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CFETP 2A6X4  
Parts I and II  
MARCH 2004

# AFSC 2A6X4

## AIRCRAFT FUEL SYSTEMS



## CAREER FIELD EDUCATION AND TRAINING PLAN



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

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**CAREER FIELD EDUCATION AND TRAINING PLAN  
AIRCRAFT FUEL SYSTEMS SPECIALTY  
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 this specialty. The CFETP will provide personnel a clear career path to success and instill rigor in all aspects of career field training. To read, review, or print a copy of the current CFETP, go to the Aircraft Maintenance Homepage at: <http://140.185.52.73/ilm/ilmm/acmaint/>.

**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 for SSgt through MSgt.

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

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):** 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 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 exceeding requirements with emphasis on present or future duty assignments.

**Core Task:** A task Air Force Career Field Managers (AFCFMs) identify as a minimum qualification requirement within an Air Force Specialty regardless of duty position. Core tasks identified with an \*R are optional for AFRC and ANG.

**Critical Task.** Additional tasks, identified by MAJCOM Functional Managers, commanders, and supervisors as being required for skill-level upgrade training. When designated, certify these core tasks using normal core task certification procedures.

**Course Objective List (COL):** A publication identifying the tasks and knowledge requirements, and respective standards provided to achieve a 3-, 5-, and 7-skill level in this career field. Supervisors use the COL to assist in conducting graduate evaluations in accordance with AFI 36-2201, *Developing, Managing and Conducting Military Training Programs*.

**Enlisted Specialty Training (EST):** A mix of formal training (technical school) and informal training (on-the-job) to qualify and upgrade airmen in each skill level of a specialty.

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

**Field Technical Training (Type 4):** Special or regular on-site training conducted by a training detachment (TD) or by a mobile training team (MTT).

**Initial Skills Training:** A formal resident course which results in the award of a 3-skill level AFSC.

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

**Mission Ready Airman:** A formal course which results in an airman receiving hands-on training and task certification of selected tasks so the individual will be immediately productive upon arrival at their first duty section.

**Occupational Survey Report (OSR):** 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 occurs both during and after the upgrade training process. It is designed to provide the performance skill / knowledge training required to do the job.

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

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

**Specialty Training Standard (STS):** An Air Force publication that describes an Air Force Specialty in terms of tasks and knowledge an airman may be expected to perform or to know on the job. It serves as a contract between the Air Education and Training Command and the functional user to show which of the overall training requirements for an Air Force Specialty Code are taught in formal schools, career development courses, and exportable courses.

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

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

## ***Section A - General Information***

**1. Purpose.** This CFETP provides information necessary for Air Force Career Field Managers (AFCFMs), 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. Normally, this training is conducted by AETC at of the technical training centers. Upgrade training identifies the mandatory courses, task qualification requirements, and correspondence course completion requirements for award of the 3-, 5-, 7-, 9-skill levels. Qualification training is actual hands-on task performance training designed to qualify an airman in a specific duty position. This training program occurs both during and after the upgrade training process. It is designed to provide the performance skills and knowledge required to do the job. Advanced training is formal specialty training used for selected airmen. Proficiency training is additional training, either in-residence or exportable advanced training courses, or on-the-job training, provided to personnel to increase their skills and knowledge beyond the minimum required for upgrade. The CFETP has several purposes—some are:

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

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

- 2.1. AETC training personnel will develop or revise formal resident, non-resident, field and exportable training based 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 the CFETP mandatory initial, upgrade, and proficiency requirements. OJT, resident training, and contract training or exportable courses can satisfy identified requirements. MAJCOM-developed training to support this AFSC must be identified for inclusion into the plan.
- 2.3. Each individual will complete the mandatory training requirements specified in this plan. The lists of courses in Part II will be used as a reference to support training.

**3. Coordination and Approval.** The AFCFM is the approval authority. MAJCOM representatives and AETC training personnel will identify and coordinate on the career field training requirements. The AETC training manager for this specialty will initiate an annual

review of this document by AETC and MFMs to ensure currency and accuracy. 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.** Refer to AFMAN 36-2108, *Airman Classification*, paragraph 1. Removes, repairs, inspects, installs, and modifies aircraft fuel systems including integral fuel tanks, bladder cells, and external tanks. Maintains associated hardware and equipment. Related DoD Occupational Subgroup: 602.

4.2. **Duties and Responsibilities.** Refer to AFMAN 36-2108, paragraph 2.

4.2.1. 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.

4.2.2. Performs maintenance on aircraft fuel tanks and cells. Removes access panels, 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.

4.2.3. Supervises, inspects, and evaluates aircraft fuel systems maintenance activities. Cleans fuel cells and tanks, and inspects for foreign objects, corrosion, cell deterioration, and fungus. Stores, handles, uses, and disposes of hazardous material and waste. Initiates deficiency reports, maintenance analysis documents, technical data changes, and equipment records. Records information on data collection forms and automated systems.

4.2.4. 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, in-flight refueling, hydraulic, and electrical and environmental aircraft systems. Determines resource requirements. Coordinates with supply, operations, and other activities to improve procedures and resolve problems.

4.2.5. 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.

4.2.6. Inspects and evaluates aircraft systems maintenance work and activities. Evaluates work for compliance with 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 must do his or her part to plan, manage, and conduct an effective training program. The guidance provided in this part of the CFETP will ensure individuals receive viable training at appropriate points in their career.

5.1. **Apprentice (3) Level.** Following Basic Military Training, initial skills training will be provided in a resident course at the 82d Training Wing, Sheppard AFB TX. The course will lay the foundation for additional training at the graduate's first duty assignment. Trainees will utilize

the career development course (CDC), task qualification training, and other exportable courses to progress in their career field. Once the trainer task certifies the trainee, the trainee may perform that task unsupervised.

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

**5.3. Craftsman (7) Level.** A craftsman can expect to fill various supervisory and management positions such as shift leader, element chief, flight chief, task certifier, and various staff positions. Exportable MDS specific courses and MAJCOM/unit directed courses are also available. Seven-levels should take courses or obtain added knowledge of management of resources and personnel. Continued academic education through CCAF and higher degree programs is encouraged. In addition, individuals will attend the Noncommissioned Officer Academy prior to pinning on MSgt.

**5.4. Superintendent (9) Level.** A 9-level can be expected to fill positions such as flight chief, superintendent, production supervisor, and other various staff SNCO jobs. Additional training in the areas of budget, manpower, resources, and personnel management should be pursued through continuing education. Individuals promoted to SMSgt will attend the Senior Noncommissioned Officer Academy. Additional higher education and completion of courses outside their career AFS is also recommended.

**6. Training Decisions.** The CFETP uses a building block approach (simple to complex) to encompass the entire spectrum of training requirements for the Aircraft Fuel Systems career field. The spectrum includes a strategy for when, where, and how to meet these training requirements. The strategy must ensure we develop affordable training, eliminate duplication, and prevent a fragmented approach to training. The following training decisions were made at the career field Utilization and Training Workshop (U&TW) held 12-15 May 2003 at Sheppard AFB Texas.

**6.1. Initial Skills.** As a result of training decisions, the initial skills course will be revised. Changes to “forms documentation” training requirement will have the greatest effect on the course. Additionally, proficiency levels were changed on several STS items, and several new tasks were identified to meet current and future requirements.

**6.2. Five Level Upgrade Requirements.** The number of 5-level core tasks in the STS (Attachment 2) and Generic Aircraft Requirements (Attachment 3) were reduced from 49 to 45. The 2A654 CDC will be revised to explain, in more detail, confined space team member responsibilities, proper use and safety precautions of the –60 and –86 AGE equipment, and AFTO Form 244/245 documentation procedures. The revised CDC will also include proper use, documentation, and explanation of AFTO Forms 22, 95, and 427. Additionally, the function, proper handling, use, and inspection of the photoionization detector (PID) will be added. The cooling loop system was replaced with heat exchanger system and will include a thorough system theory coverage. Troubleshooting external tanks will use the F-16 external tanks and

cargo extended range tanks to allow a broad exposure of tanks currently in the Air Force inventory.

**6.3. Seven Level Upgrade Requirements.** The number of 7-level core tasks increased from 11 to 19. The majority of the added core tasks were for the inspection of components. The following training requirements were deleted from the craftsman course: develop standards for the use and maintenance of PPE; use technical publications; responsibilities of the maintenance commander; and repair fuel cells using hot patch. The following training requirements were added: Maintenance accountability; conduct non-fuel systems personnel training; integral tank—perform leak path analysis; fuel cells—perform leak path analysis, locate fuel leak exit points, perform fuel leak evaluation; inspect installed fuel cells; and perform IPI on installed components. Additionally, proficiency levels were changed on several STS items.

**6.4. Continuation Training.** Any additional knowledge and skill requirements that were not taught through initial or upgrade training are assigned to unit training or Training Detachments. The purpose of the continuation training program is to provide additional training exceeding minimum upgrade training requirements with emphasis on present and future duty positions. MAJCOMs develop a proficiency training program that ensures individuals in the Aircraft Fuel Systems career field receive the necessary training at the appropriate point in their career. The program identifies both mandatory and optional training requirements.

**7. Community College of the Air Force (CCAF).** CCAF offers and award job-related associate in applied science degrees and other academic credentials that enhance mission readiness, contribute to recruiting, assist in retention and support the career transitions of Air Force enlisted members. The college works with Air Force training centers, regional accrediting agencies, and hundreds of cooperating civilian colleges and universities. Since the technical nature of most Air Force courses places them on a level with college study, airmen earn fully recognized college credits for most of what they learn in formal coursework and on-the-job training. In addition to its associate degree program, CCAF offers the following:

**7.1. Degree Requirements.** All airmen are enrolled in the CCAF degree program applicable to his/her AFSC upon completion of basic military training. Prior to completing an associate degree, the member must be awarded their AFSC 5-skill level and fulfill the following academic requirements:

#### Semester Hours

Technical Education	24
Leadership, Management & Military Studies	6
Physical Education	4
General Education	15
Program Elective	15
Technical Education; Leadership, Management, and Military Studies; or General Education	
Total	64

**7.1.1. Technical Education (24 Semester Hours):** Twenty-four semester hours are required to fulfill the Technical Education requirement. Twelve semester hours must be applied from the Technical Core area with the remaining twelve applied from either the Technical Core or the

Technical Elective areas. Technical Education requirements are generally satisfied by entry-level and advanced degree-applicable courses at CCAF affiliated schools and through internship. However, additional Technical Education requirements may be satisfied by degree applicable courses accepted in transfer, testing credit, independent study or correspondence, certification, licensure or registry.

7.1.2. **Leadership, Management, and Military Studies** (6 Semester Hours): The Leadership, Management and Military Studies (LMMS) requirement may be satisfied by professional military education, civilian courses accepted in transfer and/or by testing credit. However, the preferred method of completing LMMS is through attending an airman leadership school, the NCO academy and/or the Air Force Senior NCO Academy.

7.1.3. **Physical Education** (4 Semester Hours): Completing basic military training satisfies the 4-semester-hour Physical Education requirement. Civilian courses do not apply to this requirement.

7.1.4. **General Education** (15 Semester Hours): The General Education requirement is satisfied by applying courses accepted in transfer or by testing credit. Courses that satisfy the General Education requirement are: oral communications, written communications, mathematics, social science and humanities. Courses must meet the specific criteria provided in the CCAF General Catalog.

7.1.5. **Program Elective** (15 Semester Hours): The Program Elective requirement is satisfied by courses applicable to Technical Education; LMMS; or General Education areas, including acceptable Natural and Physical Science courses. Six semester hours of CCAF degree applicable technical course credit otherwise not applicable specific degree program may be used. See the CCAF General Catalog for details regarding the Associates of Applied Science for this specialty.

7.2. **Occupational Instructor Certification.** CCAF offers the Occupational Instructor Certification (OIC) program for qualified instructors currently teaching at CCAF affiliated schools. The purpose of the certification is to recognize the excellent instructor qualification training provided to prepare our instructors to teach a CCAF course and to formally acknowledge instructor experience. To qualify for the OIC, the instructor must: Be a full-time instructor teaching a CCAF course at the time of nomination; Have at least 2 years of teaching experience from the date of teaching practicum completion; Hold an associates degree or higher; Complete a instructor methodology course of at least 3 semester hours; Complete a teaching practicum course of at least 5 semester hours; Hold the 5-skill level; And be nominated by the affiliated school commander, commandant or PME flight chief.

7.3. **FAA Airframe and Powerplant 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 3 A&P Specialty Training Courses, 7 Computer Based Training modules, and OJT requirements contained in a Qualification Training Package (QTP) will fill training and experience gaps. CCAF manages the AF A&P Certification Program. Technicians may enroll in the program and begin training once they have been awarded their 5-skill level. To learn more and enroll in the program, visit CCAF's website at <http://www.maxwell.af.mil/au/ccaf/student.htm>. CCAF awards 30 Semester hours for the FAA A&P certification and 18 Semester hours for the FAA Airframe or Powerplant certification.

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

7.5. **AETC Instructor Requirements.** Additional off-duty education is a personal choice and is encouraged for all. Individuals desiring to become an Air Education and Training Command instructor should be actively pursuing their CCAF degree. A degreed faculty is required for CCAF to maintain accreditation through the Southern Association of Colleges and Schools.

