-	-
A21.23.5.3. Inspect System Components		*						-	-
A21.23.5.4. Remove/Install/Op Check Gasper Air Outlet Valve								-	-
A21.23.6. Recirculation System TR: T.O. 1E-4B-2-21-25-00									
A21.23.6.1. Operational Fundamentals								-	-
A21.23.6.2. Operational Check of System	*							-	-
A21.23.6.3. Troubleshoot System	*							-	-
A21.23.6.4. Locate System Components	*							-	-
A21.23.6.5. Inspect System Components		*						-	-
A21.23.6.6. Remove/Install/Op Check Components									
A21.23.6.6.1. Main Cabin Compartment Air Recirculation Fan								-	-
A21.23.6.6.2. Flight Compartment Air Recirculation Fan								-	-
A21.23.6.6.3. Recirculation System Check Valve								-	-
A21.23.6.6.4. Recirculation Fan Filter Element	*							-	-
A21.23.7. Ventilation System TR: T.O. 1E-4B-2-21-26-00									
A21.23.7.1. Operational Fundamentals								-	-
A21.23.7.2. Operational Check of System	*							-	-
A21.23.7.3. Troubleshoot System	*							-	-
A21.23.7.4. Locate System Components	*							-	-
A21.23.7.5. Inspect System Components		*						-	-
A21.23.7.6. Remove/Install/Op Check Components									
A21.23.7.6.1. Vent Shut off Valve								-	-
A21.23.7.6.2. Vent Fan								-	-
A21.23.7.6.3. Vent Check Valve								-	-

E-4B TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A21.23.7.6.4. Lavatory and Galley Vent Relay								-	-
A21.23.8. AFT Lower Lobe Compartment Conditioned Air TR: T.O. 1E-4B-2-21-27-00									
A21.23.8.1. Operational Fundamentals								-	-
A21.23.9. Pressurization Control System TR: T.O. 1E-4B-2-21-31-00									
A21.23.9.1. Operational Fundamentals								-	-
A21.23.9.2. Operational Check of System(Electrical)	*							-	-
A21.23.9.3. Troubleshoot System	*							-	-
A21.23.9.4. Locate System Components	*							-	-
A21.23.9.5. Inspect System Components		*						-	-
A21.23.9.6. Perform Aircraft Pressurization (also use 1E-4B-2-5 for cabin leakage test)		*						-	-
A21.23.9.7. Remove/Install/Op Check Components									
A21.23.9.7.1. Pressurization Outflow Valve								-	-
A21.23.9.7.2. Pressurization Outflow Valve AC Motor								-	-
A21.23.9.7.3. Pressurization Outflow Valve DC Motor								-	-
A21.23.9.7.4. Pressurization Outflow Valve Actuator Assembly								-	-
A21.23.9.7.5. Pressurization Outflow Valve Flapper Doors								-	-
A21.23.9.7.6. Cabin Pressure Controller		*						-	-
A21.23.9.7.7. Cabin Pressure Selector Panel		*						-	-
A21.23.9.7.8. Left/Right Outflow Valve Auto/Manual Relays								-	-
A.21.23.10. Pressurization Relief Valve System TR: T.O. 1E-4B-2-21-32-00									
A21.23.10.1. Operational Fundamentals								-	-
A21.23.10.2. Locate System Components	*							-	-
A21.23.10.3. Remove/Install/Op Check Components								-	-
A21.23.10.4. Pressure Relief Valves								-	-
A21.23.10.5. Pressure Relief Valve Filter								-	-
A21.23.11. Pressurization Indication and Warning System TR: T.O. 1E-4B-2-21-33-00									
A21.23.11.1. Operational Fundamentals								-	-
A21.23.11.2. Operational Check of System	*							-	-
A21.23.11.3. Troubleshoot System	*							-	-
A21.23.11.4. Locate System Components	*							-	-
A21.23.11.5. Inspect System Components		*						-	-
A21.23.11.6. Remove/Install/Op Check Components									

E-4B TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A21.23.11.6.1. Cabin Altimeter								-	-
A21.23.11.6.2. Cabin Altitude Warning Switch								-	-
A21.23.11.6.3. Cabin Vertical Speed Indicator								-	-
A21.23.11.6.4. Differential Pressure Indicator								-	-
A21.23.12. Upper Deck Passenger Compartment Heating/Supplemental Heat System TR: T.O. 1E-4B-2-21-46-00									
A21.23.12.1. Operational Fundamentals								-	-
A21.23.12.2. Operational Check of System	*							-	-
A21.23.12.3. Troubleshoot System	*							-	-
A21.23.12.4. Locate System Components	*							-	-
A21.23.12.5. Inspect System Components		*						-	-
A21.23.12.6. Remove/Install/Op Check Components									
A21.23.12.6.1. Heater								-	-
A21.23.12.6.2. Temperature Sensor								-	-
A21.23.12.6.3. Recirculating Heater Fan								-	-
A21.23.12.6.4. Temperature Controller								-	-
A21.23.12.6.5. Temperature Selector Panel/Switch								-	-
A21.23.12.6.6. Duct Temperature Anticipator								-	-
A21.23.12.6.7. Upper Deck Area Temperature Sensor Element								-	-
A21.23.13. Air Cycle Pack System TR: T.O. 1E-4B-2-21-51-00									
A21.23.13.1. Operational Fundamentals								-	-
A21.23.13.2. Operational Check of System	*							-	-
A21.23.13.3. Troubleshoot System	*							-	-
A21.23.13.4. Locate System Components	*							-	-
A21.23.13.5. Inspect System Components		*						-	-
A21.23.13.6. Leak Check Heat Exchangers	*							-	-
A21.23.13.7. Remove/Install/Op Check Components									
A21.23.13.7.1. Flow Control and Shut off Valve/Valve Filters	*							-	-
A21.23.13.7.2. Heat Exchangers	*							-	-
A21.23.13.7.3. Air Cycle Machine (ACM)	*							-	-
A21.23.13.7.4. ACM Oil Servicing	*							-	-
A21.23.13.7.5. Water Separator/Coalescer	*							-	-
A21.23.13.7.6. Compressor Bypass Check Valve								-	-
A21.23.13.7.7. Fan Diffuser and Inlet Housing								-	-
A21.23.13.7.8. Pack Discharge Overheat Switch								-	-

