

AFSC 2A6X4

AIRCRAFT FUEL SYSTEMS



CAREER FIELD EDUCATION AND TRAINING PLAN

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**CAREER FIELD EDUCATION AND TRAINING PLAN
AIRCRAFT FUEL SYSTEMS SPECIALTY
AFSC 2A6X4**

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**AIRCRAFT FUEL SYSTEMS SPECIALTY
CAREER FIELD EDUCATION AND TRAINING PLAN
AFSC 2A6X4**

PART I

Preface

1. This Career Field Education and Training Plan (CFETP) is a comprehensive education and training document that identifies life-cycle education/training requirements, training support resources, and minimum core task requirements for 2A6X4, Aircraft Fuel 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 2A6X4 CFETP, 1 April 2014. To read, review, or print a copy of the current CFETP, go to the Air Force Publications website at: <http://www.e-publishing.af.mil/>.

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

2. The CFETP consists of two parts; supervisors 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. Some examples are funds, manpower, equipment, and facilities. Section E identifies transition training guide requirements to support career field restructures.

2.2. Part II includes the following: Section A contains the course objective list and training standards supervisors will use to determine if airmen have satisfied training requirements. Section B identifies available support materials, such as Qualification Training Package (QTP) which may be developed to support proficiency training. Section C contains a training course index 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, and technical references to support training; Air Education and Training Command (AETC) conducted training, wartime course requirements, core tasks, and correspondence course requirements. At unit level, supervisors and trainers will use Part II to identify, plan, and conduct training commensurate with the overall goals of this plan.

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

ABBREVIATIONS/TERMS EXPLAINED

Advanced Training (AT). A formal course which provides individuals who are qualified in one or more positions of 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 the AFS.

Air Force Career Development Academy (AFCDA). Mission is to develop distance learning curriculum to prepare today's Airmen for tomorrow's challenges. They also develop, manage and deliver Career Development Courses (CDCs). They publish and distribute the CDCs, develop and maintain the course exams and also support for educational development.

Air Force Enlisted Classification Directory (AFECD). These directories contain the official specialty descriptions for all military classification codes and identifiers which are used to identify each Air Force job (valid requirement) and describe the minimum mandatory qualifications of personnel to fill these jobs. These standards are used to procure, classify, and employ personnel; to develop career programs for initial training, retraining, and skill upgrade; and to structure unit manpower document (UMD) positions.

Air Force Job Qualification Standard (AFJQS). A comprehensive task list that describes a particular job type or duty position. They are used by supervisors to document task qualifications. The tasks on an 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.

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

Certification Official. A person the commander assigns to determine an individual's ability to perform a task to required standards.

Continuation Training. Additional training that exceeds requirements with emphasis on present or future duty assignments.

Contract Training. Type 1 training that receives the same priority funding as Air Force directed training. It supports initial groups of instructors, operators, etc., that the Air Force requires for new or modified weapon systems.

Core Task. Tasks that the Air Force Career Field Manager (AFCFM) identifies as minimum qualification requirements within an Air Force Specialty. This gives units needed flexibility to manage their workforce training.

Course Objective List (COL). A publication identifying the tasks and knowledge requirements and respective standards provided to achieve a 3-7-skill level in this career field. Supervisors use the COL to assist in conducting graduate evaluations in accordance with AFI 36-2201, Air Force Training Program.

Course Training Standard (CTS). Training standard that identifies the training members will receive in a specific course not covered in the CFETP.

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 4/7). Special or regular on-site training conducted by a training detachment (TD) (Type 4) or by a mobile training team (MTT) (Type 7).

Integrated Maintenance Data System (IMDS). Formerly called Core Automated Maintenance System (CAMS); the primary Air Force production-oriented, base-level automated Maintenance Information System (MIS).

G081/Mobility Air Force Logistics Command & Control (G081/MAFLOGC2). Provides both a maintenance management system and a logistics command and control system for the C-5, C-130, KC-10, KC-135, and C-17 fleets.

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

Initial Skills Training (IST). A formal school course resulting in the award of a 3-skill level AFSC.

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

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

Mission Design Series (MDS). Aircraft (i.e., B-2, F-22, C-130).

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 skills/knowledge required to do the job.

Resource Constraints. Resource deficiencies, such as funding, facilities, time, manpower, and equipment, that precludes desired training from being delivered.

Specialty Training Requirements Team (STRT). A forum, chaired by the AFCFM with the Training Pipeline Manager, of MAJCOM Air Force Specialty Code (AFSC) functional managers, Subject Matter Experts (SMEs), and AETC training personnel working together to determine 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 Air Education and Training Command and the functional user to show which of the overall training requirements for an Air Force Specialty are taught in formal schools, career development courses, and exportable courses.

Training by Other Government Agencies (Type 5). This training includes training conducted by the Army, Navy, Air Force agency or unit other than AETC, and other government agencies inside or outside of the Department of Defense (DoD).

Training Setting. The type of forum in which training is provided (formal resident school, on-the-job, field training, mobile training team, self-study, etc.).

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

Utilization and Training Workshop (U&TW). 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 used to identify and source resources required to accomplish training requirements.

Web Site Links

AFCDA Website	http://www.airuniversity.af.mil/Barnes/AFCDA/
AFCDA Sharepoint	https://cs3.eis.af.mil/sites/AE-ED-02-37/default.aspx
AU Online (e-CDC)	https://cdc.aetc.af.mil/apex/f?p=300:9:::NO:::
CCAF	http://www.au.af.mil/au/ccaf/

ETCA	https://etca.randolph.af.mil/
HQ USAF/A4LF	https://cs3.eis.af.mil/sites/OO-LG-AF-35/default.aspx
361 TRS	https://www.my.af.mil/gcss-af/USAF/ep/globalTab.do?command=org&channelPageId=s6925EC1349430FB5E044080020E329A9
367 TRS/TRSS	https://367trss.hill.af.mil/
982 MXS/TST	https://www.my.af.mil/gcss-af/USAF/ep/globalTab.do?command=org&channelPageId=-1468774

Section A - General Information

1. Purpose of the CFETP. This CFETP provides 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 2A6X4 should receive to develop and progress throughout their career. This plan identifies initial skills, 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 the 361st Training Squadron, Sheppard Air Force Base, Texas. Upgrade training identifies the mandatory courses, task qualification requirements, and correspondence course completion requirements for award of the 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 training that provides individuals who are qualified in one or more positions of their AFS with additional skills/knowledge to enhance their expertise in the career field. The CFETP has several purposes, some of which 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 task 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 available in the specialty, identifies sources of training, and identifies the training delivery method.
- 1.4. Identifies major resource constraints that impact full implementation of the desired career field training process.

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

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

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

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

3. Coordination and Approval of the CFETP. IAW AFI 36-2201, the AFCFM is the approval authority. The AETC training manager for AFSC 2A6X4 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 Progression and Information

4. Specialty Description.

4.1. **Specialty Summary.** Removes, repairs, inspects, installs, and modifies aircraft fuel systems including integral fuel tanks, bladder cells, and external tanks (to include War Readiness Materials). Maintains associated hardware and equipment. Related DoD Occupational Subgroup: 602.

4.2. Duties and Responsibilities.

4.2.1. **Aircraft Fuel Systems Apprentice and Journeyman.** Performs maintenance on aircraft fuel tanks and cells. Removes access panels, and depuddles, purges, repairs, and tests fuel tanks and cells. Performs entry and maintenance in confined spaces. Removes, repairs, and replaces malfunctioning components. Prepares aircraft surfaces, and applies sealants, adhesives, and associated chemicals.

4.2.2. **Aircraft Fuel Systems Craftsman.** Advises on aircraft fuel systems removal, repair, and installation maintenance procedures and policies. Diagnoses fuel system and component malfunctions. Recommends corrective actions and resolves problems using technical publications and analytic techniques.

4.2.3. **Superintendent.** Plans and organizes aircraft systems maintenance activities. Interprets and implements maintenance directives and publications, including environmentally safe maintenance practices. Establishes production controls and standards. Analyzes maintenance reports of egress, fuel, inflight refueling, hydraulic, and electrical and environmental aircraft systems. Determines resource requirements. Coordinates with supply, operations, and other activities to improve procedures and resolve problems. Directs, controls, and performs aircraft systems maintenance activities.

Directs maintenance personnel employed in removing, disassembling, inspecting, repairing, reassembling, installing, testing, and modifying egress, fuel, hydraulic, in-flight refueling, and electrical and environmental aircraft systems and components. Solves maintenance problems with aircraft systems and related equipment. Inspects and evaluates aircraft systems maintenance work and activities. Evaluates work of compliance and directives, policies, and standards. Inspects maintenance activities and evaluates resource use. Interprets inspection findings and recommends corrective action.

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 necessary training at appropriate points in their career. The following narrative and AFSC 2A6X4 career field table identify the skill/career progression.

5.1. Apprentice (3) Level. Following Basic Military Training, initial skills training is provided in a 3-level (apprentice) resident course taught at the 82d Training Group, 361st Training Squadron, Sheppard Air Force Base, Texas. Training provided in this course is determined by the results from the Aircraft Fuel Systems Utilization and Training Workshop (U&TW). During the U&TW, subject matter experts use their extensive knowledge and experience and data provided by the Occupational Analysis Report (OAR) to determine course content. Task and knowledge training requirements are identified in Attachment 2 of the CFETP (STS). Upon completion of this initial-skills course, graduates are awarded the 3-skill level (AFSC 2A634). The course provides a foundation for additional training at the graduates' first duty assignment where trainees work with a trainer to increase knowledge and skills. Trainees utilize career development courses (CDCs), task qualification training, and other exportable courses to progress in their career field. Once trainees have been task certified, they may perform the task unsupervised.

5.2. Journeyman (5) Level. Upgrade training to the 5-skill level includes task and knowledge training. After award of the 3-skill level, trainees are enrolled in the Aircraft Fuel Systems Journeyman (5-level) CDC. Additionally, trainees must complete 5-skill level, upgrade training requirements (core tasks) identified in the STS. Once upgraded to the 5-skill level, trainees enter into continuation training to broaden their experience base by increasing their knowledge and skills in troubleshooting and solving more complex problems. After having 48 months in the Air Force, 5-levels will attend Airman Leadership School (ALS) to enhance their Professional Military Education (PME). Five-levels will be considered for appointment as unit trainers. Individuals will use their CDCs to prepare for Weighted Airman Promotion System (WAPS) testing. They should also consider continuing their education toward a Community College of the Air Force (CCAF) degree.

5.3. Craftsman (7) Level. For award of the 7-skill level, an individual must successfully complete all required 7-level training identified in this CFETP and meet 7-level minimum upgrade requirements (AFI 36-2201 Air Force Training Program and Air Force Enlisted Classification Directory (AFECD)). Completion of CDC 2A674 is part of the required 7-level upgrade training. A craftsman can expect to fill various supervisory and management positions such as shift leader, section chief, production supervisor, and various staff positions. Continued academic education through CCAF and higher degree programs, especially in resources and personnel management, is encouraged.

In addition, when promoted to TSgt, individuals will attend the Noncommissioned Officer Academy (NCOA). MSgt's and MSgt selectees should enroll in the Senior NCO Academy (SNCOA) correspondence course to further their professional development. MSgt's will also attend SNCOA, in-residence, prior to promotion to the rank of SMSgt. (Optional for Air Reserve Component (ARC)). Additional higher education and completion of courses outside their career AFS is also recommended.

5.4. Superintendent (9) Level. For award of the 9-skill level, individuals must hold the rank of SMSgt. A 9-level can expect 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. Additional higher education and completion of courses outside their career AFS is also recommended.

6. Training Decisions.

6.1. Initial Skills. The initial skills course was revised as a result of the Specialty Training Requirements Team meeting in November 2017. All proficiency codes were reviewed and only minor changes were made. The following tasks were removed from the course: Dropped Object Prevention Program (DOPP), Maintenance Resource Management (MRM), Generator Set, Diesel (-86), Generator Set (-60), Air Conditioner, diesel driven, and Compressor (MC-2A). A proficiency code to check for continuity of fuel system components was added to the course.

6.2. Five-Level Upgrade Requirements. The 5-level CDC was restructured into two volumes. All MDS specific lessons were removed. The new CDC will be comprised of only common maintenance, system operations, and logistics practices lessons.

6.3. Seven-Level Upgrade Requirements. A new two volume 7-level CDC will be created containing MDS specific lessons. It will also contain several maintenance management lessons.

6.4. Mission Design Series (MDS) Specific STSs. The 22 MDS specific attachments were reviewed. Attachment deletions included the 2AX7X. Three additional attachments were added which were: the KC-46, RQ-4 and C-40. There was numerous line items added and deleted based on MAJCOM requirements. Decisions regarding upgrade training included realigning the five and seven skill level core tasks.

6.5. Continuation Training. None

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7. Community College of the Air Force (CCAF). CCAF is one of several federally chartered degree-granting institutions; however, it is the only 2-year institution exclusively serving military enlisted personnel. The college is regionally accredited through Air University by the Commission on Colleges of the Southern Association of Colleges and Schools (SACS) to award AAS degrees designed for specific Air Force occupational specialties and is the largest multi-campus community college in the world.

Upon completion of basic military training and assignment to an AF career field, all enlisted personnel are registered in a CCAF degree program and are afforded the opportunity to obtain an Associate in Applied Science degree. In order to be awarded, degree requirements must be successfully completed before the student separates from the Air Force, retires, or is commissioned as an officer. See the CCAF website for details regarding the AAS degree programs at <http://www.au.af.mil/au/ccaf/>.

7.1. CCAF Degree Requirements. All enlisted 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:

Technical Education	24
Leadership, Management, and Military Studies	6
Physical Education	4
General Education.	15
Program Elective	15
Total: 64	

7.1.1. Technical Education (24 Semester Hours): Completion of the career field apprentice course satisfies some semester hours of the technical education requirements. A minimum of 24 semester hours of Technical Core subjects/courses must be applied and the remaining semester hours applied from Technical Core/Technical Elective courses. Some academic degree programs have specific technical education requirements. Refer to the CCAF General Catalog for specific degree requirements for your specialty.

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

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

7.1.4. 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.

7.1.5. Program Elective (15 Semester Hours): Satisfied with applicable Technical Education; Leadership, Management, and Military Studies; or General Education subjects/courses, including natural science courses meeting GER application criteria. 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.

7.1.6. Residency Requirement (16 Semester Hours): Satisfied by credit earned for coursework completed in an affiliated school or through internship credit awarded for progression in an Air Force occupation specialty. Enlisted members attending Army, Navy, and/or DOD initial or advanced training do not receive resident credit since these schools are not part of the CCAF system.

However, the college awards proficiency credit to AF enlisted members completing these courses. Note: Physical education credit awarded for basic military training is not resident credit.

7.2. Professional Certifications. Certifications assist the professional development of our Airmen by broadening their knowledge and skills. Additionally, specific certifications may be awarded collegiate credit by CCAF and civilian colleges, saving time and Air Force tuition assistance funds. It also helps airmen to be better prepared for transition to civilian life. To learn more about professional certifications and certification programs offered by CCAF, visit: <http://www.au.af.mil/au/ccaf/certifications.asp>. In addition to its associate degree program, CCAF offers the following certification programs and resources:

7.2.1. 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 CIC is a professional credential that recognizes the instructor's extensive faculty development training, education and qualification required to teach a CCAF course, and formally acknowledges the instructor's practical teaching experience.

7.2.2. CCAF Instructional Systems Development (ISD) Certification Program. CCAF offers the ISD Certification Program for qualified curriculum developers and managers who are formally assigned at CCAF affiliated schools to develop and manage CCAF collegiate courses. The ISD Certification is a professional credential that recognizes the curriculum developer's or manager's extensive training, education, qualifications and experience required to develop and manage CCAF courses. The certification also recognizes the individual's ISD qualifications and experience in planning, developing, implementing and managing instructional systems.

7.2.3. CCAF Professional Manager Certification (PMC). CCAF offers the PMC Program for qualified Air Force NCO's. The PMC is a professional credential awarded by CCAF that formally recognizes an individual's advanced level of education and experience in leadership and management, as well as professional accomplishments. The program provides a structured professional development track that supplements Enlisted Professional Military Education (EPME) and Career Field Education and Training Plan (CFETP).

7.2.4. CCAF Credentialing and Education Research Tool (CERT). CCAF implemented CERT to increase awareness of professional development opportunities applicable to Air Force occupational specialties. It is a valuable resource for Air Force enlisted personnel and provides information related to specific AFSCs, such as: AFSC description; civilian occupation equivalencies (US Department of Labor); CCAF degree programs; national professional certifications; certifying agencies; and professional organizations.

7.2.5. 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.

7.2.6. 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.

8. Career Field Path

8.1 **Enlisted Career Path:** Table 8.1 identifies career milestones for the 2A6X4 Air Force Specialty.

Table 8.1. Enlisted CareerPath				
Education and Training Requirements	Grade Requirements			
	Rank	Average Sew-On	Earliest Sew-On	High Year Of Tenure (HYT)
BMTS	AB			
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 (OJT). - Minimum 9 months OJT for retrainees. - Complete all 5-level core tasks where applicable. - Complete appropriate CDC if/when available.	Amn A1C SrA	6 months 16 months 3 years	28 months	8 years
Airman Leadership School - Must be a SrA with 48 months' time in service or be a SSgt Selectee. - Resident graduation is a prerequisite for SSgt sew-on (Active Duty Only).	Trainer - Qualified and certified to perform the task to be trained. - Must attend the Air Force Training Course.			
	Certifier - Be at least a SSgt with a 5-skill level, or civilian equivalent, trained and qualified to perform the task being trained. - Attend 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. - 12 months OJT. - 6 months OJT for retrainees. - Complete all 5- and 7-level core tasks. - Complete appropriate CDC if/when available.	SSgt	7.5 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	12.5 years	5 years	20 years
	MSgt	16 years	8 years	24 years
USAF Senior NCO Academy (SNCOA) - Must be a MSgt or SMSgt Selectee. - A percentage of top non-select (for promotion to E-8) Upgrade To Superintendent (9-Skill Level) - Minimum rank of SMSgt	SMSgt	19.2 years	11 years	26 years
Chief Enlisted Manager (CEM)	CMSgt	21.5 years	14 years	30 years

Section C - Skill Level Training Requirements

9. Purpose. Skill level training requirements in the 2A6X4 career field are defined in terms of task 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 task and knowledge training requirements are identified in the STS at Part II, Sections B and E of this CFETP.

10. Specialty Qualification 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 is located in the official specialty description in Air Force Enlisted Classification Directory (AFECD), paragraph 3.

10.1.1.1. **Knowledge.** Knowledge is mandatory of internal hardware such as valves, interconnects, lines, gauges, controls, pumps, and other attachments; sealing materials; sheet metal parts; rubber properties and organic sealing compound applications; layout drawing use; technical publications; concepts and applications of maintenance directives; work policies and procedures; and proper handling, use, and disposal of hazardous waste and material.

10.1.1.2. **Education.** For entry into this specialty, completion of high school with courses in general science or physics is desirable.

10.1.1.3. **Training.** For award of AFSC 2A634, completion of the Aircraft Fuel Systems Apprentice Course is mandatory.

10.1.1.4. **Experience.** None.

10.1.1.5. **Other.** For entry into this specialty, normal color vision as defined in AFI 48-123, *Medical Examination and Standards*, is mandatory.

10.1.2. **Training Sources and Resources.** The initial skills course provides applicable career field knowledge to the 3-skill level. Training includes an introduction to maintenance management, technical orders, and the Maintenance Information Systems (MIS). Also taught are basic fuel system designs, operating principles, and maintaining aircraft fuel systems with high emphasis on safety of personnel and equipment. In consideration of the group/size constraints imposed by the aircraft fuel systems equipment, certain modules of instruction were designed to permit simultaneous training and performance on the various tasks involved using a team and/or subgroup approach.

10.1.3. **Implementation.** Upon graduation from Basic Military Training (BMT), completion of the Aircraft Fuel Systems Apprentice course is required to satisfy the knowledge and training resource requirements for award of the 3-skill level.

10.2. Journeyman Level Training:

10.2.1. **Specialty Qualification.** This information is located in the official specialty description in Air Force Enlisted Classification Directory (AFECD), paragraph 3.

10.2.1.1. **Knowledge.** Knowledge is mandatory of: internal hardware such as valves, interconnects, lines, gauges, controls, pumps, and other attachments; sealing materials; sheet metal parts; rubber properties and organic sealing compound applications; layout drawing use; technical publications; concepts and applications of maintenance directives; work policies and procedures; and proper handling, use, and disposal of hazardous waste and material.

10.2.1.2. **Education.** There are no formal education requirements beyond those defined for the apprentice level. However, completion of a CCAF degree is desirable.

10.2.1.3. **Training.** The 5-level CDC provides the career knowledge training required for the award of AFSC 2A654. Training on core tasks identified in the STS is provided by qualification training and OJT. The CDC is designed to build upon the trainee's current knowledge base and provide more in-depth knowledge to support OJT requirements.

10.2.1.4. **Experience.** Individuals must be qualified in and possess AFSC 2A634, complete all 5-level core tasks identified in the STS, and have experience in functions such as installing, repairing, or modifying aircraft fuel systems and related components.

10.2.2. **Training Sources and Resources.** A minimum of 12 months on-the-job training, completion of the 2A654 CDC, and completion of 5-level core tasks represent the resources needed for award of the 5-skill level.

10.2.3. **Implementation.** Training for upgrade to the 5-skill level is performed by the units utilizing this STS, exportable courses, and CDCs. Upgrade to the 5-skill level requires completion of CDC 2A654 and minimum 12 months upgrade training or 9 months for retrainees.

10.3. Craftsman Level Training(7-Level):

10.3.1. **Specialty Qualification.** This information is located in the official specialty description in Air Force Enlisted Classification Directory (AFECD), paragraph 3.

10.3.1.1. **Knowledge.** Knowledge is mandatory of: internal hardware such as valves, interconnects, lines, gauges, controls, pumps, and other attachments; sealing materials; sheet metal parts; rubber properties and organic sealing compound applications; layout drawing use; technical publications; concepts and applications of maintenance directives; work policies and procedures; and proper handling, use, and disposal of hazardous waste and material.

10.3.1.2. **Education.** There are no additional education requirements beyond those defined for the journeyman level. Completion of a CCAF degree is desirable.

10.3.1.3. **Training.** Completion of CDC 2A674, *Aircraft Fuel Systems Craftsman* is mandatory for award of AFSC 2A674.

Training provided by the 7-level CDC builds upon the trainees' current knowledge base and provides more in-depth knowledge to support OJT requirements. Training on tasks identified in the STS is provided by qualification training and OJT.

10.3.1.4. **Experience.** Individuals must be qualified in and possess AFSC 2A654 and have experience supervising functions such as installing, repairing, troubleshooting, inspecting or modifying aircraft fuel systems.

10.3.1.5. **Other.** For award and retention of this specialty, normal color vision as defined in AFI 48-123, *Medical Examination and Standards*, is mandatory.

10.3.2. **Training Sources and Resources.** . Upgrade to the 7-level will require completion of all AFCFM directed core tasks, a minimum of 12 months OJT as SSgt, and completion of the 2A674 CDC. Exportable courses have been developed and are provided to field units to help standardize OJT, enhance the training effort, and minimize the impact on productive man-hours.

10.3.3. **Implementation.** Upgrade to the 7-level will require completion of all AFCFM directed core tasks, a minimum of 12 months OJT as SSgt, and completion of the 2A674 CDC.

10.4. Superintendent Level Training (9-Level):

10.4.1. **Specialty Qualification.** This information is located in the official specialty description in Air Force Enlisted Classification Directory (AFECD), paragraph 3.

10.4.1.1. **Knowledge.** Knowledge is mandatory of: internal hardware such as valves, interconnects, lines, gauges, controls, pumps, and other attachments; sealing materials; sheet metal parts; rubber properties and organic sealing compound applications; layout drawing use; technical publications; concepts and applications of maintenance directives; work policies and procedures; and proper handling, use, and disposal of hazardous waste and material.

10.4.1.2. **Education.** There are no additional education requirements beyond those defined for the craftsman level. However, completion of a CCAF degree is desirable.

10.4.1.3. **Training.** For award of AFSC 2A690, promotion to SMSgt is mandatory.

10.4.1.4. **Experience.** For award of AFSC 2A690, qualification in and possession of AFSC 2A673, 2A674, 2A675, or 2A676 is mandatory. Also, experience is mandatory directing functions such as installing, maintaining, repairing, overhauling, or modifying aircraft fuel systems; aircraft fuel and in-flight refueling systems; aircraft and equipment hydraulic systems; or aircraft and equipment electrical and environmental systems.

10.4.2. **Training Sources/Resources.** Duty position qualification represents the required resources for upgrade to the 9-skill level.

10.4.3. **Implementation.** The 9-level will be awarded after promotion to SMSgt.

Section D - Resource Constraints

11. Purpose. This section identifies known resource constraints precluding optimal/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: The following manpower/man-year and equipment constraints were identified during the U&TW:

12.1. **Manpower/Man-Year Constraints.** None

12.2. **Equipment Constraints.** None

13. Five-Level Training: None

14. Seven-Level Training. None

Section E. - Transitional Training Guide. There are no transition training requirements. This area is reserved.

PART II

Section A - Specialty Training Standard

1. Implementation. This STS will be used for technical training provided by Air Education and Training Command for the apprentice class beginning 5 October 2018 with a graduation date of 28 November 2018. Field activation date of the 5-level CDC's is projected to be 1 December 2018.

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

2.1. Lists in column 1 (Task, Knowledge, and Technical Reference) the most common tasks, knowledge, and technical references (TR) necessary for airmen to perform duties in the 3-, 5-, and 7-skill level. All tasks with Training Requirements will continue to be taught during war time.

2.2. An asterisk (*) in column 2 identifies specialty-wide training requirements core tasks. Tasks marked with */R are deferrable for ANG /AFRC until training capability becomes available; MAJCOM Functional Managers, commanders, and supervisors may designate additional tasks as necessary. Third-party certification of core tasks is no longer an Air Force requirement for this specialty. However, MAJCOMs, commanders, and workcenter supervisors still retain the option to designate critical tasks requiring third-party certification. To designate a task as requiring third-party certification, identify the appropriate task in the core task column on the specialty training standard (STS) portion of the CFETP in the master task list (MTL) and individual training records. If the task is not already designated as a core task, identify the task in the core task column.

2.2.1. 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). Units that use the GO81 maintenance data collection system do not need to complete Integrated Maintenance Data System (IMDS) core tasks.

2.2.2. For units with more than one mission design series (MDS) (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 MDS 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 MDS aircraft. Flightline assigned personnel must complete backshop core tasks and vice versa. All units are bound by the requirements in this CFETP and will accommodate core task trainees from other units.

2.2.3. Units will complete the Computer Based Training (CBT) core tasks applicable to the system in use and are not required to complete both. Locations with both IMDS and G081 will only train on the system applicable to their MDS/TMSM. This training is available by access from the Air Force Portal.

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

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

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

2.6. Job Qualification Standard: Becomes a job qualification standard (JQS) for on-the-job training when placed in AF Form 623, On-The-Job Training Record, and used according to AFI 36-2201. For OJT, the tasks in column 1 are trained and qualified to the go/no go level. "Go" means the individual can perform the task without assistance and meets local requirements for accuracy, timeliness, and correct procedures. When used as a JQS, the following requirements apply:

2.6.1 Documentation: Document and certify completion of training IAW AFI 36-2201. Automated records, utilizing MIS or IMDS/G081 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. Use of at least one of attachments 3 through 7 is required.

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

2.7. STS: 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 Airmen Advancement Division by SNCOs 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 outlined in AFI 36-2502, *Airman Promotion Program*. WAPS is not applicable to the Air National Guard or Air Force Reserve.

3. Recommendations: Report unsatisfactory performance of individual course graduates to the AETC training manager at 361 TRS/TRR, 501 Missile Road, Sheppard AFB TX, 76311-2264, DSN 736-3684 or e-mail address 361TRS_TRAININGMANAGERS@us.af.mil. Reference specific STS paragraphs. A customer service information line has been installed for the supervisor's convenience to identify graduates who may have received over or under training on task/knowledge items listed in this training standard. For a quick response to problems, call our customer service information line, DSN 736-5236, any time, day or night.

Section B - Course Objective List

4. 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. The behavior is the action a student must demonstrate to accomplish a task (i.e., remove and install wheel and tire assembly). The standard is the level of performance that is measured to ensure the STS proficiency code level is attained. Each objective uses letter code(s) 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. Progress checks are also used to measure student accomplishment of performance objectives. W indicates a comprehensive written test and is used to measure the subject and/or task knowledge at the end of a block of instruction. PC/W indicates separate measurement of both knowledge and performance elements using a written test and a performance progress check.

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

6. 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. Most specific task performance is taught to the "1b" proficiency level which means the student can do simple parts of the task, and needs to be told or shown how to do most of the task (extremely limited). The student can also determine step by step procedures for doing the task.

7. Course Objectives. A detailed listing of initial skills objectives may be obtained by submitting a written request to the AETC Training Manager, 361 TRS/TRR, 501 Missile Road, Sheppard AFB TX 76311-2264 or email UDG_361TRS_TRAININGMANAGERS@us.af.mil.

Section C - Support Material

8. The following list of support material is not all-inclusive; however, it covers the most frequently referenced areas. Support material is any training package designed to enhance the learning process at any level of training. Refer to Education and Training Course Announcements (ETCA) for information on AETC formal courses at <https://etca.randolph.af.mil>.

9. Contact information for the 982 TRG courses is 912 I Avenue, Suite 3, Sheppard AFB, TX, 76311-2361, DSN 736-4801, <https://www.my.af.mil/gcss-af/USAF/ep/globalTab.do?channelPageId=s6925EC1353200FB5E044080020E329A9>.

10. Interactive Courseware (ICW) courses are available from (or under development by) the 367 TRS, 6058 Aspen, Bldg. 1295, Hill AFB, Utah 84056-5805 <https://367trss.hill.af.mil/>. Questions should be referred to the customer service number at DSN 777-2788.

Section D - Training Course Index

11. Purpose. This section of the CFETP identifies training courses available for the 2A6X4 Aircraft Fuel Systems Specialty and shows how the courses are used by each MAJCOM in their career field training programs. This index lists Air Force resident, CDC's, and exportable courses used to support training for this specialty. Refer to the Air Force Education and Training Course Announcements (ETCA) for information on AETC formal courses listed below: <https://app10-eis.aetc.af.mil/etca/SitePages/Home.aspx>

12. Air Force In-Resident Courses.

COURSE NO.	COURSE TITLE	LOCATION	USER
J3ABR2A634 048A	Aircraft Fuel Systems Apprentice	361 TRS	AF/ANG/AFRC

For further information on the following course, contact the OPR at:

361 TRS/TRR

501 Missile Road

Sheppard AFB, TX 76311-2264

DSN 736-3684 or UDG_361TRS_TRAININGMANAGERS@us.af.mil

13. Career Development Courses (CDC).

COURSE NUMBER	COURSE TITLE	USER
CDC 2A654	Aircraft Fuel Systems Journeyman	AF/ANG/AFRC
CDC 2A674	Aircraft Fuel Systems Craftsman	AF/ANG/AFRC

For further information contact the OPR at:

361 TRS/TRR

501 Missile Road

Sheppard AFB, TX 76311-2264

14. Exportable Courses.

COURSE NUMBER	TITLE	OPR	MEDIA
J6AZWXXXXX 0G1A	AF Technical Order System (General)	362 TRS	WBT
J6AZWXXXXX 0A1A	AF Technical Order System (Advanced)	362 TRS	WBT

For further information contact the OPR at:

362 TRS

613 10th Ave

Sheppard AFB, TX 76311-2352 DSN

736-5206/6184

<https://app10-eis.aetc.af.mil/etca/SitePages/Home.aspx>

Additional information can be found at:

367 TRSS

6058 Aspen Ave

Hill AFB, UT 84056-5805

DSN 777-7830/8741

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

982 MXS/TSU

912 I Ave Ste 4

Sheppard AFB, TX 76311-2334

DSN 736-3001

<https://www.my.af.mil/gcss-af/USAF/ep/globalTab.do?command=org&channelPageId=s6925EC1353200FB5E044080020E329A9>

COURSE TITLE	WEB SITE	OPR	USER
G081 Maintenance Data Collection	https://367trss.hill.af.mil/	367 TRSS	AF/ANG/AFRC

For further information contact the OPR at:

367 TRSS

6058 Aspen Ave

Hill AFB, UT 84056-5805 DSN

777-7830/8741

367TRSS.Helpdesk@hill.af.mil

Interactive Courseware (ICW) courses are available from or are under development by, 982 MXS/TSU, Sheppard AFB, Texas, 367 TRS/TRSS at Hill AFB, Utah.

For further information contact the OPRs at:

367 TRSS

6058 Aspen Ave

Hill AFB, UT 84056-5805

DSN 777-7830/8741

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

982 MXS/TSU

912 I Ave Ste 4

Sheppard AFB, TX 76311-2334

DSN 736-3001

<https://www.my.af.mil/gcss-af/USAF/ep/globalTab.do?command=org&channelPageId=s6925EC1353200FB5E044080020E329A9>

15. Training Detachment (TD) Courses.

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

COURSE NUMBER	COURSE TITLE	OPR
J4AMP2A6X4 A01A	B-1B Aircraft Fuel Systems	372 TRS
J4AMP2A6X4 A02A	B-2 Aircraft Fuel Systems	372 TRS
J4AMP2A6X4 A03A	B-52H Aircraft Fuel Systems Maintenance	372 TRS
J4AMP2A6X4 B04A	C-5 Aircraft Fuel System Craftsman	373 TRS
J4AMP2A6X4 A07A	C-17A Fuel Systems	373 TRS
J4AMP2A6X4 A17A	C-130 Fuel Systems Craftsman	373 TRS
J4AMP2A6X4 A18A	KC-135 Aircraft Fuel System Craftsman	373 TRS
J4AMP2A6X4 A22B	Aircraft Fuel System Craftsman (E-3)	373 TRS
J4AMP2A6X4 A25A	F-15 Aircraft Fuel Systems Maintenance	372 TRS
J4AMP2A6X4 A26A	F-16 HYDRAZINE TANK SERVICING	372 TRS
J4AMP2A6X4 A27B	F-22A Fuel System and On-Board Inert Gas Generating System (Conversion Training)	372 TRS
J4AMP2A6X4 A30B	HH-60 Fuel System Craftsman	373 TRS
J4AMP2A6X4 A31A	KC-10A Aircraft Fuel Systems	373 TRS
J4AMP2A6X4 A35B	RQ-4B Global Hawk Aircraft Fuel Systems	372 TRS
J4AMP2A6X4 B17A	C-130J Fuel Systems (Operator Maintenance)	372 TRS
J4AMP2A6X4 B25C	F-15 Conformal Fuel Tank Operation and Maintenance	372 TRS
J4AMP2A6X4 B26A	F-16 Aircraft Fuel System	372 TRS
J4AMP30000 B27C	Integrated Maintenance Data Systems	372 TRS
J4AMP2A6X4 C25A	F-15 War Ready Material (WRM) Fuel Tank Build-up (Initial)	372 TRS
J4AMP2A6X4 C26A	F-16 Initial WRM 370/300 Gallon Tank Build-up	372 TRS
J4AMP2A6X4 A41A	U-2 Aircraft Fuel Systems	372 TRS
J4AMP2A6X4 A00A	A-10 Aircraft Fuel Systems	372 TRS
J4AMP2AXXXE48A	G081 Flightline Basic	373 TRS
J4AMP2A674 A07A	C-17A Fuels System Transition Course	373 TRS
J4AMP2A6X4 C17A	HC/MC-130J Fuels System Repair (O. Maint.)	373 TRS
J4AMP2A6X4 A21A	CV-22B Fuels Systems Maintenance	373 TRS
J4AMP2A6X4 M28A	F-35 Fuels Interim Transition Training	372 TRS

982 TRG
 917 Missile Rd
 Sheppard AFB, TX 76311-2361
 DSN 736-4801

https://www.my.af.mil/gcss-af/USAF/ep/globalTab.do?command=org&channelPageId=s6925EC1353200FB5E044080020E_329A9

Section E - MAJCOM Unique Requirements**16. Mission Design Series (MDS) Specific Training Requirements**

16.1. Purpose. Attachments identify Mission Design Series (MDS) specific training requirements (core tasks) for an individual to become duty position qualified on a particular aircraft.

16.2. MAJCOM Functional Managers will review attachments during the annual CFETP review and submit any desired changes to these attachments or the CFETP to the AETC Training Manager who will submit them to the AFCFM for review and approval.

16.3. For MAJCOM unique requirements, refer to the MAJCOM mandatory course lists.

BY ORDER OF THE SECRETARY OF THE AIR FORCE

OFFICIAL

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

25 Attachments

1. Proficiency Code Key(mandatory)
2. Specialty Training Standard (STS) (mandatory)
3. General Aircraft Requirements (mandatory)
4. A-10 Requirements (optional)
5. B-1B Requirements (optional)
6. B-2 Requirements (optional)
7. B-52H Requirements (optional)
8. C-5 Requirements (optional)
9. F-35 Requirements (optional)
10. C-17 Requirements (optional)
11. C-18/E-8C Requirements (optional)
12. C-130 Requirements (optional)
13. C/KC-135 Requirements (optional)
14. E-3 Requirements (optional)
15. E-4 Requirements (optional)
16. F-15 Requirements (optional)
17. F-16 Requirements (optional)
18. F-22A Requirements (optional)
19. CV-22 Requirements (optional)
20. HH-60 Requirements (optional)
21. KC-10 Requirements (optional)
22. U-2 Requirements (optional)
23. KC-46 Requirements (optional)
24. RQ-4 Requirements (optional)
25. C-40 Requirements (optional)

PROFICIENCY CODE KEY

This Block Is For Identification Purposes Only		
Name Of Trainee		
Printed Name (Last, First, Middle Initial)	Initials (Written)	SSN (Last four)
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	Can do simple parts of the task. Needs to be told or shown how to do most of the task. (Extremely Limited)
	2	Can do most parts of the task. Needs only help on hardest parts. (Partially Proficient)
	3	Can do all parts of the task. Needs only a spot check of completed work. (Competent)
	4	Can do the complete task quickly and accurately. Can tell or show others how to do the task. (Highly Proficient)
*Task Knowledge Levels	a	Can name parts, tools, and simple facts about the task. (Nomenclature)
	b	Can determine step by step procedures for doing the task. (Procedures)
	c	Can identify why and when the task must be done and why each step is needed. (Operating Principles)
	d	Can predict, isolate, and resolve problems about the task. (Advanced Theory)
**Subject Knowledge Levels	A	Can identify basic facts and terms about the subject. (Facts)
	B	Can identify relationship of basic facts and state general principles about the subject. (Principles)
	C	Can analyze facts and principles and draw conclusions about the subject. (Analysis)
	D	Can evaluate conditions and make proper decisions about the subject. (Evaluation)
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 courses or CDCs. / 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.). X This mark is used alone in the course columns to show that training is required but not given due to limitations in resources.		