7.6. **Trade Skill Certification.** When a CCAF student separates or retires, a trade skill certification is awarded for the primary occupational specialty. The college uses a competency based assessment process for trade skill certification at one of four proficiency levels: Apprentice, Journeyman, Craftsman (Supervisor), or Master Craftsman (Manager). All are transcribed on the CCAF transcript.

7.7. To learn more about CCAF and what CCAF has to offer to assist you in your career development, visit their website at <http://www.maxwell.af.mil/au/ccaf/>.

## 8. Career Field Path.

### 8.1. Enlisted Career Path:

<b>Table 8.1. Enlisted Career Path</b>				
<b>Education and Training Requirements</b>	<b>Grade Requirements</b>			
	Rank	Average Sew-On	Earliest Sew-On	High Year Of Tenure (HYT)
<b>Basic Military Training School</b>				
<b>Apprentice Technical School (3-Skill Level)</b>	Amn A1C	6 months 16 months		
<b>Upgrade To Journeyman (5-Skill Level)</b> - Minimum 15 months on-the-job training. - Minimum 9 months OJT for retrainees - Complete all 5-level core tasks on one MDS. - Complete appropriate CDC if/when available.	Amn A1C SrA	10 months 3 years	28 months	12 years
<b>Airman Leadership School (ALS)</b> - 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).	<b>Trainer</b> - Qualified and certified to perform the task to be trained. - Have attended the formal OJT Trainers course and be appointed in writing by Commander			
<b>Upgrade To Craftsman (7-Skill Level)</b> - Minimum rank of SSgt. - 12 months OJT. - 6 months OJT for retrainees - Complete all 5- and 7-level core tasks on one MDS. - Complete appropriate CDC if/when available. - Attend Craftsman Course, if applicable..	SSgt	7.5 years	3 years	20 years
	<b>Certifier</b> - Be at least a SSgt with a5-skill level, or civilian equivalent, and qualified and certified to perform the task being certified. - Attend formal OJT Trainer course and appointed in writing by the Commander. - Be a person other than the trainer except for AFSCs, duty positions, units, and/or work centers with specialized training standardization and certification requirements.			
<b>Noncommissioned Officer Academy (NCOA)</b> - Must be a TSgt or TSgt Selectee. - Resident graduation is a prerequisite for MSgt sew-on (Active Duty Only).	TSgt  MSgt	12.5 years  16 years	5 years  8 years	24 years  26 years
<b>USAF Senior NCO Academy (SNCOA)</b> - Must be a SMSgt or SMSgt Selectee. - A percentage of top nonselect (for promotion to E-8) MSgts attend the SNCOA each year. - Resident graduation is a prerequisite for CMSgt sew-on (Active Duty Only).	SMSgt	19.2 years	11 years	28 years
<b>Upgrade To Superintendent (9-Skill Level)</b> - Minimum rank of SMSgt.	CMSgt	21.5 years	14 years	30 years

**8.2. Base/Unit Education and Training Manager Checklist:**

<b>Table 8.2. Base/Unit Education and Training Manager Checklist</b>		
<b>Requirements for Upgrade to:</b>	<b>Y</b>	<b>N</b>
<p><b>Journeyman</b></p> <ul style="list-style-type: none"> <li>- Has the apprentice completed mandatory CDCs, if available?</li> <li>- Has the apprentice completed all 5-level core tasks on one MDS aircraft identified in the CFETP?</li> <li>- Has the apprentice completed all other duty position tasks identified by the supervisor?</li> <li>- Has the apprentice completed 15 months upgrade training (9 months for retrainees) for award of 5-skill level?</li> <li>- Has the apprentice met mandatory requirements listed in specialty description, AFMAN 36-2108 (Airman Classification), and the CFETP?</li> <li>- Has the apprentice been recommended by their supervisor?</li> </ul>		
<p><b>Craftsman</b></p> <ul style="list-style-type: none"> <li>- Has the journeyman achieved the rank of SSgt?</li> <li>- Has the journeyman completed mandatory CDCs?</li> <li>- Has the journeyman completed all 5- and 7-level core tasks on one MDS aircraft identified in the CFETP?</li> <li>- Has the journeyman completed all other duty position tasks identified by the supervisor?</li> <li>- Has the journeyman attended 7-skill level Craftsman Course?</li> <li>- Has the journeyman completed a minimum 12 months UGT (6 months for retrainees) for award of the 7-skill level?</li> </ul>		

TO: Squadron/CC

FROM: Squadron Training Manager

SUBJECT: Upgrade \_\_\_\_\_ (Trainee Name)

Trainee is prepared to be upgraded and has completed all training requirements.  
Supervisor recommends upgrade.

\_\_\_\_\_  
Training Manager

\_\_\_\_\_  
Supervisor

## ***Section C - Skill Level Training Requirements***

**9. Purpose.** Skill level training requirements in the 2A6X4 career field are defined in terms of tasks and knowledge requirements. This section outlines the specialty qualification requirements for each skill level in broad, general terms and establishes the mandatory requirements for entry, award, and retention of each skill level. The specific task and knowledge training requirements are identified in the STS at Part II, Sections A and B of this CFETP.

### **10. Specialty Qualification:**

#### **10.1. Apprentice Level Training:**

**10.1.1. Specialty Qualification.** This information is located in the official specialty description in AFMAN 36-2108, 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 will provide the required knowledge, qualification, and, if applicable, certification.

**10.1.3. Implementation.** Upon graduation from Basic Military Training (BMT), completion of the Aircraft Fuel Systems Apprentice course is mandatory. This course satisfies 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 also located in the official specialty description in AFMAN 36-2108, paragraph 3.

**10.2.1.1. Knowledge.** In addition to the 3-level qualifications, 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.** For award of AFSC 2A654, the 5-level CDC provides the career knowledge training required. Qualification training and OJT will provide training and qualification on the core tasks identified in the STS. The CDC is written to build from the trainee's current knowledge base and provides more in-depth knowledge to support OJT requirements.

10.2.1.4. **Experience.** Qualification in and possession of AFS 2A634. Also, experience in functions such as installing, repairing, or modifying aircraft fuel systems and related components.

10.2.1.5. **Other.** For award and retention into this specialty, normal color vision as defined in AFI 48-123 is mandatory.

10.2.2. **Training Sources and Resources.** A minimum of 15 months on-the-job training, completion of the 2A654 CDC and 5-level core tasks represent the resources needed for award of the 5-skill level.

10.2.3. **Implementation.** Training to the 5-level is performed by the units utilizing the STS, exportable courses, and CDCs. Upgrade to the 5-level requires completion of CDC 2A654, completion of all core tasks on one MDS aircraft, and 15 months upgrade training.

### 10.3. **Craftsman Level Training:**

10.3.1 **Specialty Qualification.** This information is also located in the official specialty description in AFMAN 36-2108, paragraph 3.

10.3.1.1. **Knowledge.** In addition to the 5-level qualifications, 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 apprentice level. However, completion of a CCAF degree is desirable.

10.3.1.3. **Training.** Completion of mandatory CDCs, 7-level core tasks, and the resident 7-level craftsman course are mandatory for upgrade to 2A674.

10.3.1.4. **Experience.** Qualification in and possession of AFSC 2A654. Also, experience supervising functions such as installing, repairing, 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 is mandatory.

10.3.2. **Training Sources and Resources.** Completion of the Aircraft Fuel Systems Craftsman course at Sheppard AFB, Texas; completion of CDC 2AX7X; and supervisor certification of Air Force directed core tasks represent the resources required for award of the 7-skill level. The Course Objective List (COL) listed in Part II lists the training rendered at the 7-level resident course at Sheppard AFB, Texas.

10.3.3. **Implementation.** Upgrade to the 7-level will require completion of all AF core tasks, 12 months OJT, completion of the 7-level CDCs and resident 7-level course at Sheppard AFB, Texas.

### 10.4. **Superintendent Level Training:**

10.4.1 **Specialty Qualification.** This information is also located in the official specialty description in AFMAN 36-2108, paragraph 3.

10.4.1.1. **Knowledge.** Knowledge is mandatory of: mechanical principles; electrical, fuel, hydraulics, egress, and pressure systems; concepts and application of maintenance directives; interpreting wiring and schematic diagrams, blueprints, and technical publications; and proper handling, use, and disposal of hazardous waste and materials.

10.4.1.2. **Education.** There are no additional education requirements beyond those defined for the apprentice 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 aircrew egress systems; aircraft fuel and in-flight refueling systems; aircraft and equipment hydraulic systems; or aircraft and equipment electrical and environmental systems.

10.4.1.5. **Other.** Not used.

10.4.2. **Training Sources/Resources.** Instruction received at the Senior NCO Academy and duty position qualification represent the required resources for upgrade to the 9-skill level.

10.4.3. **Implementation.** The 9-level will be awarded after completing MAJCOM requirements, unit OJT, and promotion to SMSgt. Individuals will attend the Senior NCO Academy after they are selected for promotion to SMSgt.

### ***Section D - Resource Constraints***

**11. Purpose.** This section identifies known resource constraints, which preclude 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:**

12.1. There are no 3-level equipment constraints for the revised course. Procurement of the photoionization detectors has been funded, and equipment will be received before implementation of revised course.

12.2. The "Occupational Physical Requirement" listed as a resource constraint in the 12-15 May 2003 U&TW minutes has been resolved. The schoolhouse and 82 AMDS/SGPM (Public Health) has established a process whereby each student arriving at Sheppard AFB, Texas, to attend the Aircraft Fuel Systems Apprentice course will be medically evaluated by a physician or licensed health care professional to determine if the student is physically able to wear a respirator (not fit tested) IAW AFOSH Standard 48-137. Performance training on respirator wear cannot be conducted unless students are first medically evaluated.

12.3. At such time in the future that the technical orders used by 2A6X4 personnel become paperless, the schoolhouse will need 105 IETMS E-Tools Laptops. The 361 TRS is pursuing funding for these computers. STS item A2.4.4 (Use IETMS) is shown with proficiency code of 2B/X to indicate a future requirement that cannot currently be trained because of lack of equipment.

**13. Five Level Training:** There are no 5-level constraints.

**14. Seven-Level Training.** There are no 7-level constraints.

***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 on 28 May 2004 and graduating in 21 July 2004 and the craftsman class beginning 17 May 2004 and graduating 28 May 2004. Use of attachments 1 and 2 are mandatory in individual training records. Use of at least one of attachments 3-24 is required to document aircraft Mission Design Series (MDS) specific qualifications. Attachment 25 is only required if an individual is granted a waiver for the 2AX7X CDC. All attachments are required in the workcenter Master Task List (MTL)

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

**2.1.** Lists in column 1 (Task, Knowledge, and Technical References) the most common tasks, knowledge, and technical references (TR) necessary for airmen to perform duties in the 3-, 5-, and 7-skill level.

**2.2.** Identifies in column 2 (Core Tasks) by asterisk (\*), specialty-wide training requirements. Core tasks identified with an \*R are optional for the AFRC and the ANG. As a minimum, all AFCFM directed core tasks applicable to this specialty must be completed and signed off for skill level upgrade. There is no longer an Air Force requirement for third-party certification of core tasks in this AFSC. However, MAJCOMs, commanders, and work center supervisors still retain the option to designate critical tasks (core or non-core) as requiring third-party certification. To designate a task as requiring third-party certification, circle the appropriate asterisk in the core task column on the specialty training standard (STS) portion the CFETP in the MTL and individual training records. If the task is not already designated as a core task, place just the circle at the appropriate location 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).

**2.2.2.** For units with more than one mission design (e.g., A-10) aircraft, upgrade trainees need only complete core tasks on a single mission design. MFMs, unit commanders, and/or supervisors may require trainees to complete core task training on additional mission design series aircraft, if desired. Units are not exempt from minimum core task training if aircraft and equipment is assigned to another unit on base. If these core tasks involve training in another unit on base, trainees must still complete all core tasks relevant to at least one mission design aircraft. All units assigned to a base are bound by the requirements in this CFETP and will accommodate core task trainees from other units.

**2.3.** Provides certification for OJT. Column 3 is used to record completion of tasks and knowledge training requirements. Use Core Automated Maintenance System (CAMS)/Integrated Maintenance Data System (IMDS) to document technician qualifications, if available. Task certification must show a certification 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 and knowledge and the career knowledge provided by the correspondence course.

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

**2.6. Job Qualification Standard.** 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 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 in accordance with AFI 36-2201, Vol 3. Automated records reflecting this STS may be used and are highly encouraged.

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

**2.7.** Is a guide for development of promotion tests used in the Weighted Airman Promotion System (WAPS). Specialty Knowledge Tests (SKTs) are developed at the USAF Occupational Measurement Squadron, by Senior NCOs with extensive practical experience in their career fields. The tests sample knowledge of STS subject matter areas judged by test development team members as most appropriate for promotion to higher grades. Questions are based upon study references listed in the WAPS catalog. Individual responsibilities are in AFI 36-2502, *Airman Promotion Program*. WAPS is not applicable to the Air National Guard or Air Force Reserve.

**3. Graduate Assessment Survey.** Graduate Assessment Surveys (GAS) are used to provide feedback to the training squadron on the students' training. This document allows the supervisor of a technical training graduate to rate that person based on four areas; (1) graduate's attitude and adherence to military standards, (2) graduate's ability to perform at the apprentice level as defined in the CFETP, (3) how well the apprentice job requirements in CFETP meet the job requirements in your workplace, and (4) whether the supervisor received graduate's training report card (AETC Form 156). There is also space for supervisor's comments and a rating scale which shows how to rate the questions on the document. Personnel from the technical training courses will contact supervisors of any graduate who is rated Below Satisfactory or Well Below Satisfactory.