E-4B TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A21.23.13.7.9. Compressor Discharge Overheat Switch								-	-
A21.23.13.7.10. Water Aspirator								-	-
A21.23.13.7.11. Ram Air Ducts								-	-
A21.23.13.7.12. Cooling Air Check Valve								-	-
A21.23.13.7.13. Ram Air System Screen								-	-
A21.23.14. Air Cycle Pack Temperature Indication System TR: T.O. 1E-4B-2-21-52-00									
A21.23.14.1. Operational Fundamentals								-	-
A21.23.14.2. Operational Check of System	*							-	-
A21.23.14.3. Troubleshoot System	*							-	-
A21.23.14.4. Locate System Components	*							-	-
A21.23.14.5. Inspect System Components		*						-	-
A21.23.14.6. Remove/Install/Op Check Components									
A21.23.14.6.1. Compressor Discharge Temperature Bulb								-	-
A21.23.14.6.2. ACM Outlet Temperature Bulb								-	-
A21.23.15. Air Cycle Machine Mass Airflow Indication System TR: T.O. 1E-4B-2-21-53-00									
A21.23.15.1. Operational Fundamentals								-	-
A21.23.15.2. Operational Check of System	*							-	-
A21.23.15.3. Troubleshoot System	*							-	-
A21.23.15.4. Locate System Components	*							-	-
A21.23.15.5. Inspect System Components		*						-	-
A21.23.15.6. Remove/Install/Op Check Components									
A21.23.15.6.1. Signal Conditioner								-	-
A21.23.15.6.2. Airflow Sensor								-	-
A21.23.16. Liquid Cooling System TR: T.O. 1E-4B-2-21-57-20									
A21.23.16.1. Operational Fundamentals								-	-
A21.23.16.2. Operational Check of System	*							-	-
A21.23.16.3. Troubleshoot System	*							-	-
A21.23.16.4. Locate System Components	*							-	-
A21.23.16.5. Inspect System Components		*						-	-
A21.23.16.6. Perform System Drain/Flush/Fill		*						-	-
A21.23.16.7. LCS System Servicing	*							-	-
A21.23.16.8. Remove/Install/Op Check Components									
A21.23.16.8.1. Centrifugal Pump Check Valves								-	-
A21.23.16.8.2. Centrifugal Pumps								-	-

E-4B TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A21.23.16.8.3. Expansion Tank Components								-	-
A21.23.16.8.4. Expansion Tank								-	-
A21.23.16.8.5. Temperature Regulating Valve								-	-
A21.23.16.8.6. Amplifier Low Flow Switch								-	-
A21.23.16.8.7. Repurification Unit Low Flow Switch								-	-
A21.23.16.8.8. Ground Cooler								-	-
A21.23.16.8.9. Flight Cooler Gate Valves								-	-
A21.23.16.8.10. Ground Cooler Gate Valve								-	-
A21.23.16.8.11. Amplifier Gate Valves								-	-
A21.23.16.8.12. LCS Control Panels								-	-
A21.23.16.8.13. Nitrogen Bottle								-	-
A21.23.16.8.14. Nitrogen Regulator								-	-
A21.23.16.8.15. Resistivity Cells								-	-
A21.23.16.8.16. Demineralizer/Particulate Filters	*							-	-
A21.23.16.8.17. LCS System Hose Couplings								-	-
A21.23.16.8.18. Circulation Pump Pressure Switches								-	-
A21.23.17. Isolated Equipment Cooling (1200KVA) System TR: T.O. 1E-4B-2-21-57-40									
A21.23.17.1. Operational Fundamentals								-	-
A21.23.17.2. Operational Check of System	*							-	-
A21.23.17.3. Troubleshoot System	*							-	-
A21.23.17.4. Locate System Components	*							-	-
A21.23.17.5. Inspect System Components		*						-	-
A21.23.17.6. Remove/Install/Op Check Components									
A21.23.17.6.1. 1200 KVA System Blowers								-	-
A21.23.17.6.2. 1200 KVA System Bypass Valves								-	-
A21.23.18. C3 Forward Lobe Equipment Cooling System TR: T.O. 1E-4B-2-21-57-50									
A21.23.18.1. Operational Fundamentals								-	-
A21.23.18.2. Operational Check of System	*							-	-
A21.23.18.3. Troubleshoot System	*							-	-
A21.23.18.4. Locate System Components	*							-	-
A21.23.18.5. Inspect System Components		*						-	-
A21.23.18.6. Remove/Install/Op Check Components									
A21.23.18.6.1. Ground Valves								-	-
A21.23.18.6.2. Flight Valves								-	-
A21.23.18.6.3. 10.3 Valve Cam Operated Switch		*						-	-

E-4B TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A21.23.18.6.4. 10.3 Valve Linear Actuator								-	-
A21.23.18.6.5. Rack Balance Valves	*							-	-
A21.23.18.6.6. Exhaust Blowers	*							-	-
A21.23.18.6.7. Exhaust Blower High and Low Speed Relays	*							-	-
A21.23.18.6.8. Plenum Pressure Relief Valve								-	-
A21.23.18.6.9. Ground Safety Valve Backup Door								-	-
A21.23.18.6.10. Flow Sensor								-	-
A21.23.18.6.11. Forward Outflow System Control Panel								-	-
A21.23.18.6.12. Forward Outflow System Controllers	*							-	-
A21.23.18.6.13. Forward Outflow System Relay Boxes								-	-
A21.23.19. C3 Aft Lobe Equipment Cooling System TR: T.O.1E-4B-2-21-57-70									
A21.23.19.1. Operational Fundamentals								-	-
A21.23.19.2. Operational Check of System	*							-	-
A21.23.19.3. Troubleshoot System	*							-	-
A21.23.19.4. Locate System Components	*							-	-
A21.23.19.5. Inspect System Components		*						-	-
A21.23.19.6. Remove/Install/Op Check Components									
A21.23.19.6.1. Aft Lobe Forced Air Control Valve								-	-
A21.23.19.6.2. Heaters/Heater Control Unit/EMI Filters								-	-
A21.23.19.6.3. Exhaust Blowers	*							-	-
A21.23.19.6.4. Rack Balance Valves	*							-	-
A21.23.19.6.5. Aft Lobe Equipment Cooling Airflow Sensors								-	-
A21.23.19.6.6. Aft Lobe Equipment Cooling Signal Conditioners								-	-
A21.23.19.6.7. Aft Lobe Equipment Cooling Temperature Bulbs								-	-
A21.23.19.6.8. Aft Lobe Exhaust Blower Airflow Sensor								-	-
A21.23.20. C3 Short Wire Antenna Cooling System TR: T.O. 1E-4B-2-21-57-90									
A21.23.20.1. Operational Fundamentals								-	-
A21.23.20.2. Operational Check of System	*							-	-
A21.23.20.3. Troubleshoot System	*							-	-
A21.23.20.4. Locate System Components	*							-	-
A21.23.20.5. Inspect System Components		*						-	-
A21.23.20.6. Remove/Install/Op Check Components									
A21.23.20.6.1. VLF Antenna Cooling Fan								-	-
A21.23.20.6.2. VLF Antenna Cooling Shut off Valve								-	-
A21.23.20.6.3. VLF Antenna Cooling Outflow Valve								-	-