SPECIALTY TRAINING STANDARD

CFETP 2A6X4, 1 September 2018

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
2.1. AIRCRAFT FUEL SYSTEMS CAREER LADDER PROGRESSION TR: Air Force Enlisted Classification Directory (AFECD)								-	-	A	-	-
2.2. AF OCCUPATIONAL SAFETY AND HEALTH (AFOSH) PROGRAM TR: AFI s 91-203; 91-302; 91-101, 91-104, 21-101, 32-2001, AFMAN 10-3902, and applicable OSHA standards AFI 90-821, AFI 91-203, AFI 48-145												
2.2.1. Principles of ground safety TR: AFMAN 91-201, AFI 91-202, AFI 91-203								B	-	B	-	-
2.2.2. Hazards of the Industrial Area TR: AFIs 91-101 and 32-2001, AFI 91-203								-	-	-	-	-
2.2.3. Ground and bond aircraft and equipment TR: TOs 00-25-172 and 1-1-3	*							2b	-	b	-	-
2.2.4. Practice housekeeping consistent with safety of personnel and equipment TR: AFI 21-101, 91-203								2b	-	b	-	-
2.2.5. Apply safety precautions when using tools and test equipment TR: TOs 1-1-3, 32-1-101, and Applicable Equipment Manuals								2b	-	b	-	-
2.2.6. Apply precautions for handling chemicals TR: TOs 1-1-3, 42B-1-1, AFI 91-203	*							2b	-	b	-	-
2.2.7. Apply precautions for handling fuels TR: AFI 91-203, TO 42B-1-1	*							b	-	b	-	-
2.2.8. Select /use personnel fall restraint harnesses /devices TR: AFI 91-203	*							a	-	-	-	-
2.2.9. Contain fuel spills TR: TOs 1-1-3, 42B-1-1, AFI 91-203	*							b	-	b	-	-
2.2.10. Use and maintain personal protective equipment TR: AFI 91-203	*							2b	-	b	-	-
2.2.11. Use and Maintain Respirators TR: AFOSH Std 48-137	*							a	-	b	-	-

SPECIALTY TRAINING STANDARD

CFETP 2A6X4, 1 September 2018

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
2.2.12. Apply precautions for handling compressed gases TR: TO 42B5-1-2	*							b	-	b	-	-
2.2.13. Foreign object damage (FOD) prevention program TR: AFI 21-101								B	-	B	-	-
2.2.14. Dropped object prevention program (DOPP) TR: AFI 21-101								-	-	-	-	B
2.2.15. Air Force Hazard Communication Program TR: AFI 90-821								-	-	-	-	-
2.2.16. Apply precautions when towing AGE equipment TR: AFI 91-203								-	-	-	-	-
2.2.17. Maintain AF Form 55 TR: AFI 91-301								-	-	-	-	-
2.2.18. Handling and maintenance of explosive loaded aircraft TR: 11A-1-33								-	-	-	-	-
2.2.19. Use of emergency eye wash and showers TR: AFI 91-203								b	-	-	-	-
2.2.20. Fire extinguisher training TR: AFI 91-301								b	-	-	-	-
2.3. Risk Management TR: AFI 90-802												
2.3.1. AF Risk Management								-	-	-	-	-
2.4. Resource Management												
2.4.1. Maintenance Resource Management (MRM)								-	-	-	-	-
2.5. TECHNICAL PUBLICATIONS TR: 00-5 and 00-20 series TOs												
2.5.1. Fundamentals of TO system TR: AFD 63-1 and 20-1; TOs 00-5-1								B	-	B	-	-
2.5.2. Use technical publications TR: TO 00-5-1, 00-20 series and applicable TOs	*							2b	-	-	-	-
2.5.3. Web-based technical publications and instructions TR: TO 00-5-1								B	-	-	-	-
2.5.4. Use Interactive Electronic Technical Manual System (IETMS) TR: TO 00-5-1								2b	-	-	-	-
2.5.5. AFTO Form 22, Technical Order Improvement Report And Reply TR: TO 00-5-1								B	-	B	-	-

SPECIALTY TRAINING STANDARD

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
2.5.6 Time Compliance Technical Orders (TCTOs)								B	-	-	-	B
2.5.7 Waivers								-	-	-	-	B
2.6. HAZARDOUS MATERIALS AND WASTE HANDLING ACCORDING TO ENVIRONMENTAL STANDARDS TR: AFMAN 48-155 AFI 48-145 and 90-821 and local directives												
2.6.1. Types of hazardous materials/fluids								B	-	-	-	-
2.6.2. Handling procedures								B	-	-	-	-
2.6.3. Storage and labeling								B	-	-	-	-
2.6.4. Proper disposal								B	-	-	-	-
2.7. MAINTENANCE MANAGEMENT TR: AFI 21-101 and applicable Command Directives												
2.7.1. Organizational structure of the MXG TR: AFI 21-101								-	-	A	-	-
2.7.2. Maintenance Group Commander												
2.7.2.1 Responsibilities of the MXG/CC								-	-	A	-	-
2.7.2.2 Maintenance Standardization and Evaluation Program (MSEP)								-	-	-	-	B
2.7.3. Maintenance Accountability								-	-	-	-	-
2.7.4. Resource Management								-	-	-	-	-
2.7.5. Maintenance incident investigation and prevention								-	-	-	-	-
2.7.6 Aircraft inspection concepts TR: TO 00-20-1								-	-	A	-	-
2.7.7. Use maintenance forms TR: TO 00-20 series												
2.7.7.1. AFTO Form 95	*							2b	-	-	-	-
2.7.7.2. AFTO Form 350	*							2b	-	-	-	-
2.7.7.3. AFTO Form 244	*							2b	-	b	-	-
2.7.7.4. AFTO Form 427	*							2b	-	b	-	-
2.7.7.5. AFTO Form 781A	*							2b	-	b	-	-
2.7.7.6. AFTO Form 781H	*							2b	-	b	-	-

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
2.7.7.7. AFTO Form 781K	*							2b	-	b	-	-
2.7.8. Use Integrated Maintenance Data System (IMDS) TR: AFCSM 21 series												
2.7.8.1. Document completed maintenance actions								b	-	-	-	-
2.7.8.2. Perform maintenance inquiries	*							b	-	-	-	-
2.7.8.3. Schedule maintenance discrepancies	*							b	-	-	-	-
2.7.8.4. Create aircraft discrepancies	*							b	-	-	-	-
2.7.8.5. Close aircraft discrepancies	*							b	-	-	-	-
2.7.8.6. Defer aircraft discrepancies	*							-	-	-	-	-
2.7.8.7. Generate aircraft forms								-	-	-	-	-
2.7.8.8. Supply transactions								-	-	-	-	-
2.7.9. Use GO-81												
2.7.9.1. Document completed maintenance actions	*							b	-	-	-	-
2.7.9.2. Perform maintenance inquiries	*							b	-	-	-	-
2.7.9.3. Schedule maintenance discrepancies	*							b	-	-	-	-
2.7.9.4. Create aircraft discrepancies	*							b	-	-	-	-
2.7.9.5. Close aircraft discrepancies	*							b	-	-	-	-
2.7.9.6. Defer aircraft discrepancies	*							-	-	-	-	-
2.7.9.7. Generate aircraft forms								-	-	-	-	-
2.7.9.8. Supply transactions								-	-	-	-	-
2.7.9.9. Complete G081 Web Based Training	*							-	-	-	-	-
2.8. MAINTENANCE SUPPLY AND EQUIPMENT MANAGEMENT TR: AFI 21-101												
2.8.1. Process and control materiel and repairable assets Due In From Maintenance (DIFM) TR: AFMAN 23-110								-	-	B	-	-
2.8.2. Deficiency Reporting (DR) System/Joint Defense Reporting System (JDRS) TR: 00-35D-54; AFCSM 21 series								-	-	-	-	B
2.8.3. Standard Base Supply System (SBSS) TR: AFCSM 21 series								-	-	A	-	B
2.8.4. Supply documents management								-	-	-	-	-

SPECIALTY TRAINING STANDARD

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
2.8.5. Equipment account management								-	-	-	-	B
2.8.6. Priority System								-	-	-	-	B
2.8.7. Analyze maintenance reports TR: AFIs 21-101; TO00-20-1								-	-	-	-	B
2.8.8. FEDLOG								-	-	-	-	-
2.8.9. WEBFLIS								-	-	-	-	-
2.9. TRAINING TR: AFIs 21-101 and 36-2201												
2.9.1. Evaluate personnel to determine needs for formal/informal training								-	-	-	-	A
2.9.2. Plan and supervise OJT												
2.9.2.1. Prepare job qualification standards								-	-	-	-	-
2.9.2.2. Conduct training								-	-	-	-	A
2.9.2.3. Monitor effectiveness of training								-	-	-	-	-
2.9.2.4. Maintain Training Records/ Automated Training Records								-	-	-	-	A
2.9.2.5. Career Field Education and Training Plan (CFETP) familiarization								-	-	-	-	-
2.10. OPERATE/INSPECT/MAINTAIN TR: TOs 1-1-3, 32-1-101, 32B14-3-1-101, and Applicable TOs												
2.10.1. Tool Management/Accountability								-	-	-	-	A
2.10.2. Special tools and test equipment												
2.10.2.1 Torque wrenches								2b	-	b	-	-
2.10.2.2. Bonding meter								-	-	b	-	-
2.10.2.3. Leak tracing devices								-	-	a	-	-
2.10.2.4. Pressurization test kits								-	-	-	-	-
2.10.2.5. Pressure/vacuum gauges								-	-	-	-	-
2.10.2.6. External tank pressure test adapter assemblies								-	-	-	-	-
2.10.2.7. Helium Tester								-	-	-	-	-
2.10.2.8. Photo ionization detector (PID)	*							2b	-	b	-	-
2.10.2.9. Multimeter	*							2b	-	b	-	-

SPECIALTY TRAINING STANDARD

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
2.10.2.10. Explosion-proof lighting equipment TR: TO 1-1-3, and applicable manuals								2b	-	a	-	-
2.10.2.11. Manometer TR: TO 35DA11-5-1								2b	-	b	-	-
2.10.2.12. Universal external fuel tank certifier								-	-	-	-	-
2.10.2.13. Injection gun, curing								-	-	a	-	-
2.10.2.14. Sealant filleting gun								-	-	b	-	-
2.10.2.15. Injection gun, non-curing								-	-	a	-	-
2.10.2.16. Aerial refueling tester TR: TO 33D2-13-13-1								b	-	-	-	-
2.10.2.17. Fuel servicing cart TR: TO 35D29-8-12-1								-	-	-	-	-
2.10.2.18. Portable purging equipment TR: Applicable TOs/manuals								2b	-	b	-	-
2.10.2.19. Pressure/vacuum box TR: Applicable TOs/manuals								-	-	-	-	-
2.10.2.20. Fuel quantity testers								-	-	-	-	-
2.10.2.21. Breathing air systems TR: Applicable TOs/manuals	*							b	-	b	-	-
2.10.2.22. Explosion-proof pneumatic vacuum TR: Applicable manuals								b	-	b	-	-
2.10.2.23. Tensiometer								-	-	-	-	-
2.10.2.24. External fuel tank maintenance stand/dollies								-	-	-	-	-
2.10.2.25. Lifting fixtures, slings, and devices								-	-	-	-	-
2.10.2.26. Micrometers								-	-	-	-	-
2.10.2.27. Borescope								-	-	-	-	-
2.10.2.28. Hand tools								2b	-	b	-	-
2.11. FACILITIES TR: Local OIs												
2.11.1. Open/close hangar doors								-	-	-	-	-
2.11.2. Operate purging equipment								-	-	-	-	-
2.11.3. Fire suppression system								-	-	-	-	-
2.11.4. Prepare Lockout-Tag-out tags								-	-	-	-	-

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
2.11.5. Fall Restraint System								-	-	-	-	-
2.11.6. Lighting System								-	-	-	-	-
2.11.7. Air Compressors								-	-	-	-	-
2.11.8. Overhead Crane Systems								-	-	-	-	-
2.11.9. Aircraft Power Generators								-	-	-	-	-
2.11.10. Video Monitoring System								-	-	-	-	-
2.12. INSPECT/USE AEROSPACE GROUND EQUIPMENT TR: Applicable TOs												
2.12.1. Centralized Aircraft Support System (CASS) TR: Applicable TOs								-	-	-	-	-
2.12.2. Fuel bowzers								-	-	-	-	-
2.12.3. 8 bottle nitrogen cart TR: TO 35D29-8-3-1								-	-	-	-	-
2.12.4. Self Generating Nitrogen Servicing Cart (SGNSC) TR: 35D29-7-6-1								-	-	-	-	-
2.12.5. HDU-13 Heater TR: TO 35E7-6-9-21								-	-	b	-	-
2.12.6. Maintenance stands												
2.12.6.1. B-1 TR: TO 35A4-2-3-51								b	-	a	-	-
2.12.6.2. B-2 TR: TO 35A4-2-3-11								-	-	a	-	-
2.12.6.3. B-4A TR: TO 35A4-2-5-1								b	-	a	-	-
2.12.6.4. B-5A TR: TO 35A4-2-6-1								-	-	a	-	-
2.12.6.5. B7-16 TR: TO 35D34-26-1								-	-	a	-	-
2.12.6.6. Universal diesel powered (scissor stand) TR: TO 35A4-2-60-1								-	-	-	-	-
2.12.6.7. Universal electric (scissor stand) TR: TO 35A4-2-61-1								-	-	-	-	-
2.12.6.8. Platform, servicing (Simon) TR: TO 35D34-31-1								-	-	-	-	-
2.12.7. Powered AGE												
2.12.7.1. Bleed air cart (-95) TR: TO 35D12-2-14-1								-	-	a	-	-

SPECIALTY TRAINING STANDARD

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
2.12.7.2. Generator set, diesel (-86) TR: TO 35C2-3-469-11								-	-	a	-	-
2.12.7.3. Generator Set, diesel (-809)								-	-	a	-	-
2.12.7.4. Generator set (-60) TR: TO 35C2-3-372-1								-	-	a	-	-
2.12.7.5. Air conditioner, diesel driven TR: TO 33C-Series								-	-	a	-	-
2.12.7.6. Compressor, diesel (MC-7) TR: TO 34Y1-244-1								-	-	a	-	-
2.12.7.7. Compressor (MC2A) (Lowpack) TR: TO 34Y1-87-61								-	-	a	-	-
2.12.7.8. New Generation Heater (NGH) Portable Heater (HDU-43) TR: TO 35E7-2-11-21								-	-	a	-	-
2.12.7.9. Light cart TR: 35F5 Series TOs								-	-	a	-	-
2.13. AIRCRAFT GENERAL												
2.13.1. Types of aircraft construction/ Mission Design Series/aircraft familiarization TR: Applicable TOs								A	-	B	-	-
2.13.2. Types and use of hardware TR: TO 1-1A-8								B	-	B	-	-
2.13.3. Fuel systems/hose assemblies/tubing TR: TO 42E1-1-1								B	-	B	-	-
2.13.4. Install and inspect safetying devices (i.e.: Safety wire, safety cable, cotter pin, locknuts) TR: TO 1-1A-8	*							2b	-	b	-	-
2.13.5. Chafing TR: TOs 1-1A-8, 1-1A-14, and 42E-1-1								B	-	B	-	-
2.13.6. Corrosion control TR: TO 1-1-691								B	-	B	-	-
2.13.7. Fundamentals of low observable materials								-	-	A	-	-
2.14. ELECTRICAL CIRCUITS APPLICABLE TO AIRCRAFT FUEL SYSTEMS TR: TO 31-1-141-1 and applicable TOs												
2.14.1. Interpret electrical circuits								-	-	b	-	-
2.14.2. Electrical fundamentals								A	-	B	-	-

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
2.14.3. Check for voltage/power at fuel system components	*							2b	-	b	-	-
2.14.4. Check for continuity of fuel system components	*							2b	-	b	-	-
2.15. FUEL TANK/CELL ENTRY AND CONFINED SPACE PROCEDURES TR: AFOSH Stds 48-137, AFI 91-203; TO 1-1-3 and Applicable Aircraft TOs												
2.15.1. Fuel tank/cell entry procedures (Master Entry Plan)		*						b	-	b	-	-
2.15.2. Determine authorized fuel system repair locations		*						-	-	b	-	-
2.15.3. Perform fuel configuration prior to fuel system maintenance								-	-	b	-	-
2.15.4. Drain fuel cells and tanks	*							b	-	b	-	-
2.15.5. Perform aircraft fuel system tank/cell entry checklist	*							2b	-	b	-	-
2.15.6. Prepare/Install WARNING tags	*							2b	-	b	-	-
2.15.7. Remove/install access doors/panels								2b	-	b	-	-
2.15.8. Remove/install and store fire suppression foam								2b	-	b	-	-
2.15.9. Perform fuel cell/ tank purge procedures	*							2b	-	b	-	-
2.15.10. Perform fuel cell/tank ventilation procedures	*							-	-	-	-	-
2.15.11. Perform tank depuddling procedures	*							b	-	b	-	-
2.15.2. Confined space procedures TR: TO 1-1-3; AFI90-821, AFOSH Std 48-137, AFI 91-203, and applicable aircraft TOs												
2.15.2.1. Perform confined space team member duties	*							2b	-	b	-	-
2.15.2.2. Perform emergency response procedures	*							b	-	b	-	-
2.15.2.3. Develop procedures for confined space entry								-	-	-	-	-
2.15.2.4. Prepare entry permit	*							2b	-	b	-	-
2.15.2.5. Perform confined space atmospheric testing	*							2b	-	b	-	-

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
2.15.2.6. Non-fuel systems personnel training		*						-	-	-	-	-
2.16. INTEGRAL FUEL TANK MAINTENANCE TR: TO 1-1-3 and applicable aircraft TOs												
2.16.1. Integral tank construction features								B	-	B	-	-
2.16.2. Tank and access door/panel sealing methods								B	-	B	-	-
2.16.3. Fuel leak troubleshooting												
2.16.3.1. Perform fuel leak pathanalysis	*							b	-	b	-	-
2.16.3.2. Locate fuel leak exit points	*							2b	-	b	-	-
2.16.3.3. Perform fuel leak evaluation	*							b	-	b	-	-
2.16.3.4. Inspect tank interior for possible leak source	*							2b	-	b	-	-
2.16.3.5. Perform leak source isolation procedures												
2.16.3.5.1 Blowback	*							2b	-	b	-	-
2.16.3.5.2 Dye injection								-	-	b	-	-
2.16.3.5.3 Positive pressurization								2b	-	b	-	-
2.16.3.5.4 Negative pressurization								-	-	b	-	-
2.17. FUEL CELLS TR: TOs 00-85A-03-1, 1-1-3, and Applicable Aircraft TOs												
2.17.1. Fuel cell constructional features								B	-	B	-	-
2.17.2. Prepare fuel cells for storage and shipment								b	-	b	-	-
2.17.3. Remove/install fuel cells								2b	-	b	-	-
2.17.4. Fuel leak troubleshooting												
2.17.4.1. Locate fuel leak exit points								b	-	b	-	-
2.17.4.2. Perform fuel leak evaluation								b	-	b	-	-
2.17.4.3. Inspect cell interior for possible leak source								1a	-	b	-	-
2.17.4.4. Inspect cell exterior for possible leak source exit point								1a	-	b	-	-
2.17.5. Repair fuel cells												
2.17.5.1. Hot patch								-	-	-	-	-
2.17.5.2. Cold patch								-	-	-	-	-
2.17.6. Cell cavities												
2.17.6.1. Inspect cell cavities		*						-	-	-	-	-

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
2.17.6.2. Prepare cell cavities								2b	-	b	-	-
2.17.7. Inspect fuel cells								2b	-	b	-	-
2.17.8. Test fuel cells								2b	-	b	-	-
2.17.9. Inspect installed fuel cells		*						-	-	-	-	-
2.18. GENERAL MAINTENANCE/ PRODUCTION TEAM MAINTENANCE TASKS TR: Applicable Aircraft Technical Orders												
2.18.1. Aircraft tow team member												
2.18.1.1. Perform wing/tail walker duties								-	-	-	-	-
2.18.1.2. Brake operator								-	-	-	-	-
2.18.2. Perform refuel/defuel/transfer team												
2.18.2.1. Fireguard								-	-	-	-	-
2.18.2.2. Panel operator								-	-	-	-	-
2.18.2.3. Remove/install aircraft maintenance access								-	-	-	-	-
2.18.2.4. Perform aircraft marshaling procedures								-	-	-	-	-
2.18.2.5. Perform refuel/defuel supervisor duties								-	-	-	-	-
2.18.3. Maintenance Recovery Team								-	-	-	-	A
2.19. HANDLING OF SEALANTS TR: TO 1-1-3, Applicable Aircraft TOs, and Applicable Material Safety Data Sheet (MSDS)												
2.19.1. Characteristics of sealants								B	-	B	-	-
2.19.2. Prepare structures for sealants	*							2b	-	b	-	-
2.19.3. Mix sealants	*							2b	-	b	-	-
2.19.4. Test mixed sealants	*							2b	-	b	-	-
2.19.5. Apply sealants												
2.19.5.1. With filleting gun								-	-	b	-	-
2.19.5.2. By hand	*							2b	-	b	-	-
2.19.5.3. Inject												

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
2.19.5.3.1 Noncuring								b	-	b	-	-
2.19.5.3.2 Curing								b	-	b	-	-
2.19.6. Inspect applied sealants		*						2b	-	b	-	-
2.19.7. Make temporary repairs								b	-	b	-	-

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GENERAL AIRCRAFT REQUIREMENTS

CFETP 2A6X4, 1 September 2018

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
NOTE 1: This STS is mandatory for all 2A6X4 personnel.												
NOTE 2: Users are responsible for annotating training references to identify current references pending STS revision.												
NOTE 3: All tasks and knowledge identified as training requirements in column 4A will be taught during wartime.												
NOTE 4: Items in column 2 marked with an asterisk (*) identify core tasks.												
3.1. AIRCRAFT GENERAL TR: Applicable TOs												
3.1.1. Perform Aircraft Safe for Maintenance	*							-	-	-	-	-
3.1.2. Safety precautions								-	-	-	-	-
3.1.3. Apply/remove external power	*							-	-	-	-	-
3.1.4. Remove, install, and inspect fuel tubing and couplings. TR: TOs 1-1A-8, 42E-1-1, and applicable TOs								2b	-	-	-	-
3.2. ENGINE FEED AND CROSSFEED SYSTEMS TR: Applicable Aircraft TOs												
3.2.1. System operation								B	-	-	-	B
3.2.2. Perform operational check	*							2b	-	-	-	-
3.2.3. Troubleshoot system		*						-	-	-	-	-
3.2.4. Remove/install components								2b	-	-	-	-
3.2.5. Inspect components		*						-	-	-	-	-
3.3. FUEL JETTISON/DUMP SYSTEM TR: Applicable Aircraft TOs												
3.3.1. System operation								B	-	-	-	B
3.3.2. Perform operational check	*							b	-	-	-	-
3.3.3. Troubleshoot system		*						-	-	-	-	-
3.3.4. Remove/install components								b	-	-	-	-
3.3.5. Inspect components		*						-	-	-	-	-
3.4. TRANSFER SYSTEM TR: Applicable Aircraft TOs												
3.4.1. System operation								B	-	-	-	B
3.4.2. Perform operational check	*							2b	-	-	-	-
3.4.3. Troubleshoot system		*						-	-	-	-	-
3.4.4. Remove/install components								2b	-	-	-	-
3.4.5. Inspect components		*						-	-	-	-	-

GENERAL AIRCRAFT REQUIREMENTS

CFETP 2A6X4, 1 September 2018

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
3.5. GROUND REFUELING AND DEFUELING SYSTEMS TR: Applicable Aircraft TOs												
3.5.1. System operation								B	-	-	-	B
3.5.2. Perform operational check	*							2b	-	-	-	-
3.5.3. Troubleshoot system		*						-	-	-	-	-
3.5.4. Remove/install components								2b	-	-	-	-
3.5.5. Inspect components		*						-	-	-	-	-
3.6. AIR REFUELING RECEIVER SYSTEM TR: Applicable TOs												
3.6.1. System operation								B	-	-	-	B
3.6.2. Perform operational check	*							b	-	-	-	-
3.6.3. Troubleshoot system		*						-	-	-	-	-
3.6.4. Remove/install components								b	-	-	-	-
3.6.5. Inspect components		*						-	-	-	-	-
3.7. MANIFOLD SCAVENGE/DRAIN SYSTEM TR: Applicable TOs												
3.7.1. System operation								B	-	-	-	B
3.7.2. Perform operational check	*							b	-	-	-	-
3.7.3. Troubleshoot system		*						-	-	-	-	-
3.7.4. Remove/install components								b	-	-	-	-
3.7.5. Inspect components		*						-	-	-	-	-
3.8. TANK SCAVENGE SYSTEM TR: Applicable Aircraft TOs												
3.8.1. System operation								B	-	-	-	B
3.8.2. Perform operational check	*							b	-	-	-	-
3.8.3. Troubleshoot system		*						-	-	-	-	-
3.8.4. Remove/install components								b	-	-	-	-
3.8.5. Inspect components		*						-	-	-	-	-
3.9. PRESSURIZATION/VENT SYSTEM TR: Applicable Aircraft TOs												
3.9.1. System operation								B	-	-	-	B

GENERAL AIRCRAFT REQUIREMENTS

CFETP 2A6X4, 1 September 2018

		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
1. Tasks, Knowledge And Technical References		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
		5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
3.9.2.	Perform operational check	*							b	-	-	-	-
3.9.3.	Troubleshoot system		*						-	-	-	-	-
3.9.4.	Remove/install components								2b	-	-	-	-
3.9.5.	Inspect components		*						-	-	-	-	-
3.10.	HEAT EXCHANGER SYSTEM TR: Applicable Aircraft TOs												
3.10.1.	System operation								A	-	-	-	B
3.10.2.	Perform operational check	*							-	-	-	-	-
3.10.3.	Troubleshoot system		*						-	-	-	-	-
3.10.4.	Remove/install components								-	-	-	-	-
3.10.5.	Inspect components		*						-	-	-	-	-
3.11.	FUEL QUANTITY INDICATING SYSTEM TR: Applicable Aircraft TOs												
3.11.1.	System operation								A	-	-	-	B
3.11.2.	Remove/install tank components								2b	-	-	-	-
3.11.3.	Perform Operational checkout	*							-	-	-	-	-
3.11.4.	Troubleshoot System		*						-	-	-	-	-
3.11.5.	Inspect tank components		*						-	-	-	-	-
3.12.	EXTERNAL FUEL TANK MAINTENANCE TR: Applicable Equipment TOs												
3.12.1.	Issue/receive external tanks								-	-	-	-	-
3.12.2.	Perform certification checks	*							-	-	-	-	-
3.12.3.	Troubleshoot external fuel tanks		*						-	-	-	-	-
3.12.4.	Remove/install components								-	-	-	-	-
3.12.5.	Inspect components		*						-	-	-	-	-
3.12.6.	Pressure check removed external fuel tanks								-	-	-	-	-

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A-10 Requirements

CFETP 2A6X4, 1 September 2018

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
4. A-10												
4.1. A-10 AIRCRAFT GENERAL TR: 1A-10()-2-1-1, 1A-10()-2- 28JG												
4.1.1. Perform Aircraft Safe for Maintenance	*							-	-	-	-	-
4.1.2. SafetyPrecautions								-	-	-	-	-
4.1.3. Apply/Remove External Power	*							-	-	-	-	-
4.1.4. Remove, Install, and Inspect Fuel Tubing and Couplings								-	-	-	-	-
4.2. ENGINE FEED AND CROSSFEED SYSTEMS TR: Aircraft TO 1A-10()-2-1-1, 1A-10()-2-28MS-1, 1A-10()-2-28JG-1 and 1A-10()-2-28TS-1												
4.2.1. System Operation								-	-	-	-	-
4.2.2. Perform Operational Check												
4.2.2.1. Boost Pumps	*							-	-	-	-	-
4.2.2.2. Direct Current Pump	*							-	-	-	-	-
4.2.2.3. Crossfeed Valves	*							-	-	-	-	-
4.2.2.4. Engine ShutoffValves	*							-	-	-	-	-
4.2.2.5. Tank Gate Valve	*							-	-	-	-	-
4.2.2.6. Dual Float Check Valve	*							-	-	-	-	-
4.2.3. TroubleshootSystem												
4.2.3.1. Main Tank Boost Pump		*						-	-	-	-	-
4.2.3.2. Wing BoostPump		*						-	-	-	-	-
4.2.3.3. Direct Current Pump		*						-	-	-	-	-
4.2.3.4. Engine Feed/Boost Pump Pressure Lights		*						-	-	-	-	-
4.2.3.5. Crossfeed Valves		*						-	-	-	-	-
4.2.3.6. Engine ShutoffValves		*						-	-	-	-	-
4.2.3.7. Tank Gate Valve		*						-	-	-	-	-
4.2.4. Remove/Install Components												
4.2.4.1. Boost Pumps								-	-	-	-	-

A-10 Requirements

CFETP 2A6X4, 1 September 2018

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
4.2.4.2. Direct Current Pump								-	-	-	-	-
4.2.4.3. Crossfeed Valves								-	-	-	-	-
4.2.4.4. Crossfeed/ Engine Feed Valve Actuator								-	-	-	-	-
4.2.4.5. Engine Shutoff Valves								-	-	-	-	-
4.2.4.6. Tank Gate Valve								-	-	-	-	-
4.2.4.7. Dual Float Check Valve								-	-	-	-	-
4.2.4.8. Left/Right Pressure Switch								-	-	-	-	-
4.2.5. Inspect Components		*						-	-	-	-	-
4.3. GROUND TRANSFER SYSTEM TR: Aircraft TO 1A-10()-2-1-1, 1A-10()-2-28MS-1, 1A-10()-2-28JG and 1A-10()-2-28TS-1												
4.3.1. System Operation								-	-	-	-	-
4.3.2. Perform Operational Check												
4.3.2.1. Transfer Between Main Tanks and Wing Tanks	*							-	-	-	-	-
4.3.2.2. Transfer External Tanks	*							-	-	-	-	-
4.3.3. Perform External Fuel Tank Checkout using Pre-installation Tester								-	-	-	-	-
4.4. GROUND REFUELING AND DEFUELING SYSTEMS TR: Aircraft TO 1A-10()-2-1-1, 1A-10()-2-28MS-1, 1A-10()-2-28JG and 1A-10()-2-28TS-1												
4.4.1. Fuel System												
4.4.1.1. System Operation								-	-	-	-	-
4.4.1.2. Perform Defuel								-	-	-	-	-
4.4.1.3. Perform Refuel								-	-	-	-	-
4.4.2. Perform Operational Check												
4.4.2.1. Main Tank Refuel System	*							-	-	-	-	-
4.4.2.2. Internal Wing Tank Refuel System	*							-	-	-	-	-
4.4.2.3. External Tank Refuel System	*							-	-	-	-	-
4.4.2.4. Defuel System	*							-	-	-	-	-

A-10 Requirements

CFETP 2A6X4, 1 September 2018

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
4.4.3. Troubleshoot System												
4.4.3.1. Main Tank Refuel System		*						-	-	-	-	-
4.4.3.2. Internal Wing Tank Refuel System		*						-	-	-	-	-
4.4.3.3. External Tank Refuel System		*						-	-	-	-	-
4.4.3.4. Defuel System		*						-	-	-	-	-
4.4.4. Remove/Install Components												
4.4.4.1. Main Tank Refuel Shutoff Valve								-	-	-	-	-
4.4.4.2. Main Tank Refuel Pilot Valve								-	-	-	-	-
4.4.4.3. Internal Wing Tank Refuel Shutoff Valve								-	-	-	-	-
4.4.4.4. Internal Wing Tank Pilot Valve								-	-	-	-	-
4.4.4.5. External Fuel Tank Shutoff Valve								-	-	-	-	-
4.4.4.6. Defuel Shutoff Valve								-	-	-	-	-
4.4.4.7. Single Point Refueling Adapter and Cap								-	-	-	-	-
4.4.5. Inspect Components		*						-	-	-	-	-
4.5. UNIVERSAL AERIAL REFUELING RECEPTACLE SLIPWAY INSTALLATION (UARRSI) TR: 1A-10()-2-1-1, 1A-10()-2-28MS-1, 1A-10()-2-28TS-1 and 1A-10()-2-28JG-3												
4.5.1. System Operation								-	-	-	-	-
4.5.2. Perform UARRSI Operational Check	*							-	-	-	-	-
4.5.3. UARRSI Manifold/Line Purge Check	*							-	-	-	-	-
4.5.4. Troubleshoot System												
4.5.4.1. UARRSI System		*						-	-	-	-	-
4.5.4.2. Manifold Purge		*						-	-	-	-	-
4.5.5. Remove/Install Components												
4.5.5.1. UARRSI Assembly								-	-	-	-	-
4.5.5.2. Door/Skid Plate Assembly								-	-	-	-	-
4.5.5.3. Line Purge Solenoid Valve								-	-	-	-	-

A-10 Requirements

CFETP 2A6X4, 1 September 2018

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
4.5.6. Inspect Components		*						-	-	-	-	-
4.6. PRESSURIZATION/VENT SYSTEM TR: Aircraft TO 1A-10()-2-1-1, 1A-10()-2-28JG, 1A-10()-2-28TS-1, and 1A-10()-2-28MS-1												
4.6.1. System Operation								-	-	-	-	-
4.6.2. Perform Moisture Removal Checkout	*							-	-	-	-	-
4.6.3. Troubleshoot System												
4.6.3.1. External Pressurization		*						-	-	-	-	-
4.6.3.2. Venting Fuel Overboard		*						-	-	-	-	-
4.6.4. Remove/Install Components												
4.6.4.1. External Vent/Pressurization Valves								-	-	-	-	-
4.6.4.2. External Vent/Pressurization Check Valves								-	-	-	-	-
4.6.4.3. Air Pressure Regulator								-	-	-	-	-
4.6.4.4. Wing Float Vent Valves (Dive)								-	-	-	-	-
4.6.4.5. Vent Tank Assembly								-	-	-	-	-
4.6.5. Inspect Components		*						-	-	-	-	-
4.7. FUEL QUANTITY INDICATING SYSTEM TR: Aircraft TO 1A-10()-2-1-1, 1A-10()-2-28JG-5 and 1A-10()-2-28MS-1												
4.7.1. System Operation								-	-	-	-	-
4.7.2. Remove/Install Components												
4.7.2.1. Main Tank Probes								-	-	-	-	-
4.7.2.2. Internal Wing Tank Probes								-	-	-	-	-
4.7.2.3. Internal Wing Tank Wiring								-	-	-	-	-
4.7.3. Inspect Components		*						-	-	-	-	-
4.8. EXTERNAL FUEL TANK MAINTENANCE TR: Tank TO 1A-10()-2-28JG-4 6J14-2-29-2, 6J14-2-37-3, and 1A-10()-2-28TS-1												
4.8.1. Perform Certification Checks								-	-	-	-	-
4.8.2. Troubleshoot External Fuel Tanks								-	-	-	-	-

A-10 Requirements

CFETP 2A6X4, 1 September 2018

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
4.8.3. Remove/Install Components								-	-	-	-	-
4.8.4. Inspect Tank and Components		*						-	-	-	-	-
4.8.5. Pressure Check Removed External Fuel Tanks								-	-	-	-	-
4.9. INTEGRAL WING TANKS TR: TO 1A-10()-3-1, 1A-10()- 2-1, 1A-10()-4-51, and 1-1-3												
4.9.1. Perform Injection Repair of Wing Tanks								-	-	-	-	-
4.9.2. Perform Hollow Bolt Injection								-	-	-	-	-
4.9.3. Remove/Install Tank Drains								-	-	-	-	-

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B-1B Requirements

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
NOTE 1: This STS is mandatory if trainee is required to maintain the B-1B aircraft.												
NOTE 2: Items in column 2 marked with an asterisk (*) identify core tasks.												
5.1. B-1B AIRCRAFT GENERAL TR: 1B-1B-2-28GS-00-1												
5.1.1. B-1B Safety Precautions								-	-	-	-	-
5.1.2. Perform Aircraft Safe For Maintenance	*							-	-	-	-	-
5.1.3. AIRCRAFT BATTERIES TR: 1B-1B-2-24JG-30-1												
5.1.3.1. Connect/Disconnect	*							-	-	-	-	-
5.1.3.2. Perform Operational check	*							-	-	-	-	-
5.1.4. Apply/Remove Ground Power and Cooling Air	*							-	-	-	-	-
5.1.5. Remove, Inspect, and Install Fuel System Tubing and Fuel Couplings								-	-	-	-	-
5.1.6. PROXIMITY SWITCH CONTROL (SIM AIRBORNE) TR: 1B-1B-2-05JG-10-1												
5.1.6.1. Locations								-	-	-	-	-
5.1.6.2. Cover/Uncover	*							-	-	-	-	-
5.1.6.3. Identify guarded switches TR: 1B-1B-2-05JG-20-1								-	-	-	-	-
5.1.7. Power Control Assembly (PCA) TR: 1B-1B-2-24JG-50-1												
5.1.7.1. Identify operational checks								-	-	-	-	-
5.1.7.2. Perform operational checks								-	-	-	-	-
5.2. CENTRAL INTEGRATED TEST SYSTEM (CITS) TR: 1B-1B-2-28GS-00-1 and 1B-1B-2-46GS-00-1												
5.2.1. System Operation								-	-	-	-	-
5.2.2. Operate CITS Panel	*							-	-	-	-	-
5.2.3. Troubleshoot Using CITS		*						-	-	-	-	-
5.2.4. Analyze CITS Data		*						-	-	-	-	-
5.2.5. Retrieve CITS Deployable Diagnostic System (CDDS) Data		*						-	-	-	-	-