**4. 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. 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.

BY ORDER OF THE SECRETARY OF THE AIR FORCE

OFFICIAL

DONALD J. WETEKAM, Lieutenant General, USAF  
DCS/Installations and Logistics

26 Attachments

1. Proficiency Code Key (mandatory)
2. Specialty Training Standard (STS) (mandatory)
3. Generic Aircraft Requirements (optional)
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. C-9 Requirements (optional)
10. C-17 Requirements (optional)
11. C-130 Requirements (optional)
12. C-135 Requirements (optional)
13. C-141B Requirements (optional)
14. E-3 Requirements (optional)
15. E-4 Requirements (optional)
16. C-18/E-8C Requirements (optional)
17. F-15 Requirements (optional)
18. F-16 Requirements (optional)
19. F-117 Requirements (optional)
20. KC-10 Requirements (optional)
21. U-2 Requirements (optional)
22. F-22 Requirements (optional)
23. H-53 Requirements (optional)
24. H-60 Requirements (optional)
25. 2AX7X CDC (optional)

<i>This Block Is For Identification Purposes Only</i>		
Name Of Trainee		
Printed Name of Trainee ( <i>Last, First, Middle Initial</i> )	Initials (Written)	SSAN
Printed Name Of Training/Certifying Official And Written Initials		
<i>NI</i>	<i>NI</i>	

**QUALITATIVE REQUIREMENTS**

Proficiency Code Key		
	Scale Value	Definition: The individual
Task Performance Levels	1	<b>IS EXTREMELY LIMITED</b> (Can do simple parts of the task. Needs to be told or shown how to do most of the task.)
	2	<b>IS PARTIALLY PROFICIENT</b> (Can do most parts of the task. Needs only help on hardest parts.)
	3	<b>IS COMPETENT</b> (Can do all parts of the task. Needs only a spot check of completed work.)
	4	<b>IS HIGHLY PROFICIENT</b> (Can do the complete task quickly and accurately. Can tell or show others how to do the task.)
*Task Knowledge Levels	a	<b>KNOWS NOMENCLATURE</b> (Can name parts, tools, and simple facts about the task.)
	b	<b>KNOWS PROCEDURES</b> (Can determine step by step procedures for doing the task.)
	c	<b>KNOWS OPERATING PRINCIPLES</b> (Can identify why and when the task must be done and why each step is needed.)
	d	<b>KNOWS ADVANCED THEORY</b> (Can predict, isolate, and resolve problems about the task.)
**Subject Knowledge Levels	A	<b>KNOWS FACTS</b> (Can identify basic facts and terms about the subject.)
	B	<b>KNOWS PRINCIPLES</b> (Can identify relationship of basic facts and state general principles about the subject.)
	C	<b>KNOWS ANALYSIS</b> (Can analyze facts and principles and draw conclusions about the subject.)
	D	<b>KNOWS EVALUATION</b> (Can evaluate conditions and make proper decisions about the subject.)
<p>Explanations</p> <p>* 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)</p> <p>** 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.</p> <p>- This mark is used alone instead of a scale value to show that no proficiency training is provided in the courses or CDCs.</p> <p>/ 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/-, etc.).</p>		

# PROFICIENCY CODE KEY

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used			
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC	C 7 Skill Level	
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
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. Core tasks identified with */R are optional for ANG and AFRC.											
A2.1.	AIRCRAFT FUEL SYSTEMS CAREER LADDER PROGRESSION TR: AFMAN 36-2108							-	A	-	-
A2.2.	AF OCCUPATIONAL SAFETY AND HEALTH (AFOSH) PROGRAM										
A2.2.1.	Principles of ground safety TR: AFMAN 91-201; AFI 91-202; AFOSH Stds 91-22, 91-66, and 91-100							B	B	-	-
A2.2.2.	Practice safety precautions while working in a functioning radar/NDI/fuel/noise/toxic/ hydrazine maintenance area TR: AFIs 91-101 and 32-2001; AFOSH Stds 91-66 and 91-100							-	-	-	-
A2.2.3.	Ground and bond aircraft and equipment TR: TOs 00-25-172 and 1-1-3		*					2b	b	-	-
A2.2.4.	Practice housekeeping consistent with safety of personnel and equipment TR: AFI 21-101; AFOSH Stds 91-22, 91-56, 91-66, and 91-100							2b	b	-	-
A2.2.5.	Apply safety precautions when using tools and test equipment TR: TOs 1-1-3 and 32-1-101							2b	b	-	-
A2.2.6.	Apply precautions for handling chemicals TR: TOs 1-1-3, 42B-1-1; AFOSH Std 91-501		*					2b	b	-	-
A2.2.7.	Apply precautions for handling fuels and hydrazine							b	b	-	-
A2.2.8.	Selection and use of personnel restraint harnesses TR: AFOSH Std 91-501							B	-	-	-
A2.2.9.	Contain fuel spills TR: TOs 1-1-3, 42B-1-1; AFOSH Std 91-501		*					b	b	-	-
A2.2.10.	Use and maintain personal protective equipment TR: AFOSH Stds 48-137 and 91-501		*					2b	b	-	-
A2.2.11.	Use and Maintain Respirators TR: AFOSH Std 48-137							b	-	-	-
A2.2.12.	Apply precautions for handling compressed gases TR: TO 42B5-1-2							b	b	-	-

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used			
			A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A2.2.13. Foreign object damage (FOD) prevention program TR: AFI 21-101								B	B	-	-
A2.2.14. Dropped object prevention program (DOPP) TR: AFI 21-101								B	-	-	-
A2.2.15. Federal Hazard Communication Program TR: AFOSH Std 161-21								B	-	-	-
A2.2.16. Apply precautions when towing AGE equipment TR: AFOSH Std 91-100								-	-	-	-
A2.3. Operational Risk Management								-	-	-	-
A2.4. TECHNICAL PUBLICATIONS											
A2.4.1. Fundamentals of TO system TR: AFPD 21-3; TOs 00-5-1								B	B	-	-
A2.4.2. Use technical publications TR: TO 00-5-1, 00-20 series and applicable TOs	*							2b	B	-	-
A2.4.3. Access/download web-based technical publications and instructions TR: TO 00-5-21								B	-	-	-
A2.4.4. Use Interactive Electronic Technical Manual System (IETMS) TR: TO 00-5-21								2b/X	-	-	-
A2.4.5. Use AFTO Form 22, Technical Order Improvement Report And Reply TR: TO 00-5-1								-	B	-	-
A2.5. HAZARDOUS MATERIALS AND WASTE HANDLING ACCORDING TO ENVIRONMENTAL STANDARDS TR: AFOSH Std 161-21 and local directives											
A2.5.1. Types of hazardous materials/fluids								B	-	-	B
A2.5.2. Handling procedures								B	-	-	B
A2.5.3. Storage and labeling								B	-	-	B
A2.5.4. Proper disposal								B	-	-	B
A2.6. MAINTENANCE MANAGEMENT TR: AFI 21-101 and applicable Command Directives											
A2.6.1. Organizational structure of the MXG TR: AFI 38-101								A	B	-	-
A2.6.2. Responsibilities of the Maintenance Group Commander								-	-	-	-
A2.6.3. Maintenance accountability								-	-	-	B
A2.6.4. Compliance and standardization requirements checklist								-	-	-	-

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CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used				
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level	
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course	
A2.6.5. Resource management									-	-	-	-
A2.6.6. Maintenance incident investigation and prevention									-	-	-	-
A2.6.7. Maintenance categories and levels TR: TO 00-20-1									-	B	-	-
A2.6.8. Aircraft inspection concepts TR: TO 00-20-1									-	B	-	-
A2.6.9. Use maintenance forms TR: TO 00-20 series												
A2.6.9.1. AFTO Form 781A/K	*								3c	b	-	-
A2.6.9.2. AFTO Form 781H									-	-	-	-
A2.6.9.3. AFTO Form 244 and 245	*								2b	b	-	-
A2.6.9.4. AFTO Form 95	*								2b	b	-	-
A2.6.9.5. AFTO Form 427	*								2b	b	-	-
A2.6.9.6. AFTO Form 350	*								3c	-	-	-
A2.6.10. Use automated maintenance systems TR: AFCSM 21 series												
A2.6.10.1. Document completed maintenance actions	*								2b	-	-	-
A2.6.10.2. Perform maintenance inquiries	*								2b	-	-	-
A2.6.10.3. Schedule maintenance discrepancies	*								2b	-	-	-
A2.6.10.4. Create aircraft discrepancies	*								2b	-	-	-
A2.6.10.5. Close aircraft discrepancies	*								2b	-	-	-
A2.6.10.6. Defer aircraft discrepancies	*								-	-	-	-
A2.6.10.7. Generate aircraft forms									-	-	-	-
A2.6.11. Use Air Force Portal									-	-	-	-
A2.6.12. CAMS supply interface TR: AFCSM 21 series; 00-20 series TOs and Applicable Aircraft -06 TOs												
A2.6.12.1. Maintenance transactions									-	-	-	-
A2.6.12.2. Supply transactions									-	-	-	-
A2.6.12.3. Management/supervision transactions									-	-	-	-
A2.6.13. Complete Integrated Maintenance Data System (IMDS) Web-Based Training (WBT) course number: J6ANU00066-46 or J6ANU00066-47	*								-	-	-	-
A2.6.14. Complete Integrated Maintenance Data System (IMDS) Web-Based Training (WBT) course number: J6ANU00066-48		*							-	-	-	-
A2.7. MAINTENANCE SUPPLY AND EQUIPMENT MANAGEMENT TR: AFI 21-101												

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used			
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A2.7.1. Process and control materiel and repairable assets (DIFM) TR: AFMAN 23-110								A	B	-	-
A2.7.2. Use Product Quality Deficiency Reporting (PQDR) System/Deficiency Reporting Entry and Mail Submitter (DREAMS) TR: TO 00-35D-5 and 00-35D-54; AFCSM 21 series								A	B	-	c
A2.7.3. Use Standard Base Supply System TR: AFCSM 21 series								-	b	-	-
A2.7.4. Use supply products								-	B	-	B
A2.7.5. Maintenance supply concept								-	-	-	-
A2.7.6. Supply documents management								-	-	-	-
A2.7.7. Equipment account management								-	-	-	-
A2.7.8. Justify changes to equipment authorizations								-	-	-	-
A2.7.9. Priority System								-	-	-	-
A2.7.10. Analyze maintenance reports TR: AFIs 21-101 and 23-205; TO 00-20-1								-	-	-	-
A2.8. TRAINING TR: AFIs 21-101 and 36-2201											
A2.8.1. Evaluate personnel to determine needs for training								-	-	-	-
A2.8.2. Plan and supervise OJT											
A2.8.2.1. Prepare job qualification standards								-	-	-	-
A2.8.2.2. Conduct training								-	-	-	-
A2.8.3. Monitor effectiveness of training											
A2.8.3.1. Career knowledge upgrade								-	-	-	-
A2.8.3.2. Job proficiency upgrade								-	-	-	-
A2.8.3.3. Qualification								-	-	-	-
A2.8.4. Maintain training records								-	-	-	-
A2.8.5. Evaluate training programs								-	-	-	-
A2.8.6. Recommend personnel for training TR: AFIs 36-2201, AFMAN 36-2108								-	-	-	-
A2.8.7. Career Field Education and Training Plan (CFETP)								-	-	-	-
A2.8.8. Specialty Training Standard (STS)								-	-	-	-
A2.8.9. Occupational Survey Report (OSR)								-	-	-	-
A2.8.10. Utilization and Training Workshop (U&TW)								-	-	-	-
A2.9. OPERATE/INSPECT/MAINTAIN TR: TOs 1-1-3, 32-1-101, 32B14-3-1-101, Applicable TOs											

## Specialty Training Standard

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used			
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A2.9.1. Hand tools								2b	b	-	-
A2.9.2. Special tools and test equipment											
A2.9.2.1. Torque wrenches	*							2b	-	-	-
A2.9.2.2. Bonding meter								-	b	-	-
A2.9.2.3. Leak tracing devices								-	-	-	-
A2.9.2.4. Pressurization test kits								-	-	-	-
A2.9.2.5. Pressure/vacuum gauges								-	-	-	-
A2.9.2.6. External tank pressure test adapter assemblies								-	-	-	-
A2.9.2.7. Jet fuel vapor meter											
A2.9.2.7.1. Bacharach 514M TR: TO 11H5-35-1	*							2b	b	-	-
A2.9.2.7.2. Photo ionization detector (PID)	*							2b	b	-	-
A2.9.2.8. Multimeter	*							2b	b	-	-
A2.9.2.9. Explosive-proof portable lighting equipment TR: 35F5 Series TOs, TO 1-1-3, and applicable manuals								2b	b	-	-
A2.9.2.10. Manometer TR: TO 35DA-11-5-1								2b	b	-	-
A2.9.2.11. Universal external fuel tank certifier								-	-	-	-
A2.9.2.12. High pressure injection gun								-	-	-	-
A2.9.2.13. Sealant filleting gun								2b	b	-	-
A2.9.2.14. Grover injection gun								b	b	-	-
A2.9.2.15. Aerial refueling tester TR: TO 33D2-13-13-1								B	-	-	-
A2.9.2.16. Fuel servicing cart TR: Applicable manuals								-	-	-	-
A2.9.2.17. Portable purging equipment TR: Applicable TOs/manuals								2b	b	-	-
A2.9.2.18. Pressure/vacuum box TR: Applicable TOs/manuals								-	-	-	-
A2.9.2.19. Fuel quantity testers								-	-	-	-
A2.9.2.20. Breathing air systems TR: Applicable TOs/manuals	*							2b	b	-	-
A2.9.2.21. Explosion-proof pneumatic vacuum TR: Applicable manuals								b	b	-	-
A2.9.2.22. Tensiometer								-	-	-	-
A2.9.2.23. External fuel tank maintenance stand/dollies								-	-	-	-
A2.9.2.24. Lifting fixtures, slings, and devices								-	-	-	-
A2.9.2.25. Micrometers								-	-	-	-