E-4B TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A21.23.20.6.4. VLF Antenna Cooling Air Flow Switch								-	-
A21.23.21. C3 Main Deck Equipment Cooling System TR: T.O. 1E-4B-2-21-57-100									
A21.23.21.1. Operational Fundamentals								-	-
A21.23.21.2. Operational Check of System	*							-	-
A21.23.21.3. Troubleshoot System	*							-	-
A21.23.21.4. Locate System Components	*							-	-
A21.23.21.5. Inspect System Components		*						-	-
A21.23.21.6. Remove/Install/Op Check Components									
A21.23.21.6.1. C3 Main Deck Equipment Cooling Blowers	*							-	-
A21.23.21.6.2. C3 Main Deck Equipment Cooling Balance Valves	*							-	-
A21.23.21.6.3. C3 Main Deck Equipment Cooling Exhaust Duct Smoke Detectors								-	-
A21.23.21.6.4. Rack 8.13 Smoke Detector Blower								-	-
A21.23.21.6.5. Rack 8.13 Smoke Detector Blower Pressure Switch								-	-
A21.23.21.6.6. C3 Main Deck Equipment Cooling Airflow Switch								-	-
A21.23.21.6.7. C3 Main Deck Equipment Cooling Plenum Screen								-	-
A21.23.22. C3 Radio Operator's Console Cooling System TR: T.O. 1E-4B-2-21-57-110									
A21.23.22.1. Operational Fundamentals								-	-
A21.23.22.2. Operational Check of System	*							-	-
A21.23.22.3. Troubleshoot System	*							-	-
A21.23.22.4. Locate System Components	*							-	-
A21.23.22.5. Inspect System Components		*						-	-
A21.23.22.6. Remove/Install/Op Check Components									
A21.23.22.6.1. C3 Radio Operators Console Equipment Cooling Thermal Switches								-	-
A21.23.22.6.2. C3 Radio Operators Console Equipment Cooling Control Panel								-	-
A21.23.23. Milstar 1.30 Equipment Rack Cooling System TR: T.O. 1E-4B-2-21-57-115									
A21.23.23.1. Operational Fundamentals								-	-
A21.23.23.2. Operational Check of System	*							-	-
A21.23.23.3. Troubleshoot System	*							-	-
A21.23.23.4. Locate System Components	*							-	-
A21.23.23.5. Inspect System Components		*						-	-
A21.23.23.6. Remove/Install/Op Check Milstar Rack Exhaust Fan								-	-

E-4B TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A21.23.24. SHF Waveguide Air Cooling System TR: T.O. 1E-4B-2-21-57-120									
A21.23.24.1. Operational Fundamentals								-	-
A21.23.24.2. Operational Check of System	*							-	-
A21.23.24.3. Troubleshoot System	*							-	-
A21.23.24.4. Locate System Components	*							-	-
A21.23.24.5. Inspect System Components		*						-	-
A21.23.24.6. Remove/Install/Op Check Components									
A21.23.24.6.1. SHF SAT COM Waveguide Cooling Fans								-	-
A21.23.24.6.2. SHF SAT COM Waveguide Cooling Fan Pressure Switches								-	-
A21.23.24.6.3. SHF Waveguide Cooling Relay Box								-	-
A21.23.25. SHF Antenna Air Cooling System TR: T.O. 1E-4B-2-21-57-130									
A21.23.25.1. Operational Fundamentals								-	-
A21.23.25.2. Operational Check of System	*							-	-
A21.23.25.3. Troubleshoot System	*							-	-
A21.23.25.4. Locate System Components	*							-	-
A21.23.25.5. Inspect System Components		*						-	-
A21.23.25.6. Remove/Install/Op Check Components									
A21.23.25.6.1. SHF SAT COM Antenna Cooling Fan Unit								-	-
A21.23.25.6.2. Radome Exhaust Valve								-	-
A21.23.25.6.3. SHF SAT COM Antenna Cooling System Shutoff Valve								-	-
A21.23.25.6.4. SHF SAT COM Cooling System Low Noise Amplifier Blower Assembly								-	-
A21.23.26. C3 Equipment Overtemperature System TR: T.O. 1E-4B-2-21-57-140									
A21.23.26.1. Operational Fundamentals								-	-
A21.23.26.2. Operational Check of System	*							-	-
A21.23.26.3. Troubleshoot System	*							-	-
A21.23.26.4. Locate System Components	*							-	-
A21.23.26.5. Inspect System Components		*						-	-
A21.23.26.6. Remove/Install/Op Check Overtemperature Switches								-	-
A21.23.27. Rack-Mounted Equipment Cooling System TR: T.O. 1E-4B-2-21-58-00									
A21.23.27.1. Operational Fundamentals								-	-
A21.23.27.2. Operational Check of System	*							-	-
A21.23.27.3. Troubleshoot System	*							-	-

E-4B TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A21.23.27.4. Locate System Components	*							-	-
A21.23.27.5. Inspect System Components		*						-	-
A21.23.27.6. Remove/Install/Op Check Components									
A21.23.27.6.1. Equipment Cooling Blowers								-	-
A21.23.27.6.2. Equipment Cooling Airflow Detector								-	-
A21.23.27.6.3. Equipment Cooling Blower Check Valve								-	-
A21.23.27.6.4. Flow Control Valve								-	-
A21.23.27.6.5. Forward Cargo Compartment Shut off Valve								-	-
A21.23.27.6.6. Equipment Cooling Smoke Detector								-	-
A21.23.27.6.7. Equipment Cooling Module								-	-
A21.23.27.6.8. Equipment Cooling Smoke Detector Amplifier								-	-
A21.23.27.6.9. Upper Deck Overboard Dump Valve								-	-
A21.23.27.6.10. Equipment Cooling System Relays								-	-
A21.23.28. Primary Zone Temperature Control System TR: T.O. 1E-4B-2-21-61-00									
A21.23.28.1. Operational Fundamentals								-	-
A21.23.28.2. Operational Check of System	*							-	-
A21.23.28.3. Troubleshoot System	*							-	-
A21.23.28.4. Locate System Components	*							-	-
A21.23.28.5. Inspect System Components		*						-	-
A21.23.28.6. Remove/Install/Op Check Components									
A21.23.28.6.1. Zone Temperature Controllers								-	-
A21.23.28.6.2. Zone Temperature Selectors								-	-
A21.23.28.6.3. Zone Temperature Sensors/Filter Assembly								-	-
A21.23.28.6.4. Zone Duct Overtemperature Switches								-	-
A21.23.28.6.5. Trim Air Supply Valve								-	-
A21.23.28.6.6. Trim Air Modulating Valves								-	-
A21.23.28.6.7. Zone Duct Temperature Sensors								-	-
A21.23.28.6.8. Trim Air Sidewall Riser Duct Assembly								-	-
A21.23.29. Secondary Temperature Control System TR: T.O. 1E-4B-2-21-62-00									
A21.23.29.1. Operational Fundamentals								-	-
A21.23.29.2. Operational Check of System	*							-	-
A21.23.29.3. Troubleshoot System	*							-	-
A21.23.29.4. Locate System Components	*							-	-
A21.23.29.5. Inspect System Components		*						-	-
A21.23.29.6. Remove/Install/Op Check Components									