B-1B Requirements

CFETP 2A6X4, 1 September 2018

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
5.3. ELECTRICALMULTIPLEX (EMUX) SYSTEM FAMILIARIZATION TR: 1B-1B-2-92GS-00-1												
5.3.1. Principles								-	-	-	-	-
5.3.2. Schematics								-	-	-	-	-
5.3.3. AND/OR Gates								-	-	-	-	-
5.3.4. Inverters								-	-	-	-	-
5.4. ENGINE FEED SYSTEM TR: 1B-1B-2-28GS-00-1 (28-23-00)												
5.4.1. System Operation								-	-	-	-	-
5.4.2. Perform Operational Check												
5.4.2.1. Fuel Boost Pumps	*							-	-	-	-	-
5.4.2.2. Fuel Crossfeed Valve	*							-	-	-	-	-
5.4.2.3. Fuel Isolation Valve	*							-	-	-	-	-
5.4.2.4. Cooling Loop Isolation Valve	*							-	-	-	-	-
5.4.2.5. Firewall Shutoff Valve	*							-	-	-	-	-
5.4.2.6. APU Shutoff Valve	*							-	-	-	-	-
5.4.2.7. Cooling Loop Bypass Valve	*							-	-	-	-	-
5.4.2.8. Air Induction Valve								-	-	-	-	-
5.4.3. Troubleshoot System		*						-	-	-	-	-
5.4.4. Remove/Install Components												
5.4.4.1. Airframe Mass Fuel Flow Meters								-	-	-	-	-
5.4.4.2. Fuel Boost Pumps	*							-	-	-	-	-
5.4.4.3. Fuel Crossfeed Valve Body/Actuator								-	-	-	-	-
5.4.4.4. Fuel Isolation Valve Body/Actuator								-	-	-	-	-
5.4.4.5. Cooling Loop Isolation Valve Body/Actuator								-	-	-	-	-
5.4.4.6. Firewall Shutoff Valve Body/Actuator								-	-	-	-	-
5.4.4.7. APU Shutoff Valve Body/Actuator								-	-	-	-	-

B-1B Requirements

CFETP 2A6X4, 1 September 2018

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
5.4.4.8. Cooling Loop Bypass Valve Body/Actuator								-	-	-	-	-
5.4.4.9. Air Induction Valve Body/Actuator								-	-	-	-	-
5.4.4.10. Flapper Check Valves								-	-	-	-	-
5.4.5. InspectComponents		*						-	-	-	-	-
5.5. FUELJETTISON/DUMP SYSTEM TR: 1B-1B-2-28GS-00-1 (28-30-00)												
5.5.1. System Operation								-	-	-	-	-
5.5.2. Perform Operational Check	*							-	-	-	-	-
5.5.3. TroubleshootSystem		*						-	-	-	-	-
5.5.4. Remove/Install Dump Valve Body/Actuator								-	-	-	-	-
5.5.5. InspectComponents		*						-	-	-	-	-
5.6. TRANSFER SYSTEM TR: 1B-1B-2-28GS-00-1 (28-21-00)												
5.6.1. System Operation								-	-	-	-	-
5.6.2. Perform Operational Check												
5.6.2.1. Transfer Pump	*							-	-	-	-	-
5.6.2.2. Scavenge Pump	*							-	-	-	-	-
5.6.2.3. Discrete Fuel Flow Sensor	*							-	-	-	-	-
5.6.2.4. Ballast Tank Isolation Valve	*							-	-	-	-	-
5.6.3. TroubleshootSystem		*						-	-	-	-	-
5.6.4. Remove/InstallComponents												
5.6.4.1. Transfer Pump	*							-	-	-	-	-
5.6.4.2. Scavenge Pump								-	-	-	-	-
5.6.4.3. Discrete Fuel Flow Sensor								-	-	-	-	-
5.6.4.4. Ballast Tank Isolation Valve Body/Actuator								-	-	-	-	-
5.6.4.5. Transfer/Vent Pivot Tube								-	-	-	-	-
5.6.5. Rebuild Transfer/Vent Pivot Tube								-	-	-	-	-
5.6.6. InspectComponents		*						-	-	-	-	-

B-1B Requirements

CFETP 2A6X4, 1 September 2018

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
5.7. GROUND REFUELING/DEFUELING SYSTEMS TR: 1B-1B-2-28GS-00-1 (28-22-00)												
5.7.1. System Operation								-	-	-	-	-
5.7.2. Perform Operational Check												
5.7.2.1. Pilot Valve	*							-	-	-	-	-
5.7.2.2. Pilot Valve Solenoids	*							-	-	-	-	-
5.7.2.3. Ground Refuel/Defuel Valve	*							-	-	-	-	-
5.7.2.4. Fuel Level Control Valve	*							-	-	-	-	-
5.7.3. Troubleshoot System		*						-	-	-	-	-
5.7.4. Remove/Install Components												
5.7.4.1. Pilot Valve								-	-	-	-	-
5.7.4.2. Pilot Valve Solenoids								-	-	-	-	-
5.7.4.3. Ground Refuel/Defuel Valve Body/Actuator								-	-	-	-	-
5.7.4.4. Fuel Level Control Valve								-	-	-	-	-
5.7.4.5. Single Point Refueling Receptacle								-	-	-	-	-
5.7.5. Inspect Components		*						-	-	-	-	-
5.8. AIR REFUELING (A/R) RECEIVER SYSTEM (UARRSI) TR: 1B-1B-2-28GS-00-1 (28-25-00)												
5.8.1. System Operation								-	-	-	-	-
5.8.2. Perform Operational Check	*							-	-	-	-	-
5.8.3. Troubleshoot System		*						-	-	-	-	-
5.8.4. Remove/Install Components												
5.8.4.1. Universal A/R Receptacle								-	-	-	-	-
5.8.4.2. A/R Line Coupling								-	-	-	-	-
5.8.4.3. A/R Line Pressure Switch								-	-	-	-	-
5.8.4.4. EMP Device								-	-	-	-	-
5.8.4.5. A/R Signal Amplifier								-	-	-	-	-
5.8.4.6. Reverse A/R Refuel Valve Body/Actuator								-	-	-	-	-

B-1B Requirements

CFETP 2A6X4, 1 September 2018

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
5.8.4.7. Teflon and Rubber Seals								-	-	-	-	-
5.8.4.8. Receptacle Sleeve								-	-	-	-	-
5.8.4.9. Induction Coil								-	-	-	-	-
5.8.5. Inspect Components		*						-	-	-	-	-
5.8.6. Aerial Refueling lighting power supply								-	-	-	-	-
5.9. PRESSURIZATION/VENT SYSTEM TR: 1B-1B-2-28GS-00-1 (28-11-00)												
5.9.1. System Operation								-	-	-	-	-
5.9.2. Perform Operational Check												
5.9.2.1. Pressure Actuated Vent Valve	*							-	-	-	-	-
5.9.2.2. Emergency Pressure Actuated Vent Valve	*							-	-	-	-	-
5.9.3. Troubleshoot System		*						-	-	-	-	-
5.9.4. Remove/Install Components												
5.9.4.1. Pressure Actuated Vent Valve								-	-	-	-	-
5.9.4.2. Emergency Pressure Actuated Vent Valve								-	-	-	-	-
5.9.4.3. Climb Pilot Valve								-	-	-	-	-
5.9.4.4. Dive Pilot Valve								-	-	-	-	-
5.9.5. Inspect Components		*						-	-	-	-	-
5.10. FUEL COOLING LOOP SYSTEM TR: 1B-1B-2-28GS-00-1 (28-24-00)												
5.10.1. System Operation								-	-	-	-	-
5.10.2. Perform Operational Check												
5.10.2.1. Cooling Loop Pumps	*							-	-	-	-	-
5.10.2.2. Cooling Loop Crossover Valve	*							-	-	-	-	-
5.10.2.3. Cooling Loop Return Valve	*							-	-	-	-	-
5.10.3. Troubleshoot System		*						-	-	-	-	-
5.10.4. Remove/Install Components												
5.10.4.1. Cooling Loop Pumps	*							-	-	-	-	-

B-1B Requirements

CFETP 2A6X4, 1 September 2018

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
5.10.4.2. Cooling Loop Crossover Valve Body/Actuator								-	-	-	-	-
5.10.4.3. Cooling Loop Return Valve Body/Actuator								-	-	-	-	-
5.10.4.4. Cooling Loop Filter								-	-	-	-	-
5.10.4.5. Heat Exchangers								-	-	-	-	-
5.10.4.6. Flapper Check Valves								-	-	-	-	-
5.10.5. Inspect Components		*						-	-	-	-	-
5.11. FUEL CENTER OF GRAVITY MANAGEMENT SYSTEM (FCGMS) TR: 1B-1B-2-28GS-00-1 (28-51-00)												
5.11.1. System Operation								-	-	-	-	-
5.11.2. Remove/Install Components												
5.11.2.1. Fuel Probes								-	-	-	-	-
5.11.2.2. Wire Harnesses								-	-	-	-	-
5.11.3. Inspect Components		*						-	-	-	-	-
5.12. WEAPONS BAY FUEL TANKS TR: 6J14-7-6-2												
5.12.1. System Operation								-	-	-	-	-
5.12.2. Perform Operational Check								-	-	-	-	-
5.12.3. Troubleshoot System		*						-	-	-	-	-
5.12.4. Remove/Install Components												
5.12.4.1. Vent Stand Pipe								-	-	-	-	-
5.12.4.2. Pumps								-	-	-	-	-
5.12.4.3. Fuel Quantity Probes								-	-	-	-	-
5.12.4.4. Pilot Valve								-	-	-	-	-
5.12.4.5. Fuel Level Control Valve								-	-	-	-	-
5.12.5. Overhaul Vent Stand Pipe								-	-	-	-	-
5.12.6. Inspect Components		*						-	-	-	-	-

B-1B Requirements

CFETP 2A6X4, 1 September 2018

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
5.13. INTEGRAL FUEL TANK REPAIR TR: 1-1-3 and 1B-1B-2-28GS- 00-1												
5.13.1. Perform Injection Repair of Wing Tanks								-	-	-	-	-
5.13.2. Perform Hollow Bolt Injection								-	-	-	-	-
5.13.3. Remove/Install Tank Drains								-	-	-	-	-
5.13.4. Use Technical Support Center (TSC) to Document Fuel Leaks	*							-	-	-	-	-

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B-2 Requirements

CFETP 2A6X4, 1 September 2018

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
NOTE 1: This STS is mandatory if trainee is required to maintain the B-2 aircraft. NOTE 2: Items in column 2 marked with an asterisk (*) identify core tasks.												
6. B-2												
6.1. B-2 AIRCRAFT GENERAL												
6.1.1. Safety Precautions TR: 1B-2A-2-01JG-00-1								-	-	-	-	-
6.1.2. Remove/Inspect/Install Fuel Tubing and Couplings TR: 1B-2A-2-28JG-00-1, 28-00-00								-	-	-	-	-
6.1.3. Hardness Critical Procedures (HCP) TR: 1B-2A-2-01JG-10-1	*							-	-	-	-	-
6.1.4. Low Observable Critical Procedures TR: 1B-2A-2-01JG-60-2								-	-	-	-	-
6.1.5. Electrostatic Discharge Procedures (ESD) TR: 1B-2A-2-01JG-00-1								-	-	-	-	-
6.1.6. Operate Intercommunication System (ICS) TR: 1B-2A-2-05JG-10-1								-	-	-	-	-
6.1.7. Apply/Remove Aircraft Power TR: 1B-2A-2-05JG-10-1	*							-	-	-	-	-
6.1.8. Apply/Remove Cooling Air TR: 1B-2A-2-05JG-10-1	*							-	-	-	-	-
6.1.9. Operate On Board Maintenance Printer (OBMP) TR: 1B-2A-2-28GS-00-1								-	-	-	-	-
6.1.10. Use OBTS Processor (OGP) Reports for Fault Isolation of System Malfunction TR: 1B-2A-2-28GS-00-1								-	-	-	-	-
6.1.11. Perform FMMS Ground Readiness Test (IBITS) TR: 1B-2A-2-40JG-10-1, 40-10-28-1								-	-	-	-	-
6.1.12. Perform Aircraft Safe for Maintenance TR: 1B-2A-05JG-20-1, 05-21-01	*							-	-	-	-	-

B-2 Requirements

CFETP 2A6X4, 1 September 2018

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
6.2. ENGINE FEED AND CROSSFEED SYSTEMS TR: 1B-2A-2-28JG-20-2,3,4												
6.2.1. System Operation								-	-	-	-	-
6.2.2. Perform Operational Check TR: 1B-2A-2-28JG-20-2												
6.2.2.1. Engine Fuel Pumps	*							-	-	-	-	-
6.2.2.2. Transfer Pumps	*							-	-	-	-	-
6.2.2.3. Override Pumps	*							-	-	-	-	-
6.2.3. Perform Gravity Drain Checkout TR: 28-24-101								-	-	-	-	-
6.2.4. Troubleshoot System		*						-	-	-	-	-
6.2.5. Remove/Install Components TR: 1B-2A-2-28JG-20-2,3,4												
6.2.5.1. Pumps/Motors/Impellers TR: 28-24-101								-	-	-	-	-
6.2.5.2. Valve Actuator TR: 28-24-115								-	-	-	-	-
6.2.5.3. Pressure switch TR: 28-24-111								-	-	-	-	-
6.2.5.4. Boost Pump Housing TR: 28-24-129								-	-	-	-	-
6.2.6. Inspect Components		*						-	-	-	-	-
6.3. FUEL JETTISON/DUMP SYSTEM TR: 1B-2A-28JG-30-1												
6.3.1. System Operation								-	-	-	-	-
6.3.2. Perform Operational Check TR: 28-30-1	*							-	-	-	-	-
6.3.3. Troubleshoot System		*						-	-	-	-	-
6.3.4. Remove/Install Components TR: 1B-2A-2-28JG-20-2,3,4												
6.3.4.1. Dump Valve Body TR: 28-31-105								-	-	-	-	-
6.3.4.2. Dump Valve Actuator TR: 28-31-101								-	-	-	-	-
6.3.4.3. Adapter Shaft TR: 28-31-103								-	-	-	-	-

B-2 Requirements

CFETP 2A6X4, 1 September 2018

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
6.3.5. Inspect Components		*						-	-	-	-	-
6.4. TRANSFER SYSTEM TR: 1B-2-28JG-20-2,3,4												
6.4.1. System Operation								-	-	-	-	-
6.4.2. Perform Operational Check TR: 28-00-15	*							-	-	-	-	-
6.4.3. Troubleshoot System		*						-	-	-	-	-
6.4.4. Remove/Install Components TR: 1B-2A-2-28JG-20-2,3,4												
6.4.4.1. Actuator TR: 28-24-125								-	-	-	-	-
6.4.4.2. Aux/Override Pump Housing TR: 28-24-133								-	-	-	-	-
6.4.4.3. Main Tank Transfer Pump Housing TR: 28-24-145								-	-	-	-	-
6.4.4.4. Crossfeed Valve Body TR: 28-24-145								-	-	-	-	-
6.4.4.5. Transfer/Override Pump/Motor/Impeller TR: 28-24-111								-	-	-	-	-
6.4.4.6. Pump Pressure Switch TR: 28-24-111								-	-	-	-	-
6.4.4.7. Valve Body TR: 28-24-121								-	-	-	-	-
6.4.4.8. Valve Drive Shaft TR: 28-24-107								-	-	-	-	-
6.4.4.9. Siphon Feed Check Valve TR: 28-24-107								-	-	-	-	-
6.4.4.10. Crossfeed Actuator TR: 28-24-143								-	-	-	-	-
6.4.5. Inspect Components		*						-	-	-	-	-
6.5. GROUND REFUELING AND DEFUELING SYSTEMS TR: 1B-2A-2-28JG-20-1,2												
6.5.1. System Operation								-	-	-	-	-
6.5.2. Perform Operational Check TR: 28-21-01	*							-	-	-	-	-

B-2 Requirements

CFETP 2A6X4, 1 September 2018

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
6.5.3. Troubleshoot System		*						-	-	-	-	-
6.5.4. Remove/Install Components TR: 1B-2A-2-28JG-20-1,2												
6.5.4.1. Fuel Level Control Actuator TR: 28-21-103								-	-	-	-	-
6.5.4.2. Precheck Solenoid Valve TR: 28-21-141								-	-	-	-	-
6.5.4.3. Valve Body TR: 28-21-135								-	-	-	-	-
6.5.4.4. Ground Refuel Receptacle Assemblies TR: 28-21-115								-	-	-	-	-
6.5.4.5. Pilot Valve TR: 28-21-107								-	-	-	-	-
6.5.4.6. Actuator TR: 28-21-121								-	-	-	-	-
6.5.4.7. Secondary Level Shutoff Valve TR: 28-21-109								-	-	-	-	-
6.5.5. Inspect Components		*						-	-	-	-	-
6.6. AIR REFUELING SYSTEM TR: 1B-2A-2-28JG-20-5,6												
6.6.1. System Operation								-	-	-	-	-
6.6.2. Perform Operational Check TR: 28-27-03	*							-	-	-	-	-
6.6.3. Troubleshoot System		*						-	-	-	-	-
6.6.4. Remove/Install Components TR: 1B-2A-2-28JG-20-5,6												
6.6.4.1. Limit Switches TR: 28-27-137								-	-	-	-	-
6.6.4.2. Check Valves TR: 28-27-103								-	-	-	-	-
6.6.4.3. Canopy TR: 28-27-101								-	-	-	-	-
6.6.4.4. Receptacle TR: 28-27-101								-	-	-	-	-
6.6.4.5. Pressure Disconnect Switch TR: 28-27-113								-	-	-	-	-

B-2 Requirements

CFETP 2A6X4, 1 September 2018

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
6.6.4.6. Poppet/Seal/Sleeve TR: 28-27-133								-	-	-	-	-
6.6.4.7. Induction Coil TR: 28-27-135								-	-	-	-	-
6.6.4.8. EMP Filter TR: 28-27-139								-	-	-	-	-
6.6.4.9. Signal Amplifier TR: 28-27-141								-	-	-	-	-
6.6.4.10. Slipway Assembly TR: 28-27-101								-	-	-	-	-
6.6.5. Inspect Components		*						-	-	-	-	-
6.7. MANIFOLD SCAVENGE/DRAINSYSTEM TR: 1B-2A-2-28JG-20-1,6,7												
6.7.1. System Operation								-	-	-	-	-
6.7.2. Perform Operational Check	*							-	-	-	-	-
6.7.3. Troubleshoot System		*						-	-	-	-	-
6.7.4. Remove/Install Flight Scavenge Jet Pump TR: 28-00-00								-	-	-	-	-
6.7.5. Inspect Components		*						-	-	-	-	-
6.8. TANK SCAVENGE SYSTEM TR: 1B-2A-2-28JG-20-7												
6.8.1. System Operation								-	-	-	-	-
6.8.2. Perform Operational Check TR: 28-20-6	*							-	-	-	-	-
6.8.3. Troubleshoot System		*						-	-	-	-	-
6.8.4. Remove/Install Components TR: 1B-2A-2-28JG-20-6,7												
6.8.4.1. Scavenge Pump TR: 28-28-101								-	-	-	-	-
6.8.4.2. Selector Valves TR: 28-28-105/107								-	-	-	-	-
6.8.4.3. Surge Tank Level Switch TR: 28-28-111								-	-	-	-	-
6.8.4.4. Scavenge Pump Housing TR: 28-28-113								-	-	-	-	-
6.8.4.5. Tank Scavenge Jet Pump TR: 28-00-00								-	-	-	-	-

B-2 Requirements

CFETP 2A6X4, 1 September 2018

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
6.8.5. Inspect Components		*						-	-	-	-	-
6.9. VENT SYSTEM TR: 1B-2A-2-28JG-40-1, and -2												
6.9.1. System Operation								-	-	-	-	-
6.9.2. Perform Operational Check	*							-	-	-	-	-
6.9.3. Troubleshoot System		*						-	-	-	-	-
6.9.4. Remove/Install Components TR: 1B-2A-2-28JG-10-1												
6.9.4.1. Vent Drain Valve TR: 28-00-00								-	-	-	-	-
6.9.4.2. Float Valve TR: 28-00-00								-	-	-	-	-
6.9.4.3. Gravity Fill Port TR: 28-11-103								-	-	-	-	-
6.9.4.4. Vent/Dump Outlet TR: 28-11-105								-	-	-	-	-
6.9.4.5. Vent and Control Valve Assembly TR: 28-11-101								-	-	-	-	-
6.9.4.6. Vent Crossfeed Actuator TR: 28-15-107								-	-	-	-	-
6.9.4.7. ASC Tank Pressure Switch TR: 28-15-109								-	-	-	-	-
6.9.4.8. Vent Crossfeed Valve Body TR: 28-15-113								-	-	-	-	-
6.9.5. Inspect Components		*						-	-	-	-	-
6.10. FUEL QUANTITY INDICATING SYSTEM TR: 1B-2A-2-28JG-40-1,2												
6.10.1. System Operation TR: 28-40-01								-	-	-	-	-
6.10.2. Remove/Install Tank Components TR: 1B-2A-28JG40-1/2												
6.10.2.1. Segmented Fuel Quantity Sensor TR: 28-42-113								-	-	-	-	-
6.10.2.2. Main Tank Fuel Level Switch TR: 28-42-103								-	-	-	-	-
6.10.2.3. Compensator TR: 28-42-107								-	-	-	-	-

B-2 Requirements

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
6.10.2.4. Fuel Quantity Sensor TR: 28-42-109								-	-	-	-	-
6.10.3. Inspect Components		*						-	-	-	-	-
6.11. TEMPERATURE CONTROL FUEL MIXING SYSTEM TR: 1B-2A-28JG-20-4/5, 28JG-40-1, 29JG-10-1, and 83JG-50-1												
6.11.1. System Operation TR: 1B-2A-2-28GS-00-1								-	-	-	-	-
6.11.2. Perform Operational Check TR: 1B-2A-2-28JG-20-4, 28- 26-01, and 28-42-119-1												
6.11.2.1. Cooling Loop	*							-	-	-	-	-
6.11.2.2. 3-Way Cooling Valve	*							-	-	-	-	-
6.11.2.3. Temperature Control Valve	*							-	-	-	-	-
6.11.2.4. Mix Control Valve	*							-	-	-	-	-
6.11.2.5. AMAD differential pressure transducer	*							-	-	-	-	-
6.11.3. Troubleshoot System		*						-	-	-	-	-
6.11.4. Remove/Install Components TR: 1B-2A-2-28JG-4/5, 83JG-50-1, 29JG-10-1, and 28JG-40-2												
6.11.4.1. Cooling Valve Actuator TR: 28-26-101								-	-	-	-	-
6.11.4.2. Temp/Mix Control Valve Actuator TR: 28-26-103								-	-	-	-	-
6.11.4.3. Ambient Pressure Transducer TR: 28-20-00								-	-	-	-	-
6.11.4.4. AMAD Differential Pressure Transducer TR: 28-42-119								-	-	-	-	-
6.11.4.5. Tank Temperature Sensor TR: 28-42-117								-	-	-	-	-
6.11.4.6. Manifold Temperature Sensor TR: 28-42-117								-	-	-	-	-
6.11.4.7. Heat Exchanger Check-Valve TR: 28-26-105								-	-	-	-	-
6.11.4.8. Adapter Shaft TR: 28-26-109								-	-	-	-	-

B-2 Requirements

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	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
6.11.4.9. Cooling Valve Body TR: 28-26-111								-	-	-	-	-
6.11.4.10. Hydraulic Heat Exchanger TR: 29-11-109								-	-	-	-	-
6.11.4.11. AMAD Oil Heat Exchanger TR: 83-51-101								-	-	-	-	-
6.11.4.12. HX Valve Body TR: 28-26-113								-	-	-	-	-
6.11.4.13. Mixing Valve Body TR: 28-26-115								-	-	-	-	-
6.11.4.14. Temp Control Valve Body TR: 28-26-117								-	-	-	-	-
6.11.5. Inspect Components TR: 1B-2A-2-28JG-4/5, 83JG-50-1, 29JG-10-1, and 28JG-40-2		*						-	-	-	-	-
6.12. FUEL TANK ENTRY TR: TO 1-1-3 and 1B-2A-2-28JG-00-1												
6.12.1. Install/Remove Tank Access Door Rings TR: 1B-2A-2-28JG- 00-1	*							-	-	-	-	-
6.12.2. Install/Remove Inboard Auxiliary Tank Crawl Boards TR: 1B-2A-2-28JG-00-1	*							-	-	-	-	-
6.13. INTEGRAL FUEL TANK MAINTENANCE TR: TO 1-1-3 and 1B-2A-2-28JG-00-1												
6.13.1. Perform Full Wing Pressure Test TR: 1B-2A-2-28JG-00-1	*							-	-	-	-	-
6.13.2. Identify Weep Hole Locations								-	-	-	-	-
6.13.3. Repair Copper Plating								-	-	-	-	-
6.13.4. Repair Kynar	*							-	-	-	-	-
6.13.5. Inspect Kynar		*						-	-	-	-	-

B-52 Requirements

CFETP 2A6X4, 1 September 2018

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
NOTE 1: This STS is mandatory if trainee is required to maintain the B-52 aircraft.												
NOTE 2: Items in column 2 marked with an asterisk (*) identify core tasks.												
7. B-52HAIRCRAFT												
7.1. B-52HAIRCRAFT GENERAL TR: TO 1B-52H-2-5JG-1, 1B-52H-2-5GA-1, and 1B-52H-2-2JG-1												
7.1.1. Perform Aircraft Safe for Maintenance	*							-	-	-	-	-
7.1.2. Safety Precautions								-	-	-	-	-
7.1.3. Apply/Remove External Power	*							-	-	-	-	-
7.1.4. Remove, Install and Inspect Fuel Tubing, Hoses, and Couplings								-	-	-	-	-
7.2. ENGINE FEED AND AUXILIARY FEED SYSTEMS TR: TO 1B-52H-2-5JG-1,-2,-3,-4 and -5, 1B-52H-2-5GA-1												
7.2.1. System Operation								-	-	-	-	-
7.2.2. Perform Fuel Feed System Operational Check	*							-	-	-	-	-
7.2.3. Troubleshoot System												
7.2.3.1. Engine Feed System		*						-	-	-	-	-
7.2.3.2. Auxiliary Feed System		*						-	-	-	-	-
7.2.3.3. Boost Pump		*						-	-	-	-	-
7.2.3.4. Firewall Shutoff Valve		*						-	-	-	-	-
7.2.3.5. Engine Crossfeed/Auxiliary Tank Feed Valve		*						-	-	-	-	-
7.2.3.6. Valves 29/29A		*						-	-	-	-	-
7.2.4. Remove/Install Components												
7.2.4.1. Boost Pump	*							-	-	-	-	-
7.2.4.2. Firewall Shutoff Valve and Actuator	*							-	-	-	-	-
7.2.4.3. Engine Crossfeed/Auxiliary Tank Feed Valves								-	-	-	-	-
7.2.4.4. Valve 29, 29A, and Actuators								-	-	-	-	-
7.2.4.5. Fuel Flow Indicating Switch								-	-	-	-	-
7.2.4.6. Pressure Loaded Check Valves								-	-	-	-	-

B-52 Requirements

CFETP 2A6X4, 1 September 2018

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
7.2.5. Perform Boost Pump Wire Conduit Pressure Check								-	-	-	-	-
7.2.6. Inspect Components		*						-	-	-	-	-
7.3. REFUEL SYSTEM TR: TO 1B-52H-2-5-GA-1, 1B-52H-2-5JG-5 and -6												
7.3.1. System Operation								-	-	-	-	-
7.3.2. Perform Operational Check												
7.3.2.1. Fuel Level Control Valve	*							-	-	-	-	-
7.3.2.2. Main Refuel Valve	*							-	-	-	-	-
7.3.2.3. Defuel Valve	*							-	-	-	-	-
7.3.3. Troubleshoot System		*						-	-	-	-	-
7.3.4. Remove/Install Components												
7.3.4.1. Fuel Level Control Valve								-	-	-	-	-
7.3.4.2. Fuel Level Control Valve Microswitch								-	-	-	-	-
7.3.4.3. Defuel Valve and Actuator								-	-	-	-	-
7.3.4.4. Pressure Switches								-	-	-	-	-
7.3.4.5. Check Valves								-	-	-	-	-
7.3.4.6. Drain Valves								-	-	-	-	-
7.3.4.7. Tolerance Couplings								-	-	-	-	-
7.3.4.8. Single Point Refueling Receptacle								-	-	-	-	-
7.3.5. Inspect Components		*						-	-	-	-	-
7.4. FUEL SCAVENGE SYSTEM TR: TO 1B-52H-2-5GA-1, 1B-52H-2-5JG-6												
7.4.1. System Operation								-	-	-	-	-
7.4.2. Perform Operational Check												
7.4.2.1. Main Manifold Scavenge System	*							-	-	-	-	-
7.4.2.2. Cabin Manifold Scavenge System	*							-	-	-	-	-
7.4.3. Troubleshoot												
7.4.3.1. Main Manifold Scavenge System		*						-	-	-	-	-

B-52 Requirements

CFETP 2A6X4, 1 September 2018

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
7.4.3.2. Cabin Manifold Scavenge System		*						-	-	-	-	-
7.4.4. Remove/Install Components												
7.4.4.1. Scavenge Pump								-	-	-	-	-
7.4.4.2. Float Switch								-	-	-	-	-
7.4.4.3. Manifold Shutoff Valve								-	-	-	-	-
7.4.5. Inspect Components		*						-	-	-	-	-
7.5. TANK, CAVITY VENT, AND DRAIN SYSTEM, TR: TO 1B-52H-2-5GA-1, 1B-52H-2-5JG-1, -6, and -7												
7.5.1. System Operation								-	-	-	-	-
7.5.2. Troubleshoot System		*						-	-	-	-	-
7.5.3. Remove/Install Components												
7.5.3.1. Body Tank Drain Valve								-	-	-	-	-
7.5.3.2. Wing Tank Drain Valve								-	-	-	-	-
7.5.3.3. Boost Pump Drain Valve								-	-	-	-	-
7.5.3.4. Body Tank Float Valves								-	-	-	-	-
7.5.3.5. Wing Tank Float Valves								-	-	-	-	-
7.5.3.6. Wing Tank Vacuum Relief Valves								-	-	-	-	-
7.5.3.7. Wing Tank Pressure Relief Valves								-	-	-	-	-
7.5.3.8. Return Line Check Valves								-	-	-	-	-
7.5.4. Inspect Components		*						-	-	-	-	-
7.6. FUEL QUANTITY INDICATING SYSTEM TR: TO 1B-52H-2-5GA-1, 1B-52H-2-5JG-10 and -11												
7.6.1. System Operation								-	-	-	-	-
7.6.2. Remove/Install Components												
7.6.2.1. Wing Tank Fuel Probes								-	-	-	-	-
7.6.2.2. Body Tank Fuel Probes								-	-	-	-	-
7.6.3. Inspect Components		*						-	-	-	-	-

B-52 Requirements

CFETP 2A6X4, 1 September 2018

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
7.7. BODY FUEL TANKS TR: TO 1B-52H-2-5GA-1, 1B-52H-2-5JG-1 and -8 and 1-13												
7.7.1. System Operation								-	-	-	-	-
7.7.2. Troubleshoot Body Tank System		*						-	-	-	-	-
7.7.3. Remove/Install Bladder Cell								-	-	-	-	-
7.8. INTEGRAL WING TANK AND EXTERNAL TANK MAINTENANCE TR: TO 1-1-3, 1B-52H-2-5JG-9 and 1B-52H-2-5GA-1												
7.8.1. Perform Wing Tank Vent Duct Test												
7.8.1.1. Air Test								-	-	-	-	-
7.8.1.2. Water Test								-	-	-	-	-

C-5 Requirements

CFETP 2A6X4, 1 September 2018

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
NOTE 1: This STS is mandatory if trainee is required to maintain the C-5 aircraft. NOTE 2: Items in column 2 marked with an asterisk (*) identify core tasks.												
8. C-5												
8.1. C-5 AIRCRAFT GENERAL TR: Applicable aircraft TOs (e.g., workcards, checklists, etc)												
8.1.1. Perform Inspections (HSC/ISO/Phase)								-	-	-	-	-
8.1.2. Apply/Remove External Electrical Power	*							-	-	-	-	-
8.1.3. Remove, Install and Inspect Fuel Tubing Manifold and Couplings								-	-	-	-	-
8.1.4. Operate Fuel Management Panel	*							-	-	-	-	-
8.1.5. Egress Operation TR: TO 1C-5A-2-2 and 1C-5M-2-2								-	-	-	-	-
8.1.6. Operate Intercom System TR: TOs 1C-5A-2-2, 1C-5A-2-8-1, 1C-5M-2-2 and 1C-5M-2-8								-	-	-	-	-
8.1.7. Perform Aircraft Safe for Maintenance	*							-	-	-	-	-
8.1.8. Defensive System Familiarization (Flares)								-	-	-	-	-
8.1.9. Disconnect/Reconnect Main Aircraft Battery TR: 1C-5M-2-7-1	*							-	-	-	-	-
8.1.10. Disconnect/Reconnect APU Aircraft Battery (C-5M)	*							-	-	-	-	-
8.1.11. Remove/Install Aircraft Panels								-	-	-	-	-
8.2. ENGINE FEED AND CROSSFEED SYSTEMS TR: TO 1C-5A-2-5, 1C-5A-2-5FI-1-1, 1C-5A-2-5FI-1-2, 6J15-10-218-3, 1C-5M-2-5, 1C-5M-2-5FI-1-1 and 1C-5M-2-5FI-1-2												
8.2.1. System Operation								-	-	-	-	-

C-5 Requirements

CFETP 2A6X4, 1 September 2018

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
8.2.2 Perform Operational Check												
8.2.2.1. Boost Pump	*							-	-	-	-	-
8.2.2.2. Manifold Pressure	*							-	-	-	-	-
8.2.2.3. Pylon Manual Shutoff Valve	*							-	-	-	-	-
8.2.2.4. Separation Valve	*							-	-	-	-	-
8.2.2.5. Cross-Feed Valve	*							-	-	-	-	-
8.2.2.6. Isolation Valve	*							-	-	-	-	-
8.2.2.7. Fuel Boost Pump Check Valve Cartridges	*							-	-	-	-	-
8.2.2.8. Sump Low Warning System Checkout	*							-	-	-	-	-
8.2.3. Troubleshoot System		*						-	-	-	-	-
8.2.4. Remove/Install Components												
8.2.4.1. Pylon Manual Shutoff Valve								-	-	-	-	-
8.2.4.2. Separation Valve								-	-	-	-	-
8.2.4.3. Cross-Feed Valve								-	-	-	-	-
8.2.4.4. Boost Pump Elements								-	-	-	-	-
8.2.4.5. Boost Pump Check Valve Cartridges								-	-	-	-	-
8.2.4.6. Boost Pump Inlet Valve								-	-	-	-	-
8.2.4.7. Isolation Valves								-	-	-	-	-
8.2.5. Inspect Components		*						-	-	-	-	-
8.3. APU FUEL SUPPLY SYSTEM TR: TO 1C-5A-2-5, 1C-5A-2-5FI-1-1, 1C-5A-1-5F1-1-1, 1C-5M2-5, 1C-5A-2-4FI-1-3, 1C-5M-2-4FI-1-3 and 6J15-10-218-3												
8.3.1. System Operation								-	-	-	-	-
8.3.2. Perform Operational Check												
8.3.2.1. Shutoff Valves (Wing)	*							-	-	-	-	-
8.3.2.2. Fuel Shutoff Valve (main gear pod)	*							-	-	-	-	-
8.3.3. Troubleshoot System		*						-	-	-	-	-

C-5 Requirements

CFETP 2A6X4, 1 September 2018

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
8.3.4. Remove/Install Components												
8.3.4.1. Shutoff Valve (Wing)								-	-	-	-	-
8.3.4.2. Fuel Shutoff Valve (main gear pod)								-	-	-	-	-
8.3.5. Inspect Components		*						-	-	-	-	-
8.4. GROUND REFUELING AND DEFUELING SYSTEMS TR: TO 1C-5A-2-5, 1C-5A-2-5FI-1-1, 1C-5M-2-5, 1C-5M-2-5FI-1-1, 6J10-2-9-3, 6J15-3-104-3, and 6J15-3-140-3												
8.4.1. System Operation								-	-	-	-	-
8.4.2. Perform Operational Check												
8.4.2.1. Single Point Refueling Receptacle	*							-	-	-	-	-
8.4.2.2. Ground Refueling Isolation Valve	*							-	-	-	-	-
8.4.2.3. Single Point Refueling Drain Valve and Transfer Pump	*							-	-	-	-	-
8.4.2.4. Fuel Level Control Valve	*							-	-	-	-	-
8.4.3. Troubleshoot System		*						-	-	-	-	-
8.4.4. Remove/Install												
8.4.4.1. Single Point Refueling Receptacle								-	-	-	-	-
8.4.4.2. Ground Refueling Isolation Valve								-	-	-	-	-
8.4.4.3. Single Point Refueling Drain Valve and Transfer Pump								-	-	-	-	-
8.4.4.4. Fuel Level Control Valve								-	-	-	-	-
8.4.4.5. Condensation Drain Valve								-	-	-	-	-
8.4.5. Inspect Components		*						-	-	-	-	-