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used			
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A2.10. FACILITIES TR: Local OIs											
A2.10.1. Open/close hangar doors								-	-	-	-
A2.10.2. Operate purging equipment								-	-	-	-
A2.10.3. Fire suppression system								-	-	-	-
A2.11. INSPECT/USE AEROSPACE GROUND EQUIPMENT TR: Applicable TOs											
A2.11.1. Centralized Aircraft Support System (CASS) TR: Applicable TOs								-	-	-	-
A2.11.2. Fuel bowzers								-	-	-	-
A2.11.3. Liquid nitrogen cart TR: TO 35D29-8-3-1								-	-	-	-
A2.11.4. HDU-13 Heater TR: TO 35E7-6-9-1								b	b	-	-
A2.11.5. Maintenance stands											
A2.11.5.1. B-1 TR: TO 35A4-2-3-5-1								2b	b	-	-
A2.11.5.2. B-2 TR: TO 35A4-2-3-11								-	b	-	-
A2.11.5.3. B-4A TR: TO 35A4-2-5-1								2b	b	-	-
A2.11.5.4. B-5A TR: TO 35A4-2-6-1								-	b	-	-
A2.11.5.5. B7-15 TR: TO 35D34-26-1								-	-	-	-
A2.11.5.6. Universal diesel powered (scissor stand) TR: TO 35A4-2-60-1								-	-	-	-
A2.11.5.7. Universal electric (scissor stand) TR: TO 35A4-2-61-1								-	-	-	-
A2.11.5.8. Platform, servicing (simon) TR: TO 35D34-31-1								-	-	-	-
A2.11.6. Powered AGE											
A2.11.6.1. Bleed air cart (-95) TR: TO 35D12-2-14-1								-	-	-	-
A2.11.6.2. Generator set, diesel (-86) TR: TO 35C2-3-469-11								2b	b	-	-
A2.11.6.3. Generator set (-60) TR: TO 35C2-3-372-1								2b	b	-	-
A2.11.6.4. Air conditioner, diesel driven TR: TO 33C-Series								-	b	-	-
A2.11.6.5. Compressor, diesel (MC-7) TR: TO 34Y-244-1								-	b	-	-
A2.11.6.6. Compressor (MC2A) (lowpack) TR: TO 34Y1-87-61								2b	b	-	-

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	5	7	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A2.11.6.7. H-1 Portable Heater TR: TO 35E7-2-11-11								-	-	-	-
A2.11.6.8. Light cart TR: 35F5 Series TOs								-	-	-	-
A2.12. AIRCRAFT GENERAL											
A2.12.1. Types of aircraft construction/ Mission Design Series/aircraft familiarization TR: Applicable TOs								A	B	-	-
A2.12.2. Types and use of hardware TR: TO 1-1A-8								B	B	-	-
A2.12.3. Fuel systems hose assemblies/tubing TR: TO 42E1-1-1								B	B	-	-
A2.12.4. Install and inspect safetying devices TR: TO 1-1A-8	*							3c	b	-	b
A2.12.5. Chafing TR: TOs 1-1A-8, 1-1A-14, and 42E-1-1-1								B	B	-	-
A2.12.6. Corrosion control TR: TO 1-1-691								A	B	-	-
A2.12.7. Fundamentals of low observable materials								-	A	-	-
A2.13. ELECTRICAL CIRCUITS APPLICABLE TO AIRCRAFT FUEL SYSTEMS TR: TOs 31-1-141, 33A2-1-12-1198-1 and applicable TOs											
A2.13.1. Interpret electrical circuits								A	b	-	2b
A2.13.2. Electrical principles								A	B	-	B
A2.13.3. Check for voltage/power at fuel system components								2b	b	-	2b
A2.14. FUEL TANK/CELL ENTRY AND CONFINED SPACE PROCEDURES TR: AFOSH Stds 48-137, TO 1-1-3, 91 Series TOs, and Applicable Aircraft TOs											
A2.14.1. Fuel tank/cell entry procedures											
A2.14.1.1. Determine authorized fuel system repair locations		*						b	b	-	-
A2.14.1.2. Perform fuel configuration prior to fuel system maintenance								-	b	-	-
A2.14.1.3. Drain fuel cells and tanks								b	b	-	-
A2.14.1.4. Perform aircraft fuel system tank/cell entry checklist	*							2b	b	-	-
A2.14.1.5. Prepare WARNING tags	*							2b	b	-	-
A2.14.1.6. Prepare DANGER tags								-	b	-	-
A2.14.1.7. Remove and reinstall access doors/panels								2b	b	-	-
A2.14.1.8. Remove/install and store fire suppression foam								2b	b	-	-
A2.14.1.9. Perform fuel cell/ tank purge procedures	*							2b	b	-	-

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used			
			A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A2.14.1.10. Perform tank depuddling procedures	*							2b	b	-	-
A2.14.2. Confined space procedures TR: TO 1-1-3; AFOSH Stds 48-137, 91-25, and 161 series; and applicable aircraft TOs											
A2.14.2.1 Perform confined space team member duties	*							2b	b	-	-
A2.14.2.2. Perform emergency response procedures	*							B	B	-	-
A2.14.2.3. Develop procedures for confined space entry								-	-	-	2b
A2.14.2.4. Prepare entry permit	*							2b	b	-	-
A2.14.2.5. Perform confined space atmospheric testing	*							2b	b	-	-
A2.14.2.6. Conduct non-fuel systems personnel training								-	-	-	A
A2.15. INTEGRAL FUEL TANK MAINTENANCE TR: TO 1-1-3 and applicable aircraft TOs											
A2.15.1. Integral tank construction features								B	B	-	-
A2.15.2. Tank and access door/panel sealing methods								B	B	-	-
A2.15.3. Fuel leak troubleshooting											
A2.15.3.1. Perform fuel leak path analysis	*							b	b	-	c
A2.15.3.2. Locate fuel leak exit points	*							b	b	-	c
A2.15.3.3. Perform fuel leak evaluation	*							b	b	-	c
A2.15.3.4. Inspect tank interior for possible leak source	*							2b	b	-	-
A2.15.3.5. Perform leak source isolation procedures											
A2.15.3.5.1. Blowback	*							2b	b	-	-
A2.15.3.5.2. Dye injection								-	b	-	-
A2.15.3.5.3. Positive pressurization								2b	b	-	-
A2.15.3.5.4. Negative pressurization								-	b	-	-
A2.15.4. Remove and reinstall integral tank braces								b	b	-	-
A2.16. FUEL CELLS TR: TOs 00-85A-03-1, 1-1-3, and Applicable Aircraft TOs											
A2.16.1. Fuel cell constructional features								B	B	-	-
A2.16.2. Prepare fuel cells for storage and shipment								b	b	-	-
A2.16.3. Remove/install fuel cells								2b	b	-	-
A2.16.4. Fuel leak troubleshooting											
A2.16.4.1. Perform fuel leak path analysis								b	b	-	c

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used			
			A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A2.16.4.2. Locate fuel leak exit points								b	b	-	c
A2.16.4.3. Perform fuel leak evaluation								b	b	-	c
A2.16.4.4. Inspect cell interior for possible leak source								2b	b	-	-
A2.16.4.5 Inspect cell exterior for possible leak source								2b	b	-	-
A2.16.5. Repair fuel cells											
A2.16.5.1 Hot patch								b	b	-	-
A2.16.5.2. Cold patch								b	b	-	-
A2.16.6. Inspect/prepare cell cavities								2b	b	-	2b
A2.16.7. Inspect fuel cells								2b	b	-	2b
A2.16.8. Test fuel cells								2b	b	-	-
A2.16.9. Inspect installed fuel cells								-	-	-	2b
A2.17. GENERAL MAINTENANCE/ PRODUCTION TEAM MAINTENANCE TASKS TR: Applicable Aircraft Technical Orders											
A2.17.1. Aircraft tow team member											
A2.17.1.1. Perform wing/tail walker duties								-	-	-	-
A2.17.1.2. Brake operator								-	-	-	-
A2.17.2. Perform refuel/defuel team member duties											
A2.17.2.1. Fireguard								-	-	-	-
A1.17.2.2. Panel operator								-	-	-	-
A2.17.2.3. Remove/install aircraft maintenance access panels								-	-	-	-
A2.17.2.4. Use aircraft interphone system								-	-	-	-
A2.17.2.5. Perform aircraft marshaling procedures								-	-	-	-
A2.18. HANDLING OF SEALANTS TR: TO 1-1-3, Applicable Aircraft TOs, and Applicable Material Safety Data Sheet (MSDS)											
A2.18.1. Characteristics of sealants								B	B	-	-
A2.18.2. Prepare structures for sealants	*							2b	b	-	-
A2.18.3. Mix sealants	*							2b	b	-	-
A2.18.4. Test mixed sealants	*							2b	b	-	-
A2.18.5. Apply sealants											
A2.18.5.1. With filleting gun								2b	b	-	-
A2.18.5.2. By hand	*							2b	b	-	-
A2.18.5.3. Inject											

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used			
	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level		
	5	7	Trng Start	Trng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A2.18.5.3.1. Noncuring								b	b	-	-
A2.18.5.3.2. Curing								b	b	-	-
A2.18.6. Inspect applied sealants		*						b	b	-	-
A2.18.7. Make temporary repairs TR: TO 1-1-3								b	b	-	-

## Generic Aircraft 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 Atch 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
NOTE 1: This STS is mandatory for use if attachments 4 through 25 do not apply to trainee duties.											
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. Core tasks identified with */R are optional for ANG and AFRC.											
A3.1. AIRCRAFT GENERAL TR: Applicable TOs											
A3.1.1. Analytical aircraft troubleshooting theory								-	-	-	C
A3.1.2. Safety precautions								-	-	-	-
A3.1.3. Apply/remove external power								-	-	-	-
A3.1.4. Remove, install, and inspect fuel tubing and couplings TR: TOs 1-1A-8, 42E-1-1-1, and applicable TOs								2b	B	-	-
A3.1.5. Perform IPI								-	-	-	2b
A3.2. ENGINE FEED AND CROSSFEED SYSTEMS TR: Applicable Aircraft TOs											
A3.2.1. System operation								B	B	-	-
A3.2.2. Perform operational check	*							2b	b	-	-
A3.2.3. Troubleshoot system		*						B	b	-	-
A3.2.4. Remove/install components								2b	-	-	-
A3.2.5. Inspect components		*						-	-	-	-
A3.3. FUEL JETTISON/DUMP SYSTEM TR: Applicable Aircraft TOs											
A3.3.1. System operation								B	B	-	-
A3.3.2. Perform operational check	*							B	b	-	-
A3.3.3. Troubleshoot system		*						B	b	-	-
A3.3.4. Remove/install components								b	-	-	-
A3.3.5. Inspect components		*						-	-	-	-
A3.4. TRANSFER SYSTEM TR: Applicable Aircraft TOs											
A3.4.1. System operation								B	B	-	-
A3.4.2. Perform operational check	*							2b	b	-	-
A3.4.3. Troubleshoot system		*						B	b	-	-
A3.4.4. Remove/install components								2b	-	-	-
A3.4.5. Inspect components		*						-	-	-	-
A3.5. GROUND REFUELING AND DEFUELING SYSTEMS TR: Applicable Aircraft TOs											
A3.5.1. System operation								B	B	-	-

## Generic Aircraft 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 Atch 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A3.5.2. Perform operational check	*							2b	b	-	-
A3.5.3. Troubleshoot system		*						B	b	-	-
A3.5.4. Remove/install components								2b	-	-	-
A3.5.5. Inspect components		*						-	-	-	-
A3.6. AIR REFUELING RECEIVER SYSTEM TR: Applicable TOs											
A3.6.1. System operation								B	B	-	-
A3.6.2. Perform operational check								B	b	-	-
A3.6.3. Troubleshoot system								B	b	-	-
A3.6.4. Remove/install components								b	-	-	-
A3.6.5. Inspect components		*						-	-	-	-
A3.7. MANIFOLD SCAVENGE/DRAIN SYSTEM TR: Applicable TOs											
A3.7.1. System operation								B	B	-	-
A3.7.2. Perform operational check	*							B	b	-	-
A3.7.3. Troubleshoot system		*						B	b	-	-
A3.7.4. Remove/install components								b	-	-	-
A3.7.5. Inspect components		*						-	-	-	-
A3.8. TANK SCAVENGE SYSTEM TR: Applicable Aircraft TOs											
A3.8.1. System operation								B	B	-	-
A3.8.2. Perform operational check	*							B	b	-	-
A3.8.3. Troubleshoot system		*						B	b	-	-
A3.8.4. Remove/install components								b	-	-	-
A3.8.5. Inspect components		*						-	-	-	-
A3.9. PRESSURIZATION/VENT SYSTEM TR: Applicable Aircraft TOs											
A3.9.1. System operation								B	B	-	-
A3.9.2. Perform operational check	*							B	b	-	-
A3.9.3. Troubleshoot system		*						B	b	-	-
A3.9.4. Remove/install components								2b	-	-	-
A3.9.5. Inspect components		*						-	-	-	-
A3.10. HEAT EXCHANGER SYSTEM TR: Applicable Aircraft TOs											
A3.10.1. System operation								A	B	-	-
A3.10.2. Perform operational check	*							-	-	-	-