E-4B TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A21.23.29.6.1. ACM Turbine Bypass Valves	*							-	-
A21.23.29.6.2. Ram Air Inlet Door Actuators								-	-
A21.23.29.6.3. Ram Air Exit Door Actuators								-	-
A21.23.29.6.4. Pack Temperature Controllers								-	-
A21.23.29.6.5. Pack Discharge Temperature Sensors								-	-
A21.23.29.6.6. Pack Auto/Manual Switches and Manual Temperature Control Switch								-	-
A21.23.29.6.7. Auto/Manual Relays								-	-
A21.23.29.6.8. Ram Air Exit Door Limit Switches								-	-
A21.23.29.6.9. Pack Temperature Control Panel								-	-
A21.23.30. Temperature Control Test System TR: T.O. 1E-4B-2-21-63-00									
A21.23.30.1. Operational Fundamentals								-	-
A21.23.30.2. Operational Check of System	*							-	-
A21.23.30.3. Troubleshoot System	*							-	-
A21.23.30.4. Locate System Components	*							-	-
A21.23.30.5. Inspect System Components		*						-	-
A21.23.30.6. Remove/Install System Test Module								-	-
A21.23.31. Valve Position Indication System TR: T.O. 1E-4B-2-21-64-00									
A21.23.31.1. Operational Fundamentals								-	-
A21.23.31.2. Operational Check of System	*							-	-
A21.23.31.3. Troubleshoot System	*							-	-
A21.23.31.4. Locate System Components	*							-	-
A21.23.31.5. Inspect System Components		*						-	-
A21.23.31.6. Remove/Install/Op Check Components									
A21.23.31.6.1. Turbine Bypass Valve Position Indicator								-	-
A21.23.31.6.2. Pack Valve Position Indication Relays								-	-
A21.23.32. Primary Zone Temperature Indicating System TR: T.O. 1E-4B-2-21-65-00									
A21.23.32.1. Operational Fundamentals								-	-
A21.23.32.2. Operational Check of System	*							-	-
A21.23.32.3. Troubleshoot System	*							-	-
A21.23.32.4. Locate System Components	*							-	-
A21.23.32.5. Inspect System Components		*						-	-
A21.23.32.6. Remove/Install/Op Check Components									
A21.23.32.6.1. Zone Supply Duct Temperature Bulb								-	-

E-4B TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A21.23.32.6.2. Zone Temperature Indicator								-	-
A21.24. OXYGEN SYSTEM TR: T.O. 1E-4B-2-35-00-00 & 15X-1-1									
A21.24.1. Adjust LOX Quantity/Pressure Indicators	*							-	-
A21.24.2. Clean Aircraft Oxygen System Components	*							-	-
A21.24.3. Perform LOX System Purge	*							-	-
A21.24.4. Perform Oxygen Regulator Field Tests Using PBG Oxygen Regulator Field Tester 3300223-6002	*							-	-
A21.24.5. Service/Drain Liquid Oxygen Converters	*							-	-
A21.24.6. Flight Crew and Special Mission Crew System TR: T.O. 1E-4B-2-35-10-00									
A21.24.6.1. Operational Fundamentals								-	-
A21.24.6.2. Operational Check of System	*							-	-
A21.24.6.3. Troubleshoot System	*							-	-
A21.24.6.4. Locate System Components	*							-	-
A21.24.6.5. Inspect System Components		*						-	-
A21.24.6.6. Remove/Install/Op Check Components									
A21.24.6.6.1. Oxygen Converters	*							-	-
A21.24.6.6.2. Combination Filler/Build-Up/Vent Valves	*							-	-
A21.24.6.6.3. Drain Valves								-	-
A21.24.6.6.4. Regulators	*							-	-
A21.24.6.6.5. Heat Exchangers								-	-
A21.24.6.6.6. Solenoids								-	-
A21.24.6.6.7. Manual Shut off Valves								-	-
A21.24.6.6.8. LOX Pressure Monitor Panel/Pressure Indicators								-	-
A21.24.6.6.9. LOX Quantity Indicator Panel/Quantity Indicators								-	-
A21.24.6.6.10. LOX Pressure Amplifier								-	-
A21.24.6.6.11. Manual Interconnect Valve								-	-
A21.24.7. Portable Oxygen System TR: T.O. 1E-4B-2-35-30-00									
A21.24.7.1. Operational Fundamentals								-	-
A21.24.7.2. Operational Check of System	*							-	-
A21.24.7.3. Troubleshoot System	*							-	-
A21.24.7.4. Locate System Components	*							-	-
A21.24.7.5. Inspect System Components		*						-	-
A21.24.7.6. Remove/Install/Op Check Recharger Assemblies								-	-

E-4B TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A21.25. EQUIPMENT/FURNISHINGS SYSTEM TR: T.O. 1E-4B-2-25-00-00									
A21.25.1. Galley System TR: T.O. 1E-4B-2-25-31-00									
A21.25.1.1. Operational Fundamentals								-	-
A21.25.1.2. Operational Check of System	*							-	-
A21.25.1.3. Troubleshoot System	*							-	-
A21.25.1.4. Locate System Components	*							-	-
A21.25.1.5. Inspect System Components		*						-	-
A21.25.1.6. Remove/Install/Op Check Components									
A21.25.1.6.1. Ovens								-	-
A21.25.1.6.2. Refrigerator/Freezer Cavities	*							-	-
A21.25.1.6.3. Service Condensing Unit Compressor Oil	*							-	-
A21.25.1.6.4. Recover/Vacuum/Service Condensing Unit Freon	*							-	-
A21.25.1.6.5. Compressor Equipment Access Door Filter								-	-
A21.25.1.6.6. Microwave Oven								-	-
A21.25.1.6.7. Condensing Units	*							-	-
A21.25.1.6.8. Condensing Unit High/Low Side Filters								-	-
A21.25.1.7. Clean Condensing Unit Heat Exchangers								-	-
A21.26. HYDRAULIC POWER SYSTEM TR: T.O. 1E-4B-2-29-00-00									
A21.26.1. Pressurize Hydraulic System Using Air Driven Pump and APU/Pneumatic Ground Cart	*							-	-
A21.26.2. Air Driven Pumps (ADP) System TR: T.O. 1E-4B-2-29-11-00									
A21.26.2.1. Operational Fundamentals								-	-
A21.26.2.2. Operational Check of System	*							-	-
A21.26.2.3. Troubleshoot System	*							-	-
A21.26.2.4. Locate System Components	*							-	-
A21.26.2.5. Inspect System Components		*						-	-
A21.26.2.6. Perform Reset of Overspeed Trip Valves								-	-
A21.26.2.7. Remove/Install/Op Check Components									
A21.26.2.7.1. Air Driven Pump Turbine Drives	*							-	-
A21.26.2.7.2. Air Drive Pump Turbine Drive Oil Servicing	*							-	-
A21.26.2.7.3. Shutoff and Speed Control Valve Units								-	-
A21.26.2.7.4. Time Delay Relays								-	-
A21.26.2.7.5. ADP Control Pressure Switches								-	-