C-5 Requirements

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
8.5. AIR REFUELING RECEPTACLE SYSTEM (A/R/R) TR: TO 1C-5A-2-5, 1C-5A-2-5FI-1-1, 1C-5A-2-5FI-1-2, 1C-5M-2-5, and 1C-5M-2-5FI-1-2												
8.5.1. System Operation								-	-	-	-	-
8.5.2. Perform Operational Check												
8.5.2.1. A/R Isolation Valve	*							-	-	-	-	-
8.5.2.2. A/R Manifold Drain System	*							-	-	-	-	-
8.5.2.3. A/R Receptacle	*							-	-	-	-	-
8.5.3. Troubleshoot System		*						-	-	-	-	-
8.5.4. Remove/Install												
8.5.4.1. A/R Receptacle Door								-	-	-	-	-
8.5.4.2. A/R Isolation Valve								-	-	-	-	-
8.5.4.3. A/R Drain Valve And Transfer Pump								-	-	-	-	-
8.5.4.4. A/R Receptacle Poppet And Sleeve								-	-	-	-	-
8.5.4.5. A/R Induction Coil								-	-	-	-	-
8.5.5. Inspect Components		*						-	-	-	-	-
8.6. PRESSURIZATION/VENT SYSTEM TR: TO 1C-5A-2-5, 1C-5M-2-5, 1C-5A-2-5FI-1-1 and 1C-5M-2-5FI-1-1												
8.6.1. System Operation								-	-	-	-	-
8.6.2. Perform Operational Check												
8.6.2.1. Vent Box Float Switch	*							-	-	-	-	-
8.6.2.2. Vent Valve	*							-	-	-	-	-
8.6.2.3. Manifold Drain Valve	*							-	-	-	-	-
8.6.2.4. Finned Tube Heat Exchanger Leak Check	*							-	-	-	-	-
8.6.3. Troubleshoot System		*						-	-	-	-	-
8.6.4. Remove/Install Components												
8.6.4.1. Vent Box Float Switch								-	-	-	-	-
8.6.4.2. Vent Valve								-	-	-	-	-

C-5 Requirements

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		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
1. Tasks, Knowledge And Technical References		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
		5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
8.6.4.3.	Fuel Manifold Vent Line Check Valve								-	-	-	-	-
8.6.4.4.	Manifold Drain Valve								-	-	-	-	-
8.6.4.5.	Finned Tube Heat Exchanger								-	-	-	-	-
8.6.5.	Inspect Components		*						-	-	-	-	-
8.7.	FUEL JETTISON SYSTEM TR: 1C-5A-2-5, 1C-5M-2-5, 1C-5A-2-5FI-1-1 and 1C-5M-2-5FI-1-1												
8.7.1.	System Operation								-	-	-	-	-
8.7.2.	Perform Operation Check on Fuel Jettison Valve	*							-	-	-	-	-
8.7.3.	Troubleshoot Fuel Jettison Valve System		*						-	-	-	-	-
8.7.4.	Remove/Install Components												
8.7.4.1.	Fuel Jettison Valve								-	-	-	-	-
8.7.4.2.	Fuel Jettison Valve Housing								-	-	-	-	-
8.7.5.	Inspect Components		*						-	-	-	-	-
8.8.	FUEL INDICATION SYSTEM TR: 1C-5A-2-5, 1C-5M-2-5, 1C-5M-2-5FI-1-1 and 1C-5A-2-5FI-1-1												
8.8.1.	System Operation								-	-	-	-	-
8.8.2.	Remove/Install Components												
8.8.2.1.	Fuel Quantity Tank Units								-	-	-	-	-
8.8.2.2.	Fuel Quantity Harness								-	-	-	-	-
8.8.3.	Inspect Components		*						-	-	-	-	-
8.9.	INTEGRAL WING TANK TR: 1C-5A-2-5, 1C-5M-2-5, and 1-1-3												
8.9.1.	Integral Tank Construction								-	-	-	-	-
8.9.2.	Tank and Access Door/Panel Sealing Methods								-	-	-	-	-
8.9.3.	Perform Positive Pressure Test of Integral Tanks								-	-	-	-	-

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F-35 Requirements

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CD	(1) Course	(2) CD
NOTE 1: This STS is mandatory if trainee is required to maintain the F-35 aircraft.												
NOTE 2: Items in column 2 marked with an asterisk (*) identify core tasks.												
9. F-35												
9.1. AUTONOMIC LOGISTICS INFORMATION SYSTEM (ALIS) TR: ALIS ON LINE USER'S GUIDE & TO 00-5-1												
9.1.1. Use Joint Technical Data (JTD)	*							-	-	-	-	-
9.2. COMPUTERIZED MAINTENANCE MANAGEMENT SYSTEM (CMMS) TR: ALIS ON LINE USER'S GUIDE & TO 00-20-1												
9.2.1. Optional Screening Point (OSP) Action Request								-	-	-	-	-
9.2.2. Create Action Request (AR)	*							-	-	-	-	-
9.2.3. Create Task	*							-	-	-	-	-
9.2.4. Create Fault	*							-	-	-	-	-
9.2.5. Clear Task	*							-	-	-	-	-
9.2.6. Clear Fault	*							-	-	-	-	-
9.2.7. Order Parts	*							-	-	-	-	-
9.2.8. Receive Parts	*							-	-	-	-	-
9.2.9. Consumables								-	-	-	-	-
9.2.10. Retrieve Supply Reports								-	-	-	-	-
9.3. Aircraft General TR: JTD												
9.3.1. Position Maintenance Ladder								-	-	-	-	-
9.3.2. Position Maintenance Stand								-	-	-	-	-
9.3.3. Install Protective Matting								-	-	-	-	-
9.3.4. PMA - Connect/Disconnect								-	-	-	-	-
9.3.5. Canopy- Access/Operation												
9.3.5.1. Electrical								-	-	-	-	-
9.3.5.2. Manual								-	-	-	-	-
9.3.5.3. Lower/Stow Boarding Ladder								-	-	-	-	-

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
9.3.6. Aerospace Ground Equipment – Apply/Remove/Operation/Service												
9.3.6.1. External Electrical Power	*							-	-	-	-	-
9.3.6.2. Ext. Hydraulic Pressure, System A								-	-	-	-	-
9.3.6.3. Ext. Hydraulic Pressure, System B								-	-	-	-	-
9.3.6.4. External Cooling Air								-	-	-	-	-
9.3.6.5. PAO CLL								-	-	-	-	-
9.3.6.6. PAO HLL								-	-	-	-	-
9.3.6.7. External Low Pressure Air								-	-	-	-	-
9.3.7. Perform Aircraft Safe for Maintenance (SFM)												
9.3.7.1. Electrical SFM	*							-	-	-	-	-
9.3.7.2. Hydraulic SFM	*							-	-	-	-	-
9.3.7.3. Cockpit SFM	*							-	-	-	-	-
9.3.7.4. Ground SFM	*							-	-	-	-	-
9.3.8. Door Operation - Open/Close												
9.3.8.1. Weapons Bay Door Hydraulically								-	-	-	-	-
9.3.8.2. Weapons Bay Door Manually								-	-	-	-	-
9.3.8.3. IR CM Doors								-	-	-	-	-
9.3.8.4. MSE								-	-	-	-	-
9.3.9. Covers - Remove/Install												
9.3.9.1. Inlet/Exhaust								-	-	-	-	-
9.3.9.2. Pitot System								-	-	-	-	-
9.3.9.3. Seat Pilot Connect								-	-	-	-	-
9.3.9.4. Solar								-	-	-	-	-
9.4. Fuel System TR: JTD												
9.4.1. Perform Fault Isolation								-	-	-	-	-
9.4.2. Perform Test Functional Test								-	-	-	-	-
9.4.3. Perform Drain Valve Leak Check								-	-	-	-	-
9.4.4. Perform Tank Access Panel Leak Check	*							-	-	-	-	-

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
9.4.5. Internal Storage Tanks												
9.4.5.1. Inspect		*						-	-	-	-	-
9.4.5.2. Repair	*							-	-	-	-	-
9.4.5.3. Fuel Tank Injection (Wing)								-	-	-	-	-
9.4.5.4. Water Drain Valves												
9.4.5.4.1. Operate								-	-	-	-	-
9.4.5.4.2. Remove/Install								-	-	-	-	-
9.4.5.4.3 Inspect		*						-	-	-	-	-
9.5. Fuel Vent System TR: JTD												
9.5.1. System Operation								-	-	-	-	-
9.5.2. Perform Operational Check												
9.5.2.1. Vent Tank Pressure Sensor								-	-	-	-	-
9.5.2.2. Troubleshoot system								-	-	-	-	-
9.5.3. Remove/Install Components												
9.5.3.1. Float Valve ,Vent Line (Right Wing, Left Wing, F1, F5)								-	-	-	-	-
9.5.3.2. Flame Arrestor (Vent)								-	-	-	-	-
9.5.3.3. Vent Valve, Climb/Dive Tank F1								-	-	-	-	-
9.5.3.4. Pressure Sensor, Fuel/Vent Tank								-	-	-	-	-
9.5.3.5. Check Valve, Environmental Control System Air (External Tank)								-	-	-	-	-
9.5.3.6. Auto Drain Valve (Internal Pressure Line)								-	-	-	-	-
9.5.3.7. Auto Drain Valve (External Pressure Line)								-	-	-	-	-
9.5.3.8. Check Valve (Vent Line)								-	-	-	-	-
9.5.3.9. Vent Bypass Valve								-	-	-	-	-
9.5.3.10. Inspect Components		*						-	-	-	-	-
9.6. Fuel Distribution Misc. TR: JTD												
9.6.1. System Operation								-	-	-	-	-
9.6.2. Perform Operational Check												
9.6.2.1. Ground Refuel								-	-	-	-	-

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CFETP 2A6X4, 1 September 2018

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
9.6.2.2. Manual Operation Isolation Defuel Valve								-	-	-	-	-
9.6.2.3. Refuel Valve (Pressure Operated)								-	-	-	-	-
9.6.2.4. Valve (Pilot Refuel)								-	-	-	-	-
9.6.2.5. Troubleshoot system								-	-	-	-	-
9.6.3. Remove/Install Components												
9.6.3.1. Adaptor (Ground Refuel)								-	-	-	-	-
9.6.3.2. Defuel Valve (Manual Operation Isolation)								-	-	-	-	-
9.6.3.3. Float Valve (Pilot Refuel Low Level)								-	-	-	-	-
9.6.3.4. Check Valve (Pilot Line Defuel)								-	-	-	-	-
9.6.3.5. Switch (Air Pressure (External Fuel Tank)								-	-	-	-	-
9.6.3.6. Check Valve (Isolation Refuel)								-	-	-	-	-
9.6.3.7. Switch (Fuel Pressure (Refuel Manifold)								-	-	-	-	-
9.6.3.8. Check Valve (Transfer Isolation Refuel)								-	-	-	-	-
9.6.3.9. Float Valve (Low Level Pilot Defuel)								-	-	-	-	-
9.6.3.10. Check Valve (Pilot Line Defuel)								-	-	-	-	-
9.6.3.11. Heat Exchanger (Fuel/Air)								-	-	-	-	-
9.6.3.12. Check Valve (Return Fuel Cooler Outlet)								-	-	-	-	-
9.6.3.13. Check Valve (ICC Return)								-	-	-	-	-
9.6.3.14. Float Valve (Refuel Manifold Drain)								-	-	-	-	-
9.6.3.15. Refuel Valve (Pressure Operate)								-	-	-	-	-
9.6.3.16. Refuel Valve (Shower Head)								-	-	-	-	-
9.6.3.17. Valve (Pilot Refuel)								-	-	-	-	-
9.6.3.18. Ground Refuel Cap								-	-	-	-	-
9.6.3.19. Inspect Components		*						-	-	-	-	-
9.7. Fuel Transfer System TR: JTD												
9.7.1. System Operation								-	-	-	-	-
9.7.2 Perform Operational Check												
9.7.2.1. Fuel Transfer Pump								-	-	-	-	-

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	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
9.7.2.2. Fuel Transfer Shutoff Valve								-	-	-	-	-
9.7.2.3. Troubleshoot System								-	-	-	-	-
9.7.3. Remove/Install Components												
9.7.3.1. 270Vdc Transfer Pump								-	-	-	-	-
9.7.3.2. Check Valve (270Vdc Transfer Pump)								-	-	-	-	-
9.7.3.3. Check Valve (Transfer)								-	-	-	-	-
9.7.3.4. Jet Pump (Transfer)								-	-	-	-	-
9.7.3.5. Shutoff Valve (Transfer)								-	-	-	-	-
9.7.3.6. Check Valve (Motive Flow)								-	-	-	-	-
9.7.3.7. Inspect Components		*						-	-	-	-	-
9.8. Engine Feed/Motive Flow TR: JTD												
9.8.1. System Operation								-	-	-	-	-
9.8.2. Perform Operational Check												
9.8.2.1. Sensor (Fuel Temperature)								-	-	-	-	-
9.8.2.2. IPP Shut Off Valve								-	-	-	-	-
9.8.2.3. Troubleshoot System								-	-	-	-	-
9.8.3. Remove/Install Components												
9.8.3.1. Shut Off Valve (Engine Feed)								-	-	-	-	-
9.8.3.2. Shut Off Valve (IPP Feed)								-	-	-	-	-
9.8.3.3. Check Valve (Engine Feed/IPP)								-	-	-	-	-
9.8.3.4. Check Valve (IPP Transfer)								-	-	-	-	-
9.8.3.5. Bypass Valve (Engine Starter Generator)								-	-	-	-	-
9.8.3.6. Check Valve (FADEC Return)								-	-	-	-	-
9.8.3.7. Heat Exchanger (Engine Starter Generator)								-	-	-	-	-
9.8.3.8. Fuel Pressure Sensor, Engine Inlet								-	-	-	-	-
9.8.3.9. Fuel Pressure Sensor, Engine Feed								-	-	-	-	-
9.8.3.10. Fuel Temperature Sensor, Fuel Heat Exchanger Outlet RH								-	-	-	-	-
9.8.3.11. Sensor (Fuel Temp, FADEC, Feed)								-	-	-	-	-

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
9.8.3.12. Check Valve (Ground Cooling Shutoff)								-	-	-	-	-
9.8.3.13. Valve (Ground Cooling)								-	-	-	-	-
9.8.3.14. Valve (Thermal Relief)								-	-	-	-	-
9.8.3.15. Valve (Thermal Relief, IPP Feed)								-	-	-	-	-
9.8.3.16. Shutoff Valve (Inertial Measurement Unit, Thermal 1)								-	-	-	-	-
9.8.3.17. Check Valve (Inertial Measurement Unit, Thermal 1)								-	-	-	-	-
9.8.3.18. Inspect Components		*						-	-	-	-	-
9.9. Fuel Dump TR: JTD												
9.9.1. System Operation								-	-	-	-	-
9.9.2. Perform Operational Check												
9.9.2.1. Fuel Dump Valve								-	-	-	-	-
9.9.2.2. Troubleshoot System								-	-	-	-	-
9.9.3. Remove/Install Components												
9.9.3.1. Fuel Dump Valve								-	-	-	-	-
9.9.3.2. Inspect Components		*						-	-	-	-	-
9.10.1. Fuel System Indicating System TR: JTD												
9.10.1.1. System Operation								-	-	-	-	-
9.10.2. Perform Operational Check												
9.10.2.1. Fuel Indication								-	-	-	-	-
9.10.2.2. Troubleshoot system								-	-	-	-	-
9.10.3. Remove/Install Components												
9.10.3.1. Fuel Probe								-	-	-	-	-
9.10.3.2. Compensator								-	-	-	-	-
9.10.3.3. Sensor, Wet (Vent Tank AC Line Probe)								-	-	-	-	-
9.10.3.4. Inspect Components		*						-	-	-	-	-
9.11. Aerial Refueling System TR: JTD												
9.11.1. System Operation								-	-	-	-	-
9.11.2. Perform Operational Check												

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	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
9.11.2.1. Aerial Refueling								-	-	-	-	-
9.11.2.2. Leak Check								-	-	-	-	-
9.11.2.3. Troubleshoot system								-	-	-	-	-
9.11.3. Remove/Install Components												
9.11.3.1. Receptacle (Aerial Refuel)								-	-	-	-	-
9.11.3.2. Controller (Electro Mechanical Actuator, In-Flight Refuel Receptacle)								-	-	-	-	-
9.11.3.3. Actuator - Electro Mechanical (In-Flight Refuel Receptacle Doors)								-	-	-	-	-
9.11.3.4. Controller (Refuel Receptacle Latch)								-	-	-	-	-
9.11.3.5. Signal Conditioner (Aerial Refuel)								-	-	-	-	-
9.11.3.6. Outlet Casting, Check Valve (Air To Air Refuel Receptacle)								-	-	-	-	-
9.11.3.7. Inspect Components		*						-	-	-	-	-
9.12. On-Board Inert Gas Generating System TR: JTD												
9.12.1. System Operation								-	-	-	-	-
9.12.2. Perform Operational Check												
9.12.2.1. Fuel/ Air Temperature Sensors								-	-	-	-	-
9.12.2.2. Troubleshoot system								-	-	-	-	-
9.12.3. Remove/Install Components												
9.12.3.1. Air Separation Module (OBIGGS)								-	-	-	-	-
9.12.3.2. Valve (Nitrogen Enriched Air)								-	-	-	-	-
9.12.3.3. Filter (Air Water Separator)								-	-	-	-	-
9.12.3.4. Sensor, Air Temperature (OBIGGS Inlet)								-	-	-	-	-
9.12.3.5. Filter Sensor, Delta Pressure (OBIGGS)								-	-	-	-	-
9.12.3.6. Sensor, Outlet (Air Separator Module)								-	-	-	-	-
9.12.3.7. Valve, Pressure Regulator (OBIGGS)								-	-	-	-	-
9.12.3.8. Check Valve, Supply (OBIGGS)								-	-	-	-	-
9.12.3.9. Check Valve (OBIGGS Wash)								-	-	-	-	-

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	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
9.12.3.10. Check Valve, Waste Outlet (Air Separator Module)								-	-	-	-	-
9.12.3.11. Inspect Components		*						-	-	-	-	-
9.13. External Fuel Tank System TR: JTD												
9.13.1. Remove/Install Components												
9.13.1.1. External Tank Fuel Disconnect (Left/ Right Wing)								-	-	-	-	-
9.13.1.2. External Tank Air Disconnect (Left/ Right Wing)								-	-	-	-	-
9.13.1.3. Inspect Components		*						-	-	-	-	-

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
NOTE 1: This STS is mandatory if trainee is required to maintain the C-17 aircraft. NOTE 2: Items in column 2 marked with an asterisk (*) identify core tasks.												
10. C-17								-	-	-	-	-
10.1 C-17 AIRCRAFT GENERAL TR: TOs 1C-17A-2-00JG-00-1; 1C-17A-2-10JG-60-1; 1C-17A-2-12JG-24-1; 1C-17A-2-28GS-00-1 Applicable aircraft TOs (e.g., workcards, checklists, etc.)												
10.1.1. Remove, Inspect, and Install Fuel Tubing and Couplings								-	-	-	-	-
10.1.2. Perform HSC Inspections								-	-	-	-	-
10.1.3. Identify Fuselage/Wing Access Entry/Exit	*							-	-	-	-	-
10.1.4. Identify Underfloor Maintenance Tunnel Entry/Exit								-	-	-	-	-
10.1.5. Connect/Disconnect External Electrical Power	*							-	-	-	-	-
10.1.6. Connect/Disconnect Ground Air Conditioning Unit								-	-	-	-	-
10.1.7. Connect/Disconnect Main Battery	*							-	-	-	-	-
10.1.8. Perform aircraft safe for maintenance	*							-	-	-	-	-
10.1.9. Apply hydraulic pressure TR: 1C-17A-2-12JG-29-1								-	-	-	-	-
10.2. SERVICING FUEL TR: TO 1C-17A-2-12JG-28-1 and 1C-17A-2-12JG-28-2												
10.2.1. Perform Single Point Refuel								-	-	-	-	-
10.2.2. Perform Single Point Defuel								-	-	-	-	-
10.2.3. Drain Fuel Tank/Vent Box Sump								-	-	-	-	-
10.2.4. Drain Fuel Manifold								-	-	-	-	-

C-17 Requirements

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
10.3. FIRE PROTECTION EXTINGUISHING TR: TO 1C-17A-2-26JG-20-1												
10.3.1. System Operation								-	-	-	-	-
10.3.2. Perform Operational Check on Engine Fire Fuel Shutoff Gate Valve	*							-	-	-	-	-
10.3.3. Troubleshoot Engine Fire Fuel Shutoff Gate Valve								-	-	-	-	-
10.3.4. Remove/Install Engine Fire Fuel Shutoff Gate Valve and Actuator								-	-	-	-	-
10.3.5. Inspect Components		*						-	-	-	-	-
10.4. FUEL STORAGE TR: TOs 1C-17A-2-28JG-10-1, 1C-17A-2-28JG-10-2, 1C-17A-2-28JG-10-3, 1C-17A-2-28JG-10-4, and 1C-17A-2-28JG-10-5												
10.4.1. System Operation								-	-	-	-	-
10.4.2. Perform Operational Check												
10.4.2.1. Fuel Tank Pressure	*							-	-	-	-	-
10.4.2.2. Inert Control Panel								-	-	-	-	-
10.4.2.3. Secondary Climb & Dive Valve	*							-	-	-	-	-
10.4.2.4. Fuel Center Separation Valve	*							-	-	-	-	-
10.4.3. Troubleshoot System		*						-	-	-	-	-
10.4.4. Remove/Install Components												
10.4.4.1. Fuel Vent Valve Hydraulic Override Solenoid Valve								-	-	-	-	-
10.4.4.2. Wing Vent Test Solenoid Valve								-	-	-	-	-
10.4.4.3. Wing Vent Box Pressure Transducer								-	-	-	-	-
10.4.4.4. Fuel Vent Float Valve								-	-	-	-	-
10.4.4.5. Fuel Transfer/Dump Pump Housing								-	-	-	-	-

C-17 Requirements

CFETP 2A6X4, 1 September 2018

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
10.4.4.6. Fuel Transfer/Dump Pump								-	-	-	-	-
10.4.4.7. Fuel Center Separation Valve								-	-	-	-	-
10.4.4.8. Fuel Center Separation Valve Actuator								-	-	-	-	-
10.4.4.9. Drain Leak Sense Valve								-	-	-	-	-
10.4.4.10. Sump Drain Valve								-	-	-	-	-
10.4.5. Repair Sump Drain Valve								-	-	-	-	-
10.4.6. Primary Climb and Dive Valve								-	-	-	-	-
10.4.7. Secondary Climb and Dive Valve								-	-	-	-	-
10.4.8. Vent box Scavenge Check Valve								-	-	-	-	-
10.4.9. Flapper Door Check Valve								-	-	-	-	-
10.4.10. Inspect Components		*						-	-	-	-	-
10.4.11. Center Fuselage Drain Mast Assembly								-	-	-	-	-
10.5. FUEL DISTRIBUTION TR: TOs 1C-17A-2-28JG-20-1, 1C-17A-2-28JG-20-2, 1C-17A-2-28JG-20-3, 1C-17A-2-28JG-20-4, 1C-17A-2-28JG-20-5, 20-6, and 20-7												
10.5.1. System Operation								-	-	-	-	-
10.5.2. Perform Operational Check												
10.5.2.1. Ground Refueling Control Panel	*							-	-	-	-	-
10.5.2.2. Ground Refuel Isolation Valve	*							-	-	-	-	-
10.5.2.3. Engine Start Fuel System Control Panel	*							-	-	-	-	-
10.5.2.4. Fuel Boost Pump	*							-	-	-	-	-
10.5.2.5. Crossfeed Valve and Actuator	*							-	-	-	-	-
10.5.2.6. APU Fuel Fire Shutoff Valve	*							-	-	-	-	-
10.5.2.7. Ground Refuel Manifold Solenoid Drain Valve	*							-	-	-	-	-

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
10.5.2.8. Ground Refuel Isolation Valve Actuator	*							-	-	-	-	-
10.5.2.9. Fuel Fill Shutoff Valve	*							-	-	-	-	-
10.5.2.10. Fuel Fill Shutoff Valve Controller	*							-	-	-	-	-
10.5.2.11. Fuel Fill Shutoff Float Valve								-	-	-	-	-
10.5.2.12. High Level Shutoff Solenoid Valve	*							-	-	-	-	-
10.5.2.13. Ground Refuel Adapter	*							-	-	-	-	-
10.5.2.14. APU Fuel Feed Low Press Switch	*							-	-	-	-	-
10.5.2.15. Ground Refuel Manifold Drain Pump	*							-	-	-	-	-
10.5.2.16. Ground Refuel Manifold Low Press Switch	*							-	-	-	-	-
10.5.3. Troubleshoot System		*						-	-	-	-	-
10.5.4. Remove/Install Components												
10.5.4.1. Ground Refuel Isolation Valve Actuator								-	-	-	-	-
10.5.4.2. Ground Refuel Isolation Valve								-	-	-	-	-
10.5.4.3. Fuel Fill Shutoff Valve								-	-	-	-	-
10.5.4.4. Fuel Fill Shutoff Valve Controller								-	-	-	-	-
10.5.4.5. Fuel Fill Shutoff Float Valve								-	-	-	-	-
10.5.4.6. High Level Shutoff solenoid Valve								-	-	-	-	-
10.5.4.7. Ground Refuel Adapter	*							-	-	-	-	-
10.5.4.8. Fuel Boost Pump Housing								-	-	-	-	-
10.5.4.9. Fuel Boost Pump								-	-	-	-	-
10.5.4.10. Gate and Actuator Assembly								-	-	-	-	-
10.5.4.11. Crossfeed Valve Port Adapter								-	-	-	-	-
10.5.4.12. APU Fuel Fire Shutoff Valve								-	-	-	-	-
10.5.4.13. APU Fuel Feed Low Press Switch								-	-	-	-	-

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CFETP 2A6X4, 1 September 2018

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
10.5.4.14. Ground Refuel Manifold Solenoid Drain Valve								-	-	-	-	-
10.5.4.15. Ground Refuel Manifold Drain Pump								-	-	-	-	-
10.5.4.16. Ground Refuel Manifold Low Press Switch								-	-	-	-	-
10.5.4.17. Fuel Manifold Surge Relief Valve								-	-	-	-	-
10.5.4.18. Crossfeed Manifold Surge Relief Valve								-	-	-	-	-
10.5.4.19. Bypass Check Valve								-	-	-	-	-
10.5.4.20. Fuel Crossfeed Manifold Valve								-	-	-	-	-
10.5.4.21. Ground Refuel Manifold Manual Drain Valve								-	-	-	-	-
10.5.5. Inspect Components		*						-	-	-	-	-
10.6. FUEL DUMP TR: TO 1C-17A-2-28JG-30-1												
10.6.1. System Operation								-	-	-	-	-
10.6.2. Perform Operational Check												
10.6.2.1. Tank Dump Float Liquid Level Switch	*							-	-	-	-	-
10.6.2.2. Fuel Jettison Butterfly Valve	*							-	-	-	-	-
10.6.2.3. Fuel Dump Valve Actuator	*							-	-	-	-	-
10.6.3. Troubleshoot System		*						-	-	-	-	-
10.6.4. Remove/Install Components												
10.6.4.1. Engine feed/Jettison Check Valve								-	-	-	-	-
10.6.4.2. Tank Dump Float Liquid Level Switch								-	-	-	-	-
10.6.4.3. Fuel Dump Valve Actuator								-	-	-	-	-
10.6.4.4. Fuel Jettison Butterfly Valve								-	-	-	-	-
10.6.5. Inspect Components		*						-	-	-	-	-

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CFETP 2A6X4, 1 September 2018

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
10.7. FUEL QUANTITY INDICATING SYSTEM TR: TO 1C-17A-2-28JG-40-1, 1C-17A-2-28JG-40-2, 1C-17A-2-28JG-40-3, 40-4, and 40-5												
10.7.1. System Operation								-	-	-	-	-
10.7.2. Remove/Install Components												
10.7.2.1. Tank Densitometer								-	-	-	-	-
10.7.2.2. Fuel Quantity Compensator								-	-	-	-	-
10.7.2.3. Fuel Quantity Tank Unit								-	-	-	-	-
10.7.3. Inspect Components		*						-	-	-	-	-
10.7.4. High Level Sensors								-	-	-	-	-
10.7.5. Perform Fuel Indicating System Operational Check	*							-	-	-	-	-
10.7.6. Fuel Quantity Dry Capacitance Operational Check								-	-	-	-	-
10.8. AUTO TRANSFER SYSTEM												
10.8.1. System Operation								-	-	-	-	-
10.8.2. Perform Operational Check on Fuel Level Sensing Float Switch	*							-	-	-	-	-
10.8.3. Troubleshoot System		*						-	-	-	-	-
10.8.4. Remove/Install Fuel Level Sensing Float Switch								-	-	-	-	-
10.8.5. Inspect Components		*						-	-	-	-	-
10.9. FUEL UNIVERSAL AIR REFUELING RECEIVER SYSTEM INSTALLATION TR: TO 1C-17A-2-28JG-50-1, 1C-17A-2-28JG-50-2, 1C-17A-2-28JG-50-3, 1C-17A-2-28JG-50-4, 1C-17A-2-28JG-50-5, 50-6, and 50-7												
10.9.1. System Operation								-	-	-	-	-
10.9.2. Perform Operational Check												
10.9.2.1. Universal Aerial Refueling Receptacle Slipway Installation	*							-	-	-	-	-

C-17 Requirements

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
10.9.2.2. Manifold Drain Pump								-	-	-	-	-
10.9.2.3. Isolation Valve								-	-	-	-	-
10.9.2.4. Manifold Drain Valve								-	-	-	-	-
10.9.2.5. Receptacle System Leak Pressure Decay Check								-	-	-	-	-
10.9.3. Door Actuating And Indicating System								-	-	-	-	-
10.9.4. Troubleshoot System		*						-	-	-	-	-
10.9.5. Remove/Install Components												
10.9.5.1. Universal Receptacle Slipway Installation								-	-	-	-	-
10.9.5.2. Manifold Drain Pump								-	-	-	-	-
10.9.5.3. Isolation Valve and Actuator								-	-	-	-	-
10.9.5.4. Manifold Drain Valve								-	-	-	-	-
10.9.5.5. Slipway Door								-	-	-	-	-
10.9.5.6. Induction Coil								-	-	-	-	-
10.9.5.7. Manual Drain Valve								-	-	-	-	-
10.9.5.8. Manifold Check Valve								-	-	-	-	-
10.9.5.9. Leak Sense Drain Valve								-	-	-	-	-
10.9.5.10. Leak Sense Drain Can Assembly								-	-	-	-	-
10.9.6. Inspect System Components		*						-	-	-	-	-
10.9.7. Signal Amplifier								-	-	-	-	-
10.9.8. Scavenge Low Pressure Switch								-	-	-	-	-
10.9.9. Overpressure Disconnect Switch								-	-	-	-	-
10.9.10. Door Actuator Assembly								-	-	-	-	-
10.9.11. Forward Fuselage Air Refueling Drain Mast								-	-	-	-	-

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
10.10. FUEL TANK ENTRY												
10.10.1. Fuel Tank Entry/Exit TR: 1C-17A-2-28JG-00-1	*							-	-	-	-	-
10.10.2. Remove and Install Fuel Tank Access Panels/Jump Doors TR: 1C-17A-2-57JG-10-1	*							-	-	-	-	-
10.10.3. Extended Range Fuel Tank Entry/Exit Alternate Method								-	-	-	-	-
10.11. INTEGRAL FUEL TANK MAINTENANCE												
10.11.1. Integral Tank Construction								-	-	-	-	-
10.11.2. Perform Leak Path Analysis	*							-	-	-	-	-
10.11.3. Perform Positive Pressure Test of Integral Tanks TR: 1C-17A-2-28JG-10-1	*							-	-	-	-	-
10.11.4. Perform Negative Pressure Test of Integral Tanks TR: 1C-17A-2-28JG-10-1	*							-	-	-	-	-
10.12. EXTENDED RANGE TANK												
10.12.1. Submerged Fuel Transfer Pump												
10.12.1.1. Operational Checkout TR: TOs 1C-17A-2-28JG-10-4 and 28-13-16	*							-	-	-	-	-
10.12.1.2. Removal/Installation TR: TOs 1C-17A-2-28JG-10-4 and 28-13-16								-	-	-	-	-
10.12.1.3. Troubleshooting TR: TO 1C-17A-2-28FI-00-1		*						-	-	-	-	-
10.12.1.4. Inspect components		*						-	-	-	-	-
10.12.2. Extended Range Fuel Transfer Ejector System TR: 1C-17A-2-28JG-10-5												
10.12.2.1. Operational Checkout	*							-	-	-	-	-
10.12.2.2. Removal/Installation								-	-	-	-	-
10.12.2.3. Gravity Check Valve								-	-	-	-	-
10.12.2.4. Scavenge Check Valve								-	-	-	-	-
10.12.2.5. Fuel Water Scavenge Rake Tube Assembly								-	-	-	-	-
10.12.2.6. Troubleshooting		*						-	-	-	-	-

C-17 Requirements

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
10.12.2.7. Inspect components		*						-	-	-	-	-
10.12.3. Secondary Barrier TR: TOs 1C-17A-2-28JG-10-1 and 28-11-10												
10.12.3.1. Removal/Installation								-	-	-	-	-
10.12.3.2. Leak Check Inspection								-	-	-	-	-
10.12.3.3. Fuel and Gas Vapor								-	-	-	-	-
10.12.3.4. Secondary Barrier Forward/Aft Check Valve Repair								-	-	-	-	-
10.12.3.5. Test Equipment												
10.12.3.5.1. Perform Operational Checkout												
10.12.3.5.1.1. Adapter and Vacuum Purging Test Set. TR: TOs 1C-17A-2-28JG-10-1 and 33D2-3-129-1								-	-	-	-	-
10.12.3.5.1.2. Seal Pressure Test Set TR: TOs 1C-17A-2-28JG-10-1 and 33D2-3-128-1								-	-	-	-	-
10.12.4. Test Set, Leak Detection, Gas and Vapor TR: TO 1C-17A-2-28JG-10-1 Manufacturer's Instructions								-	-	-	-	-
10.12.5. Kit, Test Adapter Fuel Quantity TR: TO 1C-17A-2-28JG-40-1								-	-	-	-	-
10.12.6. Kit, Fuel Quantity Breakout Box TR: TO 1C-17A-2-28JG-40-1								-	-	-	-	-
10.12.7. Test Set, PSD90-1 TR: TO 1C-17A-2-28JG-40-1								-	-	-	-	-
10.13. Trailer / Secondary Barrier TR: TOs 1C-17A-2-28JG-10-1 and 35D5-5-9-1												
10.13.1. Use								-	-	-	-	-
10.13.2. Operation								-	-	-	-	-

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	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(2) CDC	(1) Course	(2) CDC
NOTE 1: This STS is mandatory if trainee is required to maintain the C-18 or E-8C aircraft.												
NOTE 2: Items in column 2 marked with an asterisk (*) identify core tasks.												
11. C-18 and E-8C												
11.1. C-18 and E-8C AIRCRAFT GENERAL TR: TO 1E-8C-2-28GS-00-1 and 1C-18 (E) B-2-28GS-00-1												
11.1.1. Aircraft Safety Precautions								-	-	-	-	-
11.1.2. Apply and Remove External Power	*							-	-	-	-	-
11.1.3. Remove, Inspect, and Install Fuel Tubing and Couplings								-	-	-	-	-
11.1.4. Perform aircraft safe for maintenance	*							-	-	-	-	-
11.2. FUEL DISTRIBUTION SYSTEM TR: TOs 1E-8C-2-28GS-11-0 and 1C-18 (E) B-2-28GS-11-0												
11.2.1. System Operation								-	-	-	-	-
11.2.2. Perform Operational Check												
11.2.2.1. Engine Feed	*							-	-	-	-	-
11.2.2.2. Fuel Transfer	*							-	-	-	-	-
11.2.2.3. Refuel/Defuel	*							-	-	-	-	-
11.2.2.4. Air Refueling System	*							-	-	-	-	-
11.2.3. Troubleshoot System												
11.2.3.1. Engine Feed		*						-	-	-	-	-
11.2.3.2. Fuel Transfer		*						-	-	-	-	-
11.2.3.3. Refuel/Defuel		*						-	-	-	-	-
11.2.3.4. Air Refueling System		*						-	-	-	-	-
11.2.4. Remove/Install Components												
11.2.4.1. Dual Check Valve								-	-	-	-	-
11.2.4.2. Dual Shuttle Valve								-	-	-	-	-
11.2.4.3. Override Pump Check Valve								-	-	-	-	-
11.2.4.4. Single Point Refuel Receptacle	*							-	-	-	-	-
11.2.4.5. Engine Fuel Shutoff Valves								-	-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(2) CDC	(1) Course	(2) CDC
11.2.4.6. Boost Pumps	*							-	-	-	-	-
11.2.4.7. Boost Pump Removal Valve								-	-	-	-	-
11.2.4.8. Boost Override Pumps								-	-	-	-	-
11.2.4.9. Boost Override Pump Removal Valve								-	-	-	-	-
11.2.4.10. Low Pressure Warning Switch								-	-	-	-	-
11.2.4.11. Engine Fuel Manifold Valves								-	-	-	-	-
11.2.4.12. Reserve Tank Transfer Valves								-	-	-	-	-
11.2.4.13. Dual Pilot Valves								-	-	-	-	-
11.2.4.14. Main Refueling Valve								-	-	-	-	-
11.2.4.15. Secondary Float Switch								-	-	-	-	-
11.2.4.16. Fuel Level Control Valves								-	-	-	-	-
11.2.4.17. Manual Defuel Valve								-	-	-	-	-
11.2.4.18. Defueling Valve								-	-	-	-	-
11.2.4.19. Universal Aerial Refueling Receptacle								-	-	-	-	-
11.2.4.20. Universal Aerial Refueling Main Sleeve								-	-	-	-	-
11.2.4.21. Universal Aerial Refueling Fuel Manifold								-	-	-	-	-
11.2.4.22. Universal Aerial Refueling Signal Amplifier								-	-	-	-	-
11.2.5. Inspect Components		*						-	-	-	-	-
11.3. FUEL DUMP SYSTEM TR: TO 1E-8C-2-28GS-001 and 1C-18 (E) B-2-28GS-22-0												
11.3.1. System Operation								-	-	-	-	-
11.3.2. Perform Operational Check												
11.3.2.1. Dump Valves	*							-	-	-	-	-
11.3.2.2. Dump Chute	*							-	-	-	-	-
11.3.3. Troubleshoot System		*						-	-	-	-	-
11.3.4. Remove / Install Components												
11.3.4.1. Dump Valves								-	-	-	-	-
11.3.4.2. Dump Chute								-	-	-	-	-