Generic Aircraft 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 Atch 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A3.10.3. Troubleshoot system		*						-	-	-	-
A3.10.4. Remove/install components								-	-	-	-
A3.10.5. Inspect components		*							-	-	-
A3.11. FUEL QUANTITY INDICATING SYSTEM TR: Applicable Aircraft TOs											
A3.11.1. System operation								A	B	-	-
A3.11.2. Remove/install tank components								2b	-	-	-
A3.11.3. Inspect tank components								-	-	-	-
A3.12. EXTERNAL FUEL TANK MAINTENANCE TR: Applicable Equipment TOs											
A3.12.1. Issue/receive external tanks								-	-	-	-
A3.12.2. Perform certification checks								-	-	-	-
A3.12.3. Troubleshoot external fuel tanks								-	b	-	-
A3.12.4. Remove/install components								-	-	-	-
A3.12.5. Inspect components		*						-	-	-	-
A3.12.6. Pressure check removed external fuel tanks								-	-	-	-



## A-10 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 Atch 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
NOTE: This STS is mandatory if trainee is required to maintain the A-10 aircraft.											
A4. A-10											
A4.1. A-10 AIRCRAFT GENERAL TR: 1A-10A-2-1-1, 1A-10A-2-28JG											
A4.1.1. Safe for Maintenance								-	-	-	-
A4.1.2. Safety Precautions								-	-	-	-
A4.1.3. Apply/Remove External Power								-	-	-	-
A4.1.4. Remove, Install, and Inspect Fuel Tubing and Couplings								-	-	-	-
A4.2. ENGINE FEED AND CROSSFEED SYSTEMS TR: Aircraft TO 1A-10A-2-1-1, 1A-10A-2-28MS-1, 1A-10A-2-28JG-1 and 1A-10A-2-28TS-1											
A4.2.1. System Operation								-	-	-	-
A4.2.2. Perform Operational Check											
A4.2.2.1. Boost Pumps	*							-	-	-	-
A4.2.2.2. Direct Current Pump	*/R							-	-	-	-
A4.2.2.3. Crossfeed Valves	*/R							-	-	-	-
A4.2.2.4. Engine Shutoff Valves	*							-	-	-	-
A4.2.2.5. Tank Gate Valve	*/R							-	-	-	-
A4.2.2.6. Dual Float Check Valve	*/R							-	-	-	-
A4.2.3. Troubleshoot System											
A4.2.3.1. Main Tank Boost Pump		*						-	-	-	-
A4.2.3.2. Wing Boost Pump		*/R						-	-	-	-
A4.2.3.3. Direct Current Pump		*						-	-	-	-
A4.2.3.4. Engine Feed/Boost Pump Pressure Lights		*/R						-	-	-	-
A4.2.3.5. Crossfeed Valves		*						-	-	-	-
A4.2.3.6. Engine Shutoff Valves		*/R						-	-	-	-
A4.2.3.7. Tank Gate Valve		*/R						-	-	-	-
A4.2.4. Remove/Install Components											
A4.2.4.1. Boost Pumps								-	-	-	-
A4.2.4.2. Direct Current Pump								-	-	-	-
A4.2.4.3. Crossfeed Valves								-	-	-	-
A4.2.4.4. Engine Shutoff Valves								-	-	-	-
A4.2.4.5. Tank Gate Valve								-	-	-	-

## A-10 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 Atch 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A4.2.4.6. Dual Float Check Valve								-	-	-	-
A4.2.4.7. Left/Right Pressure Switch								-	-	-	-
A4.2.5. Inspect Components								-	-	-	-
A4.3. GROUND TRANSFER SYSTEM TR: Aircraft TO 1A-10A-2-1-1, 1A-10A-2-28MS-1, 1A-10A-2-28JG and 1A-10A-2-28TS-1											
A4.3.1. System Operation								-	-	-	-
A4.3.2. Perform Operational Check											
A4.3.2.1. Transfer Between Main Tanks and Wing Tanks	*							-	-	-	-
A4.3.2.2. Transfer External Tanks	*							-	-	-	-
A4.3.3. Perform External Fuel TankCheckout using Pre-installation Tester	*							-	-	-	-
A4.4. GROUND REFUELING AND DEFUELING SYSTEMS TR: Aircraft TO 1A-10A-2-1-1, 1A-10A-2-28MS-1, 1A-10A-2-28JG and 1A-10A-2-28TS-1											
A4.4.1. System Operation								-	-	-	-
A4.4.2. Perform Operational Check											
A4.4.2.1. Main Tank Refuel System	*							-	-	-	-
A4.4.2.2. Internal Wing Tank Refuel System	*							-	-	-	-
A4.4.2.3. External Tank Refuel System	*							-	-	-	-
A4.4.2.4. Defuel System	*							-	-	-	-
A4.4.3. Troubleshoot System											
A4.4.3.1. Main Tank Refuel System		*						-	-	-	-
A4.4.3.2. Internal Wing Tank Refuel System		*/R						-	-	-	-
A4.4.3.3. External Tank Refuel System		*/R						-	-	-	-
A4.4.3.4. Defuel System		*/R						-	-	-	-
A4.4.4. Remove/Install Components											
A4.4.4.1. Main Tank Refuel Shutoff Valve								-	-	-	-
A4.4.4.2. Main Tank Refuel Pilot Valve								-	-	-	-
A4.4.4.3. Internal Wing Tank Refuel Shutoff Valve								-	-	-	-
A4.4.4.4. Internal Wing Tank Pilot Valve								-	-	-	-
A4.4.4.5. External Fuel Tank Shutoff Valve								-	-	-	-
A4.4.4.6. Defuel Shutoff Valve								-	-	-	-

## A-10 Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Atch 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC	7 Skill Level	C 7 Skill Level
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A4.4.4.7. Single Point Refueling Adapter and Cap								-	-	-	-
A4.4.5. Inspect Components								-	-	-	-
A4.5. UNIVERSAL AIR REFUELING RECEIVER SYSTEM (UARRS) TR: 1A-10A-2-1-1, 1A-10A-2-28MS-1, 1A-10A-2-28TS-1 and 1A-10A-2-28JG-3											
A4.5.1. System Operation								-	-	-	-
A4.5.2. Perform Operational Check											
A4.5.2.1. UARRS Operational Dry Check	*							-	-	-	-
A4.5.2.2. UARRS Operational Wet Check								-	-	-	-
A4.5.2.3. UARRS Manifold/Line Purge Check	*							-	-	-	-
A4.5.3. Troubleshoot System											
A4.5.3.1. UARRS System		*						-	-	-	-
A4.5.3.2. Manifold Purge		*/R						-	-	-	-
A4.5.4. Remove/Install Components											
A4.5.4.1. UARRS Assembly								-	-	-	-
A4.5.4.2. Door/Skid Plate Assembly								-	-	-	-
A4.5.4.3. Line Purge Solenoid Valve								-	-	-	-
A4.5.5. Inspect Components								-	-	-	-
A4.6. PRESSURIZATION/VENT SYSTEM TR: Aircraft TO 1A-10A-2-1-1, 1A-10A-2-28JG, 1A-10A-2-28TS-1 and 1A-10A-2-28MS-1											
A4.6.1. System Operation								-	-	-	-
A4.6.2. Perform Moisture Removal Checkout	*							-	-	-	-
A4.6.3. Troubleshoot System											
A4.6.3.1. External Pressurization		*						-	-	-	-
A4.6.3.2. Venting Fuel Overboard		*						-	-	-	-
A4.6.4. Remove/Install Components											
A4.6.4.1. External Vent/Pressurization Valves								-	-	-	-
A4.6.4.2. External Vent/Pressurization Check Valves								-	-	-	-
A4.6.4.3. Air Pressure Regulator								-	-	-	-
A4.6.4.4. Wing Float Vent Valves (Dive)								-	-	-	-

## A-10 Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Atch 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A4.6.4.5. Vent Tank Assembly								-	-	-	-
A4.6.5. Inspect Components								-	-	-	-
A4.7. FUEL QUANTITY INDICATING SYSTEM TR: Aircraft TO 1A-10A-2-1-1, 1A-10A-2-28JG-5 and 1A-10A-2-28MS-1											
A4.7.1. System Operation								-	-	-	-
A4.7.2. Remove/Install Components											
A4.7.2.1. Main Tank Probes								-	-	-	-
A4.7.2.2. Internal Wing Tank Probes								-	-	-	-
A4.7.2.3. Internal Wing Tank Wiring								-	-	-	-
A4.7.3. Inspect Components								-	-	-	-
A4.8. EXTERNAL FUEL TANK MAINTENANCE TR: Tank TO 1A-10A-2-28JG-4, 6J14-2-29-2, 6J14-2-37-3, 1A-10A-2-28TS-1											
A4.8.1. Perform Certification Checks								-	-	-	-
A4.8.2. Troubleshoot External Fuel Tanks								-	-	-	-
A4.8.3. Remove/Install Components								-	-	-	-
A4.8.4. Inspect Tank and Components								-	-	-	-
A4.8.5. Pressure Check Removed External Fuel Tanks								-	-	-	-
A4.9. INTEGRAL WING TANKS TR: TO 1A-10A-3-1, 1A-10A-2-1, 1A-10A-4-51, and 1-1-3											
A4.9.1. Perform Injection Repair of Wing Tanks								-	-	-	-
A4.9.2. Perform Hollow Bolt Injection								-	-	-	-
A4.9.3. Remove/Install Tank Drains								-	-	-	-

## B-1B Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)			
			A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
NOTE: This STS is mandatory if trainee is required to maintain the B-1B aircraft.											
A5. B-1B											
A5.1. B-1B AIRCRAFT GENERAL TR: 1B-1B-2-28GS-00-1											
A5.1.1. B-1B Safety Precautions								-	-	-	-
A5.1.2. Perform Aircraft Safe For Maintenance								-	-	-	-
A5.1.3. Apply/Remove Ground Power and Cooling Air								-	-	-	-
A5.1.4. Remove, Inspect, and Install Fuel System Tubing and Fuel Couplings								-	-	-	-
A5.2. CENTRAL INTEGRATED TEST SYSTEM (CITS) TR: 1B-1B-2-28GS-00-1, 1B-1B-2-46GS-00-1											
A5.2.1. System Operation								-	-	-	-
A5.2.2. Operate CITS Panel		*						-	-	-	-
A5.2.3. Troubleshoot Using CITS		*						-	-	-	-
A5.2.4. Analyze CITS Data								-	-	-	-
A5.2.5. Retrieve CITS Expert Parameter System (CEPS) Data								-	-	-	-
A5.2.6. Retrieve CITS Deployable Diagnostic System (CDDS) Data								-	-	-	-
A5.3. ELECTRICAL MULTIPLEX (EMUX) SYSTEM FAMILIARIZATION TR: 1B-1B-2-92GS-00-1											
A5.3.1. Principles								-	-	-	-
A5.3.2. Schematics								-	-	-	-
A5.3.3. AND/OR Gates								-	-	-	-
A5.3.4. Inverters								-	-	-	-
A5.4. ENGINE FEED SYSTEM TR: 1B-1B-2-28GS-00-1 (28-23-00)											
A5.4.1. System Operation								-	-	-	-
A5.4.2. Perform Operational Check											
A5.4.2.1. Fuel Boost Pumps		*						-	-	-	-
A5.4.2.2. Fuel Crossfeed Valve		*/R						-	-	-	-
A5.4.2.3. Fuel Isolation Valve		*/R						-	-	-	-
A5.4.2.4. Cooling Loop Isolation Valve		*/R						-	-	-	-
A5.4.2.5. Firewall Shutoff Valve		*						-	-	-	-
A5.4.2.6. APU Shutoff Valve		*/R						-	-	-	-