E-4B TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A21.26.2.7.6. Pneumatic Solenoid/Solenoid Valve Packs								-	-
A21.26.2.7.7. Turbine Drive Oil Filters								-	-
A21.26.2.7.8. Turbine Drive Air Filter/Water Separators								-	-
A21.26.2.7.9. Acceleration Control Units								-	-
A21.26.2.7.10. Turbine Drive Shut off Valve Position Switch								-	-
A21.26.2.7.11. Hydraulic Control Module								-	-
A21.27. WATER AND WASTE SYSTEM TR: T.O. 1E-4B-2-38-00-00									
A21.27.1. Water Tank Pressurization System TR: T.O. 1E-4B-2-38-15-00									
A21.27.1.1. Operational Fundamentals								-	-
A21.27.1.2. Operational Check of System	*							-	-
A21.27.1.3. Troubleshoot System	*							-	-
A21.27.1.4. Locate System Components	*							-	-
A21.27.1.5. Inspect System Components		*						-	-
A21.27.1.6. Remove/Install/Op Check Components									
A21.27.1.6.1. Compressor Interlock Switch								-	-
A21.27.1.6.2. Pressure Switch								-	-
A21.27.1.6.3. Compressor Relay								-	-
A21.27.2. Toilet System TR: T.O. 1E-4B-2-38-32-00									
A21.27.2.1. Operational Fundamentals								-	-
A21.27.2.2. Operational Check of System	*							-	-
A21.27.2.3. Troubleshoot System	*							-	-
A21.27.2.4. Locate System Components	*							-	-
A21.27.2.5. Inspect System Components		*						-	-
A21.27.2.6. Remove/Install/Op Check Toilet Flush Timer								-	-
A21.28. AUXILARY POWER UNIT TR: T.O. 1E-4B-2-49-00-00									
A21.28.1. Operate APU								-	-
A21.28.2. APU Air Inlet System TR: T.O. 1E-4B-2-49-15-00									
A21.28.2.1. Operational Fundamentals								-	-
A21.28.2.2. Troubleshoot System	*							-	-
A21.28.3. APU Engine Fuel Feed System TR: T.O. 1E-4B-2-49-31-00									
A21.28.3.1. Operational Fundamentals								-	-
A21.28.3.2. Troubleshoot System	*							-	-

E-4B TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A21.28.4. APU Start and Ignition System TR: T.O. 1E-4B-2-49-41-00									
A21.28.4.1. Operational Fundamentals								-	-
A21.28.4.2. Troubleshoot System	*							-	-
A21.28.5. APU Bleed Air System TR: T.O. 1E-4B-2-49-52-00									
A21.28.5.1. Operational Fundamentals								-	-
A21.28.5.2. Operational Check of System	*							-	-
A21.28.5.3. Troubleshoot System	*							-	-
A21.28.5.4. Locate System Components	*							-	-
A21.28.5.5. Inspect System Components		*						-	-
A21.28.5.6. Remove/Install/Op Check Thermal Swit ches								-	-
A21.28.6. APU Inlet Anti-Icing System TR: T.O. 1E-4B-2-49-54-00									
A21.28.6.1. Operational Fundamentals								-	-
A21.28.6.2. Operational Check of System	*							-	-
A21.28.6.3. Troubleshoot System	*							-	-
A21.28.6.4. Locate System Components	*							-	-
A21.28.6.5. Inspect System Components		*						-	-
A21.28.6.6. Remove/Install/Op Check Components									
A21.28.6.6.1. APU Anti-Ice Valve		*						-	-
A21.28.6.6.2. APU Anti-Ice Switch								-	-
A21.28.6.6.3. APU Inlet Air Anti-Ice Distribution Duct Couplings		*						-	-
A21.28.6.6.4. APU Air Inlet Anti-Ice Spray Tubes								-	-
A21.28.7. APU Control System TR: T.O. 1E-4B-2-49-61-00									
A21.28.7.1. Operational Fundamentals								-	-
A21.28.7.2. Troubleshoot System	*							-	-
A21.29. NUCLEAR HARDNESS COMPONENTS AND DEVICES TR: T.O. 1E-4B-2-44-00-00									
A21.29.1. Operational Fundamentals								-	-
A21.29.2. Troubleshoot Systems	*							-	-
A21.29.3. Locate System Components	*							-	-
A21.29.4. Inspect System Components		*						-	-
A21.29.5. Remove/Install/Op Check Filter Box Assemblies	*							-	-
A21.29.6. Remove/Install/Op Check Internal Filters	*							-	-
A21.29.7. Perform Electrical Bonding Checks of Nuclear Hardening Components	*							-	-