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(2) CDC	(1) Course	(2) CDC
11.3.4.3. Dump Chute Closure Panel								-	-	-	-	-
11.3.4.4. Dump Chute Actuator								-	-	-	-	-
11.3.5. Inspect Components		*						-	-	-	-	-
11.4. FUEL QUANTITY INDICATING SYSTEM TR: TOs 1E-8C-2-28JG-40-1 and 1C-18(E) B-2-28JG-8-0												
11.4.1. System Operation								-	-	-	-	-
11.4.2. Remove and Install Components												
11.4.2.1. Tank Units								-	-	-	-	-
11.4.2.2. Wire Harness								-	-	-	-	-
11.4.3. Inspect Components		*						-	-	-	-	-
11.5. TANK STORAGE TR: TOs 1E-8C-2-28GS-00-1 and 1C-18 (E) B-2-28GS-2-0												
11.5.1. System Operation								-	-	-	-	-
11.5.2. Perform Injection Repair of Wing Tanks								-	-	-	-	-
11.5.3. Perform Positive Pressure Test on Integral Tanks	*							-	-	-	-	-
11.5.4. Remove and Install												
11.5.4.1. Dip Sticks								-	-	-	-	-
11.5.4.2. Overwing Filler Ports								-	-	-	-	-
11.5.4.3. Inspect Components								-	-	-	-	-
11.5.5. Cells												
11.5.5.1. Identify Cell Cavity Drains	*							-	-	-	-	-
11.5.5.2. Perform Leak Isolation								-	-	-	-	-
11.6. Vent System												
11.6.1. System Operation								-	-	-	-	-
11.6.2. Troubleshoot System		*						-	-	-	-	-
11.6.3. Remove/Install Components												
11.6.3.1. Vent Float								-	-	-	-	-
11.6.3.2. Vent Scoop								-	-	-	-	-
11.6.3.3. Vent Surge Tank Check Valve								-	-	-	-	-
11.6.3.4. Inspect Components		*						-	-	-	-	-

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(2) CDC	(1) Course	(2) CDC
NOTE 1: This STS is mandatory if trainee is required to maintain the C-130 aircraft. NOTE 2: Items in column 2 marked with an asterisk (*) identify core tasks.												
12. C-130												
12.1. C-130 AIRCRAFT GENERAL TR: 1C-130H-2-28GS-00-1, 1C-130H-2-28 Series Job Guides, 1C-130H-2-00GE-00-1, 1C-130J-2-00GV-00-1, 1C-130J-2-28GS-00-1 and 1C-130J-2-28 Series Job Guides												
12.1.1. ExternalPower												
12.1.1.1 Apply/Remove External Power	*							-	-	-	-	-
12.1.1.2 Apply/Remove External Power (C-130J)	*							-	-	-	-	-
12.1.2. Batteries												
12.1.2.1 Disconnect/Reconnect aircraft battery	*							-	-	-	-	-
12.1.2.2 Disconnect/Reconnect SCNS battery	*							-	-	-	-	-
12.1.2.3 Disconnect/Reconnect Utility Battery Applicable Series	*							-	-	-	-	-
12.1.3. NOT USED												
12.1.4 Initiating Maintenance Drain Cycle Via PMA (Portable Maintenance Aid)	*							-	-	-	-	-
12.1.5. Initiating Maintenance Drain Cycle Via DTADS	*							-	-	-	-	-
12.1.6. Remove/Inspect/Install Fuel System Tubing, hoses, and Couplings								-	-	-	-	-
12.1.7. Perform Inspections (HSC/ISO)								-	-	-	-	-
12.1.8. Connect/Use/Disconnect PMA								-	-	-	-	-
12.1.9. Connect/Use/Disconnect DTADS								-	-	-	-	-
12.1.10. Perform aircraft safe for maintenance	*							-	-	-	-	-

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	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(2) CDC	(1) Course	(2) CDC
12.2. FUEL DISTRIBUTION SYSTEM TR: TO 1C-130H-2-00GE-00-1, 1C-130H-2-28GS-00-1, 1C-130J-2-28JG-20-1, 1C-130(W)J-2-28JG-20-1 and 1C-130H-2-28 Series Job Guides												
12.2.1. System Operation								-	-	-	-	-
12.2.2. Perform Operational Check												
12.2.2.1. Fuel Boost Pumps	*							-	-	-	-	-
12.2.2.2. Fuel Management Controller (FMC) IBIT (J-Model)	*							-	-	-	-	-
12.2.2.3. Crossfeed Valve(s)	*							-	-	-	-	-
12.2.2.4. Fire Wall Shut Off Valve(s)	*							-	-	-	-	-
12.2.2.5. Crossfeed Primer Valve	*							-	-	-	-	-
12.2.2.6. External/Auxiliary Bypass Valve(s)	*							-	-	-	-	-
12.2.2.7. Fuel Cross Ship Separation Valve (J-Model)	*							-	-	-	-	-
12.2.2.8. Center Separation Valve	*							-	-	-	-	-
12.2.2.9. External/Auxiliary Pressure Switch(s)	*							-	-	-	-	-
12.2.2.10. APU/GTC Valve	*							-	-	-	-	-
12.2.2.11. Fuel Level Control Valve	*							-	-	-	-	-
12.2.2.12. Ground Transfer Valve	*							-	-	-	-	-
12.2.2.13. Pressure Relief Valve	*							-	-	-	-	-
12.2.2.14. Fuel Transfer Pump (J-Model)	*							-	-	-	-	-
12.2.3. Troubleshoot System		*						-	-	-	-	-
12.2.4. Remove and Install Components												
12.2.4.1. Horse Collar Hose(s)								-	-	-	-	-
12.2.4.2. Boost Pump(s)								-	-	-	-	-
12.2.4.3. Crossfeed Valve(s)								-	-	-	-	-
12.2.4.4. Firewall Shutoff Valve(s)								-	-	-	-	-
12.2.4.5. Crossfeed Primer Valve								-	-	-	-	-
12.2.4.6. External/Auxiliary Bypass Valve(s)								-	-	-	-	-
12.2.4.7. Center Separation Valve								-	-	-	-	-

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	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(2) CDC	(1) Course	(2) CDC
12.2.4.8. External/Auxiliary Pressure Switch(s)								-	-	-	-	-
12.2.4.9. APU/GTC Valve								-	-	-	-	-
12.2.4.10. Fuel Level Control Valve								-	-	-	-	-
12.2.4.11. Water Removal screen(s) TR: TO 1C-130A-6								-	-	-	-	-
12.2.4.12. Water Removal System Ejector Pumps								-	-	-	-	-
12.2.4.13. Ground Transfer Valve								-	-	-	-	-
12.2.4.14. Pressure Relief Valve								-	-	-	-	-
12.2.4.15. Cross Ship Separation Valve (J- Model)								-	-	-	-	-
12.2.4.16. Fuel Check valve								-	-	-	-	-
12.2.4.17. Fuel Transfer Pump (J-Model)								-	-	-	-	-
12.2.5. Inspect Components		*						-	-	-	-	-
12.3. GROUND REFUELING SYSTEM TR: TO1C-130H-2-00GE-00-1, 1C-130H-2-28GS-00-1, 1C-130H-2-12JG-10-1, 1C- 130H-2-28 Series Job Guides, 1C-130J-2-00GV-00-1, 1C- 130J-2-28GS-00-1, 1C-130J-2- 28 Series Job guides												
12.3.1. System Operation								-	-	-	-	-
12.3.2. Refuel/defuel operation												
12.3.2.1 Perform Refuel/defuel operation								-	-	-	-	-
12.3.2.2 Perform Refuel/defuel operation (C-130J)								-	-	-	-	-
12.3.3. Perform Operational Check												
12.3.3.1. SPR Pump	*							-	-	-	-	-
12.3.3.2. Single Point Refueling Drain System	*							-	-	-	-	-
12.3.3.3. Refuel Ground Transfer Valve	*							-	-	-	-	-
12.3.3.4. Off Load Valve	*							-	-	-	-	-
12.3.3.5. SPR Manual Drain Valve	*							-	-	-	-	-

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	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(2) CDC	(1) Course	(2) CDC
12.3.3.6. SPR Valve (J-Model)	*							-	-	-	-	-
12.3.3.7. Troubleshoot System		*						-	-	-	-	-
12.3.4. Remove and Install Components												
12.3.4.1. SPR Shutoff Valve								-	-	-	-	-
12.3.4.2. SPR Pump								-	-	-	-	-
12.3.4.3. Refuel Ground Transfer Valve								-	-	-	-	-
12.3.4.4. Off Load Valve								-	-	-	-	-
12.3.4.5. SPR Cock Drain Valve								-	-	-	-	-
12.3.4.6. SPR Adapter Assembly								-	-	-	-	-
12.3.4.7. SPR Surge Suppressor								-	-	-	-	-
12.3.4.8. SPR Vent Check Valve (s)								-	-	-	-	-
12.3.5. Inspect Components		*						-	-	-	-	-
12.4. FUEL JETTISON/DUMP SYSTEM TR: 1C-130H-2-00GE-00-1, 1C-130H-2-28GS-00-1, and 1C-130H-2-28 Series Job Guides, 1C-130J-2-00GV-00-1 1C-130J-2-28GS-00-1 1C-130J-2-28 Series Job guides												
12.4.1. System Operation								-	-	-	-	-
12.4.2. Perform Operational Check												
12.4.2.1. Dump Pump	*							-	-	-	-	-
12.4.2.2. Jettison Valve(s)	*							-	-	-	-	-
12.4.2.3. Dump Shutoff (X) Valve(s)	*							-	-	-	-	-
12.4.3. Troubleshoot System		*						-	-	-	-	-
12.4.4. Remove and Install Components												
12.4.4.1. Dump Pump								-	-	-	-	-
12.4.4.2. Jettison Valve(s)								-	-	-	-	-
12.4.4.3. Dump Shutoff (X) Valve(s)								-	-	-	-	-
12.4.5. Inspect Components		*						-	-	-	-	-

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		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
1. Tasks, Knowledge And Technical References		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
		5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(2) CDC	(1) Course	(2) CDC
12.5.	VENT SYSTEM TR: 1C-130H-2-00GE-00-1, 1C-130H-2-28GS-00-1, 1C-130H-2-28 Series Job Guides, 1C-130J-2-00GV-00-1, 1C-130J-2-28GS-00-1, and 1C-130J-2-28 Series Job guides												
12.5.1.	System Operation								-	-	-	-	-
12.5.2.	Troubleshoot System		*						-	-	-	-	-
12.5.3.	Remove and Install Components												
12.5.3.1.	Vent System Plumbing								-	-	-	-	-
12.5.3.2.	Vent Valves								-	-	-	-	-
12.5.3.3.	Vent Tank Check Valves								-	-	-	-	-
12.5.3.4.	Vent Tank								-	-	-	-	-
12.5.4.	Inspect Components		*						-	-	-	-	-
12.6.	FUEL INDICATION SYSTEM TR: TO1C-130H-2-00GE-00-1, 1C-130H-2-28GS-00-1, 1C-130H-2-28 Series Job Guides, 1C-130J-2-00GV-00-1, 1C-130J-2-28GS-00-1, 1C-130J-2-28 Series Job guides												
12.6.1.	System Operation								-	-	-	-	-
12.6.2.	Troubleshoot System (In-Tank)		*						-	-	-	-	-
12.6.3.	Remove and Install Components												
12.6.3.1.	Fuel Wiring Harness								-	-	-	-	-
12.6.3.2.	Fuel Pressure Transducer (J- Model)								-	-	-	-	-
12.6.3.3.	Fuel Probe								-	-	-	-	-
12.6.3.4.	Aux Tank Magnetic Sight Gauge								-	-	-	-	-
12.6.4.	Inspect Components		*						-	-	-	-	-

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		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
1. Tasks, Knowledge And Technical References		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
		5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(2) CDC	(1) Course	(2) CDC
12.7.	FUEL STORAGE SYSTEM TR: TO 1C-130H-2-00GE-00-1, 1C-130H-2-28GS-00-1, 1C-130H-2-28 Series Job Guides, 1C-130J-2-00GV-00-1, 1C-130J-2-28GS-00-1, 1C-130J-2-28 Series Job guides												
12.7.1.	System Operation								-	-	-	-	-
12.7.2.	Troubleshoot Auxiliary Fuel Cell(s)		*						-	-	-	-	-
12.7.3.	Remove and Install Components												
12.7.3.1.	Boost Pump Plate(s)								-	-	-	-	-
12.7.3.2.	External Fuel Tank Nose/Tail Cones (American Electric Tanks)								-	-	-	-	-
12.7.3.3.	Filler Cap/Adapter(s)								-	-	-	-	-
12.7.3.4.	Condensation Drain Valve(s)								-	-	-	-	-
12.7.3.5.	Bladder Cells								-	-	-	-	-
12.7.4.	Inspect Components		*						-	-	-	-	-
12.8.	AIR REFUELING SYSTEM TR: TO 1C-130H-2-00GE-00-1, 1C-130H-2-28GS-00-1, 1C-130H-2-28 Series Job Guides, 1C-130J-2-00GV-00-1, 1C-130J-2-28GS-00-1 and 1C-130J-2-28 Series Job guides												
12.8.1.	System Operation								-	-	-	-	-
12.8.2.	Perform Operational Check	*							-	-	-	-	-
12.8.3.	Troubleshoot System		*						-	-	-	-	-
12.8.4.	Remove and Install												
12.8.4.1	UARRSI Assembly								-	-	-	-	-
12.8.4.2	Induction Coil								-	-	-	-	-
12.8.4.3	Signal Amplifier								-	-	-	-	-
12.8.4.4	Actuator								-	-	-	-	-
12.8.5.	Inspect Components		*						-	-	-	-	-

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		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
1. Tasks, Knowledge And Technical References		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
		5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(2) CDC	(1) Course	(2) CDC
12.9	FUSELAGE TANKS (BENSON TANKS) TR: TO 6J14-7-10-1 Series Job Guides												
12.9.1.	System Operation								-	-	-	-	-
12.9.2.	Perform Operational Check								-	-	-	-	-
12.9.3.	Troubleshoot System								-	-	-	-	-
12.9.4.	Remove and Install Components												
12.9.4.1.	Boost Pump								-	-	-	-	-
12.9.4.2.	Fuel Level Control Valve								-	-	-	-	-
12.9.4.3.	Fuel Quantity Probes/Harnesses								-	-	-	-	-
12.9.4.4.	Sump Drains								-	-	-	-	-
12.9.4.5.	Vent System Components								-	-	-	-	-
12.9.5.	Inspect Components								-	-	-	-	-
12.10.	REFUELING PODS TR: 6A8-3-1												
12.10.1.	System Operation								-	-	-	-	-
12.10.2.	Troubleshoot System								-	-	-	-	-
12.10.3.	Remove and Install Components												
12.10.3.1.	Surge Suppressor								-	-	-	-	-
12.10.3.2.	Transmitter								-	-	-	-	-
12.10.3.3.	Fuel Counter								-	-	-	-	-
12.10.4.	Inspect Components								-	-	-	-	-

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C / KC-135 Requirements

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(2) CDC	(1) Course	(2) CDC
NOTE 1: This STS is mandatory if trainee is required to maintain the C / KC-135 aircraft.												
NOTE 2: Items in column 2 marked with an asterisk (*) identify core tasks.												
13.1. C / KC-135 AIRCRAFT GENERAL TR: TO 1C-135-()()-2-5-1												
13.1.1. Perform Periodic Inspections								-	-	-	-	-
13.1.2. Apply and Remove External Electrical Power	*							-	-	-	-	-
13.1.3. Remove, Inspect and Install Fuel Tubing and Coupling								-	-	-	-	-
13.1.4. Perform aircraft safe for maintenance	*							-	-	-	-	-
13.1.5. Connect/Disconnect Aircraft Battery	*							-	-	-	-	-
13.1.6. Connect/Disconnect APU Battery	*							-	-	-	-	-
13.1.7. Prepare Aircraft for Fuel System Maintenance	*							-	-	-	-	-
13.1.8. Perform Fuel Tank Restoration	*							-	-	-	-	-
13.2. ENGINE FEED/CROSSFEED SYSTEM TR: TO 1C-135-2-5-()()-1												
13.2.1. System Operation								-	-	-	-	-
13.2.2. Perform Operational Check												
13.2.2.1. Boost/Override Pump	*							-	-	-	-	-
13.2.2.2. Firewall Shutoff Valve	*							-	-	-	-	-
13.2.2.3. Tank To Engine Manifold Valve	*							-	-	-	-	-
13.2.2.4. Pressure Switch	*							-	-	-	-	-
13.2.3. Troubleshoot System		*						-	-	-	-	-
13.2.4. Remove and Install Components												
13.2.4.1. Boost/Override Pump(s)								-	-	-	-	-
13.2.4.2. Firewall Shutoff Valve								-	-	-	-	-
13.2.4.3. Tank To Engine Manifold Valve								-	-	-	-	-
13.2.4.4. Pressure Switch								-	-	-	-	-
13.2.4.5. Main Tank Dual Check Valve								-	-	-	-	-
13.2.4.6. Center Wing Pump Check Valve								-	-	-	-	-

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	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(2) CDC	(1) Course	(2) CDC
13.2.5. InspectComponents		*						-	-	-	-	-
13.3. REFUEL AND DEFUEL SYSTEM TR: TO 1C-135-()(-)-2-5-1, 1C-135-()(-)-2-5GA-1, and 1C-135-()(-)-2-5GA-2												
13.3.1. System Operation								-	-	-	-	-
13.3.2. Perform Operational Check												
13.3.2.1. Fuel Level Control Valve	*							-	-	-	-	-
13.3.2.2. #1 Refuel Valve	*							-	-	-	-	-
13.3.2.3. #2 Refuel Valve	*							-	-	-	-	-
13.3.2.4. Manual Defuel Valve	*							-	-	-	-	-
13.3.3. Troubleshoot system		*						-	-	-	-	-
13.3.4. Remove and Install Components												
13.3.4.1. Fuel Level Control Valve								-	-	-	-	-
13.3.4.2. #1 Refuel Valve								-	-	-	-	-
13.3.4.3. #2 Refuel Valve								-	-	-	-	-
13.3.4.4. Manual Defuel Valve								-	-	-	-	-
13.3.4.5. SPR Receptacle/Adapter								-	-	-	-	-
13.3.4.6. Gravity Drain Line Vapor Seal								-	-	-	-	-
13.3.4.7. Exterior Fuel Filler Ports								-	-	-	-	-
13.3.4.8. Flex Couplings								-	-	-	-	-
13.3.5. Inspect Components		*						-	-	-	-	-
13.4. TRANSFER AND DUMP SYSTEM TR: 1C-135-2-5-()(-)-1												
13.4.1. System Operation								-	-	-	-	-
13.4.2. Perform Operational Check												
13.4.2.1. Gravity Transfer Valves	*							-	-	-	-	-
13.4.2.2. Line Valve	*							-	-	-	-	-
13.4.2.3. Dump Valve								-	-	-	-	-
13.4.3. Troubleshoot System		*						-	-	-	-	-
13.4.4. Remove / Install Components												

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CFETP 2A6X4, 1 September 2018

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(2) CDC	(1) Course	(2) CDC
13.4.4.1. Gravity Transfer Valves								-	-	-	-	-
13.4.4.2. Dump Valve								-	-	-	-	-
13.4.4.3. Line Valve								-	-	-	-	-
13.4.5. Inspect Components		*						-	-	-	-	-
13.5. AIR REFUELING AND RECEIVER SYSTEM TR: TO 1C-135-()(-)-2-5JG-7 THRU 15, 1C-135-()(-)-2-6JG-8, -11, 1C-135-()(-)-2-6, 1C-135-2-6, and 1C-135-()(-)-2-5GA-1												
13.5.1. System Operation								-	-	-	-	-
13.5.2. Perform Operational Check												
13.5.2.1. Air Refueling Pump/Motor	*							-	-	-	-	-
13.5.2.2. Receiver and Scavenge System								-	-	-	-	-
13.5.2.3. Receiver Checkout (dry)								-	-	-	-	-
13.5.2.4. Receiver Checkout (wet)								-	-	-	-	-
13.5.2.5. #7 Valve	*							-	-	-	-	-
13.5.3. Troubleshoot System												
13.5.3.1. Receiver and Scavenge System								-	-	-	-	-
13.5.3.2. Air Refueling Pumps		*						-	-	-	-	-
13.5.4. Remove / Install Components												
13.5.4.1. Line Valves								-	-	-	-	-
13.5.4.2. Fuel Pumps								-	-	-	-	-
13.5.4.3. Fuel Pump Motors								-	-	-	-	-
13.5.4.4. Fuel Pump check valves								-	-	-	-	-
13.5.4.5. Float Switch								-	-	-	-	-
13.5.4.6. Shutoff Valve								-	-	-	-	-
13.5.4.7. #7 Valve								-	-	-	-	-
13.5.5. Inspect Components		*						-	-	-	-	-

C / KC-135 Requirements

CFETP 2A6X4, 1 September 2018

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(2) CDC	(1) Course	(2) CDC
13.6. PRESSURIZATION AND VENT SYSTEM TR: TO 1C-135-()(-)-2-5-1, 1C-135-()(-)-2-5GA-1, 1C-135-()(-)-2-5JG-5, and 1C-135-2-5GA-1												
13.6.1. Systems Operation								-	-	-	-	-
13.6.2. Perform Operational Check								-	-	-	-	-
13.6.3. Wing Tank Vent System Leak Test (Positive)	*							-	-	-	-	-
13.6.4. Troubleshoot System		*						-	-	-	-	-
13.6.5. Remove and Install Components												
13.6.5.1. Float Arm Valve								-	-	-	-	-
13.6.5.2. Float Valve								-	-	-	-	-
13.6.5.3. Bulkhead Fittings								-	-	-	-	-
13.6.5.4. Surge tank check valves								-	-	-	-	-
13.6.5.5. Ram Air scoop foam								-	-	-	-	-
13.6.5.6. Plenum chamber								-	-	-	-	-
13.6.5.7. Ram Air Scoop								-	-	-	-	-
13.6.6. Inspect Components		*						-	-	-	-	-
13.7. FUEL QUANTITY INDICATING SYSTEM TR: 1C-135-2-5GA-1 and 1C-135-()(-)-2-5-1												
13.7.1. System Operation								-	-	-	-	-
13.7.2. Remove and Install Fuel Probes								-	-	-	-	-
13.7.3. Inspect Components		*						-	-	-	-	-
13.8. INTEGRAL FUEL TANK MAINTENANCE TR: 1C-135-2-5-2 and 1C-135-()(-)-2-5-2												
13.8.1. Integral Tank Construction Features								-	-	-	-	-
13.8.2. Tank and Access Door Sealing Methods								-	-	-	-	-

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CFETP 2A6X4, 1 September 2018

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(2) CDC	(1) Course	(2) CDC
13.8.3. Remove/install tank access door	*							-	-	-	-	-
13.8.4. Leak Path Analysis	*							-	-	-	-	-
13.8.5. Perform High/Low Pressure Injection Repair								-	-	-	-	-
13.9. BODY TANK VENT SYSTEM TR: TO 1C-135-()(-)-2-5-1, 1C-135-()(-)-2-7GA-1, 1C-135-()(-)-2-5JG-5 THRU 15, 1C-135-2-5-1 and 1C-135-2-5-2												
13.9.1. System Operation								-	-	-	-	-
13.9.2. Troubleshoot System		*						-	-	-	-	-
13.9.3. Inspect Components		*						-	-	-	-	-
13.10. BLADDER CELLS TR: 1C-135-2-5-1 and 1C-135-2-5-2												
13.10.1. Perform Leak Source Isolation	*							-	-	-	-	-
13.10.2. Perform Cabin Pressure Checkout	*							-	-	-	-	-
13.10.3. Identify Cavity Drains	*							-	-	-	-	-
13.10.4. Remove and Install Components												
13.10.4.1. Body Tank Cells								-	-	-	-	-
13.10.4.2. Upper deck cell								-	-	-	-	-
13.10.4.3. Center Wing Tank Cells								-	-	-	-	-
13.10.4.4. Inspect Components		*						-	-	-	-	-
13.11. APU FUEL FEED SYSTEMS TR: 1C-135-2-5-1, 1C-135-2-16, 1C-135-()(-)-2-16GA-1, 1C-135-()(-)-2-5JG-2 and 1C-135-()(-)-2-5JG-1 thru -5												
13.11.1. System Operation								-	-	-	-	-
13.11.2. Perform Operational Check of Fuel Pump								-	-	-	-	-
13.11.3. Troubleshoot Fuel Pump								-	-	-	-	-
13.11.4. Remove/Install Fuel Pump								-	-	-	-	-
13.11.5. Inspect Components		*						-	-	-	-	-

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E-3 Requirements

CFETP 2A6X4, 1 September 2018

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
NOTE 1: This STS is mandatory if trainee is required to maintain the E-3 aircraft. NOTE 2: Items in column 2 marked with an asterisk (*) identify core tasks.												
14. E-3												
14.1 E-3 AIRCRAFT GENERAL TR: TOs 1E-3A-2-1-1 and 1E-3A-2-28-1, 1E-3A-2-7												
14.1.1. Aircraft Safety Precautions								-	-	-	-	-
14.1.2. Apply/Remove External Power Safety Precautions	*							-	-	-	-	-
14.1.3. Remove, Inspect, and Install Fuel Tubing and Couplings	*							-	-	-	-	-
14.1.4. Perform Aircraft Safe for maintenance	*							-	-	-	-	-
14.1.5. Transfer fuel between tanks for maintenance	*							-	-	-	-	-
14.1.6. Disconnect/connect Aircraft Main and Emergency Batteries	*							-	-	-	-	-
14.2 ENGINE FUEL FEED AND CROSSFEED SYSTEMS TR: TO 1E-3A-2-28-1, Sect V												
14.2.1. System Operation								-	-	-	-	-
14.2.2. Perform Operational Check												
14.2.2.1. Engine Feed/Crossfeed System	*							-	-	-	-	-
14.2.2.2. Liquid Cooling System								-	-	-	-	-
14.2.2.3. Reserve Tank Transfer System	*							-	-	-	-	-
14.2.3. Troubleshoot System												
14.2.3.1. Engine Feed System		*						-	-	-	-	-
14.2.3.2. Liquid Cooling System		*						-	-	-	-	-
14.2.3.3. Reserve Tank Transfer System		*						-	-	-	-	-
14.2.4. Remove/Install Components												
14.2.4.1. Boost Pump								-	-	-	-	-
14.2.4.2. Override Pump								-	-	-	-	-
14.2.4.3. Engine Fuel Shut-off Valve								-	-	-	-	-
14.2.4.4. Engine Crossfeed Valve								-	-	-	-	-

E-3 Requirements

CFETP 2A6X4, 1 September 2018

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
14.2.4.5. Dual Check Valve								-	-	-	-	-
14.2.4.6. Fuel Low Pressure Switches								-	-	-	-	-
14.2.4.7. Liquid Cooling Shut-off Valve								-	-	-	-	-
14.2.4.8. Reserve Tank Transfer Valve								-	-	-	-	-
14.2.5. Inspect Components		*						-	-	-	-	-
14.3. APU FUEL SYSTEM TR: TOs 1E-34-2-28-1 and 1E-34-2-49												
14.3.1. System Operation								-	-	-	-	-
14.3.2. Remove/Install Components												
14.3.2.1. Shut off Valve								-	-	-	-	-
14.3.2.2. Check Valve								-	-	-	-	-
14.3.2.3. Inlet Screen								-	-	-	-	-
14.3.3. Inspect Components		*						-	-	-	-	-
14.4. GROUND REFUEL AND DEFUEL SYSTEM TR: TO 1E-3A-2-28-1, Sect VI												
14.4.1. System Operation								-	-	-	-	-
14.4.2. Perform Operational Check												
14.4.2.1. Ground Refueling System	*							-	-	-	-	-
14.4.2.2. Ground Refuel Precheck System	*							-	-	-	-	-
14.4.2.3. Ground Defueling System	*							-	-	-	-	-
14.4.3. Troubleshoot System												
14.4.3.1. Ground Refuel System		*						-	-	-	-	-
14.4.3.2. Ground Refuel Precheck System		*						-	-	-	-	-
14.4.3.3. Ground Defuel System		*						-	-	-	-	-
14.4.3.4. Manifold Coupling Drain System		*						-	-	-	-	-
14.4.4. Remove/Install Components												
14.4.4.1. Single Point Receptacle								-	-	-	-	-
14.4.4.2. Main Refueling Valve								-	-	-	-	-
14.4.4.3. Fuel Level Control Valve	*							-	-	-	-	-
14.4.4.4. Dual Pilot Valve	*							-	-	-	-	-

E-3 Requirements

CFETP 2A6X4, 1 September 2018

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
14.4.4.5. Secondary Float Switch	*							-	-	-	-	-
14.4.4.6. Defuel Valve								-	-	-	-	-
14.4.5. Inspect Components		*						-	-	-	-	-
14.5. FUEL JETTISON SYSTEM TR: TO 1E-3A-2-28-1, Sect VII												
14.5.1. System Operation								-	-	-	-	-
14.5.2. Perform Operational Check of Fuel Jettison Valve(s)	*							-	-	-	-	-
14.5.3. Troubleshoot System												
14.5.3.1. Fuel Jettison Chute		*						-	-	-	-	-
14.5.3.2. Fuel Jettison Valve(s)		*						-	-	-	-	-
14.5.4. Remove/Install/Components												
14.5.4.1. Fuel Dump Valve(s)	*							-	-	-	-	-
14.5.4.2. Inspect Fuel Dump Valve(s)		*						-	-	-	-	-
14.6. FUEL VENT SYSTEM TR: TO 1E-3A-2-28-1, Sect VIII												
14.6.1. System Operation								-	-	-	-	-
14.6.2. Perform Vent System Leak Test								-	-	-	-	-
14.6.3. Troubleshoot System		*						-	-	-	-	-
14.6.4. Remove/Install Components												
14.6.4.1. Vent Float Valve								-	-	-	-	-
14.6.4.2. Vent End Elbow								-	-	-	-	-
14.6.4.3. Ram Air Scoop Panel								-	-	-	-	-
14.6.4.4. Surge Tank Drain Check Valve								-	-	-	-	-
14.6.5. Inspect Components		*						-	-	-	-	-
14.7. AIR REFUELING (A/R) RECEIVER SYSTEM TR: TOs 1E-3A-2-28-1, Sect IX and 6A6-3-3												
14.7.1. System Operation								-	-	-	-	-

E-3 Requirements

CFETP 2A6X4, 1 September 2018

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
14.7.2. Perform Operational Check												
14.7.2.1. A/R Receptacle	*							-	-	-	-	-
14.7.2.2. A/R Manifold Scavenge System								-	-	-	-	-
14.7.2.3. A/R Signal System	*							-	-	-	-	-
14.7.3. Troubleshoot System												
14.7.3.1. A/R Receptacle		*						-	-	-	-	-
14.7.3.2. A/R Manifold Scavenge System								-	-	-	-	-
14.7.3.3. A/R Signal System		*						-	-	-	-	-
14.7.3.4. A/R Manifold Drain System		*						-	-	-	-	-
14.7.4. Remove/Install Components												
14.7.4.1. Induction Coil								-	-	-	-	-
14.7.4.2. Sliding Valve Assembly	*							-	-	-	-	-
14.7.4.3. Pressure Disconnect Switch								-	-	-	-	-
14.7.4.4. Manifold Scavenge Check Valve Assembly								-	-	-	-	-
14.7.4.5. A/R Receptacle Assembly								-	-	-	-	-
14.7.5. Inspect Components		*						-	-	-	-	-
14.8. FUEL QUANTITY INDICATING SYSTEM TR: TO 1E-3A-2-28-1, Sect X and 1E-3A-2-28-1-1												
14.8.1. System Operation								-	-	-	-	-
14.8.2. Remove/Install Components												
14.8.2.1. Probe and compensator	*							-	-	-	-	-
14.8.2.2. Wire harness	*							-	-	-	-	-
14.8.2.3. Fuel drip stick								-	-	-	-	-
14.8.3. Inspect Components		*						-	-	-	-	-
14.9. INTEGRAL WING TANKS TR: TO 1E-3A-2-28-1, Sect X												
14.9.1. Perform Center Wing Leak Isolation Procedures								-	-	-	-	-

E-3 Requirements

CFETP 2A6X4, 1 September 2018

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
14.9.2. Perform Positive Pressure Test on Integral Tanks	*							-	-	-	-	-
14.9.3. Remove/Install Tank Drains	*							-	-	-	-	-
14.9.4. Inspect Components		*						-	-	-	-	-
14.10. FUEL BLADDER CELLS TR: TO 1E-3A-2-28-1, Sect III												
14.10.1. Perform Cavity Drain System Leak Isolation								-	-	-	-	-

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E-4 Requirements

CFETP 2A6X4, 1 September 2018

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(2) CDC	(1) Course	(2) CDC
NOTE 1: This STS is mandatory if trainee is required to maintain the E-4 aircraft.												
NOTE 2: Items in column 2 marked with an asterisk (*) identify core tasks.												
15. E-4												
15.1. E-4 AIRCRAFT GENERAL TR: TO 1E-4B-2-28-00-00 and 1E4B-2-28-11-00												
15.1.1. Aircraft Safety Precautions								-	-	-	-	-
15.1.2. Apply/Remove External Power								-	-	-	-	-
15.1.3. Remove, Inspect, and Install Fuel Tubing and Couplings								-	-	-	-	-
15.1.4. Perform Aircraft safe for maintenance	*							-	-	-	-	-
15.2. ENGINE FEED/CROSS FEED SYSTEM TR: TO 1E-4B-2-28-22-00												
15.2.1. System Operation								-	-	-	-	-
15.2.2. Perform Operational Check												
15.2.2.1. Boost Pumps	*							-	-	-	-	-
15.2.2.2. Shutoff Valves	*							-	-	-	-	-
15.2.3. Troubleshoot System		*						-	-	-	-	-
15.2.4. Remove/Install Components												
15.2.4.1. Boost Pumps								-	-	-	-	-
15.2.4.2. Shutoff Valves								-	-	-	-	-
15.2.4.3. Shutoff Valve Actuators								-	-	-	-	-
15.2.5. Inspect Components		*						-	-	-	-	-
15.3. REFUEL AND DEFUEL SYSTEM TR: TO 1E-4B-2-28-21-00 and 1E-4B-2-28-26-00												
15.3.1. System Operation								-	-	-	-	-
15.3.2. Perform Operational Check												
15.3.2.1. Fuel Control Valves	*							-	-	-	-	-
15.3.2.2. Manifold Valves	*							-	-	-	-	-
15.3.3. Troubleshoot System		*						-	-	-	-	-
15.3.4. Remove/Install Components												
15.3.4.1. Fuel Control Valves								-	-	-	-	-

E-4 Requirements

CFETP 2A6X4, 1 September 2018

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(2) CDC	(1) Course	(2) CDC
15.3.4.2. Manifold Valves								-	-	-	-	-
15.3.5. Inspect Components		*						-	-	-	-	-
15.4. TRANSFER SYSTEM TR: TO 1E-4B-2-28-16-00												
15.4.1. System Operation								-	-	-	-	-
15.4.2. Perform Operational Check												
15.4.2.1. Transfer Valves	*							-	-	-	-	-
15.4.2.2. Operate Pumps	*							-	-	-	-	-
15.4.3. Troubleshoot System		*						-	-	-	-	-
15.4.4. Remove/Install Components												
15.4.4.1. Transfer Valves								-	-	-	-	-
15.4.4.2. Transfer Valve Actuators								-	-	-	-	-
15.4.4.3. Pumps								-	-	-	-	-
15.4.5. Inspect Components		*						-	-	-	-	-
15.5. AIR REFUELING RECEIVER SYSTEM TR: TO 1E-4B-2-28-23-00												
15.5.1. System Operation								-	-	-	-	-
15.5.2. Remove/Install Overboard Manifold Drain Couplings								-	-	-	-	-
15.5.3. Inspect Components		*						-	-	-	-	-
15.6. PRESSURIZATION AND VENT SYSTEM TR: TO 1E-4B-2-28-13-00												
15.6.1. System Operation								-	-	-	-	-
15.6.2. Perform Operational Check	*							-	-	-	-	-
15.6.3. Troubleshoot System		*						-	-	-	-	-
15.6.4. Remove/Install Components												
15.6.4.1. Float Valve								-	-	-	-	-
15.6.4.2. Vent Valve								-	-	-	-	-
15.6.4.3. Surge Tank Check Valve								-	-	-	-	-
15.6.5. Inspect Components		*						-	-	-	-	-
15.7. JETTISON SYSTEM TR: TO 1E-4B-2-28-31-00												

E-4 Requirements

CFETP 2A6X4, 1 September 2018

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(2) CDC	(1) Course	(2) CDC
15.7.1. System Operation								-	-	-	-	-
15.7.2. Perform Operational Check	*							-	-	-	-	-
15.7.3. Troubleshoot System		*						-	-	-	-	-
15.7.4. Remove/Install Components												
15.7.4.1. Actuators								-	-	-	-	-
15.7.4.2. Valves								-	-	-	-	-
15.7.4.3. Pumps								-	-	-	-	-
15.7.5. Inspect Components		*						-	-	-	-	-
15.8. APU FUEL SYSTEM TR: TO 1E-4B-2-28-25-00 and 1E-4B-2-49												
15.8.1. System Operation								-	-	-	-	-
15.8.2. Perform Operational Check								-	-	-	-	-
15.8.3. Troubleshoot System		*						-	-	-	-	-
15.8.4. Remove/Install Components												
15.8.4.1. Pump								-	-	-	-	-
15.8.4.2. Housing								-	-	-	-	-
15.8.4.3. Shrouds								-	-	-	-	-
15.8.4.4. Lightning arrestor								-	-	-	-	-
15.8.5. Inspect Components		*						-	-	-	-	-
15.9. SCAVENGE SYSTEM TR: TO 1E-4B-2-28-15-00												
15.9.1. System Operation								-	-	-	-	-
15.9.2. Perform Operational Check												
15.9.2.1. Center Wing Tank Scavenge System	*							-	-	-	-	-
15.9.2.2. ARR Manifold Scavenge System	*							-	-	-	-	-
15.9.3. Troubleshoot System												
15.9.3.1. Center Wing Tank Scavenge System		*						-	-	-	-	-
15.9.3.2. ARR Manifold Scavenge System		*						-	-	-	-	-
15.9.4. Remove/Install Components												
15.9.4.1. Actuators								-	-	-	-	-