## B-1B Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)				
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level	
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course	
A5.4.2.7. Cooling Loop Bypass Valve	*/R								-	-	-	-
A5.4.2.8. Air Induction Valve	*/R								-	-	-	-
A5.4.3. Troubleshoot System		*							-	-	-	-
A5.4.4. Remove/Install Components												
A5.4.4.1. Airframe Mass Fuel Flow Meters									-	-	-	-
A5.4.4.2. Fuel Boost Pumps									-	-	-	-
A5.4.4.3. Fuel Crossfeed Valve Body/Actuator									-	-	-	-
A5.4.4.4. Fuel Isolation Valve Body/Actuator									-	-	-	-
A5.4.4.5. Cooling Loop Isolation Valve Body/Actuator									-	-	-	-
A5.4.4.6. Firewall Shutoff Valve Body/Actuator									-	-	-	-
A5.4.4.7. APU Shutoff Valve Body/Actuator									-	-	-	-
A5.4.4.8. Cooling Loop Bypass Valve Body/Actuator									-	-	-	-
A5.4.4.9. Air Induction Valve Body/Actuator									-	-	-	-
A5.4.4.10. Flapper Check Valves									-	-	-	-
A5.4.5. Inspect Components									-	-	-	-
A5.5. FUEL JETTISON/DUMP SYSTEM TR: 1B-1B-2-28GS-00-1 (28-30-00)												
A5.5.1. System Operation									-	-	-	-
A5.5.2. Perform Operational Check	*								-	-	-	-
A5.5.3. Troubleshoot System		*							-	-	-	-
A5.5.4. Remove/Install Dump Valve Body/Actuator									-	-	-	-
A5.5.5. Inspect Components									-	-	-	-
A5.6. TRANSFER SYSTEM TR: 1B-1B-2-28GS-00-1 (28-21-00)												
A5.6.1. System Operation									-	-	-	-
A5.6.2. Perform Operational Check												
A5.6.2.1. Transfer Pump	*								-	-	-	-
A5.6.2.2. Scavenge Pump	*/R								-	-	-	-
A5.6.2.3. Discrete Fuel Flow Sensor	*/R								-	-	-	-
A5.6.2.4. Ballast Tank Isolation Valve	*/R								-	-	-	-
A5.6.3. Troubleshoot System		*							-	-	-	-

## B-1B Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A5.6.4. Remove/Install Components											
A5.6.4.1. Transfer Pump								-	-	-	-
A5.6.4.2. Scavenge Pump								-	-	-	-
A5.6.4.3. Discrete Fuel Flow Sensor								-	-	-	-
A5.6.4.4. Ballast Tank Isolation Valve Body/Actuator								-	-	-	-
A5.6.4.5. Transfer/Vent Pivot Tube								-	-	-	-
A5.6.5. Rebuild Transfer/Vent Pivot Tube								-	-	-	-
A5.6.6. Inspect Components								-	-	-	-
A5.7. GROUND REFUELING/DEFUELING SYSTEMS TR: 1B-1B-2-28GS-00-1 (28-22-00)											
A5.7.1. System Operation								-	-	-	-
A5.7.2. Perform Operational Check											
A5.7.2.1. Pilot Valve		*/R						-	-	-	-
A5.7.2.2. Pilot Valve Solenoids		*/R						-	-	-	-
A5.7.2.3. Ground Refuel/Defuel Valve		*						-	-	-	-
A5.7.2.4. Fuel Level Control Valve		*/R						-	-	-	-
A5.7.3. Troubleshoot System		*/R						-	-	-	-
A5.7.4. Remove/Install Components											
A5.7.4.1. Pilot Valve								-	-	-	-
A5.7.4.2. Pilot Valve Solenoids								-	-	-	-
A5.7.4.3. Ground Refuel/Defuel Valve Body/Actuator								-	-	-	-
A5.7.4.4. Fuel Level Control Valve								-	-	-	-
A5.7.4.5. Single Point Refueling Receptacle								-	-	-	-
A5.7.5. Inspect Components								-	-	-	-
A5.8. AIR REFUELING (A/R) RECEIVER SYSTEM TR: 1B-1B-2-28GS-00-1 (28-25-00)											
A5.8.1. System Operation								-	-	-	-
A5.8.2. Perform Operational Check		*						-	-	-	-
A5.8.3. Troubleshoot System								-	-	-	-
A5.8.4. Remove/Install Components											
A5.8.4.1. Universal A/R Receptacle								-	-	-	-
A5.8.4.2. A/R Line Coupling								-	-	-	-
A5.8.4.3. A/R Line Pressure Switch								-	-	-	-

## B-1B Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)				
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level	
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course	
A5.8.4.4. EMP Device									-	-	-	-
A5.8.4.5. A/R Signal Amplifier									-	-	-	-
A5.8.4.6. Reverse A/R Refuel Valve Body/Actuator									-	-	-	-
A5.8.4.7. Teflon and Rubber Seals									-	-	-	-
A5.8.4.8. Receptacle Sleeve									-	-	-	-
A5.8.4.9. Induction Coil									-	-	-	-
A.5.8.5. Inspect Components									-	-	-	-
A5.9. PRESSURIZATION/VENT SYSTEM TR: 1B-1B-2-28GS-00-1 (28-11-00)												
A5.9.1. System Operation									-	-	-	-
A.5.9.2. Perform Operational Check												
A5.9.2.1. Pressure Actuated Vent Valve	*								-	-	-	-
A5.9.2.2. Emergency Pressure Actuated Vent Valve	*								-	-	-	-
A5.9.3. Troubleshoot System		*							-	-	-	-
A5.9.4. Remove/Install Components												
A5.9.4.1. Pressure Actuated Vent Valve									-	-	-	-
A5.9.4.2. Emergency Pressure Actuated Vent Valve									-	-	-	-
A5.9.4.3. Climb Pilot Valve									-	-	-	-
A5.9.4.4. Dive Pilot Valve									-	-	-	-
A5.9.5. Inspect Components									-	-	-	-
A5.10. FUEL COOLING LOOP SYSTEM TR: 1B-1B-2-28GS-00-1 (28-24-00)												
A5.10.1. System Operation									-	-	-	-
A5.10.2. Perform Operational Check												
A5.10.2.1. Cooling Loop Pumps	*/R								-	-	-	-
A5.10.2.2. Cooling Loop Crossover Valve	*/R								-	-	-	-
A5.10.2.3. Cooling Loop Return Valve	*/R								-	-	-	-
A5.10.3. Troubleshoot System		*							-	-	-	-
A5.10.4. Remove/Install Components												
A5.10.4.1. Cooling Loop Pumps									-	-	-	-
A5.10.4.2. Cooling Loop Crossover Valve Body/Actuator									-	-	-	-
A5.10.4.3. Cooling Loop Return Valve Body/Actuator									-	-	-	-

## B-1B Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC	C 7 Skill Level	Course
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A5.10.4.4. Cooling Loop Filter								-	-	-	-
A5.10.4.5. Heat Exchangers								-	-	-	-
A5.10.4.6. Flapper Check Valves								-	-	-	-
A5.10.5. Inspect Components								-	-	-	-
A5.11. FUEL CENTER OF GRAVITY MANAGEMENT SYSTEM (FCGMS) TR: 1B-1B-2-28GS-00-1 (28-51-00)											
A5.11.1. System Operation								-	-	-	-
A5.11.2. Remove/Install Components											
A5.11.2.1. Fuel Probes								-	-	-	-
A5.11.2.2. Wire Harnesses								-	-	-	-
A5.11.3. Inspect Components								-	-	-	-
A5.12. WEAPONS BAY FUEL TANKS TR: 6J14-7-6-2											
A5.12.1. System Operation								-	-	-	-
A5.12.2. Perform Operational Check	*							-	-	-	-
A5.12.3. Troubleshoot System		*						-	-	-	-
A5.12.4. Remove/Install Components											
A5.12.4.1. Vent Stand Pipe								-	-	-	-
A5.12.4.2. Pumps								-	-	-	-
A5.12.4.3. Fuel Quantity Probes								-	-	-	-
A5.12.4.4. Pilot Valve								-	-	-	-
A5.12.4.5. Fuel Level Control Valve								-	-	-	-
A5.12.5. Overhaul Vent Stand Pipe								-	-	-	-
A5.12.6. Inspect Components								-	-	-	-
A5.13. INTEGRAL FUEL TANK REPAIR TR: 1-1-3 and 1B-1B-2-28GS-00-1											
A5.13.1. Perform Injection Repair of Wing Tanks								-	-	-	-
A5.13.2. Perform Hollow Bolt Injection								-	-	-	-
A5.13.3.. Remove/Install Tank Drains								-	-	-	-
A5.13.4. Use Technical Support Center (TSC) to Document Fuel Leaks								-	-	-	-



## B-2 Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)			
			A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
NOTE: This STS is mandatory if trainee is required to maintain the B-2 aircraft.											
A6.	B-2										
A6.1	B-2 AIRCRAFT GENERAL										
A6.1.1.	Safety Precautions TR: 1B-2A-2-01JG-00-1							-	-	-	-
A6.1.2.	Remove/Inspect/Install Fuel Tubing and Couplings TR: 1B-2A-2-28JG-00-1, 28-00-00							-	-	-	-
A6.1.3.	Hardness Critical Procedures (HCP) TR: 1B-2A-2-01JG-10-1							-	-	-	-
A6.1.4.	Low Observable Critical Procedures TR: 1B-2A-2-01JG-60-2							-	-	-	-
A6.1.5.	Electrostatic Discharge Procedures (ESD) TR: 1B-2A-2-01JG-00-1							-	-	-	-
A6.1.6.	Operate Intercommunication System (ICS) TR: 1B-2A-2-05JG-10-1							-	-	-	-
A6.1.7.	Apply/Remove Aircraft Power TR: 1B-2A-2-05JG-10-1							-	-	-	-
A6.1.8	Apply/Remove Cooling Air TR: 1B-2A-2-05JG-10-1							-	-	-	-
A6.1.9.	Operate On Board Maintenance Printer (OBMP) TR: 1B-2A-2-28GS-00-1							-	-	-	-
A6.1.10.	Use OBTS Processor (OGP) Reports for Fault Isolation of System Malfunction TR: 1B-2A-2-28GS-00-1							-	-	-	-
A6.1.11.	Perform FMMS Ground Readiness Test (IBITS) TR: 1B-2A-2-40JG-10-1, 40-10-28-1							-	-	-	-
A6.1.12.	Perform Aircraft Safe for Maintenance TR: 1B-2A-05JG-20-1, 05-21-01							-	-	-	-
A6.2.	ENGINE FEED AND CROSSFEED SYSTEMS TR: 1B-2A-2-28JG-20-2,3,4										
A6.2.1	System Operation							-	-	-	-
A6.2.2.	Perform Operational Check TR: 1B-2A-2-28JG-20-2										
A6.2.2.1	Engine Fuel Pumps		*					-	-	-	-
A6.2.2.2.	Transfer Pumps		*					-	-	-	-
A6.2.2.3.	Override Pumps		*					-	-	-	-

## B-2 Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A6.2.3. Perform Gravity Drain Checkout TR: 28-24-101								-	-	-	-
A6.2.4. Troubleshoot System		*						-	-	-	-
A6.2.5. Remove/Install Components TR: 1B-2A-2-28JG-20-2,3,4											
A6.2.4.1. Pumps/Motors/Impellers TR: 28-24-101								-	-	-	-
A6.2.4.2. Valve Actuator TR: 28-24-115								-	-	-	-
A6.2.4.3. Pressure switch TR: 28-24-111								-	-	-	-
A6.2.4.4. Boost Pump Housing TR: 28-24-129								-	-	-	-
A6.2.5. Inspect Components								-	-	-	-
A6.3. FUEL JETTISON/DUMP SYSTEM TR: 1B-2A-28JG-30-1											
A6.3.1. System Operation								-	-	-	-
A6.3.2. Perform Operational Check TR: 28-30-1		*						-	-	-	-
A6.3.3. Troubleshoot System		*						-	-	-	-
A6.3.4. Remove/Install Components TR: 1B-2A-2-28JG-20-2,3,4											
A6.3.4.1. Dump Valve Body TR: 28-31-105								-	-	-	-
A6.3.4.2. Dump Valve Actuator TR: 28-31-101								-	-	-	-
A6.3.4.3. Adapter Shaft TR: 28-31-103								-	-	-	-
A6.3.5. Inspect Components								-	-	-	-
A6.4. TRANSFER SYSTEM TR: 1B-2-28JG-20-2,3,4											
A6.4.1. System Operation								-	-	-	-
A6.4.2. Perform Operational Check TR: 28-00-15		*						-	-	-	-
A6.4.3. Troubleshoot System		*						-	-	-	-
A6.4.4. Remove/Install Components TR: 1B-2A-2-28JG-20-2,3,4,											
A6.4.4.1. Actuator TR: 28-24-125								-	-	-	-
A6.4.4.2. Aux/Override Pump Housing TR: 28-24-133								-	-	-	-
A6.4.4.3. Main Tank Transfer Pump Housing TR: 28-24-145								-	-	-	-