KC-46 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
ATTACHMENT 22									
NOTE 1: In addition to attachment 2, the tasks and knowledge in attachment 21 will be performed by personnel assigned to maintain E-4B aircraft.									
NOTE 2: Users are responsible for annotating training references to identify current references pending STS revision.									
NOTE 3: Address comments and recommended changes through Unit Training Managers to the MAJCOM Maintenance Training Manager @ HQ AMC/ A4MMT, 402 Scott Drive Unit 2A2, Scott AFB, IL 62225-5308; or call DSN 779-4787. MAJCOM Training and Functional Managers forward inputs to the AETC Training Manager, DSN 736-6297.									
A22.1. GENERAL ORGANIZATIONAL MAINTENANCE TR: AMM I, AMM II, AND LSM									
A22.1.1. Flight-line safety precautions/security								-	-
A22.1.2. Major structural areas								-	-
A22.1.3. Aircraft danger areas								-	-
A22.1.4. Aircraft commercial manuals familiarization(PMA)								-	-
A22.1.5. FOD prevention/DOPP programs								-	-
A22.1.6. Operate air stairs								-	-
A22.1.7. General Maintenance Tasks TR: TO 1KC-46-A-52-00									
A22.1.7.1. Entry and Cargo Compartment Doors Access Doors and Panels								-	-
A22.1.7.2. Open/Close Entry/Service Door Externally								-	-
A22.1.7.3. Open/Close Entry/Service Door Internally								-	-
A22.1.7.4. Open/Close Crew Entry Door Internally								-	-
A22.1.7.5. Open/Close Forward Cargo Door Manually								-	-
A22.1.7.6. Open/Close Forward Cargo Door Electrically								-	-
A22.1.7.7. Open/Close Main Deck Cargo Door Electrically								-	-
A22.1.7.8. Open/Close Main Deck Cargo Door Manually								-	-
A22.1.7.9. Open/Close Fan Cowl Panel								-	-
A22.1.7.10. Open/Close Core Cowl Panel								-	-
A22.1.7.11. Open/Close Duct Cowl Panel								-	-
A22.1.8. Navigate Large Display Unit TR: TO 1KC-46-A-31-64									
A22.1.8.1. Speech Communications System								-	-
A22.1.8.2. Ground Crew Call System								-	-
A22.1.8.3. Flight Interphone								-	-
A22.1.8.4. Maintenance Data Page or a LRU/System Data								-	-
A22.1.8.5. Alert Messages								-	-
A22.1.8.6. Status Page and Status Messages								-	-
A22.1.8.7. View or Erase Latched Status Message								-	-
A22.1.8.8. System Synoptic Page								-	-
A22.1.8.9. Maintenance Data Record								-	-

KC-46 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A22.1.8.10. Perform Operational Test									
A22.1.8.10.1. Start a LRU/System Test								-	-
A22.1.8.10.2.. LRU/System								-	-
A22.1.8.10.3. LRU/System Rigging Test								-	-
A22.2. AC POWER SYSTEM TR: T.O. 1KC46-A-24-20-00									
A22.2.1. Operational Fundamentals								-	-
A22.2.2. Perform Operational Checks									
A22.2.2.1. BPCU BITE Ground Tests								-	-
A22.2.2.2. APU Generator Operational Test								-	-
A22.2.2.3. APU generator system structure test								-	-
A22.2.2.4. Hydraulic generator operational test								-	-
A22.2.2.5. Aux sensing current transformer operational test								-	-
A22.2.2.6. Hydraulic motor generator operational test								-	-
A22.2.2.7. DC generation adjustment/test								-	-
A22.2.2.8. Generating and control system series								-	-
A22.2.3. Troubleshoot AC power system								-	-
A22.2.4. Inspect system components								-	-
A22.2.5. Remove/Install Components									
A22.2.5.1. Electrical light transmitting indicating panel								-	-
A22.2.5.2. Electrical system control panel								-	-
A22.2.5.3. Generator control unit								-	-
A22.2.5.4. Generator bus tie & aux power breaker								-	-
A22.2.5.5. Hydraulic motor generator control unit								-	-
A22.2.5.6. Integrated drive generator (IDG)								-	-
A22.3. DC POWER SYSTEM TR: T.O. 1KC46-A-24-30-00									
A22.3.1. Operational Fundamentals								-	-
A22.3.2. Perform Operational Checks									
A22.3.2.1. DC Tie Control Unit								-	-
A22.3.2.2. Daily Standby Power Operational								-	-
A22.3.2.3. Power and control system								-	-
A22.3.2.4. Batteries system								-	-
A22.3.2.5. Instrument power system								-	-
A22.3.2.6. Electrical outlet system								-	-
A22.3.2.7. Emergency power system								-	-
A22.3.3. Troubleshoot DC power system								-	-
A22.3.4. Inspect system components								-	-

KC-46 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A22.3.5. Remove/Install Components									
A22.3.5.1. APU battery								-	-
A22.3.5.2. Main battery								-	-
A22.3.5.3. Transformer rectifier								-	-
A22.3.5.4. Battery charger								-	-
A22.3.5.5. Electrical outlet panel assembly								-	-
A22.3.5.6. Electrical outlet power receptacle								-	-
A22.3.5.7. Static inverter								-	-
A22.3.5.8. Electrical grounding receptacle connectors								-	-
A22.3.6. Repair components								-	-
A22.3.7. Connect/disconnect main battery								-	-
A22.4. EXTERNAL POWER SYSTEM TR: T.O. 1KC46-A-24-41-0000									
A22.4.1. Operational Fundamentals								-	-
A22.4.2. Perform Operational Checks									
A22.4.2.1. External Power System Operational Test								-	-
A22.4.3. Troubleshoot system								-	-
A22.4.4. Inspect system components								-	-
A22.5. STANDBY POWER SYSTEM TR: T.O. 1KC46-A-24-41-0000									
A22.5.1. Operational Fundamentals								-	-
A22.5.2. Perform Operational Check								-	-
A22.5.3. Troubleshoot system								-	-
A22.5.4. Inspect system components								-	-
A22.6. LIGHTING SYSTEM TR: T.O. 1KC46-A-33-00-0000									
A22.6.1. Operational Fundamentals								-	-
A22.6.2. Perform Operational Checks									
A22.6.2.1. Interior								-	-
A22.6.2.2. Exterior								-	-
A22.6.2.3. Emergency								-	-
A22.6.3. Troubleshoot Lighting System								-	-
A22.6.4. Inspect system components								-	-
A22.6.5. Remove/Install Components									
A22.6.5.1. Instrument/Transmitting/Indicating panels								-	-
A22.6.5.2. Dimmer control unit								-	-
A22.6.5.3. Pilot, copilot, and pedestal light transmitting panels								-	-
A22.6.5.4. Stairway light transmitting indicating panel								-	-