E-4 Requirements

CFETP 2A6X4, 1 September 2018

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(2) CDC	(1) Course	(2) CDC
15.9.4.2. Valves								-	-	-	-	-
15.9.4.3. Pumps								-	-	-	-	-
15.9.5. Inspect Components		*						-	-	-	-	-
15.10. FUEL QUANTITY INDICATING SYSTEM TR: TO 1E-4B-2-28-41-00												
15.10.1. Remove Probes								-	-	-	-	-
15.10.2. Install Probes								-	-	-	-	-
15.10.3. Inspect Components		*						-	-	-	-	-
15.11. INTEGRAL WING TANKS TR: TO 1E-4B-2-28-11-00												
15.11.1. Perform Injection Repair of Wing Tanks								-	-	-	-	-
15.11.2. Remove/Install Tank Drains								-	-	-	-	-
15.11.3. Perform Positive Pressure Test on Integral Tanks	*							-	-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(2) CDC	(1) Course	(2) CDC
NOTE 1: This STS is mandatory if trainee is required to maintain the F-15 aircraft.												
NOTE 2: Items in column 2 marked with an asterisk (*) identify core tasks.												
16. F-15												
16.1. F-15 AIRCRAFT GENERAL TR: TO 1F-15-()-2-28GS, 1F-15-() -05JG-00-1, 1F 15-()-2-28JG series												
16.1.1. Safety Precautions								-	-	-	-	-
16.1.2. Safe for Maintenance	*							-	-	-	-	-
16.1.3. Apply/Remove External Power	*							-	-	-	-	-
16.1.4. Remove, Inspect, and Install Fuel Tubing and Couplings	*							-	-	-	-	-
16.1.5. Remove/Install Aircraft Panels								-	-	-	-	-
16.2. ENGINE FUEL SUPPLY DISTRIBUTION SYSTEMS TR: TO 1F-15-()-2-28GS-00-1, and 1F-15-()-2-28JG for 1F-15-()-2-73JG Task 6J14-5-19-3, 6J12-19-3												
16.2.1. System Operation								-	-	-	-	-
16.2.2. Perform Operational Checks	*							-	-	-	-	-
16.2.3. Troubleshoot System		*						-	-	-	-	-
16.2.4. Remove/Install Components												
16.2.4.1. Fuel Oil Heat Exchangers (FOHE)								-	-	-	-	-
16.2.4.2. Engine to Airframe Manifolds	*							-	-	-	-	-
16.2.4.3. Fuel Flow Transmitters	*							-	-	-	-	-
16.2.4.4. Externally Mounted Boost Pumps								-	-	-	-	-
16.2.4.5. Externally Mounted Boost Pumps Pressure Switches								-	-	-	-	-
16.2.4.6. Emergency Boost Pump/Switches								-	-	-	-	-
16.2.4.7. Engine Fuel Shutoff Valves/Switches								-	-	-	-	-
16.2.4.8. Crossfeed Valve								-	-	-	-	-
16.2.5. Rebuild Engine to Airframe Manifolds	*							-	-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(2) CDC	(1) Course	(2) CDC
16.2.6. Inspect Components		*						-	-	-	-	-
16.3. FUEL TEMPERATURE AND PRESSURE INDICATING SYSTEM TR: Applicable Aircraft TOs 1F-15-()-2-28GS-00-1 and 1F-15-2-28JG												
16.3.1. System Operation								-	-	-	-	-
16.3.2. Perform Operational Check	*							-	-	-	-	-
16.3.3. Troubleshoot System		*						-	-	-	-	-
16.3.4. Remove/Install Components												
16.3.4.1. Hot Fuel Recirculation Valves								-	-	-	-	-
16.3.4.2. Temperature Switches								-	-	-	-	-
16.3.5. Inspect Components		*						-	-	-	-	-
16.4. FUEL DUMP SYSTEM TR: TO 1F-15-()-2-28GS-00-1 and 1F-15-()-2-28JG												
16.4.1. System Operation								-	-	-	-	-
16.4.2. Perform Operational Check	*							-	-	-	-	-
16.4.3. Troubleshoot System		*						-	-	-	-	-
16.4.4. Remove/Install Components												
16.4.4.1. Dump Valve Actuator								-	-	-	-	-
16.4.4.2. Dump valve body								-	-	-	-	-
16.4.4.3. Flame Arrestors								-	-	-	-	-
16.4.5. Inspect Components		*						-	-	-	-	-
16.5. INTERNALTRANSFER DISTRIBUTION SYSTEM TR: TO 1F-15-()-2-28GS-00-1 and appropriate 1F-15-()-2- 28JG for Task												
16.5.1. System Operation								-	-	-	-	-
16.5.2. Perform Operational Checks	*							-	-	-	-	-
16.5.3. Troubleshoot System		*						-	-	-	-	-
16.5.4. Remove/Install Components												
16.5.4.1. Fuel Ejector Pumps								-	-	-	-	-
16.5.4.2. Wing Transfer Pumps								-	-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(2) CDC	(1) Course	(2) CDC
16.5.4.3. #1 Transfer Pump								-	-	-	-	-
16.5.4.4. Current Monitor								-	-	-	-	-
16.5.4.5. Gravity Transfer Interconnect Valves								-	-	-	-	-
16.5.4.6. Pylon To Aircraft Fuel Disconnect								-	-	-	-	-
16.5.5. Inspect Components		*						-	-	-	-	-
16.6. GROUND REFUELING AND DEFUELING SYSTEMS TR: TO 1F-15-()-2-28GS-00-1 and 1F-15-()-2-28JG												
16.6.1. System Operation												
16.6.1.1 Perform Defuel								-	-	-	-	-
16.6.1.2. Perform Refuel (w/ power)								-	-	-	-	-
16.6.1.3. Perform Refuel (w/o power)								-	-	-	-	-
16.6.2. Perform Operational Checks												
16.6.2.1. With Refuel Trucks	*							-	-	-	-	-
16.6.2.2. With Transfer Hose								-	-	-	-	-
16.6.2.3. Over Pressurization Protection Shutoff Valve								-	-	-	-	-
16.6.3. Troubleshoot System		*						-	-	-	-	-
16.6.4. Remove/Install Components												
16.6.4.1. Fuel Pressure Relief Valves								-	-	-	-	-
16.6.4.2. Recovery Drain Valves								-	-	-	-	-
16.6.4.3. Ground Refuel/Defuel Receptacles								-	-	-	-	-
16.6.4.4. Refuel/Transfer Level Control Pilot Valves								-	-	-	-	-
16.6.4.5. Refuel/Transfer Shutoff Valves								-	-	-	-	-
16.6.5. Inspect Components		*						-	-	-	-	-
16.7. AIR REFUELING (A/R) RECEIVER SYSTEM TR: TO 1F-15-()-2-28GS-00-1 and 1F-15-()-2-28JG												
16.7.1. System Operation								-	-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(2) CDC	(1) Course	(2) CDC
16.7.2. Perform Operational Check	*							-	-	-	-	-
16.7.3. Troubleshoot System		*						-	-	-	-	-
16.7.4. Remove/Install Components												
16.7.4.1. A/R Receptacle								-	-	-	-	-
16.7.4.2. A/R Check Valve Assembly								-	-	-	-	-
16.7.4.3. FWD and AFT Slipway Doors								-	-	-	-	-
16.7.4.4. A/R Pressure Switch								-	-	-	-	-
16.7.5. Inspect Components		*						-	-	-	-	-
16.8. PRESSURIZATION AND VENT DISTRIBUTION SYSTEM TR: TO 1F-15-()-2-28GS-00-1 and 1F-15-()-2-28JG												
16.8.1. System Operation								-	-	-	-	-
16.8.2. Perform Operational Check												
16.8.2.1. During Engine Run	*							-	-	-	-	-
16.8.2.2. Ground Air Source	*							-	-	-	-	-
16.8.3. Troubleshoot System		*						-	-	-	-	-
16.8.4. Remove/Install Components												
16.8.4.1. Dive Vent Check Valves								-	-	-	-	-
16.8.4.2. Air Pressure Regulator								-	-	-	-	-
16.8.4.3. Fuel Pressurization Shutoff Valves								-	-	-	-	-
16.8.4.4. Pressure Relief and Vent Valves								-	-	-	-	-
16.8.4.5. Ram Air Inlet Control Valve								-	-	-	-	-
16.8.4.6. Pylon to Aircraft Air Disconnect								-	-	-	-	-
16.8.4.7. Hot Air Check Valves								-	-	-	-	-
16.8.5. Inspect Components		*						-	-	-	-	-
16.9. FUEL QUANTITY INDICATING SYSTEM TR: TO 1F-15-()-2-28GS-00-1 and 1F-15-()-2-28JG												

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(2) CDC	(1) Course	(2) CDC
16.9.1. System Operation								-	-	-	-	-
16.9.2. Remove/Install Fuel Quantity Units	*							-	-	-	-	-
16.9.3. Inspect Components		*						-	-	-	-	-
16.10. EXTERNAL FUEL TANK MAINTENANCE TR: 6J14-5-11-3-1, 6J14-2-34-3												
16.10.1. Perform Certification Checks	*							-	-	-	-	-
16.10.2. Troubleshoot		*						-	-	-	-	-
16.10.3. Remove and Install Components								-	-	-	-	-
16.10.4. Pressure Check External Tanks								-	-	-	-	-
16.10.5. Denest External Fuel Tank Canisters								-	-	-	-	-
16.10.6. Perform External Fuel Tank Build-up Procedures								-	-	-	-	-
16.10.7. Inspect Tank and Components		*						-	-	-	-	-
16.11. F-15 PYLON MAINTENANCE TR: TO 16W6-25-3												
16.11.1. System Operation								-	-	-	-	-
16.11.2. Perform Leak Test								-	-	-	-	-
16.11.3. Troubleshoot		*						-	-	-	-	-
16.11.4. Remove/Install Components												
16.11.4.1. Stand Pipes	*							-	-	-	-	-
16.11.4.2. Air Pressure Regulators	*							-	-	-	-	-
16.11.4.3. Pressure and Vent Valves	*							-	-	-	-	-
16.11.4.4. Hot Air Check Valves	*							-	-	-	-	-
16.11.5. Inspect Components		*						-	-	-	-	-
16.12. CONFORMAL FUEL TANK (CFT) TR: TO 1F-15E-28GS-00-1, (28-22-00), and 6J14-5-11-3-1												
16.12.1. System Operation								-	-	-	-	-
16.12.2. Perform Operational Check	*							-	-	-	-	-

F-15 Requirements

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	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(2) CDC	(1) Course	(2) CDC
16.12.3. Troubleshoot		*						-	-	-	-	-
16.12.4. Remove/Install Components												
16.12.4.1. Flame Arrestor								-	-	-	-	-
16.12.4.2. Dive Vent Check Valves								-	-	-	-	-
16.12.4.3. Pressure Relief and Vent Valve								-	-	-	-	-
16.12.4.4. Ram Air Control Valve								-	-	-	-	-
16.12.4.5. Fuel Quantity Units								-	-	-	-	-
16.12.4.6. Defuel Receptacle								-	-	-	-	-
16.12.4.7. Transfer Pumps								-	-	-	-	-
16.12.4.8. Ejector Pump								-	-	-	-	-
16.12.4.9. Refuel Level Control Valve								-	-	-	-	-
16.12.4.10. Float Switch								-	-	-	-	-
16.12.4.11. Stand Pipe								-	-	-	-	-
16.12.5. Inspect Tank and Components		*						-	-	-	-	-
16.12.6. Operate, Inspect and maintain Conformal Tank Certifier								-	-	-	-	-
16.13. FUEL STORAGE SYSTEM TR: TO 1F-15-()-2-28GS-00-1, 1-1-692, 1F-15-()-2-28JG1-1-3, and 1F-15-()-3-5												
16.13.1. Identify Fuselage Cavity Drains	*							-	-	-	-	-
16.13.2. Perform Injection Repair of Wing Tanks	*							-	-	-	-	-

F-16 Requirements

CFETP 2A6X4, 1 September 2018

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(2) CDC	(1) Course	(2) CDC
NOTE 1: This STS is mandatory if trainee is required to maintain the F-16 aircraft.												
NOTE 2: Items in column 2 marked with an asterisk (*) identify core tasks.												
17. F-16												
17.1. F-16 AIRCRAFT GENERAL TR: TO 1F-16(-)-2-28GS-00-2, 1F-16(-)-6, 1F-16(-)-2-53JG, 1F-16(-)-2-54, 1F-16(-)-2-28JG												
17.1.1. Perform Aircraft Safe for Maintenance	*							-	-	-	-	-
17.1.2. Safety Precautions								-	-	-	-	-
17.1.3. Apply/Remove External Power	*							-	-	-	-	-
17.1.4. Apply Hydraulic Power								-	-	-	-	-
17.1.5. Apply Cooling Air	*							-	-	-	-	-
17.1.6. Remove/Install Access Panels	*							-	-	-	-	-
17.1.7. Remove, Install, and Inspect Fuel Tubing and Couplings								-	-	-	-	-
17.2. ENGINE FEED AND CROSSFEED SYSTEMS TR: TO 1F-16(-)-2-28FI-00-1, 1F-16(-)-2-28GS-00-2, and 1F-16(-)-2-28JG												
17.2.1. System Operation								-	-	-	-	-
17.2.2. Perform Operational Check												
17.2.2.1. Advisory Light Panel	*							-	-	-	-	-
17.2.2.2. Fuel Flow Proportioner	*							-	-	-	-	-
17.2.2.3. Fuel/Oil Heat Exchanger	*							-	-	-	-	-
17.2.2.4. Crossfeed Valve	*							-	-	-	-	-
17.2.2.5. Fuel Flow Divider	*							-	-	-	-	-
17.2.2.6. Boost Pumps	*							-	-	-	-	-
17.2.2.7. Boost Pump Pressure Switches	*							-	-	-	-	-
17.2.2.8. Main Fuel Shut Off Valve	*							-	-	-	-	-
17.2.2.9. Thermal Bypass Valve	*							-	-	-	-	-
17.2.2.10. IDG/ADG By-Pass valve	*							-	-	-	-	-
17.2.3. Troubleshoot System		*						-	-	-	-	-

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(2) CDC	(1) Course	(2) CDC
17.2.4. Remove and Install Components												
17.2.4.1. Fuel Flow Proportioner								-	-	-	-	-
17.2.4.2. Fuel/Oil Heat Exchanger								-	-	-	-	-
17.2.4.3. Crossfeed Valve								-	-	-	-	-
17.2.4.4. Fuel Flow Divider								-	-	-	-	-
17.2.4.5. Boost Pumps								-	-	-	-	-
17.2.4.6. Boost Pump Pressure Switches								-	-	-	-	-
17.2.4.7. Fuel Flow Transmitter								-	-	-	-	-
17.2.4.8. Fuel Temp switch								-	-	-	-	-
17.2.4.9. Main Fuel Shut-off Valve								-	-	-	-	-
17.2.4.10. Fuel Flow Proportioner Hydraulic Motor								-	-	-	-	-
17.2.4.11. Thermal Bypass Valve								-	-	-	-	-
17.2.5. IDG/ADG By-Pass valve								-	-	-	-	-
17.2.6. Jet Fuel Starter By-pass valve								-	-	-	-	-
17.2.7. Jet Fuel Starter Filter								-	-	-	-	-
17.2.8. Inspect Components		*						-	-	-	-	-
17.3. TRANSFER SYSTEM TR: TO 1F-16-()-2-28FI-00-1, 1F-16-()-2-28GS-00-2, and 1F-16-()-2-28JG												
17.3.1. System Operation								-	-	-	-	-
17.3.2. Perform Operational Check												
17.3.2.1. Fuel Ejector Pumps	*							-	-	-	-	-
17.3.2.2. Transfer Pumps	*							-	-	-	-	-
17.3.2.3. Pressure Switches	*							-	-	-	-	-
17.3.2.4. Turbine Pumps	*							-	-	-	-	-
17.3.2.5. Forward Transfer Trim	*							-	-	-	-	-
17.3.2.6. Air Ejector Pump	*							-	-	-	-	-
17.3.2.7. Transfer Override control switch								-	-	-	-	-
17.3.3. Troubleshoot System		*						-	-	-	-	-

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(2) CDC	(1) Course	(2) CDC
17.3.4. Remove and Install Components												
17.3.4.1. Fuel Ejector Pump								-	-	-	-	-
17.3.4.2. Transfer Pump								-	-	-	-	-
17.3.4.3. Pressure Switches								-	-	-	-	-
17.3.4.4. Turbine Pumps								-	-	-	-	-
17.3.4.5. Forward Transfer Trim Valve								-	-	-	-	-
17.3.4.6. Air Ejector Pump								-	-	-	-	-
17.3.4.7. Transfer Override control switch								-	-	-	-	-
17.3.5. Inspect Components		*						-	-	-	-	-
17.4. GROUND REFUELING/ DEFUELING SYSTEMS TR: TO 1F-16-()-2-28FI-00-1, 1F-16-()-2-28GS-00-2, and 1F-16-()-2-28JG												
17.4.1. System Operation								-	-	-	-	-
17.4.2. Perform Operational Check												
17.4.2.1. Shutoff Valves	*							-	-	-	-	-
17.4.2.2. Shuttle Valves	*							-	-	-	-	-
17.4.2.3. Wing Float Valve	*							-	-	-	-	-
17.4.2.4. Refueling Spools	*							-	-	-	-	-
17.4.3. Troubleshoot System		*						-	-	-	-	-
17.4.4. Remove and Install Components												
17.4.4.1. Shutoff Valves								-	-	-	-	-
17.4.4.2. Shuttle Valves								-	-	-	-	-
17.4.4.3. Wing Float Valve								-	-	-	-	-
17.4.4.4. Single Point Receptacle								-	-	-	-	-
17.4.4.5. Refueling Spools								-	-	-	-	-
17.4.5. Inspect Components		*						-	-	-	-	-

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(2) CDC	(1) Course	(2) CDC
17.5. AIR REFUELING RECEIVER SYSTEM TR:TO 1F-16-()-2-28FI-00-1 1F-16-()-2-28GS-00-2, and 1F-16-()-2-28JG												
17.5.1. System Operation								-	-	-	-	-
17.5.2. Perform Operational Check	*							-	-	-	-	-
17.5.3. Troubleshoot System		*						-	-	-	-	-
17.5.4. Remove/Install Components								-	-	-	-	-
17.5.4.1. IFR Slipway Door								-	-	-	-	-
17.5.4.2. IFR Assembly								-	-	-	-	-
17.5.4.3. IFR pressure switch								-	-	-	-	-
17.5.4.4. IFR Poppet/Slipper Seal								-	-	-	-	-
17.5.5. Inspect Components		*						-	-	-	-	-
17.6. PRESSURIZATION/VENT SYSTEM TR: TO 1F-16-()-2-28FI-00-1, 1F-16-()-2-28GS-00-2, and 1F-16-()-2-28JG												
17.6.1. System Operation								-	-	-	-	-
17.6.2. Perform Operational Check												
17.6.2.1. Internal Vent/Pressure Valve	*							-	-	-	-	-
17.6.2.2. External Vent/Pressure Valve	*							-	-	-	-	-
17.6.2.3. Remote Sensing Pressure Relief Valve	*							-	-	-	-	-
17.6.2.4. Negative Pressure Relief Valve	*							-	-	-	-	-
17.6.3. Troubleshoot System		*						-	-	-	-	-
17.6.4. Remove/Install Components												
17.6.4.1. Internal Vent/Pressure Valve								-	-	-	-	-
17.6.4.2. External Vent/Pressure Valve								-	-	-	-	-
17.6.4.3. Remote Sensing Pressure Relief Valve								-	-	-	-	-
17.6.4.4. Negative Pressure Relief Valve								-	-	-	-	-
17.6.4.5. Manual Depressurization Valve								-	-	-	-	-

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(2) CDC	(1) Course	(2) CDC
17.6.5. Inspect Components		*						-	-	-	-	-
17.7. FUEL QUANTITY INDICATING SYSTEM TR: TO 1F-16-()-2-28GS-00-2, and 1F-16-()-2-28JG												
17.7.1. System Operation								-	-	-	-	-
17.7.2. Remove and Install Components												
17.7.2.1. Probes								-	-	-	-	-
17.7.2.2. Harnesses								-	-	-	-	-
17.7.3. Inspect Components		*						-	-	-	-	-
17.8. HYDRAZINE (H-70) MAINTENANCE, EMERGENCY POWER UNIT (EPU) TR: TO 1F-16-2-49GS-00-1, 1F-16-2-49FI-00-1, and 1F-16-2-49JG												
17.8.1. Perform EPU Purge	*							-	-	-	-	-
17.8.2. Depressurize EPU System	*							-	-	-	-	-
17.8.3. Refurbish EPU System	*							-	-	-	-	-
17.8.4. Remove/Install												
17.8.4.1 Decomposition Chamber								-	-	-	-	-
17.8.4.2 H-70 Tank	*							-	-	-	-	-
17.8.4.3. Nitrogen Control Valve								-	-	-	-	-
17.8.4.4. EPU Heat exchanger								-	-	-	-	-
17.8.5. H-70 Tank Maintenance												
17.8.5.1 Service								-	-	-	-	-
17.8.5.2 Purge								-	-	-	-	-
17.8.5.3 Refurbish								-	-	-	-	-
17.8.6 Not Used								-	-	-	-	-
17.8.7 Not Used								-	-	-	-	-
17.8.8 Not Used								-	-	-	-	-
17.8.9. Perform H-70 Spill Clean-up Procedures												

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(2) CDC	(1) Course	(2) CDC
17.8.9.1. Response Team Member	*							-	-	-	-	-
17.8.9.2. Response Team Supervisor		*						-	-	-	-	-
17.8.10. Use, Inspect, and Clean H-70 Personal Protective Equipment												
17.8.10.1. Self-contained Breathing Apparatus	*							-	-	-	-	-
17.8.10.2. Protective Suit, Gloves, and Boots	*							-	-	-	-	-
17.8.11. Operate, Use, and Inspect H-70 Support Equipment												
17.8.11.1. Toxic Level Detectors	*							-	-	-	-	-
17.8.11.2. Litmus Paper								-	-	-	-	-
17.8.11.3. Vent Scrubber								-	-	-	-	-
17.8.11.4. Tank Sling Assembly	*							-	-	-	-	-
17.8.11.5. EPU Nitrogen Purging Adapter								-	-	-	-	-
17.8.11.6. Depth Micrometer								-	-	-	-	-
17.8.11.7. Tank Shipping/Storage/Handling Container								-	-	-	-	-
17.8.12. Purge Mono-propellant Tester								-	-	-	-	-
17.9. AME/WRM EXTERNAL FUEL TANK MAINTENANCE TR: TO 6J-14-2-40-2, 6J-14-2-39-1, and 6J-14-2-40-1												
17.9.1. Perform Certification Checks												
17.9.1.1. 370 Gallon Tanks	*							-	-	-	-	-
17.9.1.2. 300 Gallon Tanks	*							-	-	-	-	-
17.9.2. Troubleshoot External Fuel Tanks												
17.9.2.1. 370 Gallon Tanks		*						-	-	-	-	-
17.9.2.2. 300 Gallon Tanks		*						-	-	-	-	-
17.9.3. Remove and Install 370 Gallon Tank Components								-	-	-	-	-
17.9.4. Remove and Install 300 Gallon Tank Components								-	-	-	-	-

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(2) CDC	(1) Course	(2) CDC
17.9.5. Inspect Tank and Components												
17.9.5.1. 370 Gallon Tanks		*						-	-	-	-	-
17.9.5.2. 300 Gallon Tanks		*						-	-	-	-	-
17.9.6. Perform –6 Pylon Inspection		*						-	-	-	-	-
17.9.7. Pressure Check Removed External Tanks												
17.9.7.1. 370 Gallon Tanks								-	-	-	-	-
17.9.7.2. 300 Gallon Tanks								-	-	-	-	-
17.9.8. Denest External Fuel Tank Canisters												
17.9.8.1. 370 Gallon Tanks								-	-	-	-	-
17.9.8.2. 300 Gallon Tanks								-	-	-	-	-
17.9.9. Perform External Fuel Tank Build-up Procedures												
17.9.9.1. 370 Gallon Tanks								-	-	-	-	-
17.9.9.2. 300 Gallon Tanks								-	-	-	-	-
17.9.10. Operate, Use and Inspect 370 Tank Pylon Electrical Tester								-	-	-	-	-
17.10. INTEGRAL FUEL TANK MAINTENANCE TR: TO 1F-16-()-3-1 and 1-1-3												
17.10.1. Perform Leak Check/Test of Integral Tanks												
17.10.1.1. Air Test	*							-	-	-	-	-
17.10.1.2. Fuel Test	*							-	-	-	-	-
17.11. WING REMOVAL/INSTALLATION TR: TO 1F-16-()-3-5, and 1F-16-()-3-1												
17.11.1. Wing Attachment Fittings (Finger Braces)												
17.11.1.1. Upper Attach Fittings (finger braces)								-	-	-	-	-
17.11.1.2. Lower Attach Fittings (finger braces)								-	-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(2) CDC	(1) Course	(2) CDC
17.11.2. IdentifyNegligible/Non-Negligible Damage on Fracture Critical Areas		*						-	-	-	-	-
17.11.3. Perform Gap Limitation Inspection								-	-	-	-	-
17.11.4. Perform Gap Filling Procedures								-	-	-	-	-
17.11.5. PerformBolt Grip Procedures								-	-	-	-	-
17.11.6. Install Wing Sling Assembly								-	-	-	-	-
17.11.7. Inspect Wing Attachment bolt								-	-	-	-	-
17.11.8. Not Used												
17.11.9. Use Wing Extractor Bolt Tool								-	-	-	-	-
17.11.10. Perform Hollow Bolt Injection								-	-	-	-	-
17.11.11. Install WetFastener								-	-	-	-	-
17.11.12. InspectComponents		*						-	-	-	-	-

F-22 Requirements

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(2) CDC	(1) Course	(2) CDC
NOTE 1: This STS is mandatory if trainee is required to maintain the F-22 aircraft. NOTE 2: Items in column 2 marked with an asterisk (*) identify core tasks.												
18. F-22												
18.1. F-22 AIRCRAFT GENERAL TR: Portable Maintenance Aid (PMA)/Technical Order Data (TOD)												
18.1.1. Perform Aircraft Safe for Maintenance	*							-	-	-	-	-
18.1.2. Safety Precautions								-	-	-	-	-
18.1.3. Connect/Disconnect and Operate PMA								-	-	-	-	-
18.1.4. Integrated Maintenance Information System (IMIS) Functions												
18.1.4.1. Forms Maintenance								-	-	-	-	-
18.1.4.2. Use TOD	*							-	-	-	-	-
18.1.5. Apply/Remove												
18.1.5.1. External Electrical Power								-	-	-	-	-
18.1.5.2. External Cooling Air								-	-	-	-	-
18.1.5.3. External PAO								-	-	-	-	-
18.1.5.4. External Hydraulic Pressure								-	-	-	-	-
18.1.5.5. External Bleed Air								-	-	-	-	-
18.1.6. Remove, Install, and Inspect Fuel Hardware, Tubing, and Couplings	*							-	-	-	-	-
18.2. ENGINE FEED AND CROSSFEED SYSTEMS TR: PMA/TOD												
18.2.1. System Operation								-	-	-	-	-
18.2.2. Troubleshoot System		*						-	-	-	-	-
18.2.3. Remove and Install Components												
18.2.3.1. Electrical Boost Pumps	*							-	-	-	-	-
18.2.3.2. Electrical Boost Pump Housing								-	-	-	-	-
18.2.3.3. Hydraulic Boost Pumps	*							-	-	-	-	-
18.2.3.4. Hydraulic Boost Pump Housing								-	-	-	-	-
18.2.3.5. Main Fuel Shutoff Valve/Actuator								-	-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(2) CDC	(1) Course	(2) CDC
18.2.3.6. APU Shutoff Valve/Solenoid								-	-	-	-	-
18.2.3.7. Crossfeed Valve/Actuator								-	-	-	-	-
18.2.3.8. Fuel Flow Regulator/Actuator	*							-	-	-	-	-
18.2.3.9. Differential Pressure Valves								-	-	-	-	-
18.2.3.10. Ejector Pumps								-	-	-	-	-
18.2.3.11. Engine Feedline Pressure Sensors								-	-	-	-	-
18.2.3.12. Engine Feedline Temperature Sensor								-	-	-	-	-
18.2.3.13. Main Engine Feed Line Assembly								-	-	-	-	-
18.2.4. Inspect Components		*						-	-	-	-	-
18.3. INTERNALTRANSFER SYSTEM TR: PMA/TOD												
18.3.1. System Operation	*							-	-	-	-	-
18.3.2. Perform Operational Check								-	-	-	-	-
18.3.3. Transfer Pump Manual Shutoff Valves	*							-	-	-	-	-
18.3.4. Troubleshoot System		*						-	-	-	-	-
18.3.5. Remove and Install Components												
18.3.5.1. Transfer Pumps	*							-	-	-	-	-
18.3.5.2. Transfer Pump Manual Shutoff Valves								-	-	-	-	-
18.3.5.3. Forward Transfer Solenoid								-	-	-	-	-
18.3.5.4. Forward Transfer Back Pressure Valve								-	-	-	-	-
18.3.6. Inspect Components		*						-	-	-	-	-
18.4. GROUND REFUELING/ DEFUELING SYSTEM TR: PMA												
18.4.1. System Operation	*							-	-	-	-	-
18.4.2. Perform Operational Checks												
18.4.2.1. Refuel Shutoff Valves	*							-	-	-	-	-
18.4.2.2. Refuel High Level Float Valves	*							-	-	-	-	-
18.4.3. Troubleshoot system		*						-	-	-	-	-
18.4.4. Remove / Install Components												

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(2) CDC	(1) Course	(2) CDC
18.4.4.1. Refuel Shutoff Valves								-	-	-	-	-
18.4.4.2. Refuel High Level Float Valves								-	-	-	-	-
18.4.4.3. Refuel Float Override Solenoid								-	-	-	-	-
18.4.4.4. Refuel Auto Drain Valves								-	-	-	-	-
18.4.4.5. Ground Refuel Receptacle								-	-	-	-	-
18.4.4.6. Ground Defuel Line Manual Control Valve								-	-	-	-	-
18.4.5. Inspect Components		*						-	-	-	-	-
18.5. AIR REFUEL SYSTEM TR: PMA/TOD												
18.5.1. System Operation	*							-	-	-	-	-
18.5.2. Perform Operational Checks												
18.5.2.1. Dry Check	*							-	-	-	-	-
18.5.2.2. Wet Check	*							-	-	-	-	-
18.5.3. Troubleshoot System		*						-	-	-	-	-
18.5.4. Remove and Install Components												
18.5.4.1. Air Refuel Receptacle								-	-	-	-	-
18.5.4.2. Air Refuel Receptacle Poppet Assembly								-	-	-	-	-
18.5.4.3. Slipway Doors								-	-	-	-	-
18.5.4.4. A/R Pressure Switch								-	-	-	-	-
18.5.4.5. Air Refueling Amplifier								-	-	-	-	-
18.5.4.6. Air Refueling Hydraulic Control Valve								-	-	-	-	-
18.5.4.7. Air Refueling Receptacle Check Valve								-	-	-	-	-
18.5.5. Inspect Components		*						-	-	-	-	-
18.6. PRESSURIZATION/VENT SYSTEM TR: PMA/TOD												
18.6.1. System Operation								-	-	-	-	-
18.6.2. Troubleshoot System		*						-	-	-	-	-
18.6.3. Remove / Install Components												
18.6.3.1. Internal Tank Vent and Pressurization Valve								-	-	-	-	-

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(2) CDC	(1) Course	(2) CDC
18.6.3.2. OBIGGS Float Selector Valve								-	-	-	-	-
18.6.3.3. Negative Pressure Relief Valve								-	-	-	-	-
18.6.3.4. Internal Tanks Pressure Sensor A/B								-	-	-	-	-
18.6.4. Inspect Components		*						-	-	-	-	-
18.7. FUEL COOLING SUBSYSTEM TR: PMA/TOD												
18.7.1. System Operation								-	-	-	-	-
18.7.2. Troubleshoot system		*						-	-	-	-	-
18.7.3. Remove / Install Components												
18.7.3.1. Fuel/Oil Heat Exchanger	*							-	-	-	-	-
18.7.3.2. Fuel PAO Heat Exchanger	*							-	-	-	-	-
18.7.3.3. Thermal Management Back Pressure Valves								-	-	-	-	-
18.7.3.4. Thermal Management Pressure Control Solenoid								-	-	-	-	-
18.7.3.5. Air Cooled Fuel Coolers								-	-	-	-	-
18.7.3.6. Tank Bypass Valve/Solenoid								-	-	-	-	-
18.7.3.7. PAO Modulation Valves								-	-	-	-	-
18.7.3.8. Engine Bypass Valve/Solenoid								-	-	-	-	-
18.7.3.9. PAO Reservoir								-	-	-	-	-
18.7.3.10. Inspect Components		*						-	-	-	-	-
18.8. EXTERNAL FUEL TANK MAINTENANCE TR: TO 6J14-2-45-2												
18.8.1. Perform Certification Checks	*							-	-	-	-	-
18.8.2. Troubleshoot		*						-	-	-	-	-
18.8.3. Remove / Install Tank Components												
18.8.3.1. Pressure Relief Valves								-	-	-	-	-
18.8.3.2. Negative Pressure Relief Valve								-	-	-	-	-
18.8.3.3. Refuel/Transfer Solenoid								-	-	-	-	-
18.8.3.4. Refuel Transfer Valves								-	-	-	-	-
18.8.3.5. High Level Pilot Float Valves								-	-	-	-	-
18.8.3.6. Fuel Quantity Probes								-	-	-	-	-

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(2) CDC	(1) Course	(2) CDC
18.8.3.7. Drain Valves								-	-	-	-	-
18.8.3.8. Fuel Low Float Switch								-	-	-	-	-
18.8.3.9. Fuel/Air Standpipes								-	-	-	-	-
18.8.4. Inspect Components		*						-	-	-	-	-
18.8.5. Pressure Check Removed External Tank								-	-	-	-	-
18.9. PYLON MAINTENANCE TR: 6J14-2-45-2												
18.9.1. System Operation								-	-	-	-	-
18.9.2. Perform Leak Test								-	-	-	-	-
18.9.3. Troubleshoot								-	-	-	-	-
18.9.4. Remove and Install Components												
18.9.4.1. Fuel/Air Stand Pipes								-	-	-	-	-
18.9.4.2. Air Pressure Regulators								-	-	-	-	-
18.9.4.3. Pressure and Vent Valves								-	-	-	-	-
18.9.4.4. Hot Air Check Valves								-	-	-	-	-
18.9.4.5. Pylon-to-Aircraft Fuel Disconnects								-	-	-	-	-
18.9.4.6. Pylon-to-Tank Fuel/Air Disconnects								-	-	-	-	-
18.9.4.7. Inspect Components		*						-	-	-	-	-
18.10 Fuel Storage System												
18.10.5.1. Integral Tank Leak Repair								-	-	-	-	-
18.10.5.2. Wing Tank Leak Repair								-	-	-	-	-
18.10.5.3. Fuel Panel Leak Check	*							-	-	-	-	-
18.10.6. Remove/Install Components												
18.10.6.1. Fuel Tank Panels	*							-	-	-	-	-
18.10.6.2. Panel Gaskets	*							-	-	-	-	-
18.10.6.3. Inspect Components		*						-	-	-	-	-
18.11. FUEL QUANTITY SYSTEM TR: PMA/TOD Fuel Panel Leak Check												
18.11.1. System Operation								-	-	-	-	-
18.11.2. Troubleshoot System		*						-	-	-	-	-

F-22 Requirements

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	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(2) CDC	(1) Course	(2) CDC
18.11.3. Remove and Install Components												
18.11.3.1. Velocity of Sound Fuel Quantity Probes								-	-	-	-	-
18.11.3.2. Dialectic Sensors								-	-	-	-	-
18.11.3.3. Fuel Quantity Wiring Harness								-	-	-	-	-
18.11.3.4. Inspect Components		*						-	-	-	-	-
18.11.3.5. Ultrasonic Fuel Quantity Probes								-	-	-	-	-
18.11.3.6. Capacitance Fuel Quantity Probes								-	-	-	-	-

CV-22 Requirements

CFETP 2A6X4, 1 September 2018

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT						4. Proficiency Codes Used To Indicate training/Information Provided (See Note)				
	A	B	A	B	C	D	E		A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials		(1) Course	(1) Course	(2) CDC	(1) Course	(2) CDC
ATTACHMENT 19 NOTE 1: This STS is mandatory if trainee is required to maintain the CV-22 aircraft. NOTE 2: Items in column 2 marked with an asterisk (*) identify core tasks.													
19. CV-22													
19.1. CV-22 AIRCRAFT GENERAL TR: 1V-22(C)B-2-DB-1													
19.1.1. Perform Aircraft Safe for Maintenance	*								-	-	-	-	-
19.1.2. Apply/Remove External Power	*								-	-	-	-	-
19.1.3. Perform Fuel IBIT	*								-	-	-	-	-
19.2. STORAGE SYSTEM TR: 1V-22(C)B-2-DB-1													
19.2.1. Remove and Install													
19.2.1.1. Wing Access Panels									-	-	-	-	-
19.2.1.2. Feed Cell Climb Valve	*								-	-	-	-	-
19.2.1.3. Feed Cell Dive Valve	*								-	-	-	-	-
19.2.1.4. Phenolic Hangers									-	-	-	-	-
19.2.1.5. Feed Cell Feed tank	*								-	-	-	-	-
19.2.1.6. Feed Cell Defuel Valve	*								-	-	-	-	-
19.2.1.7. Feed Cell Float Valve	*								-	-	-	-	-
19.2.1.8. Feed Cell Sump Drain Valve									-	-	-	-	-
19.2.1.9. Feed Cell Pressure Shut-off Valve	*								-	-	-	-	-
19.2.1.10. Fwd Sponson Cell									-	-	-	-	-
19.2.1.11. RH Aft Sponson Cell									-	-	-	-	-
19.2.1.12. Sponson Climb/Dive Valve									-	-	-	-	-
19.2.1.13. Sponson Level Control Valve									-	-	-	-	-
19.2.1.14. Fuel Cell Foam Blocks									-	-	-	-	-
19.2.1.15. Frangible Orifice Assembly									-	-	-	-	-
19.2.1.16. Sponson Sump Drain									-	-	-	-	-
19.2.1.17. Sponson Pressure Shut-off Valve									-	-	-	-	-
19.2.1.18. Sponson Backing Mats									-	-	-	-	-
19.2.1.19. Auxiliary Tank Cells	*								-	-	-	-	-
19.2.1.20. Auxiliary Tank Interconnect Fittings	*								-	-	-	-	-