## B-2 Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A6.4.4.4. Crossfeed Valve Body TR: 28-24-145								-	-	-	-
A6.4.4.5. Transfer/Override Pump/Motor/Impeller TR: 28-24-111								-	-	-	-
A6.4.4.6. Pump Pressure Switch TR: 28-24-111								-	-	-	-
A6.4.4.7. Valve Body TR: 28-24-121								-	-	-	-
A6.4.4.8. Valve Drive Shaft TR: 28-24-107								-	-	-	-
A6.4.4.9. Siphon Feed Check Valve TR: 28-24-107								-	-	-	-
A6.4.4.10. Crossfeed Actuator TR: 28-24-143								-	-	-	-
A6.4.5. Inspect Components								-	-	-	-
A6.5. GROUND REFUELING AND DEFUELING SYSTEMS TR: 1B-2A-2-28JG-20-1,2											
A6.5.1. System Operation								-	-	-	-
A6.5.2. Perform Operational Check TR: 28-21-01	*							-	-	-	-
A6.5.3. Troubleshoot System		*						-	-	-	-
A6.5.4. Remove/Install Components TR: 1B-2A-2-28JG-20-1,2											
A6.5.4.1. Fuel Level Control Actuator TR: 28-21-103								-	-	-	-
A6.5.4.2. Precheck Solenoid Valve TR: 28-21-141								-	-	-	-
A6.5.4.3. Valve Body TR: 28-21-135								-	-	-	-
A6.5.4.4. Ground Refuel Receptacle Assemblies TR: 28-21-115								-	-	-	-
A6.5.4.5. Pilot Valve TR: 28-21-107								-	-	-	-
A6.5.4.6. Actuator TR: 28-21-121								-	-	-	-
A6.5.4.7. Secondary Level Shutoff Valve TR: 28-21-109								-	-	-	-
A6.5.5. Inspect Components								-	-	-	-
A6.6. AIR REFUELING RECEIVER SYSTEM TR: 1B-2A-2-28JG-20-5,6											
A6.6.1. System Operation								-	-	-	-

## B-2 Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)				
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level	
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course	
A6.6.2	Perform Operational Check TR: 28-27-03								-	-	-	-
A6.6.3.	Troubleshoot System								-	-	-	-
A6.6.4.	Remove/Install Components TR: 1B-2A-2-28JG-20-5,6											
A6.6.4.1.	Limit Switches TR: 28-27-137								-	-	-	-
A6.6.4.2.	Check Valves TR: 28-27-103								-	-	-	-
A6.6.4.3.	Canopy TR: 28-27-101								-	-	-	-
A6.6.4.4.	Receptacle TR: 28-27-101								-	-	-	-
A6.6.4.5.	Pressure Disconnect Switch TR: 28-27-113								-	-	-	-
A6.6.4.6.	Poppet/Seal/Sleeve TR: 28-27-133								-	-	-	-
A6.6.4.7.	Induction Coil TR: 28-27-135								-	-	-	-
A6.6.4.8.	EMP Filter TR: 28-27-139								-	-	-	-
A6.6.4.9.	Signal Amplifier TR: 28-27-141								-	-	-	-
A6.6.4.10.	Slipway Assembly TR: 28-27-101								-	-	-	-
A6.6.5.	Inspect Components								-	-	-	-
A6.7.	MANIFOLD SCAVENGE/DRAIN SYSTEM TR: 1B-2A-2-28JG-20-1,6,7											
A6.7.1	System Operation								-	-	-	-
A6.7.2.	Perform Operational Check	*							-	-	-	-
A6.7.3.	Troubleshoot System		*						-	-	-	-
A6.7.4.	Remove/Install Flight Scavenge Jet Pump TR: 28-00-00								-	-	-	-
A6.7.5.	Inspect Components								-	-	-	-
A6.8.	TANK SCAVENGE SYSTEM TR: 1B-2A-2-28JG-20-7											
A6.8.1.	System Operation								-	-	-	-
A6.8.2.	Perform Operational Check TR: 28-20-6	*							-	-	-	-
A6.8.3.	Troubleshoot System		*						-	-	-	-
A6.8.4.	Remove/Install Components TR: 1B-2A-2-28JG-20-6,7											

## B-2 Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)				
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level	
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course	
A6.8.4.1. Scavenge Pump TR: 28-28-101									-	-	-	-
A6.8.4.2. Selector Valves TR: 28-28-105/107									-	-	-	-
A6.8.4.3. Surge Tank Level Switch TR: 28-28-111									-	-	-	-
A6.8.4.4. Scavenge Pump Housing TR: 28-28-113									-	-	-	-
A6.8.4.5. Tank Scavenge Jet Pump TR: 28-00-00									-	-	-	-
A6.8.5. Inspect Components									-	-	-	-
A6.9. VENT SYSTEM TR: 1B-2A-2-28JG-40-1,2												
A6.9.1. System Operation									-	-	-	-
A6.9.2. Perform Operational Check	*								-	-	-	-
A6.9.3. Troubleshoot System		*							-	-	-	-
A6.9.4. Remove/Install Components TR: 1B-2A-2-28JG-10-1												
A6.9.4.1. Vent Drain Valve TR: 28-00-00									-	-	-	-
A6.9.4.2. Float Valve TR: 28-00-00									-	-	-	-
A6.9.4.3. Gravity Fill Port TR: 28-11-103									-	-	-	-
A6.9.4.4. Vent/Dump Outlet TR: 28-11-105									-	-	-	-
A6.9.4.5. Vent and Control Valve Assembly TR: 28-11-101									-	-	-	-
A6.9.4.6. Vent Crossfeed Actuator TR: 28-15-107									-	-	-	-
A6.9.4.7. ASC Tank Pressure Switch TR: 28-15-109									-	-	-	-
A6.9.4.8. Vent Crossfeed Valve Body TR: 28-15-113									-	-	-	-
A6.9.5. Inspect Components									-	-	-	-
A6.10. FUEL QUANTITY INDICATING SYSTEM TR: 1B-2A-2-28JG-40-1,2												
A6.10.1. System Operation TR: 28-40-01									-	-	-	-
A6.10.2. Remove/Install Tank Components TR: 1B-2A-28JG40-1/2												
A6.10.2.1. Segmented Fuel Quantity Sensor TR: 28-42-113									-	-	-	-

## B-2 Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A6.10.2.2. Main Tank Fuel Level Switch TR: 28-42-103								-	-	-	-
A6.10.2.3. Compensator TR: 28-42-107								-	-	-	-
A6.10.2.4. Fuel Quantity Sensor TR: 28-42-109								-	-	-	-
A6.10.3. Inspect Components								-	-	-	-
A6.11. TEMPERATURE CONTROL FUEL MIXING SYSTEM TR: 1B-2A-28JG-20-4/5, 28JG-40-1, 29JG-10-1, 83JG-50-1											
A6.11.1. System Operation TR: 1B-2A-2-28GS-00-1								-	-	-	-
A6.11.2. Perform Operational Check TR: 1B-2A-2-28JG-20-4, 28-26-01											
A6.11.2.1. Cooling Loop	*							-	-	-	-
A6.11.2.2. 3-Way Cooling Valve	*							-	-	-	-
A6.11.2.3. Temperature Control Valve	*							-	-	-	-
A6.11.2.4. Mix Control Valve	*							-	-	-	-
A6.11.3. Troubleshoot System		*						-	-	-	-
A6.11.4. Remove/Install Components TR: 1B-2A-2-28JG-4/5, 83JG-50-1, 29JG-10-1, 28JG-40-2											
A6.11.4.1. Cooling Valve Actuator TR: 28-26-101								-	-	-	-
A6.11.4.2. Temp/Mix Control Valve Actuator TR: 28-26-103								-	-	-	-
A6.11.4.3. Ambient Pressure Transducer TR: 28-20-00								-	-	-	-
A6.11.4.4. AMAD Differential Pressure Transducer TR: 28-42-119								-	-	-	-
A6.11.4.5. Tank Temperature Sensor TR: 28-42-117								-	-	-	-
A6.11.4.6. Manifold Temperature Sensor TR: 28-42-117								-	-	-	-
A6.11.4.7. Heat Exchanger Check-Valve TR: 28-26-105								-	-	-	-
A6.11.4.8. Adapter Shaft TR: 28-26-109								-	-	-	-
A6.11.4.9. Cooling Valve Body TR: 28-26-111								-	-	-	-
A6.11.4.10. Hydraulic Heat Exchanger TR: 29-11-109								-	-	-	-

## B-2 Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A6.11.4.11. AMAD Oil Heat Exchanger TR: 83-51-101								-	-	-	-
A6.11.4.12. HX Valve Body TR: 28-26-113								-	-	-	-
A6.11.4.13. Mixing Valve Body TR: 28-26-115								-	-	-	-
A6.11.4.14. Temp Control Valve Body TR: 28-26-117								-	-	-	-
A6.11.5. Inspect Components TR: 1B-2A-2-28JG-4/5, 83JG-50-1, 29JG-10-1, 28JG-40-2								-	-	-	-
A6.12. FUEL TANK ENTRY TR: TO 1-1-3 and 1B-2A-2-28JG-00-1											
A6.12.1. Install/Remove Tank Access Door Rings TR: 1B-2A-2-28JG-00-1	*							-	-	-	-
A6.12.2. Install/Remove Inbd Aux Tank Crawl Boards TR: 1B-2A-2-28JG-00-1	*							-	-	-	-
A6.13. INTEGRAL FUEL TANK MAINTENANCE TR: TO 1-1-3 and 1B-2A-2-28JG-00-1											
A6.13.1. Perform Full Wing Pressure Test TR: 1B-2A-2-28JG-00-1								-	-	-	-
A6.13.2. Identify Weep Hole Locations								-	-	-	-
A6.13.3. Repair Copper Plating								-	-	-	-
A6.13.4. Repair and Inspect Kynar								-	-	-	-



## B-52H Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)			
			A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
NOTE: This STS is mandatory if trainee is required to maintain the B-52 aircraft.											
A7.	B-52H AIRCRAFT										
A7.1.	B-52H AIRCRAFT GENERAL TR: TO 1B-52H-2-5JG-1, 1B-52H-2-5GA-1, and 1B-52H-2-2JG-1										
A7.1.1.	Perform Aircraft Safe for Maintenance							-	-	-	-
A7.1.2.	Safety Precautions							-	-	-	-
A7.1.3.	Apply External Power							-	-	-	-
A7.1.4.	Remove, Install and Inspect Fuel Tubing, Hoses, and Couplings							-	-	-	-
A7.2.	ENGINE FEED AND AUXILIARY FEED SYSTEMS TR: TO 1B-52H-2-5JG-1,-2,-3,-4 and -5, 1B-52H-2-5GA-1, and 1B-52H-2-5MS-3, -4, and -5										
A7.2.1.	System Operation							-	-	-	-
A7.2.2.	Perform Fuel Feed System Operational Check		*					-	-	-	-
A7.2.3.	Troubleshoot System										
A7.2.3.1.	Engine Feed System		*					-	-	-	-
A7.2.3.2.	Auxiliary Feed System		*					-	-	-	-
A7.2.3.3.	Boost Pump		*					-	-	-	-
A7.2.3.4.	Firewall Shutoff Valve		*					-	-	-	-
A7.2.3.5.	Engine Crossfeed/Auxiliary Tank Feed Valve		*					-	-	-	-
A7.2.3.6.	Valves 29/29A		*					-	-	-	-
A7.2.4.	Remove/Install Components										
A7.2.4.1.	Boost Pump							-	-	-	-
A7.2.4.2.	Firewall Shutoff Valve and Actuator							-	-	-	-
A7.2.4.3.	Engine Crossfeed/Auxiliary Tank Feed Valves							-	-	-	-
A7.2.4.4.	Valve 29, 29A, and Actuators							-	-	-	-
A7.2.4.5.	Fuel Flow Indicating Switch							-	-	-	-
A7.2.4.6.	Pressure Loaded Check Valves							-	-	-	-
A7.2.5.	Perform Boost Pump Wire Conduit Pressure Check							-	-	-	-
A7.2.6.	Inspect Components							-	-	-	-
A7.3.	REFUEL SYSTEM TR: TO 1B-52H-2-5-GA-1, 1B-52H-2-5JG-5 and -6, and 1B-52H-2-5MS-7 and -8										

## B-52H Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A7.3.1. System Operation								-	-	-	-
A7.3.2. Perform Operational Check											
A7.3.2.1. Fuel Level Control Valve	*/R							-	-	-	-
A7.3.2.2. Main Refuel Valve	*							-	-	-	-
A7.3.2.3. Defuel Valve	*/R							-	-	-	-
A7.3.3. Troubleshoot System		*						-	-	-	-
A7.3.4. Remove/Install Components											
A7.3.4.1. Fuel Level Control Valve								-	-	-	-
A7.3.4.2. Fuel Level Control Valve Microswitch								-	-	-	-
A7.3.4.3. Defuel Valve and Actuator								-	-	-	-
A7.3.4.4. Pressure Switches								-	-	-	-
A7.3.4.5. Check Valves								-	-	-	-
A7.3.4.6. Drain Valves								-	-	-	-
A7.3.4.7. Tolerance Couplings								-	-	-	-
A7.3.4.8. Single Point Refueling Receptacle								-	-	-	-
A7.3.5. Inspect Components								-	-	-	-
A7.4. FUEL SCAVENGE SYSTEM TR: TO 1B-52H-2-5GA-1, 1B-52H-2-5JG-6 and 1B-52H-2-5MS-8											
A7.4.1. System Operation								-	-	-	-
A7.4.2. Perform Operational Check											
A7.4.2.1. Main Manifold Scavenge System	*							-	-	-	-
A7.4.2.2. Cabin Manifold Scavenge System	*							-	-	-	-
A7.4.3. Troubleshoot											
A7.4.3.1. Main Manifold Scavenge System		*						-	-	-	-
A7.4.3.2. Cabin Manifold Scavenge System		*						-	-	-	-
A7.4.4. Remove/Install Components											
A7.4.4.1. Scavenge Pump								-	-	-	-
A7.4.4.2. Float Switch								-	-	-	-
A7.4.4.3. Manifold Shutoff Valve								-	-	-	-
A7.4.5. Inspect Components								-	-	-	-
A7.5. TANK, CAVITY VENT, AND DRAIN SYSTEM TR: TO 1B-52H-2-5GA-1, 1B-52H-2-5JG-1, -6, -7, 1B-52H-2-5MS-1, and 1B-52H-2-5JG-6 and -7											
A7.5.1. System Operation								-	-	-	-