KC-46 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Tag Start	Tag Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A22.6.5.5. Personnel warning light transmitting indicating panel								-	-
A22.6.5.6. Aeromedical light transmitting indicating panel								-	-
A22.6.5.7. External power panel light assembly								-	-
A22.6.5.8. Interior lighting control panel								-	-
A22.6.5.9. Pilot director lights								-	-
A22.6.5.10. Anti-collision light power supply								-	-
A22.6.5.11. Boom marker lights								-	-
A22.6.5.12. ARR perimeter illuminating panel								-	-
A22.6.5.13. Emergency battery								-	-
A22.6.5.14. Slipway lamp assembly								-	-
A22.6.6. Repair components								-	-
A22.7. LANDING GEAR SYSTEM TR: T.O. 1KC46-A-32-00									
A22.7.1. Operational Fundamentals								-	-
A22.7.2. Perform Operational Checks									
A22.7.2.1. MLG normal system								-	-
A22.7.2.2. NLG normal system								-	-
A22.7.2.3. Air/Ground relay system								-	-
A22.7.2.4. Gear handle electrical interlock system								-	-
A22.7.3. Troubleshoot landing gear system								-	-
A22.7.4. Inspect system components								-	-
A22.7.5. Remove/Install Components									
A22.7.5.1. Weight-on-wheels (WOW) proximity sensor								-	-
A22.7.5.2. LG control/indication panel								-	-
A22.7.5.3. Main landing gear down-lock proximity sensor								-	-
A22.7.5.4. Main landing gear up-lock proximity sensor								-	-
A22.7.5.5. Nose landing gear down proximity sensor								-	-
A22.7.5.6. Nose landing gear lock proximity sensor								-	-
A22.7.6. Repair components								-	-
A22.8. ANTI-SKID/AUTO-BRAKE SYSTEM TR: T.O. 1KC46-A-32-42									
A22.8.1. Operational Fundamentals								-	-
A22.8.2. Perform Operational Checks									
A22.8.2.1. Antiskid Transducer Spin-Up Test								-	-
A22.8.2.2. Antiskid System Operational Test - Indication								-	-
A22.8.2.3. Autobrake system test								-	-
A22.8.3. Troubleshoot anti-skid system								-	-
A22.8.4. Inspect system components								-	-

KC-46 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A	B
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Level Course	5 Level
A22.8.5. Remove/Install Components									
A22.8.5.1. Antiskid transducer								-	-
A22.8.5.2. Parking brake proximity sensor								-	-
A22.8.5.3. Brake temp monitor control unit								-	-
A22.8.5.4. Anti-skid control unit								-	-
A22.8.5.5. Wheel speed transducer								-	-
A22.8.5.6. Brake temp sensor								-	-
A22.8.6. Repair components								-	-
A22.8.7. Bench check								-	-
A22.9. FIRE PROTECTION SYSTEM TR: T.O. 1KC46-A-26-00									
A22.9.1. Operational Fundamentals								-	-
A22.9.2. Perform Operational Checks									
A22.9.2.1. Engine Fire Detection System								-	-
A22.9.2.2. APU Fire Detection System								-	-
A22.9.2.3. Main deck cargo compartment smoke detection test								-	-
A22.9.2.4. Engine fire extinguishing test								-	-
A22.9.2.5. APU fire extinguishing test								-	-
A22.9.2.6. Wheel well fire detection test								-	-
A22.9.3. Troubleshoot fire protection system								-	-
A22.9.4. Inspect system components								-	-
A22.9.5. Remove/Install Components									
A22.9.5.1. Engine fire extinguisher cartridge								-	-
A22.9.5.2. Engine fire detector element								-	-
A22.9.5.3. APU fire extinguisher cartridge								-	-
A22.9.5.4. APU fire extinguishing bottle								-	-
A22.9.5.5. Engine fire extinguishing bottle								-	-
A22.9.5.6. Main deck cargo compartment smoke detection controller								-	-
A22.9.5.7. Fire detection card file								-	-
A22.9.5.8. Typical smoke detector								-	-
A22.10. ICE AND RAIN PROTECTION SYSTEM TR: T.O. 1KC46-A-30-00									
A22.10.1. Operational Fundamentals								-	-
A22.10.2. Perform Operational Checks									
A22.10.2.1. Flight Compartment Window Anti-Icing System								-	-
A22.10.2.2. Engine cowl ice protection								-	-
A22.10.3. Troubleshoot ice and rain protection system								-	-

KC-46 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A22.10.4. Inspect system components								-	-
A22.10.5. Remove/Install Components									
A22.10.5.1. Anti-ice defog control panel assembly								-	-
A22.10.5.2. Wing ice protection shutoff valve								-	-
A22.10.5.3. Wing telescopic duct slat assembly								-	-
A22.10.5.4. Wing low temperature sensor								-	-
A22.10.5.5. Leading edge slat anti-icing duct assemblies								-	-
A22.10.5.6. Cowl low temperature sensor								-	-
A22.10.5.7. Cowl ice protection venturi duct assembly								-	-
A22.10.5.8. Windshield anti-icing control box								-	-
A22.10.5.9. Window defog control box								-	-
A22.10.5.10. Engine inlet thermal anti-ice valve								-	-
A22.11. ONBOARD INERT GAS GENERATION SYSTEM (OBIGGS) TR: T.O. 1KC46-A-47-00									
A22.11.1. Operational Fundamentals								-	-
A22.11.2. Perform Operational Checks									
A22.11.2.1. Onboard inert gas generation system								-	-
A22.11.2.2. Interrogation onboard inert gas generation system								-	-
A22.11.3. Troubleshoot system								-	-
A22.11.4. Inspect system components								-	-
A22.11.5. Remove/Install Components									
A22.11.5.1. Shutoff valve								-	-
A22.11.5.2. Temp control valves								-	-
A22.11.5.3. Heat exchanger								-	-
A22.11.5.4. Ram air check valves								-	-
A22.11.5.5. NEA sweep shutoff valve								-	-
A22.11.5.6. Temp control system-temp sensors								-	-
A22.11.5.7. Temp control system-overheat switches								-	-
A22.11.5.8. OBIGGS/NEADS controller								-	-
A22.11.5.9. Ground cooling fan								-	-
A22.11.5.10. Air separator module pressure sensor								-	-
A22.11.5.11. Air separation module								-	-
A22.12. INDICATING AND RECORDING SYSTEM TR: T.O. 1KC46-A-47-00									
A22.12.1. Operational Fundamentals								-	-
A22.12.2. Perform Operational Checks									
A22.12.2.1. Interrogate sensor signal interface								-	-

KC-46 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A22.12.2.2. Aural warning system								-	-
A22.12.2.3. Visual warning and caution system (WACS)								-	-
A22.12.3. Troubleshoot indicating and recording system								-	-
A22.12.4. Inspect system components								-	-
A22.12.5. Remove/Install Components									
A22.12.5.1. Enhanced warning electronic unit (EWEU)								-	-
A22.12.5.2. Sensor signal interface								-	-
A22.13. DOOR CONTROL AND WARNING SYSTEM TR: T.O. 1KC46-A-52-71									
A22.13.1. Operational Fundamentals								-	-
A22.13.2. Perform Operational Checks								-	-
A22.13.3. Troubleshoot system								-	-
A22.13.4. Inspect system components								-	-
A22.13.5. Remove/Install Components									
A22.13.5.1. Main deck cargo door control sensors								-	-
A22.13.5.2. Door warning sensors								-	-
A22.13.5.3. Cargo door control panel								-	-
A22.13.6. Repair components								-	-
A22.14.. CARGO HANDLING/MISSION SYSTEM TR: T.O. 1KC46-A-52-00									
A22.14.1. Operational Fundamentals								-	-
A22.15. START AND IGNITION SYSTEM TR: T.O. 1KC46-A-N47-00, 1KC46-A-N80-00									
A22.15.1. Operational Fundamentals								-	-
A22.15.2. Perform Operational Check of engine ignition distribution system								-	-
A22.15.3. Troubleshoot power plant start system								-	-
A22.15.4. Inspect system components								-	-
A22.16. BLEED AIR DISTRIBUTION SYSTEM TR: T.O. 1KC46-A-36-00									
A22.16.1. Operational Fundamentals								-	-
A22.16.2. Perform Operational Checks									
A22.16.2.1. Manifold Temperature Sensor Operational Test								-	-
A22.16.3. Remove/Install Components									
A22.16.3.1. Pressure sensor								-	-
A22.16.3.2. Temperature sensor								-	-
A22.16.3.3. Check valve								-	-
A22.16.3.4. Pressure regulating and shut off valve								-	-