CV-22 Requirements

CFETP 2A6X4, 1 September 2018

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(2) CDC	(1) Course	(2) CDC
19.2.1.21. Auxiliary tank Float Valve	*							-	-	-	-	-
19.2.1.22. Auxiliary tank defuel valve	*							-	-	-	-	-
19.2.1.23. Auxiliary tank Climb Valve	*							-	-	-	-	-
19.2.1.24. Auxiliary Tank Dive Valve	*							-	-	-	-	-
19.2.1.25. Auxiliary Tank Pressure Shut-off	*							-	-	-	-	-
19.2.1.26. Auxiliary Tank Inlet Plug								-	-	-	-	-
19.2.1.27. Inspect Components		*						-	-	-	-	-
19.2.1.28. System Operations								-	-	-	-	-
19.2.1.29. Troubleshoot System								-	-	-	-	-
19.3. DISTRIBUTION SYSTEM TR: 1V-22(C)B-2-DB-1												
19.3.1. Remove and Install												
19.3.1.1. Fuel Lines, Hoses and Connections	*							-	-	-	-	-
19.3.1.2. Suction Lift Pump								-	-	-	-	-
19.3.1.3. Fuel Shut-off Valves	*							-	-	-	-	-
19.3.1.4. Negative G Inlet Assembly	*							-	-	-	-	-
19.3.1.5. Sponson Boost Pump	*							-	-	-	-	-
19.3.1.6. Sponson Refuel/Defuel Valve	*							-	-	-	-	-
19.3.1.7. Sponson Shut-off Valves	*							-	-	-	-	-
19.3.1.8. APU Shut-off Valve								-	-	-	-	-
19.3.1.9. RH Feed Cell ½ Breakaway Valve								-	-	-	-	-
19.3.1.10. Cross Transfer Shutoff Valve	*							-	-	-	-	-
19.3.1.11. Inspect Components		*						-	-	-	-	-
19.3.1.12. System Operations								-	-	-	-	-
19.3.1.13. Troubleshoot Systems								-	-	-	-	-
19.4. GROUND REFUEL TR: 1V-22(C)B-2-DB-1												
19.4.1. Perform Continuity Check of Refuel Ground								-	-	-	-	-
19.4.2. Remove and install												
19.4.2.1. Refueling Adapter Assembly								-	-	-	-	-
19.4.2.2. Fuel Flow Monitor								-	-	-	-	-

CV-22 Requirements

CFETP 2A6X4, 1 September 2018

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(2) CDC	(1) Course	(2) CDC
19.4.2.3 InspectComponents		*						-	-	-	-	-
19.4.2.4. System Operations								-	-	-	-	-
19.4.2.5. Troubleshoot Systems								-	-	-	-	-
19.5. VENTPRESSURIZATION TR: 1V-22(C)B-2-DB-1												
19.5.1. Remove andInstall												
19.5.1.1. Feed Cell Aft Slug Trap								-	-	-	-	-
19.5.1.2. Feed Cell Forward Slug Trap								-	-	-	-	-
19.5.1.3. Feed Cell Vent Hose Assembly	*							-	-	-	-	-
19.5.1.4. Feed Cell Rupture Disc	*							-	-	-	-	-
19.5.1.5. Feed Cell External Vent Hose Assembly								-	-	-	-	-
19.5.1.6. Sponson Overpressure Vent Manifold	*							-	-	-	-	-
19.5.1.7. Sponson Vent Breakaway Valve	*							-	-	-	-	-
19.5.1.8. Sponson Vent Check Valve	*							-	-	-	-	-
19.5.1.9. Vent Cell Vent Manifold								-	-	-	-	-
19.5.1.10. Inspect Components		*						-	-	-	-	-
19.5.1.11. System Operations								-	-	-	-	-
19.5.1.12. Troubleshoot Systems								-	-	-	-	-
19.6. FUEL QUANTITY INDICATING TR: 1V-22(C)B-2-DB-1												
19.6.1. Remove andInstall												
19.6.1.1. Fuel Quantity Probes	*							-	-	-	-	-
19.6.1.2. Suction Lift Pump Pressure Switch								-	-	-	-	-
19.6.1.3. Fuel Quantity Wire Harness	*							-	-	-	-	-
19.6.1.4 InspectComponents		*						-	-	-	-	-
19.6.1.5. System Operations								-	-	-	-	-
19.6.1.6. Troubleshoot Systems								-	-	-	-	-

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(2) CDC	(1) Course	(2) CDC
ATTACHMENT 20												
NOTE 1: This STS is mandatory if trainee is required to maintain the HH-60(H) (G) helicopter.												
NOTE 2: Items in column 2 marked with an asterisk (*) identify core tasks.												
20. HH60												
20.1. HH60 AIRCRAFT GENERAL TR: TOs 1-1-3, 1H-60(H)G-2- 4, and 1H-60(H)G-2-5												
20.1.1 Perform Aircraft Safe for Maintenance	*							-	-	-	-	-
20.1.2. Safety Precautions								-	-	-	-	-
20.1.3. Apply/Remove External Power	*							-	-	-	-	-
20.1.4. Disconnect/Reconnect Aircraft Battery	*							-	-	-	-	-
20.1.5. Remove/Install Access Panels								-	-	-	-	-
20.1.6. Remove, Install, and Inspect Fuel Tubing and Couplings								-	-	-	-	-
20.2. MAIN STORAGE SYSTEMS TR: TOs 1-1-3, 1H-60(H)G-2-4, and 1H-60(H)G-2-5												
20.2.1. Perform Fuel System Integrity Check								-	-	-	-	-
20.2.2. Remove/Install Components												
20.2.2.1. Tank Access Doors								-	-	-	-	-
20.2.2.2. Bladder Cells								-	-	-	-	-
20.2.2.3. Sump Drain Valves								-	-	-	-	-
20.2.2.4. Backing Boards								-	-	-	-	-
20.2.2.5. Inspect Components		*						-	-	-	-	-
20.3. CROSSFEED/ENGINE FEED SYSTEM TR: TOs 1-1-3, 1H-60(H)G-2- 4, and 1H-60(H)G-2-5												
20.3.1. System Operation								-	-	-	-	-
20.3.2. Perform Operational Checks												
20.3.2.1. Boost Pumps	*							-	-	-	-	-
20.3.2.2. Crossfeed Valves	*							-	-	-	-	-
20.3.2.3. Prime Boost Pump	*							-	-	-	-	-
20.3.2.4. APU Shut off valves	*							-	-	-	-	-
20.3.2.5. Troubleshoot System		*						-	-	-	-	-

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(2) CDC	(1) Course	(2) CDC
20.3.3. Remove/Install Components												
20.3.3.1. Boost pumps								-	-	-	-	-
20.3.3.2. Pressure Switches								-	-	-	-	-
20.3.3.3. Crossfeed valves								-	-	-	-	-
20.3.3.4. Check Valves								-	-	-	-	-
20.3.3.5. Breakaway Valves								-	-	-	-	-
20.3.3.6. Prime Boost Pump								-	-	-	-	-
20.3.3.7. APU Shut Off Valves								-	-	-	-	-
20.3.3.8. Inspect Components		*						-	-	-	-	-
20.4. TRANSFER SYSTEM TR: TOs 1-1-3, 1H-60(H)G-2- 4, 1H-60(H)G-2-5, and TO 00-20-1												
20.4.1. System Operation								-	-	-	-	-
20.4.2. Perform Operational Check												
20.4.2.1. Fuel Management Valves	*							-	-	-	-	-
20.4.2.2. Transfer Pumps	*							-	-	-	-	-
20.4.2.3. Troubleshoot System		*						-	-	-	-	-
20.4.3. Remove/Install								-	-	-	-	-
20.4.3.1. Fuel Management Package								-	-	-	-	-
20.4.3.2. Shut Off Valves								-	-	-	-	-
20.4.3.3. Transfer Pumps								-	-	-	-	-
20.4.3.4. Breakaway Valves								-	-	-	-	-
20.4.3.5. Inspect Components		*						-	-	-	-	-
20.5. GROUND REFUEL/DEFUEL SYSTEM TR: TOs 1-1-3, 1H-60(H)G-2- 4, and 1H-60(H)G-2-5												
20.5.1. System Operation								-	-	-	-	-
20.5.2. Perform Refuel								-	-	-	-	-
20.5.3. Perform Defuel								-	-	-	-	-
20.5.4. Perform Operational Check	*							-	-	-	-	-
20.5.5. Troubleshoot System		*						-	-	-	-	-

1. Tasks, Knowledge And Technical References	2.Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(2) CDC	(1) Course	(2) CDC
20.5.6. Remove/Install Components												
20.5.6.1. Refuel/Defuel Valves								-	-	-	-	-
20.5.6.2. High-Level Floats								-	-	-	-	-
20.5.6.3. Low Level Float								-	-	-	-	-
20.5.6.4. Single Point Receptacle								-	-	-	-	-
20.5.6.5. Closed-Circuit Refuel Poppet								-	-	-	-	-
20.5.6.6. Interconnect Valve								-	-	-	-	-
20.5.6.7. Inspect Components		*						-	-	-	-	-
20.6. FUEL DUMP SYSTEM TR: TOs 1H-60(H)G-2-4 and 1H-60(H)G-2-5												
20.6.1. System Operation								-	-	-	-	-
20.6.2. Perform Operational Checks	*							-	-	-	-	-
20.6.3. Troubleshoot System		*						-	-	-	-	-
20.6.4. Remove/Install Components												
20.6.4.1. Dump Valves								-	-	-	-	-
20.6.4.2. Dump Pump								-	-	-	-	-
20.6.4.3. Breakaway Valve								-	-	-	-	-
20.6.4.4. Inspect Components		*						-	-	-	-	-
20.7. VENT SYSTEM TR: TOS 1H-60(H)G-2-4 and 1H-60(H)G-2-5												
20.7.1. System Operation								-	-	-	-	-
20.7.2. Remove/Install Components												
20.7.2.1. Vent Valves								-	-	-	-	-
20.7.2.2. Breakaway Valves								-	-	-	-	-
20.7.2.3. Overflow Sensor								-	-	-	-	-
20.7.2.4. Inspect Components		*						-	-	-	-	-
20.8. AIR REFUELING SYSTEM TR: TOS 1H-60(H)G-2-4 and 1H-60(H)G-2-5												
20.8.1. System Operation								-	-	-	-	-
20.8.2. Perform Operational Checks	*							-	-	-	-	-

1. Tasks, Knowledge And Technical References	2.Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(2) CDC	(1) Course	(2) CDC
20.8.3. TroubleshootSystem		*						-	-	-	-	-
20.8.4. Probe ManagementPackage								-	-	-	-	-
20.8.5. Breakaway Valves								-	-	-	-	-
20.8.6. InspectComponents		*						-	-	-	-	-
20.9. FUEL QUANTITY INDICATING SYSTEM TR: TOS 1H-60(H)G-2-4 and 1H-60(H)G-2-5												
20.9.1. System Operation								-	-	-	-	-
20.9.2. Perform Operational Check	*							-	-	-	-	-
20.9.3. Remove/Install Components												
20.9.3.1. Quantity Probes								-	-	-	-	-
20.9.3.2. In-Tank Wire Harness								-	-	-	-	-
20.9.3.3. Inspect Components		*						-	-	-	-	-
20.10. AUXILARY TANKS TR: TOS 1H-60(H)G-2-4 and 1H-60(H)G-2-5												
20.10.1. System Operation								-	-	-	-	-
20.10.2. Perform Operational Check								-	-	-	-	-
20.10.3. Troubleshoot System								-	-	-	-	-
20.10.4. Remove/Install Components												
20.10.4.1. 185 Gallon(Robinson)												
20.10.4.1.1. Component Package								-	-	-	-	-
20.10.4.1.2. Refuel/Defuel Valve								-	-	-	-	-
20.10.4.1.3. High Level Floats								-	-	-	-	-
20.10.4.1.4. Low Level Float								-	-	-	-	-
20.10.4.1.5. Quantity Probe								-	-	-	-	-
20.10.4.1.6. Fuel Stick Gauge								-	-	-	-	-
20.10.4.1.7. Umbrella Check Valve								-	-	-	-	-
20.10.4.1.8. Breakaway Valve								-	-	-	-	-
20.10.4.1.9. Bladder Cell								-	-	-	-	-

1. Tasks, Knowledge And Technical References	2.Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(2) CDC	(1) Course	(2) CDC
20.10.4.1.10. Inspect Component								-	-	-	-	-
20.10.4.1.11. Preservation Inspection								-	-	-	-	-
20.10.4.2. 200 Gallon Aux Tank												
20.10.4.2.1. Component Package								-	-	-	-	-
20.10.4.2.2. Refuel/Defuel Valve								-	-	-	-	-
20.10.4.2.3. High Level Floats								-	-	-	-	-
20.10.4.2.4. Low Level Float								-	-	-	-	-
20.10.4.2.5. Quantity Probe								-	-	-	-	-
20.10.4.2.6. Fuel Stick Gauge								-	-	-	-	-
20.10.4.2.7. Umbrella Check Valve								-	-	-	-	-
20.10.4.2.8. Breakaway Valve								-	-	-	-	-
20.10.4.2.9. Inspect Component								-	-	-	-	-
20.10.4.2.10 Preservation Inspection								-	-	-	-	-

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KC-10 Requirements

CFETP 2A6X4, 1 September 2018

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(2) CDC	(1) Course	(2) CDC
NOTE 1: This STS is mandatory if trainee is required to maintain the KC-10 aircraft.												
NOTE 2: Items in column 2 marked with an asterisk (*) identify core tasks												
21. KC-10												
21.1. KC-10 AIRCRAFT GENERAL TR: Applicable aircraft and equipment TOs (e.g., workcards, checklists, etc)												
21.1.1. Apply and Remove Electrical Power	*							-	-	-	-	-
21.1.2. Perform Aircraft Safe for Maintenance	*							-	-	-	-	-
21.1.3. Remove, Install, and Inspect Tubing/Manifold and Coupling								-	-	-	-	-
21.1.4. Operate Fuel Management Panel	*							-	-	-	-	-
21.1.5. Disconnect/Reconnect Aircraft Batteries	*							-	-	-	-	-
21.1.6. Egress Familiarization TR: TOS 1C-10(K)A-1 and 1C-10(K)A-ICL-1								-	-	-	-	-
21.1.7. Operate Intercom System TR: TO 1C-10(K)A-2-23								-	-	-	-	-
21.2. ENGINE FEED AND CROSSFEED SYSTEM TR: TOs 1C-10(K)A-2-28-1 and 1C-10(K)A-2-28FI-1												
21.2.1. System Operation								-	-	-	-	-
21.2.2. Perform Operational Check												
21.2.2.1. Boost/Transfer Pumps	*							-	-	-	-	-
21.2.2.2. Crossfeed Valve	*							-	-	-	-	-
21.2.2.3. Engine Firewall Shutoff Valve	*							-	-	-	-	-
21.2.3. Troubleshoot System		*						-	-	-	-	-
21.2.4. Remove and Install Components												
21.2.4.1. Boost/Transfer Pumps								-	-	-	-	-
21.2.4.2. Crossfeed Valve								-	-	-	-	-
21.2.4.3. Engine Firewall Shutoff Valve								-	-	-	-	-
21.2.5. Inspect Components		*						-	-	-	-	-

KC-10 Requirements

CFETP 2A6X4, 1 September 2018

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(2) CDC	(1) Course	(2) CDC
21.3. APU FUEL SUPPLY SYSTEM TR: TO 1C-10(K)A-2-28-1												
21.3.1. System Operation								-	-	-	-	-
21.3.2. Perform Operational Check												
21.3.2.1. Start Pump	*							-	-	-	-	-
21.3.2.2. Fire Shutoff Valves	*							-	-	-	-	-
21.3.3. Troubleshoot System		*						-	-	-	-	-
21.3.4. Remove and Install Components												
21.3.4.1. Start Pump								-	-	-	-	-
21.3.4.2. Fire Shutoff Valves								-	-	-	-	-
21.3.5. Inspect Components		*						-	-	-	-	-
21.4. FUEL JETTISON/DUMP SYSTEM TR: TO 1C-10(K)A-2-28-1												
21.4.1. System Operation								-	-	-	-	-
21.4.2. Perform Operational Check												
21.4.2.1. Dump Shutoff Float Switch	*							-	-	-	-	-
21.4.2.2. Fuel Dump Valve	*							-	-	-	-	-
21.4.2.3. Float Shutoff Valve	*							-	-	-	-	-
21.4.3. Troubleshoot System		*						-	-	-	-	-
21.4.4. Remove and Install Components												
21.4.4.1. Dump Shutoff Float Switch								-	-	-	-	-
21.4.4.2. Fuel Dump Valve								-	-	-	-	-
21.4.4.3. Float Shutoff Valve								-	-	-	-	-
21.4.5. Inspect Components		*						-	-	-	-	-
21.5. GROUND REFUELING/DEFUELING SYSTEMS TR: TO 1C-10(K)A-2-28-1												
21.5.1. System Operation								-	-	-	-	-
21.5.2. Perform Operational Check												
21.5.2.1. Fill And Shutoff Controller	*							-	-	-	-	-
21.5.2.2. Fill And Shutoff Valve	*							-	-	-	-	-

KC-10 Requirements

CFETP 2A6X4, 1 September 2018

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(2) CDC	(1) Course	(2) CDC
21.5.2.3. Alternate Refuel Shutoff Valve	*							-	-	-	-	-
21.5.2.4. Alternate Transfer Valve	*							-	-	-	-	-
21.5.2.5. Fill Isolation Valve	*							-	-	-	-	-
21.5.3. Troubleshoot System		*						-	-	-	-	-
21.5.4. Remove And Install Components												
21.5.4.1. Fill And Shutoff Controller								-	-	-	-	-
21.5.4.2. Fill And Shutoff Valve								-	-	-	-	-
21.5.4.3. Alternate Refuel Shutoff Valve								-	-	-	-	-
21.5.4.4. Alternate Transfer Valve								-	-	-	-	-
21.5.4.5. Fill Isolation Valve								-	-	-	-	-
21.5.4.6. Pressure Refueling/Defueling Adapter								-	-	-	-	-
21.5.5. Inspect Components		*						-	-	-	-	-
21.6. AIR REFUELING RECEIVER SYSTEM TR: TO 1C-10(K)A-2-28-2												
21.6.1. System Operation								-	-	-	-	-
21.6.2. Perform Operational Check												
21.6.2.1. A/R Pumps	*							-	-	-	-	-
21.6.2.2. Aft Transfer/Fill Isolation Valve	*							-	-	-	-	-
21.6.2.3. Centerwing A/R Isolation Valve	*							-	-	-	-	-
21.6.2.4. Forward Transfer/Fill Isolation Valve	*							-	-	-	-	-
21.6.2.5. A/R Shutoff Valve	*							-	-	-	-	-
21.6.2.6. Manifold Surge Relief Valve	*							-	-	-	-	-
21.6.2.7. Drogue Fuel Shutoff Valve								-	-	-	-	-
21.6.2.8. Outboard Wing Drogue Shut Off Valve	*							-	-	-	-	-
21.6.3. Troubleshoot System												
21.6.3.1. A/R Pumps		*						-	-	-	-	-
21.6.3.2. Aft Transfer/Fill Isolation Valve		*						-	-	-	-	-

KC-10 Requirements

CFETP 2A6X4, 1 September 2018

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(2) CDC	(1) Course	(2) CDC
21.6.3.3. Centerwing A/R Isolation Valve		*						-	-	-	-	-
21.6.3.4. Forward Transfer/Fill Isolation Valve		*						-	-	-	-	-
21.6.3.5. A/R Shutoff Valve		*						-	-	-	-	-
21.6.3.6. Manifold Surge Relief Valve		*						-	-	-	-	-
21.6.3.7. Drogue Fuel Shutoff Valve								-	-	-	-	-
21.6.3.8. Outboard Wing Drogue Shut Off Valve		*						-	-	-	-	-
21.6.4. Remove and Install Components												
21.6.4.1. A/R Pumps								-	-	-	-	-
21.6.4.2. Aft Transfer/Fill Isolation Valve								-	-	-	-	-
21.6.4.3. Centerwing A/R Isolation Valve								-	-	-	-	-
21.6.4.4. Forward Transfer/Fill Isolation Valve								-	-	-	-	-
21.6.4.5. A/R Shutoff Valve								-	-	-	-	-
21.6.4.6. Manifold Surge Relief Valve								-	-	-	-	-
21.6.4.7. Drogue Fuel Shutoff Valve								-	-	-	-	-
21.6.4.8. Dual By-Pass Valve								-	-	-	-	-
21.6.4.9. A/R Fuel Flow Transmitter								-	-	-	-	-
21.6.4.10. Boom Fuel Shutoff Valve								-	-	-	-	-
21.6.4.11. Outboard Wing Drogue Shut Off Valve								-	-	-	-	-
21.6.5. Inspect Components		*						-	-	-	-	-
21.7. MANIFOLD SCAVENGE/ DRAIN SYSTEM TR: Tos 1C-10(K)A-2-28-1 and 1C-10(K)A-2-28FI-1												
21.7.1. System Operation								-	-	-	-	-
21.7.2. Perform Operational Check												
21.7.2.1. Manifold Scavenge Fuel Pump	*							-	-	-	-	-
21.7.2.2. Low Pressure Switches	*							-	-	-	-	-
21.7.2.3. Manifold Scavenge Shutoff Valve	*							-	-	-	-	-

KC-10 Requirements

CFETP 2A6X4, 1 September 2018

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(2) CDC	(1) Course	(2) CDC
21.7.2.4. Manifold Drain Valve	*							-	-	-	-	-
21.7.2.5. Manifold Drain And Outboard Fill Valve	*							-	-	-	-	-
21.7.3. Troubleshoot System		*						-	-	-	-	-
21.7.4. Remove And Install Components												
21.7.4.1. Manifold Scavenge Fuel Pump								-	-	-	-	-
21.7.4.2. Low Pressure Switches								-	-	-	-	-
21.7.4.3. Manifold Scavenge Shutoff Valve								-	-	-	-	-
21.7.4.4. Manifold Drain Valve								-	-	-	-	-
21.7.4.5. Manifold Drain And Outboard Fill Valve								-	-	-	-	-
21.7.5. Inspect Components		*						-	-	-	-	-
21.8. SHROUDED FUEL DRAIN SYSTEM TR: Tos 1C-10(K)A-2-28-1 and 1C-10(K)A-2-28FI-1												
21.8.1. System Operation								-	-	-	-	-
21.8.2. Perform Operational Check												
21.8.2.1. Container Drain Valve	*							-	-	-	-	-
21.8.2.2. Shroud Drain Valve	*							-	-	-	-	-
21.8.3. Troubleshoot System		*						-	-	-	-	-
21.8.4. Remove and Install Components												
21.8.4.1. Container Drain Valve								-	-	-	-	-
21.8.4.2. Shroud Drain Valve								-	-	-	-	-
21.8.4.3. A/R Drain Container								-	-	-	-	-
21.8.4.4. Shroud Drain Container								-	-	-	-	-
21.8.4.5. Fuel Line Coupling Shroud								-	-	-	-	-
21.8.5. Inspect Components		*						-	-	-	-	-
21.9. TANK CONTINUOUS SCAVENGING SYSTEM TR: TO 1C-10(K)A-2-28-1												
21.9.1. System Operation								-	-	-	-	-
21.9.2. Perform Operational Checks												
21.9.2.1. Tank Scavenge Jet Pump	*							-	-	-	-	-

KC-10 Requirements

CFETP 2A6X4, 1 September 2018

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(2) CDC	(1) Course	(2) CDC
21.9.2.2. Jet Pump Check Valve	*							-	-	-	-	-
21.9.2.3. Pressure Actuated Scavenge Valve	*							-	-	-	-	-
21.9.3. Troubleshoot System		*						-	-	-	-	-
21.9.4. Remove and Install Components												
21.9.4.1. Tank Scavenge Jet Pump								-	-	-	-	-
21.9.4.2. Jet Pump Check Valve								-	-	-	-	-
21.9.4.3. Pressure Actuated Scavenge Valve								-	-	-	-	-
21.9.5. Inspect Components		*						-	-	-	-	-
21.10. PRESSURIZATION/VENT SYSTEM TR: TO 1C-10(K)A-2-28-1												
21.10.1. System Operation								-	-	-	-	-
21.10.2. Perform Operational Check												
21.10.2.1. Vent Box Drain Valve	*							-	-	-	-	-
21.10.2.2. Spar Mounted Drain Valve	*							-	-	-	-	-
21.10.2.3. Tank Sump Drain Valve/Dip Stick	*							-	-	-	-	-
21.10.3. Troubleshoot System		*						-	-	-	-	-
21.10.4. Remove And Install Components												
21.10.4.1. Vent Box Drain Valve								-	-	-	-	-
21.10.4.2. Spar Mounted Drain Valve								-	-	-	-	-
21.10.4.3. Tank Sump Drain Valve/Dip Stick								-	-	-	-	-
21.10.5. Repair Spar Mounted Drain Valve								-	-	-	-	-
21.10.6. Repair Tank Sump Drain Valve								-	-	-	-	-
21.10.7. Inspect Components		*						-	-	-	-	-
21.11. FUEL INDICATION SYSTEM TR: 1C-10(K)A-2-28-1												
21.11.1. System Operation								-	-	-	-	-
21.11.2. Remove/Install Components												
21.11.2.1. Fuel Quantity Tank Units								-	-	-	-	-
21.11.2.2. Fuel Quantity Harness								-	-	-	-	-

KC-10 Requirements

CFETP 2A6X4, 1 September 2018

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(2) CDC	(1) Course	(2) CDC
21.11.3. Inspect Components		*						-	-	-	-	-
21.12. INTEGRAL TANK MAINTENANCE TR: Tos 1-1-3 and 1C-10(K)A-2-28-1												
21.12.1. Integral Tank Construction								-	-	-	-	-
21.12.2. Perform Leak Source Isolation Procedures TR: 1C-10(K)A-2-28-3												
21.12.2.1. Positive Pressure Test Integral Tanks	*							-	-	-	-	-
21.12.2.2. Negative Pressure Test Integral Tanks	*							-	-	-	-	-
21.13. BLADDER CELL MAINTENANCE TR: 1C-10(K)A-2-28-1												
21.13.1. Identify Cavity Drains	*							-	-	-	-	-
21.13.2. Perform Leak Source Isolation	*							-	-	-	-	-
21.13.3. Remove/Install Fuel Cells								-	-	-	-	-
21.13.4. Inspect Fuel Cells		*						-	-	-	-	-

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U-2 Requirements

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	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(2) CDC	(1) Course	(2) CDC
NOTE 1: This STS is mandatory if trainee is required to maintain the U-2 aircraft. NOTE 2: Items in column 2 marked with an asterisk (*) identify core tasks.												
22. U-2												
22.1. U-2 AIRCRAFT GENERAL TR: TO U-2R/U-2S-2-5, and U2R/U-2-8												
22.1.1. Perform Aircraft Safe for Maintenance	*							-	-	-	-	-
22.1.2. Apply/Remove AC External Power TR: 1U-2S-2-8, and 1U-2S-2-8CL-1/2	*							-	-	-	-	-
22.1.3. Apply/Remove DC External Power TR: 1U-2S-2-8, and 1U-2S-2-8CL-1/2	*							-	-	-	-	-
22.1.4. Operation of Fuel Management Panel Switches TR: 1U-2S-2-5	*							-	-	-	-	-
22.1.5. Safety Precautions								-	-	-	-	-
22.1.6. Remove, Install, and Inspect Fuel Tubing and Couplings								-	-	-	-	-
22.2. ENGINE FEED AND CROSSFEED SYSTEMS TR: Aircraft TO U-2R/U-2S-2-5												
22.2.1. System Operation								-	-	-	-	-
22.2.2. Perform Operational Check												
22.2.2.1. Primary and Secondary Boost Pump	*							-	-	-	-	-
22.2.2.2. Boost Pump Pressure Switch (Primary & Secondary)	*							-	-	-	-	-
22.2.2.3. Emergency Shutoff Valve	*							-	-	-	-	-
22.2.2.4. Fuel Pressure Transmitter/Snubber	*							-	-	-	-	-
22.2.2.5. Cross Transfer Pump (inboard & outboard tanks)	*							-	-	-	-	-
22.2.2.6. Cross Transfer Valve (inboard & outboard)	*							-	-	-	-	-
22.2.2.7. Cross Transfer Pressure Switch	*							-	-	-	-	-
22.2.2.8. Wing to Sump Cross Transfer Valve (inboard/outboard)	*							-	-	-	-	-
22.2.3. Troubleshoot System												

U-2 Requirements

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	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(2) CDC	(1) Course	(2) CDC
NOTE 1: This STS is mandatory if trainee is required to maintain the U-2 aircraft. NOTE 2: Items in column 2 marked with an asterisk (*) identify core tasks.												
22.2.3.1. Engine Feed System		*						-	-	-	-	-
22.2.3.2. Crossfeed System		*						-	-	-	-	-
22.2.4. Isolate Fuselage Sump Tank Leak		*						-	-	-	-	-
22.2.5. Remove and Install Components												
22.2.5.1. Boost Pumps								-	-	-	-	-
22.2.5.2. Pressure Switches								-	-	-	-	-
22.2.5.3. Emergency Shutoff Valve								-	-	-	-	-
22.2.5.4. Manual Shutoff Valve(s)								-	-	-	-	-
22.2.5.5. Drain Valve								-	-	-	-	-
22.2.5.6. Fuel Pressure Transmitter/Snubber								-	-	-	-	-
22.2.5.7. Cross Transfer Pump								-	-	-	-	-
22.2.5.8. Cross Transfer Valves								-	-	-	-	-
22.2.5.9. 200 Mesh Fuel Strainer	*							-	-	-	-	-
92316522. Quick Disconnect (airframe side)								-	-	-	-	-
22.2.5.11. Forward Fuselage Sump Tanks (LT and RT)	*							-	-	-	-	-
22.2.5.12. Aft Fuselage Sump Tanks (LT and RT)	*							-	-	-	-	-
22.2.6. Inspect Components		*						-	-	-	-	-
22.3. FUEL JETTISON/DUMP SYSTEM TR: Aircraft TO U-2R/U-2S-2-5												
22.3.1. System Operation								-	-	-	-	-
22.3.2. Perform Operational Check												
22.3.2.1. Dump Valve	*							-	-	-	-	-
22.3.2.2. Dump Complete Switch	*							-	-	-	-	-
22.3.3. Troubleshoot System		*						-	-	-	-	-
22.3.4. Remove and Install Components												
22.3.4.1. Dump Valve								-	-	-	-	-
22.3.4.2. Dump Complete Switch								-	-	-	-	-
22.3.4.3. Fuel Dump Chute								-	-	-	-	-

U-2 Requirements

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	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(2) CDC	(1) Course	(2) CDC
NOTE 1: This STS is mandatory if trainee is required to maintain the U-2 aircraft. NOTE 2: Items in column 2 marked with an asterisk (*) identify core tasks.												
22.3.5. Inspect Components		*						-	-	-	-	-
22.4. TRANSFER SYSTEM TR: Aircraft TO U-2R/U-2S-2- 5												
22.4.1. System Operation								-	-	-	-	-
22.4.2. Perform Operational Check												
22.4.2.1. Fuel Level Control Valves	*							-	-	-	-	-
22.4.2.2. Bleed Air Orifice Filters								-	-	-	-	-
22.4.3. Troubleshoot System												
22.4.3.1. Fuel Level Control Valve		*						-	-	-	-	-
22.4.3.2. Dual Check Valves		*						-	-	-	-	-
22.4.3.3. Bleed Air Orifices		*						-	-	-	-	-
22.4.4. Remove and Install Components												
22.4.4.1. Fuel Level Control Valves								-	-	-	-	-
22.4.4.2. Dual Check Valves								-	-	-	-	-
22.4.4.3. Transfer System Manual Shutoff Valve								-	-	-	-	-
22.4.4.4. 60 Mesh Fuel Strainers	*							-	-	-	-	-
22.4.4.5. Drain Valve	*							-	-	-	-	-
22.4.5. Inspect Components		*						-	-	-	-	-
22.5. GROUND REFUELING AND DEFUELING SYSTEMS TR: Aircraft TO U-2R/U-2S-2-5												
22.5.1. System Operation								-	-	-	-	-
22.5.2. Perform Operational Check	*							-	-	-	-	-
22.5.3. Troubleshoot Sump Tank Defuel Valve								-	-	-	-	-
22.5.4. Remove and Install Components												
22.5.4.1. Sump Tank Defuel Valve								-	-	-	-	-
22.5.4.2. Integral Wing Tank Drain Valves								-	-	-	-	-
22.5.5. Inspect Components		*						-	-	-	-	-
22.6. PRESSURIZATION/VENT SYSTEM TR: Aircraft TO U-2R/U-2S-2-5												
22.6.1. System Operation								-	-	-	-	-

U-2 Requirements

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	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(2) CDC	(1) Course	(2) CDC
NOTE 1: This STS is mandatory if trainee is required to maintain the U-2 aircraft.												
NOTE 2: Items in column 2 marked with an asterisk (*) identify core tasks.												
22.6.2. Perform Operational Check												
22.6.2.1. Sniffle Valve	*							-	-	-	-	-
22.6.2.2. Air Bypass Valves	*							-	-	-	-	-
22.6.2.3. Air Pressure Regulators	*							-	-	-	-	-
22.6.2.4. Vent Float Valves	*							-	-	-	-	-
22.6.2.5. Suction Relief Valve	*							-	-	-	-	-
22.6.2.6. Bleed Air Check Valves	*							-	-	-	-	-
22.6.2.7. Bleed Air Filters	*							-	-	-	-	-
22.6.3. Troubleshoot System												
22.6.3.1. Vent Float Valves		*						-	-	-	-	-
22.6.3.2. Air Bypass Valves		*						-	-	-	-	-
22.6.3.3. Air Pressure Regulators		*						-	-	-	-	-
22.6.3.4. Sniffle Valves		*						-	-	-	-	-
22.6.3.5. Suction Relief Valves		*						-	-	-	-	-
22.6.3.6. Bleed Air Check Valves		*						-	-	-	-	-
22.6.3.7. Bleed Air Filters		*						-	-	-	-	-
22.6.4. Remove and Install Components												
22.6.4.1. Vent Float Valves								-	-	-	-	-
22.6.4.2. Sniffle Valves								-	-	-	-	-
22.6.4.3. Air Bypass Valves								-	-	-	-	-
22.6.4.4. Air Pressure Regulators								-	-	-	-	-
22.6.4.5. Suction Relief Valves								-	-	-	-	-
22.6.4.6. Bleed Air Check Valves								-	-	-	-	-
22.6.4.7. Bleed Air Filters								-	-	-	-	-
22.6.4.8. Ground Test Connections								-	-	-	-	-
22.6.5. Inspect Components		*						-	-	-	-	-
22.7. FUEL QUANTITY INDICATING SYSTEM												
22.7.1. System Operation								-	-	-	-	-
22.7.2. Troubleshoot System		*						-	-	-	-	-
22.7.3. Remove/Install tank Components												

U-2 Requirements

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	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(2) CDC	(1) Course	(2) CDC
NOTE 1: This STS is mandatory if trainee is required to maintain the U-2 aircraft. NOTE 2: Items in column 2 marked with an asterisk (*) identify core tasks.												
22.7.3.1. Fuel Quantity Probe								-	-	-	-	-
22.7.3.2. Low Level Float Switch								-	-	-	-	-
22.7.4. Inspect Components		*						-	-	-	-	-
22.8. HYDRAZINE MAINTENANCE/ EMERGENCY START SYSTEM TR: Aircraft TO U-2R/U-2S-2-5												
22.8.1. System Operation								-	-	-	-	-
22.8.2. Perform Operational Checkout												
22.8.2.1. Nitrogen/Hydrazine System Leak Check								-	-	-	-	-
22.8.2.2. Hot Duct Leak Check								-	-	-	-	-
22.8.2.3. ESS Heater Blanket								-	-	-	-	-
22.8.3. Troubleshoot System												
22.8.3.1. Nitrogen Pressurization		*						-	-	-	-	-
22.8.3.2. Warning Light Illumination		*						-	-	-	-	-
22.8.3.3. Hydrazine Detector		*						-	-	-	-	-
22.8.4. Remove and Install Components												
22.8.4.1. Nitrogen Bottle								-	-	-	-	-
22.8.4.2. Nitrogen Plumbing								-	-	-	-	-
22.8.4.3. Nitrogen Shutoff And Regulating Valve								-	-	-	-	-
22.8.4.4. Pressure Switch								-	-	-	-	-
22.8.4.5. Surge Tank								-	-	-	-	-
22.8.4.6. Gas Generator								-	-	-	-	-
22.8.4.7. ATS Starter Exhaust Cover								-	-	-	-	-
22.8.4.8. Hydrazine Collector/Detector	*							-	-	-	-	-
22.8.4.9. Hydrazine Tank (H-70)								-	-	-	-	-
22.8.4.10. Hot Duct Plumbing								-	-	-	-	-
22.8.5. Inspect Components		*						-	-	-	-	-
22.8.6. Purge System								-	-	-	-	-
22.8.7. Depressurize System								-	-	-	-	-

U-2 Requirements

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	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(2) CDC	(1) Course	(2) CDC
NOTE 1: This STS is mandatory if trainee is required to maintain the U-2 aircraft. NOTE 2: Items in column 2 marked with an asterisk (*) identify core tasks.												
22.8.8. Perform H-70 Spill Clean-up Procedures												
22.8.8.1. Response Team Member	*							-	-	-	-	-
22.8.8.2. Response Team Supervisor		*						-	-	-	-	-
22.8.9. Use, Inspect, and Clean H-70 Personal Protective Equipment												
22.8.9.1. Self-contained Breathing Apparatus	*							-	-	-	-	-
22.8.9.2. Protective Suit, Gloves and Boots	*							-	-	-	-	-
22.8.10. Operate, Use, and Maintain H-70 Support Equipment												
22.8.10.1. Hydrazine Analyzer	*							-	-	-	-	-
22.8.10.2. Litmus Paper	*							-	-	-	-	-
22.8.10.3. ESS Test Equipment RG 941								-	-	-	-	-
22.8.10.4. H-70 Tank detector RG 977								-	-	-	-	-
22.8.10.5. Seal Cover Plate RG 947/ Dummy Plug								-	-	-	-	-
22.8.10.6. Exhaust Cover Plate								-	-	-	-	-
22.8.10.7. Tank Shipping/Storage/ Handling Container								-	-	-	-	-
22.9. FUEL TANK ENTRY TR: TOs 1-1-3 and Aircraft TO U-2R/U-2S-2-5, a nd U-2R/U-2S-3												
22.9.1. Remove Wing Planks								-	-	-	-	-
22.9.2. Install Wing Planks								-	-	-	-	-
22.9.3. Inspect Components		*						-	-	-	-	-

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
NOTE 1: This STS is mandatory if trainee is required to maintain the KC-46 aircraft.												
NOTE 2: Items in column 2 marked with an asterisk (*) identify core tasks.												
23. KC-46												
23.1. KC-46 AIRCRAFT GENERAL TR: 1KC46-A-05-05-0100-01A0A-010A-A; 1KC46-A-52-00-0000-01A0A-042A-A; 1KC46-A-12-11-0100-01A0A-010A-A; 1KC46-A-24-22-0000-03A0A-020A-A; 1KC46-A-21-00-0000-04A0A-200A-A; 1KC46-A-23-51-0000-02A0A-042A-A; 1KC46-A-23-43-0000-02A0A-042A-A												
23.1.1. Perform Aircraft Safe for Maintenance	*							-	-	-	-	-
23.1.2. Entry and Cargo Compartment Doors, Access Doors, and Panels								-	-	-	-	-
23.1.3. Open the Entry/Service Door Externally								-	-	-	-	-
23.1.4. Close the Entry/Service Door Externally								-	-	-	-	-
23.1.5. Open the Entry/Service Door Internally								-	-	-	-	-
23.1.6. Close the Entry/Service Door Internally								-	-	-	-	-
23.1.7. Open the Crew Entry Door Internally								-	-	-	-	-
23.1.8. Close the Crew Entry Door Internally								-	-	-	-	-
23.1.9. Open the Forward/Aft Cargo Door Manually								-	-	-	-	-
23.1.10. Close the Forward/Aft Cargo Door Manually								-	-	-	-	-
23.1.11. Open the Forward/Aft Cargo Door Electrically								-	-	-	-	-
23.1.12. Close the Forward/Aft Cargo Door Electrically								-	-	-	-	-
23.1.13. Air Conditioning Pack Operation								-	-	-	-	-
23.1.14. Speech Communication System Test								-	-	-	-	-

KC-46 Requirements

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
23.1.15. Ground Crew Call System – Operational Test								-	-	-	-	-
23.1.16. Flight Interphone – System Test								-	-	-	-	-
23.1.17. Supply and Remove Primary External Power								-	-	-	-	-
23.1.18. Supply and Remove APU Generator Power								-	-	-	-	-
23.1.19. Main (Left, Right, Center) Hydraulic Systems Pressurization with an ACMP								-	-	-	-	-
23.1.20. How to Show a Maintenance Data Page or LRU/System Data Page								-	-	-	-	-
23.1.21. How to Show Alert Messages								-	-	-	-	-
23.1.22. How to Show Status Page and Status Messages								-	-	-	-	-
23.1.23. How to View or erase Latched Status Messages								-	-	-	-	-
23.1.24. How to Show a System Synoptic Page								-	-	-	-	-
23.1.25. How to Show a Maintenance Data Record (Snapshot)								-	-	-	-	-
23.1.26. How to Erase a Maintenance Data Record (Snapshot)								-	-	-	-	-
23.1.27. How to Make a Maintenance Data Record (Snapshot)								-	-	-	-	-
23.1.28. How to Print a Maintenance Data Record (Snapshot)								-	-	-	-	-
23.1.29. Master Dim and Test – Operational Test								-	-	-	-	-
23.1.30. Aircrew Compartment Lighting – Operational Test								-	-	-	-	-
23.1.31. Main Deck Cargo Compartment Lights – Operational Test								-	-	-	-	-
23.1.32. Pressurize Pneumatic System Using Auxiliary Power Unit								-	-	-	-	-
23.1.33. APU Starting and Operation								-	-	-	-	-
23.1.34. APU Shutdown Procedure								-	-	-	-	-
23.1.35. Open the Main Deck Cargo Door Electrically								-	-	-	-	-
23.1.36. Close the Main Deck Cargo Door Electrically								-	-	-	-	-

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
23.1.37. Open the Main Deck Cargo Door Manually								-	-	-	-	-
23.1.38. Close the Main Deck Cargo Door Manually								-	-	-	-	-
23.1.39. Fan Duct Cowl Panel Opening								-	-	-	-	-
23.1.40. Fan Cowl Panel Closing								-	-	-	-	-
23.1.41. Core Cowl Panel Opening								-	-	-	-	-
23.1.42. Core Cowl Panel Closing								-	-	-	-	-
23.1.43. Fan Duct Cowl Opening (Hand Pump Method)								-	-	-	-	-
23.1.44. Fan Duct Cowl Closing (Hand Pump Method)								-	-	-	-	-
23.1.45. Find Fault Message(s) Correlated to an Active Flight Deck Effect								-	-	-	-	-
23.1.46. Start a LRU/System Test								-	-	-	-	-
23.1.47. Start a LRU/System Rigging Test								-	-	-	-	-
23.1.48. Find Fault Message(s) Correlated to a Historical Flight Deck Effect								-	-	-	-	-
23.1.49. Find Flight Deck Effects, Maintenance Memos, or Scheduled Maintenance Tasks Correlated to a Historical Flight								-	-	-	-	-
23.1.50. How to Write a Maintenance Report								-	-	-	-	-
23.1.51. Find Flight Deck Effects, Maintenance Memos, or Scheduled Maintenance Tasks Correlated to an Active Flight								-	-	-	-	-
23.1.52. Find the Hardware or Software Configuration of a System								-	-	-	-	-
23.2. ENGINE FEED/CROSS FEED SYSTEM TR: 1KC46-A-28-22-0000-02A0A-042A-A; 1KC46-A-28-22-0000-01A0A-010A-A; 1KC46-A-28-22-0000-03A0A-320A-A												
23.2.1. System Operation								-	-	-	-	-
23.2.2. Trouble Shoot System		*						-	-	-	-	-

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	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
23.2.3. Inspect Components		*						-	-	-	-	-
23.2.4. Perform Operational Check												
23.2.4.1. Boost Pump/Override Pump	*							-	-	-	-	-
23.2.4.2. Engine Fuel Shutoff Valve Ops/Pressure Check	*							-	-	-	-	-
23.2.4.3. Engine Fuel Crossfeed Valve	*							-	-	-	-	-
23.2.4.4. Engine Fuel Feed Manifold, Spar, and Crossfeed Valve – Pressure Check	*							-	-	-	-	-
23.2.4.5. Scavenge Jet Pump	*							-	-	-	-	-
23.2.5. Remove and Install Components												
23.2.5.1. Boost Pump/Override Pump								-	-	-	-	-
23.2.5.2. Override Pump Housing								-	-	-	-	-
23.2.5.3. Override Pump Discharge Check Valve								-	-	-	-	-
23.2.5.4. Override Pump Inlet Check Valve								-	-	-	-	-
23.2.5.5. Override Pump Pressure Switch								-	-	-	-	-
23.2.5.6. Engine Fuel Shutoff Valve								-	-	-	-	-
23.2.5.7. Engine Fuel Shutoff Valve Actuator								-	-	-	-	-
23.2.5.8. Engine Fuel Cross Feed Valve								-	-	-	-	-
23.2.5.9. Engine Fuel Cross Feed Valve Actuator								-	-	-	-	-
23.2.5.10. Fuel Boost Pump Bypass Valve								-	-	-	-	-
23.2.5.11. Automatic Sumping Jet Pump								-	-	-	-	-
23.2.5.12. Automatic Sumping Jet Pump Housing								-	-	-	-	-
23.2.5.13. Scavenge Jet Pump								-	-	-	-	-
23.2.5.14. Wing Fuel Isolation Valve Body								-	-	-	-	-
23.2.5.15. Wing Fuel Isolation Valve Actuator								-	-	-	-	-
23.2.5.16. Wing Fuel Isolation Valve Adapter/Shaft								-	-	-	-	-

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
23.3. REFUEL/DEFUEL SYSTEM TR: 1KC46-A-28-21-0000-03A0A-042A-A; 1KC46-A-28-21-0000-01A0A-010A-A; 1KC46-A-28-26-0000-06A0A-042A-A; 1KC46-A-28-26-0000-01A0A-010A-A												
23.3.1. Precautions and Limits for Refuel								-	-	-	-	-
23.3.2. System Operation								-	-	-	-	-
23.3.3. Trouble Shoot System		*						-	-	-	-	-
23.3.4. Inspect Components		*						-	-	-	-	-
23.3.5. Perform Operational Check												
23.3.5.1. Fuel Level Control Valve	*							-	-	-	-	-
23.3.5.2. Defueling Valve	*							-	-	-	-	-
23.3.6. Remove and Install Components												
23.3.6.1. Fuel Level Control Valve								-	-	-	-	-
23.3.6.2. Refuel Valve								-	-	-	-	-
23.3.6.3. Float Operated Shutoff Valve								-	-	-	-	-
23.3.6.4. Defueling Valve Body								-	-	-	-	-
23.3.6.5. Defueling Valve Actuator								-	-	-	-	-
23.3.6.6. Sing Point Receptacle (SPR)								-	-	-	-	-
23.3.6.7. Find Fault Message(s) Correlated to an Active Flight Deck Effect								-	-	-	-	-
23.4. TRANSFER/JETTISON SYSTEM 28-22, 28-26 TR: 1KC46-A-28-31-0000-05A0A-042A-A28-31; 1KC46-A-28-31-0000-03A0A-010A-A												
23.4.1. Tank to Tank Transfer								-	-	-	-	-
23.4.2. System Operation								-	-	-	-	-
23.4.3. Troubleshoot System		*						-	-	-	-	-
23.4.4. Inspect Components		*						-	-	-	-	-
23.4.5. Perform Operational Check												
23.4.5.1. Fuel Jettison Pump	*							-	-	-	-	-

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	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
1. Tasks, Knowledge And Technical References	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
23.4.5.2. Fuel Jettison Nozzle Valve	*							-	-	-	-	-
23.4.6. Remove/Install Components												
23.4.6.1. Fuel Jettison Nozzle Valve								-	-	-	-	-
23.4.6.2. Fuel Jettison Nozzle Valve Adapter Shaft								-	-	-	-	-
23.4.6.3. Fuel Jettison Nozzle Valve Actuator								-	-	-	-	-
23.4.6.4. Fuel Jetton Control Module								-	-	-	-	-
23.4.6.5. Primary Gravity Transfer Valve Body								-	-	-	-	-
23.4.6.6. Secondary Gravity Transfer Valve Body								-	-	-	-	-
23.4.6.7. Primary Gravity Transfer Valve Adapter/Shaft								-	-	-	-	-
23.4.6.8. Secondary Gravity Transfer Valve Adapter/Shaft								-	-	-	-	-
23.4.6.9. Primary Gravity Transfer Valve Actuator								-	-	-	-	-
23.4.6.10. Secondary Gravity Transfer Valve Actuator								-	-	-	-	-
23.4.6.11. Stabilizer Trim Limit Switch and Position Limit Transmitter								-	-	-	-	-
23.5. AERIAL REFUELING/ RECEIVER SYSTEM TR: 1KC46-A-28-05-0000- 01A0A-010A-A; 28-05; 1KC46-A-28-91-0000- 04A0A-010A-A28-91												
23.5.1. External – General Visual: Refueling Receptacle								-	-	-	-	-
23.5.2. External – General Visual: Aerial Refueling Aft Fuselage Body Fuel tank Compartment								-	-	-	-	-
23.5.3. System Operation								-	-	-	-	-
23.5.4. Troubleshoot System		*						-	-	-	-	-
23.5.5. Inspect Components		*						-	-	-	-	-
23.5.6. Perform Operational Check												
23.5.6.1. Aerial Refueling (AR) Receptacle – Operational Test	*							-	-	-	-	-
23.5.6.2. Aerial Refueling Pump	*							-	-	-	-	-
23.5.6.3. Receiver and Scavenge System	*							-	-	-	-	-

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
23.5.6.4. Receiver Checkout (Dry)	*							-	-	-	-	-
23.5.6.5. Receiver Checkout (Wet)	*							-	-	-	-	-
23.5.7. Remove/Install Components												
23.5.7.1. AR Pump								-	-	-	-	-
23.5.7.2. AR Pump Anti-scavenge Valve								-	-	-	-	-
23.5.7.3. AR Pump Flame Arrestor Removal								-	-	-	-	-
23.5.7.4. AR Boom Isolation Valve								-	-	-	-	-
23.5.7.5. AR Fwd Isolation Valve								-	-	-	-	-
23.5.7.6. CDS Isolation Valve								-	-	-	-	-
23.6. PRESSURIZATION/VENT SYSTEM 28-13 TR: 1KC46-A-28-13-0000-01A0A-042A-A; 1KC46-A-28-13-0000-05A0A-010A-A; 1KC46-A-28-13-0000-02A0A-010A-A												
23.6.1. System Operation								-	-	-	-	-
23.6.2. Troubleshoot System		*						-	-	-	-	-
23.6.3. Inspect Components		*						-	-	-	-	-
23.6.4. Perform Operational Check												
23.6.4.1. WingTank VentSystemLeak Test								-	-	-	-	-
23.6.5. Remove/Install Components												
23.6.5.1. Float Valve								-	-	-	-	-
23.6.5.2. Surge Tank Access Door								-	-	-	-	-
23.6.5.3. Climb/Dive Valve								-	-	-	-	-
23.6.5.4. Pressure Relief Valve								-	-	-	-	-
23.6.5.5. Vent Isolation Valve								-	-	-	-	-
23.6.5.6. Flame Arrestor								-	-	-	-	-
23.6.5.7. Vent Drain Valve								-	-	-	-	-
23.7. FUEL QUANTITY INDICATING SYSTEM TR: 1KC46-A-28-41-0000-02A0A-042A-A; 1KC46-A-28-41-0000-01A0A-010A-A												
23.7.1. System Operation								-	-	-	-	-

KC-46 Requirements

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
23.7.2. Troubleshoot System		*						-	-	-	-	-
23.7.3. Inspect Components		*						-	-	-	-	-
23.7.4. Perform Operational Check								-	-	-	-	-
23.7.5. Remove/Install Components												
23.7.5.1. Fuel Height Sensor								-	-	-	-	-
23.7.5.2. Fuel Compensator								-	-	-	-	-
23.7.5.3. Fuel Densitometer								-	-	-	-	-
23.7.5.4. High Level Fuel Sensor								-	-	-	-	-
23.7.5.5. Fuel Quantity Indicating System In-Tank Wire Harness								-	-	-	-	-
23.8. INTEGRAL FUEL TANK MAINTENANCE TR: 1KC46-A-28-11-0000-21A0A-042A-A; 1KC46-A-28-11-0000-01A0A-010A-A; 1KC46-A-28-11-0000-02A0A-010A-A												
23.8.1. Fuel Sampling at the Fuel Tank Sumps	*							-	-	-	-	-
23.8.2. Integral Tank Construction Features								-	-	-	-	-
23.8.3. Tank and Access Door Sealing Methods								-	-	-	-	-
23.8.4. Remove/Install Tank Access Door								-	-	-	-	-
23.8.5. Leak Path Analysis	*							-	-	-	-	-
23.8.6. Repair Secondary Barrier Sealant	*							-	-	-	-	-
23.8.7. Perform High/Low Pressure Injection Repair								-	-	-	-	-
23.9. BODY TANK VENT SYSTEM TR: 1KC46-A-28-13-0000-01A0A-042A-A; 1KC46-A-28-13-0000-05A0A-010A-A; 1KC46-A-28-13-0000-02A0A-010A-A; 1KC46-A-28-14-0000-04A0A-042A-A												
23.9.1. System Operation								-	-	-	-	-
23.9.2. Troubleshoot System		*						-	-	-	-	-

KC-46 Requirements

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
23.9.3. Inspect Components		*						-	-	-	-	-
23.10. BODY TANKS TR: 1KC46-A-28-11-1200-01A0A-010A-A; 1KC46-A-28-14-0000-04A0A-042A-A; 1KC46-A-28-14-0000-03A0A-010A-A; 1KC46-A-12-30-0000-01A0A-010A-A												
23.10.1. Identify Cavity Drains	*							-	-	-	-	-
23.10.2. Body Fuel Tank Sump Drain Fuel Sampling	*							-	-	-	-	-
23.10.3. Perform Operational Check												
23.10.3.1. Fwd Body Sump Drain Valve Operational Test	*							-	-	-	-	-
23.10.3.2. Aft Body Sump Drain Valve Operational Test	*							-	-	-	-	-
23.10.3.3. Body Tank Interspace Air Pressure Leak Check	*							-	-	-	-	-
23.10.3.4. Body Tank Top Access Door Air Pressure Leak Check	*							-	-	-	-	-
23.10.4. Remove/Install Components												
23.10.4.1. Body Tank Top Access Door								-	-	-	-	-
23.10.4.2. Body Tank Aft Access Door								-	-	-	-	-
23.10.4.3. Body Tank Dry Bay Access Door								-	-	-	-	-
23.10.4.4. Fwd Body Tank								-	-	-	-	-
23.10.4.5. Aft Body Tanks								-	-	-	-	-
23.10.4.6. Body Tank Shutoff Valve								-	-	-	-	-
23.10.4.7. Body Tank Transfer Pump Isolation Valve Actuator								-	-	-	-	-
23.10.4.8. Body Tank Transfer Pump Isolation Valve Body								-	-	-	-	-
23.10.4.9. Body Tank Transfer Pump Isolation Valve Adapter/Shaft Assembly								-	-	-	-	-
23.10.4.10. Body Tank Transfer Pump Housing								-	-	-	-	-
23.10.4.11. Body Tank Transfer Pump Motor Impeller								-	-	-	-	-
23.10.4.12. Body Tank Vent Float Valve								-	-	-	-	-
23.10.4.13. Body Tank Drain Float Valve								-	-	-	-	-

KC-46 Requirements

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
23.10.4.14. Body Tank Pre-check Solenoid								-	-	-	-	-
23.10.4.15. Body Tank High-Level Pilot Valve								-	-	-	-	-
23.10.4.16. Body Tank Wire Harness								-	-	-	-	-
23.10.4.17. Body Tank Densitometer								-	-	-	-	-
23.10.4.18. Body Tank Compensator								-	-	-	-	-
23.10.4.19. Body Tank Fuel Height Sensor								-	-	-	-	-
23.10.4.20. Body Tank Pump Pressure Transducer								-	-	-	-	-
23.10.4.21. Body Tank Flame Arrestor								-	-	-	-	-
23.10.4.22. Body Tank Interspace Drain Check Valve								-	-	-	-	-
23.10.4.23. Body Tank High Level Sensor								-	-	-	-	-
23.10.4.24. Body Tank Pressure Transducer								-	-	-	-	-
23.10.4.25. Body Tank Breakaway Valve Quick Attach/Disconnect Adapter								-	-	-	-	-
23.10.4.26. Body Tank Pump Pressure Switch								-	-	-	-	-
23.11. APU FUEL FEED SYSTEM TR: 1KC46-A-28-25-0000-02A0A-042A-A; 1KC46-A-28-25-0000-01A0A-010A-A; 1KC46-A-28-25-0000-05A0A-010A-A												
23.11.1. System Operation								-	-	-	-	-
23.11.2. Purge Air from APU Fuel Supply Line								-	-	-	-	-
23.11.3. APU Fuel Feed Line Leak Test								-	-	-	-	-
23.11.4. Troubleshoot System		*						-	-	-	-	-
23.11.5. Remove/Install Components												
23.11.5.1. APUDC Fuel Pump Motor Impeller								-	-	-	-	-
23.11.5.2. APU DC Fuel Pump Housing								-	-	-	-	-
23.11.5.3. APUDC Fuel Pump Motor Pressure Switch								-	-	-	-	-
23.11.5.4. APU Shutoff Valve Actuator								-	-	-	-	-
23.11.5.5. APU Shutoff Valve Body								-	-	-	-	-

KC-46 Requirements

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		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
1. Tasks, Knowledge And Technical References		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
		5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(1) CDC	(1) Course	(2) CDC
23.12.	OBIGGS/NEADS INERT SYSTEM TR: 1KC46-A-47-00-0000-02A0A-042A-A; 1KC46-A-47-21-0000-03A0A-042A-A; 1KC46-A-47-00-0000-10A0A-010A-A												
23.12.1.	Perform NEADS Tubing Leak Check								-	-	-	-	-
23.12.2.	Perform NEADS Valve Body Cleaning								-	-	-	-	-
23.12.3.	Use NEA Shutoff Valve Alignment Tool								-	-	-	-	-
23.12.4.	Remove/Install Components												
23.12.4.1.	NEADS Tank Sweep Shutoff Valve								-	-	-	-	-
23.12.4.2.	NEA Sweep Backflow Check Valves								-	-	-	-	-
23.12.4.3.	NEA Sweep Manifold Fuel Drain Valve and Flame Arrestor								-	-	-	-	-
23.12.4.4.	NEA High/Low Shutoff Valve								-	-	-	-	-
23.12.4.5.	Aerial Refueling Manifold NEA Scavenge Shutoff Valve								-	-	-	-	-
23.12.4.6.	Aerial Refueling Manifold NEA Scavenge Backflow Check								-	-	-	-	-

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RQ-4 Requirements

CFETP 2A6X4, 1 September 2018

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level		
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(2) CDC	(1) Course	(2) CDC
NOTE 1: This STS is mandatory if trainee is required to maintain the RQ-4 aircraft.												
NOTE 2: Items in column 2 marked with an asterisk (*) identify core tasks.												
24. RQ-4												
24.1 RQ-4 AIRCRAFT GENERAL TR: TOs RQ4-B-00, RQ4-B-05, RQ4-B-07, RQ4-B-08, RQ4-B-09, RQ4-B-10, RQ4-B-12, RQ4-B-28, and RQ4-B-45 Series												
24.1.1 Perform aircraft safe for maintenance	*							-	-	-	-	-
24.2 FUEL SYSTEM TR: TO RQ4-B-21, RQ4-B-28 and RQ4-B-36 Series												
24.2.1 Components and theory of operation								-	-	-	-	-
24.2.2 Fuel tank, draining	*							-	-	-	-	-
24.2.3 Fuel tank, purge	*							-	-	-	-	-
24.2.4 Perform Wing Fuel Tank Seep Repair	*							-	-	-	-	-
24.2.5 Remove/Install/Inspect Components												
24.2.5.1 Drain valves								-	-	-	-	-
24.2.5.2 Shutoff valves								-	-	-	-	-
24.2.5.3 Pressure and vacuum relief valves								-	-	-	-	-
24.2.5.4 Engine fuel shutoff valve								-	-	-	-	-
24.2.5.5 Fuel boost pumps								-	-	-	-	-
24.2.5.6 Fuel transfer pumps								-	-	-	-	-
24.2.5.7 Fuel filter modules								-	-	-	-	-
24.2.5.8 Fuel filter elements								-	-	-	-	-
24.2.5.9 Bypass valves								-	-	-	-	-
24.2.5.10 Check valves								-	-	-	-	-
24.2.5.11 Fuel recirculation pump								-	-	-	-	-
24.2.5.12 Associated tubing/hoses and fittings	*							-	-	-	-	-

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(2) CDC	(1) Course	(2) CDC
24.2.5.13 Fuel tank access panel	*							-	-	-	-	-
24.2.6 Perform Operational Check												
24.2.6.1 Fuel system pressure check	*							-	-	-	-	-
24.2.6.2 Fuel system resistance check								-	-	-	-	-
24.2.6.3 Fuel system pressure check (nitrogen)								-	-	-	-	-
24.2.6.4 Fuel vent shutoff valve								-	-	-	-	-
24.2.6.5 FWD pressure and vacuum relief valve								-	-	-	-	-
24.2.6.6 AFT pressure and vacuum relief valve								-	-	-	-	-
24.2.6.7 Engine fuel shutoff valve	*							-	-	-	-	-
24.2.6.8 Refuel system receptacle								-	-	-	-	-
24.2.6.9 Fuselage tank SPR shutoff valve								-	-	-	-	-
24.2.6.10 RT wing SPR shutoff valve								-	-	-	-	-
24.2.6.11 LT wing SPR shutoff valve								-	-	-	-	-
24.2.6.12 Fuel Level Probe (FL1)	*							-	-	-	-	-
24.2.6.13 Fuel Boost Pump (BP1A)	*							-	-	-	-	-
24.2.6.14 Troubleshoot/Inspect fuel transfer system components		*						-	-	-	-	-
24.2.6.15 Troubleshoot/Inspect ground refuel system components		*						-	-	-	-	-
24.2.6.16 Troubleshoot/Inspect fuel vent system components		*						-	-	-	-	-
24.2.6.17 Troubleshoot/Inspect fuel indicating system components		*						-	-	-	-	-
24.2.6.18 Troubleshoot/Inspect fuel distribution system components		*						-	-	-	-	-
24.2.6.19 Troubleshoot/Inspect fuel quantity system components		*						-	-	-	-	-

C-40 Requirements

CFETP 2A6X4, 1 September 2018

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(2) CDC	(1) Course	(2) CDC
ATTACHMENT 20 NOTE 1: This STS is mandatory if trainee is required to maintain the C-40 aircraft. NOTE 2: Items in column 2 marked with an asterisk (*) identify core tasks.												
25. C-40												
25.1. C-40 AIRCRAFT GENERAL TR: TO 05-05-01, 24-41-00, 52-11-00, 23-51-00, 49-11-00 and 36-00-00												
25.1.1. Perform Aircraft Safe for Maintenance	*							-	-	-	-	-
25.1.2. Apply/Remove External Power	*							-	-	-	-	-
25.1.3. Disconnect/Reconnect aircraft battery								-	-	-	-	-
25.1.4. Open/close Crew Entry Door Externally/Internally								-	-	-	-	-
25.1.5. Operate Forward Air Stair on Ground and from Control Panel								-	-	-	-	-
25.1.6. Flight Interphone – System Operation								-	-	-	-	-
25.1.7. APU Operation – Start/Shutdown								-	-	-	-	-
25.1.8. Apply/Remove APU Generator Power								-	-	-	-	-
25.1.9. Pressurize Pneumatic System Using External Power								-	-	-	-	-
25.1.10. Pressurize Pneumatic System Using APU								-	-	-	-	-
25.2. ENGINE-FEED/CROSSFEED SYSTEM TR: TO 28-22-00												
25.2.1. System Operation								-	-	-	-	-
25.2.2. Inspect Components		*						-	-	-	-	-
25.2.3. Troubleshoot System		*						-	-	-	-	-
25.2.4. Perform Operational Check TR: TOs 28-22-00, 28-22-41, 28-42-11, 28-22-11, 28-22-21, 1-1-3, and 28-22-13												
25.2.4.1 Fuel Boost Pumps	*							-	-	-	-	-
25.2.4.2. Engine Fuel Shutoff Valve	*							-	-	-	-	-
25.2.4.3. Engine Crossfeed Valve(s)	*							-	-	-	-	-
25.2.4.4. Engine Fuel Feed Manifold, Spar and Cross Feed Valve - leak check	*							-	-	-	-	-
25.2.4.5. Water Scavenge Jet Pump	*							-	-	-	-	-

C-40 Requirements

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(2) CDC	(1) Course	(2) CDC
25.2.5. Remove and Install Components TR: TO 28-22-00, 28-22-41, 28-22-71, 28-22-51, 28-42-11, 28-22-11, 28-22-21, 28-22-61, And 28-22-13												
25.2.5.1. Boost Pump								-	-	-	-	-
25.2.5.2. Boost Pump Housing								-	-	-	-	-
25.2.5.3. Boost Pump Discharge Check Valve								-	-	-	-	-
25.2.5.4. Boost Pump Pressure Switch								-	-	-	-	-
25.2.5.5. Engine Fuels Spar Valve								-	-	-	-	-
25.2.5.6. Engine Fuels Spar Valve Actuator								-	-	-	-	-
25.2.5.7. Engine Fuel Crossfeed Valve								-	-	-	-	-
25.2.5.8. Engine Fuel Crossfeed Valve Actuator								-	-	-	-	-
25.2.5.9. Engine Fuel Crossfeed Valve Actuator								-	-	-	-	-
25.2.5.10. Fuel Boost Pump Bypass Valve								-	-	-	-	-
25.2.5.11. Water Scavenge Jet Pump								-	-	-	-	-
25.2.5.12. Wing Fuel Isolation Valve Body								-	-	-	-	-
25.2.5.13. Wing Fuel Isolation Valve Actuator								-	-	-	-	-
25.2.5.14. Wing Isolation Valve Adapter/Shaft								-	-	-	-	-
25.2.6. Inspect Components		*						-	-	-	-	-
25.3. REFUEL/DEFUEL SYSTEM TR: TO 28-21-00, 28-56-00, and 12-00-00												
25.3.1. System Operation								-	-	-	-	-
25.3.2. Perform Refuel/defuel operation								-	-	-	-	-
25.3.3. Perform Operational Check TR: TO 28-21-11, 28-21-51, 28-21-71, and 28-26-11												
25.3.3.1. Refuel/Defueling Valve	*							-	-	-	-	-
25.3.3.2. Fueling Receptacle								-	-	-	-	-
25.3.3.3. Fueling Shutoff Valve								-	-	-	-	-
25.3.3.4. Fueling Float Switch								-	-	-	-	-

C-40 Requirements

CFETP 2A6X4, 1 September 2018

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(2) CDC	(1) Course	(2) CDC
25.3.3.5 Troubleshoot System		*						-	-	-	-	-
25.3.4. Remove and Install Components TR: TO 28-21-11, 28-21-21, 28-21-51, 28-21-71, 28-26-11												
25.3.4.1 Fuel Level Control Valve								-	-	-	-	-
25.3.4.2. Refuel/Defueling Valve								-	-	-	-	-
25.3.4.3. Fueling Shutoff Valve								-	-	-	-	-
25.3.4.4. SPR Receptacle								-	-	-	-	-
25.3.4.5. Refuel Manifold								-	-	-	-	-
25.3.5. Inspect Components		*						-	-	-	-	-
25.4. FUEL TRANSFER SYSTEM TR: TO 28-22-00, 28-26-00, 28-31												
25.4.1 System Operation								-	-	-	-	-
25.4.2. Tank to Tank Transfer								-	-	-	-	-
25.4.3. Troubleshoot System		*						-	-	-	-	-
25.4.4. Inspect Components		*						-	-	-	-	-
25.5. PRESSURIZATION/VENT SYSTEM TR: TO 28-00-00, 28-13-00, 28-11-11, and 28-14-00												
25.5.1 System Operation								-	-	-	-	-
25.5.2. Troubleshoot System		*						-	-	-	-	-
25.5.3. Perform Operational Check TR: TO 28-13-00												
25.5.3.1. Wing Tank Vent System	*							-	-	-	-	-
25.5.4. Remove and Install Components												
25.5.4.1. Vent System Plumbing								-	-	-	-	-
25.5.4.2. Fuel Vent Float valve								-	-	-	-	-
25.5.4.3. Surge Tank Access Door								-	-	-	-	-
25.5.4.4. Surge Tank Pressure Relief Valve								-	-	-	-	-
25.5.4.5. Air Vent Scoop Flame Arrestor								-	-	-	-	-
25.5.5. Inspect Components		*						-	-	-	-	-
25.6. FUEL INDICATION SYSTEM TR: TO 28-41-00 and 28-43-00												
25.6.1. System Operation								-	-	-	-	-
25.6.2. Troubleshoot System (In-Tank)		*						-	-	-	-	-

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(2) CDC	(1) Course	(2) CDC
25.6.3. Remove and Install Components TR: TO 28-41-11, 28-44-21, 28-41-41, 28-41-42, 28-41-61, 28-41-44, 28-41-81, 28-43-21												
25.6.3.1. Fuel Measuring Stick								-	-	-	-	-
25.6.3.2. Tank and Compensator Unit								-	-	-	-	-
25.6.3.3. Tank and Compensator Bussing Plug								-	-	-	-	-
25.6.3.4. FQIS SPAR Penetration Connector								-	-	-	-	-
25.6.3.5. Refuel Quantity Indicating System								-	-	-	-	-
25.6.3.6. Fuel Tank Bulkhead (SPAR) Receptacle Wire Harness								-	-	-	-	-
25.6.3.7. FQIS Processor								-	-	-	-	-
25.6.3.8. Fuel Temperature Indicator								-	-	-	-	-
25.6.3.9. Inspect Components		*						-	-	-	-	-
25.7. INTEGRAL FUEL TANK MAINTENANCE TR: TO 28-11-00												
25.7.1. Fuel Sampling at the Fuel Tank Sumps	*							-	-	-	-	-
25.7.2. Purging and Fuel Tank Entry Precautions and Entry								-	-	-	-	-
25.7.3. Integral Tank Construction Features								-	-	-	-	-
25.7.4. Tank and Access Door Sealing Methods								-	-	-	-	-
25.7.5. Remove/Install Center Tank Access Door								-	-	-	-	-
25.7.6. Remove/Install Wing Tank Access Door								-	-	-	-	-
25.7.7. Fuel Tank Closure								-	-	-	-	-
25.7.8. Leak Path Analysis	*							-	-	-	-	-
25.8. WING/CENTER TANKS TR: TO 28-11-00, 28-14-00, and 12-00-00												
25.8.1. Fuel Tank Sump Drain Fuel Sampling	*							-	-	-	-	-
25.8.2. Identify Cavity Drains	*							-	-	-	-	-
25.8.3. Remove and Install Components												
25.8.3.1. PATS Auxiliary Fuel System								-	-	-	-	-
25.8.3.2. PATS Auxiliary Fuel Cell								-	-	-	-	-

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(2) CDC	(1) Course	(2) CDC
25.8.3.3. Auxiliary Fuel Tank Access Door								-	-	-	-	-
25.8.3.4. Sump Drain Valve								-	-	-	-	-
25.8.3.5. Barrier Bulkhead								-	-	-	-	-
25.8.3.6. Barrier Bulkhead Access Panel								-	-	-	-	-
25.8.3.7. Purge Line/Shroud Drain Manifold								-	-	-	-	-
25.8.3.8. Bleed Air Venture Assembly								-	-	-	-	-
25.8.3.9. Bleed Air Check Valve								-	-	-	-	-
25.8.3.10. 10 PSI Pressure Relief Valve								-	-	-	-	-
25.8.3.11. Center Tank Sump Drain								-	-	-	-	-
25.8.3.12. Main Tank Sump Drain								-	-	-	-	-
25.8.3.13. Bleed Air Filter								-	-	-	-	-
25.8.3.14. Cabin Air Filter								-	-	-	-	-
25.8.3.15. Bleed Air Solenoid Valve								-	-	-	-	-
25.8.3.16. Auxiliary fuel Transfer Bleed Air Switch Panel								-	-	-	-	-
25.8.3.17. Flame Arrestor								-	-	-	-	-
25.8.3.18. Auxiliary Tank Float Switches								-	-	-	-	-
25.8.3.19. Center Tank Upper/Lower Float Switch Assemblies								-	-	-	-	-
25.8.3.20. Center Tank Aux Fueling Valve								-	-	-	-	-
25.8.3.21. Auxiliary Fuel System Vent Valve and Transfer Valve								-	-	-	-	-
25.8.3.22. Fill and Vent Transfer Hoses								-	-	-	-	-
25.8.3.23. Auxiliary Fuel Transfer Switch Panel								-	-	-	-	-
25.8.3.24. Isolation Valve Panel								-	-	-	-	-
25.8.3.25. Left Wing SPAR Aux Fuel Isolation Valve								-	-	-	-	-
25.8.3.26. Differential Pressure Switch								-	-	-	-	-
25.8.3.27. Auxiliary Fuel Processor Unit								-	-	-	-	-
25.8.3.28. Auxiliary Fuel Control Unit								-	-	-	-	-
25.8.3.29. Auxiliary Fuel Isolation Unit								-	-	-	-	-
25.8.3.30. Aux Fuel Control Display Panel								-	-	-	-	-
25.8.3.31. Auxiliary Fuel System Tank Unit								-	-	-	-	-

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) Course	(2) CDC	(1) Course	(2) CDC
25.8.3.32. Auxiliary Fuel System Compensator								-	-	-	-	-
25.8.3.33. Auxiliary Fuel SystemFuel Tank Wire Harness								-	-	-	-	-
25.8.3.34. Electronics EquipmentRack								-	-	-	-	-
25.8.3.35. Blister Pallet								-	-	-	-	-
25.9. APU FUEL FEED SYSTEM TR: TO 25-25-00												
25.9.1. SystemOperation								-	-	-	-	-
25.9.2. APU Shutoff Valve Operational Test								-	-	-	-	-
25.9.3. Leak Test of the APU Fuel Feed line								-	-	-	-	-
25.9.4. TroubleshootSystem		*						-	-	-	-	-
25.9.5. Remove and Install Components												
25.9.5.1. APU DC Boost Pump Motor impeller								-	-	-	-	-
25.9.5.2. APU DC Fuel PumpHousing								-	-	-	-	-
25.9.5.3. APU DC Fuel Pump Motor Pressure Switch								-	-	-	-	-
25.9.5.4. APU Shutoff Valve Actuator								-	-	-	-	-
25.9.5.5. APU Shutoff ValveBody								-	-	-	-	-
25.9.5.6. InspectComponents		*						-	-	-	-	-