KC-46 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Tag Start	Tag Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A22.16.3.5. High pressure shut off valve								-	-
A22.16.3.6. Pneumatic high stage manifold								-	-
A22.16.3.7. Pneumatic ducting								-	-
A22.16.3.8. Typical pneumatic system pilot valve								-	-
A22.16.3.9. Air supply control and test unit								-	-
A22.17. AIR CONDITIONING SYSTEM TR: T.O. 1KC46-A-21-00									
A22.17.1. Operational Fundamentals								-	-
A22.17.2. Perform Operational Checks									
A22.17.2.1. Cabin Air Conditioning and Temperature Control System								-	-
A22.17.2.2. Air conditioning system								-	-
A22.17.2.3. Interrogation of ECSC								-	-
A22.17.2.4. Cargo compartment vane axial fan								-	-
A22.17.2.5. Ram air vent turbine bypass valve ram door actuator								-	-
A22.17.3. Troubleshoot system								-	-
A22.17.4. Inspect system components								-	-
A22.17.5. Remove/Install Components									
A22.17.5.1. Main deck air distribution shut off valve								-	-
A22.17.5.2. Air cycle machine								-	-
A22.17.5.3. Recirculation air barrier filter								-	-
A22.17.5.4. Environmental control panel assembly								-	-
A22.17.5.5. Pack flow sensors								-	-
A22.17.5.6. Dual heat exchanger								-	-
A22.17.5.7. Water collector								-	-
A22.17.5.8. Temperature sensors								-	-
A22.17.5.9. Main deck cargo door heater blanket								-	-
A22.17.5.10. Pressure sensors								-	-
A22.17.5.11. Temperature switch								-	-
A22.17.5.12. Avionics backup outflow valve								-	-
A22.17.5.13. Trim air pressure regulating and shut off valve								-	-
A22.17.5.14. Cabin temperature controller								-	-
A22.17.5.15. Avionics cooling shut off valve								-	-
A22.17.5.16. Temperature control selector								-	-
A22.17.5.17. Flow control valve								-	-
A22.17.5.18. Ram air vent valve actuator adjustment								-	-

KC-46 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
	5	7	A	B	C	D	E	A 3 Level	B 5 Level
			Trg Start	Trg Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A22.18. PRESSURIZATION SYSTEM TR: T.O. 1KC46-A-21-31									
A22.18.1. Operational Fundamentals								-	-
A22.18.2. Perform Operational Checks									
A22.18.2.1. Perform BITE Test - Cabin Pressure Controller								-	-
A22.18.2.2. Operate Cabin Pressure Control System (Manual Mode)								-	-
A22.18.3. Troubleshoot system								-	-
A22.18.4. Inspect system components								-	-
A22.18.5. Remove/Install Components									
A22.18.5.1. Automatic cabin pressure controller								-	-
A22.18.5.2. Cabin pressure outflow valve body								-	-
A22.18.5.3. Cabin pressure selector panel								-	-
A22.18.5.4. Remote cabin pressure sensor								-	-
A22.18.5.5. Actuator AC motor								-	-
A22.18.5.6. Positive pressure relief valve								-	-
A22.18.5.7. Actuator DC motor								-	-
A22.18.5.8. Altitude pressure solenoid switch								-	-
A22.19. OXYGEN SYSTEM TR: T.O. 1KC46-A-35-00									
A22.19.1. Operational Fundamentals								-	-
A22.19.2. Perform Operational Checks									
A22.19.2.1. Crew Oxygen Mask/Regulator Test								-	-
A22.19.3. Troubleshoot oxygen system								-	-
A22.19.4. Inspect system components								-	-
A22.19.5. Remove/Install Components									
A22.19.5.1. Oxygen regulator								-	-
A22.19.5.2. GOX bottle								-	-
A22.19.5.3. Filler valve								-	-
A22.19.5.4. Shutoff valve								-	-
A22.19.5.5. Distribution tubes/hoses								-	-
A22.19.5.6. Pressure indicator								-	-
A22.19.5.7. GOX rack assembly								-	-
A22.19.6. Perform leak check								-	-
A22.19.7. Use Cleaning compounds								-	-
A22.20. CREW ESCAPE AND SAFETY SYSTEM TR: T.O. 1KC46-A-25-61									
A22.20.1. Operational Fundamentals								-	-

KC-46 TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)	
			A	B	C	D	E	A 3 Level	B 5 Level
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	
A22.20.2. Perform Operational Checks									
A22.20.2.1. Flotation equipment deployment system								-	-
A22.21. INFLIGHT REFUELING SYSTEM TR: T.O. 1KC46-A-28-70									
A22.21.1. Operational Fundamentals								-	-
A22.21.2. Perform Operational Checks									
A22.21.2.1. Perform Boom Marker Lights and Boom Flood Lights Test								-	-
A22.21.2.2. Perform Pilot Director Lights Operational Test								-	-
A22.21.3. Remove/Install Components									
A22.21.3.1. CDS refueling control unit								-	-
A22.21.3.2. Signal coil								-	-
A22.21.3.3. Signal amplifier								-	-
A22.22. MISCELLANEOUS SYSTEMS TR: T.O. 1KC46-A-38-00, 1KC46-A-29-11-00									
A22.22.1. Operational Fundamentals								-	-
A22.22.2. Perform Operational Checks									
A22.22.2.1. Electric Water Heater								-	-
A22.22.2.2. Waste Disposal system								-	-
A22.22.2.3. Galley Module system								-	-
A22.22.2.4. Auxiliary hydraulic system								-	-
A22.22.3. Inspect system components								-	-
A22.22.4. Troubleshoot									
A22.22.4.1. Water/waste system								-	-
A22.22.4.2. Potable water system								-	-
A22.22.4.3. Lavatory shaver power supply								-	-