## B-52H Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)			
			A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A7.5.2. Troubleshoot System		*						-	-	-	-
A7.5.3. Remove/Install Components											
A7.5.3.1. Body Tank Drain Valve								-	-	-	-
A7.5.3.2. Wing Tank Drain Valve								-	-	-	-
A7.5.3.3. Boost Pump Drain Valve								-	-	-	-
A7.5.3.4. Body Tank Float Valves								-	-	-	-
A7.5.3.5. Wing Tank Float Valves								-	-	-	-
A7.5.3.6. Wing Tank Vacuum Relief Valves								-	-	-	-
A7.5.3.7. Wing Tank Pressure Relief Valves								-	-	-	-
A7.5.3.8. Return Line Check Valves								-	-	-	-
A7.5.4. Inspect Components								-	-	-	-
A7.6. FUEL QUANTITY INDICATING SYSTEM TR: TO 1B-52H-2-5GA-1, 1B-52H-2-5JG-10 and -11											
A7.6.1. System Operation								-	-	-	-
A7.6.2. Remove/Install Components											
A7.6.2.1. Wing Tank Fuel Probes								-	-	-	-
A7.6.2.2. Body Tank Fuel Probes								-	-	-	-
A7.6.3. Inspect Components								-	-	-	-
A7.7. BODY FUEL TANKS TR: TO 1B-52H-2-5GA-1, 1B-52H-2-5JG-1 and -8, and 1B-52H-2-5MS-1 and 1-1-3											
A7.7.1. System Operation								-	-	-	-
A7.7.2. Troubleshoot Body Tank System								-	-	-	-
A7.7.3. Remove/Install Bladder Cell								-	-	-	-
A7.8. INTEGRAL WING TANK AND EXTERNAL TANK MAINTENANCE TR: TO 1-1-3, 1B-52H-2-5JG-9, and 1B-52H-2-5MS-1 and -2											
A7.8.1. Perform Wing Tank Vent Duct Test											
A7.8.1.1. Air Test								-	-	-	-
A7.8.1.2. Water Test								-	-	-	-



## C-5 Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
NOTE: This STS is mandatory if trainee is required to maintain the C-5 aircraft.											
A8. C-5											
A8.1. C-5 AIRCRAFT GENERAL TR: Applicable aircraft TOs (e.g., workcards, checklists, etc)											
A8.1.1. Perform Inspections (HSC/ISO/Phase)								-	-	-	-
A8.1.2. Apply/Remove External Electrical Power								-	-	-	-
A8.1.3. Remove, Install and Inspect Fuel Tubing Manifold and Couplings								-	-	-	-
A8.1.4. Operate Fuel Management Panel	*							-	-	-	-
A8.1.5. Egress Operation TR: TO 1C-5A-2-2								-	-	-	-
A8.1.6. Operate Intercom System TR: TOs 1C-5A-2-2 and 1C-5A-2-8								-	-	-	-
A8.1.7. Defensive System Familiarization (Flares)								-	-	-	-
A8.2. ENGINE FEED AND CROSSFEED SYSTEMS TR: TO 1C-5A-2-5, 1C-5A-2-5FI-1-1, 1C-5A-2-5FI-1-2, and 6J15-10-218-3											
A8.2.1. System Operation								-	-	-	-
A8.2.2. Perform Operational Check											
A8.2.2.1. Boost Pump	*							-	-	-	-
A8.2.2.2. Manifold Pressure	*							-	-	-	-
A8.2.2.3. Pylon Manual Shutoff Valve	*							-	-	-	-
A8.2.2.4. Separation Valve	*							-	-	-	-
A8.2.2.5. Cross-Feed Valve	*							-	-	-	-
A8.2.2.6. Isolation Valve	*							-	-	-	-
A8.2.2.7. Fuel Boost Pump Check Valve Cartridges	*							-	-	-	-
A8.2.2.8. Sump Low Warning System Checkout	*							-	-	-	-
A8.2.3. Troubleshoot System		*						-	-	-	-
A8.2.4. Remove/Install Components											
A8.2.4.1. Pylon Manual Shutoff Valve								-	-	-	-
A8.2.4.2. Separation Valve								-	-	-	-
A8.2.4.3. Cross-Feed Valve								-	-	-	-
A8.2.4.4. Boost Pump Elements								-	-	-	-

## C-5 Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)			
	A	B	C	D	E	A 3 Skill Level	B CDC	C 7 Skill Level			
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A8.2.4.5. Boost Pump Check Valve Cartridges								-	-	-	-
A8.2.4.6. Boost Pump Inlet Valve								-	-	-	-
A8.2.4.7. Isolation Valves								-	-	-	-
A8.2.5. Inspect Components								-	-	-	-
A8.3. APU FUEL SUPPLY SYSTEM TR: TO 1C-5A-2-5, 1C-5A-2-5F1-1-1, 1C-5A-1-5F1-1-1, and 6J15-10-218-3											
A8.3.1. System Operation								-	-	-	-
A8.3.2. Perform Operational Check											
A8.3.2.1. Shutoff Valves (Wing)	*							-	-	-	-
A8.3.2.2. Fuel Shutoff Valve (main gear pod)	*							-	-	-	-
A8.3.3. Troubleshoot System		*						-	-	-	-
A8.3.4. Remove/Install Components											
A8.3.4.1. Shutoff Valve (Wing)								-	-	-	-
A8.3.4.2. Fuel Shutoff Valve (main gear pod)								-	-	-	-
A8.3.5. Inspect Components								-	-	-	-
A8.4. GROUND REFUELING AND DEFUELING SYSTEMS TR: TO 1C-5A-2-5, 1C-5A-2-5F1-1-1, 6J10-2-9-3, and 6J15-3-104-3											
A8.4.1. System Operation								-	-	-	-
A8.4.2. Perform Operational Check											
A8.4.2.1. Single Point Refueling Receptacle	*							-	-	-	-
A8.4.2.2. Ground Refueling Isolation Valve	*							-	-	-	-
A8.4.2.3. Single Point Refueling Drain Valve and Transfer Pump	*							-	-	-	-
A8.4.2.4. Fuel Level Control Valve	*							-	-	-	-
A8.4.3. Troubleshoot System		*						-	-	-	-
A8.4.4. Remove/Install											
A8.4.4.1. Single Point Refueling Receptacle								-	-	-	-
A8.4.4.2. Ground Refueling Isolation Valve								-	-	-	-
A8.4.4.3. Single Point Refueling Drain Valve and Transfer Pump								-	-	-	-
A8.4.4.4. Fuel Level Control Valve								-	-	-	-
A8.4.4.5. Condensation Drain Valve								-	-	-	-
A8.4.5. Inspect Components								-	-	-	-

## C-5 Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A8.5. AIR REFUELING (A/R) RECEIVER SYSTEM TR: TO 1C-5A-2-5, 1C-5A-2-5F1-1-1											
A8.5.1. System Operation								-	-	-	-
A8.5.2. Perform Operational Check											
A8.5.2.1. A/R Isolation Valve								-	-	-	-
A8.5.2.2. A/R Manifold Drain System								-	-	-	-
A8.5.2.3. A/R Receptacle								-	-	-	-
A8.5.3. Troubleshoot System								-	-	-	-
A8.5.4. Remove/Install											
A8.5.4.1. A/R Receptacle Door								-	-	-	-
A8.5.4.2. A/R Isolation Valve								-	-	-	-
A8.5.4.3. A/R Drain Valve And Transfer Pump								-	-	-	-
A8.5.4.4. A/R Receptacle Poppet And Sleeve								-	-	-	-
A8.5.5. Inspect Components								-	-	-	-
A8.6. PRESSURIZATION/VENT SYSTEM TR: TO 1C-5A-2-5											
A8.6.1. System Operation								-	-	-	-
A8.6.2. Perform Operational Check											
A8.6.2.1. Vent Box Float Switch	*							-	-	-	-
A8.6.2.2. Vent Valve	*							-	-	-	-
A8.6.2.3. Manifold Drain Valve	*/R							-	-	-	-
A8.6.2.4. Finned Tube Heat Exchanger Leak Check								-	-	-	-
A8.6.3. Troubleshoot System		*						-	-	-	-
A8.6.4. Remove/Install Components											
A8.6.4.1. Vent Box Float Switch								-	-	-	-
A8.6.4.2. Vent Valve								-	-	-	-
A8.6.4.3. Fuel Manifold Vent Line Check Valve								-	-	-	-
A8.6.4.4. Manifold Drain Valve								-	-	-	-
A8.6.4.5. Finned Tube Heat Exchanger								-	-	-	-
A8.6.5. Inspect Components								-	-	-	-
A8.7. FUEL JETTISON SYSTEM TR: 1C-5A-2-5											
A8.7.1. System Operation								-	-	-	-

## C-5 Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A8.7.2. Perform Operation Check on Fuel Jettison Valve	*							-	-	-	-
A8.7.3. Troubleshoot Fuel Jettison Valve System		*						-	-	-	-
A8.7.4. Remove/Install Components											
A8.7.4.1. Fuel Jettison Valve								-	-	-	-
A8.7.4.2. Fuel Jettison Valve Housing								-	-	-	-
A8.7.5. Inspect Components								-	-	-	-
A8.8. FUEL INDICATION SYSTEM TR: 1C-5A-2-5											
A8.8.1. System Operation								-	-	-	-
A8.8.2. Remove/Install Components											
A8.8.2.1. Fuel Quantity Tank Units								-	-	-	-
A8.8.2.2. Fuel Quantity Harness								-	-	-	-
A8.8.3. Inspect Components								-	-	-	-
A8.9. FUEL TANK ENTRY TR: TOs 1C-5A-2-5 and 1-1-3; AFOSH STDs 48-137 and 91-135; AFOSH 161 Series											
A8.9.1. Prepare Aircraft for Fuel System Maintenance	*							-	-	-	-
A8.10. INTEGRAL WING TANK TR: 1C-5A-2-5, 1-1-3											
A8.10.1. Integral Tank Construction								-	-	-	-
A8.10.2. Tank and Access Door/Panel Sealing Methods								-	-	-	-
A8.10.3. Perform Positive Pressure Test of Integral Tanks								-	-	-	-

## C-9 Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)			
			A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
NOTE: This STS is mandatory if trainee is required to maintain the C-9 aircraft.											
A9. C-9											
A9.1. C-9 AIRCRAFT GENERAL TR: Applicable aircraft and equipment TOs ( e.g., workcards, checklists, etc.)											
A9.1.2. Perform Inspections (HSC/ISO)								-	-	-	-
A9.1.3. Apply External Electrical Power								-	-	-	-
A9.1.4. Remove, Install, and Inspect Fuel Tubing and Couplings								-	-	-	-
A9.2. ENGINE FEED AND CROSSFEED SYSTEM TR: TO 1C-9A-2-28											
A9.2.1. System Operation								-	-	-	-
A9.2.2. Perform Operational Check											
A9.2.2.1. Boost Pumps	*							-	-	-	-
A9.2.2.2. Crossfeed Valve	*/R							-	-	-	-
A9.2.2.3. Engine Firewall Shutoff Valve	*							-	-	-	-
A9.2.2.4. Poppet Check Valves	*/R							-	-	-	-
A9.2.3. Troubleshoot System								-	-	-	-
A9.2.4. Remove/Install											
A9.2.4.1. Boost Pumps								-	-	-	-
A9.2.4.2. Crossfeed Valve								-	-	-	-
A9.2.4.3. Engine Firewall Shutoff Valve								-	-	-	-
A9.2.4.4. Poppet Check Valves								-	-	-	-
A9.2.5. Inspect Components								-	-	-	-
A9.3. APU FUEL SUPPLY SYSTEM TR: TO 1C-9A-2-28											
A9.3.1. System Operation								-	-	-	-
A9.3.2. Perform Operational Check											
A9.3.2.1. Start Pump	*							-	-	-	-
A9.3.2.2. Fire Shutoff Valve	*/R							-	-	-	-
A9.3.3. Troubleshoot System								-	-	-	-
A9.3.4. Remove/Install Components											
A9.3.4.1. Start Pump								-	-	-	-
A9.3.4.2. Fire Shutoff Valve								-	-	-	-
A9.3.5. Inspect Components								-	-	-	-

## C-9 Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC	7	C 7 Skill Level
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A9.4. GROUND REFUELING/DEFUELING SYSTEMS TR: TO 1C-9A -2-28											
A9.4.1. System Operation								-	-	-	-
A9.4.2. Perform Operational Check											
A9.4.2.1. Fill Valve	*							-	-	-	-
A9.4.2.2. Fill Control Float Switch	*/R							-	-	-	-
A9.4.3. Troubleshoot System								-	-	-	-
A9.4.4. Remove/Install											
A9.4.4.1. Fill Valve								-	-	-	-
A9.4.4.2. Fill Control Float Switch								-	-	-	-
A9.4.4.3. Single Point Refueling/Defueling Adapter								-	-	-	-
A9.4.5. Inspect Components								-	-	-	-
A9.10. FUEL LINE SHROUD AND DRAIN SYSTEM TR: TO 1C-9A-2-28											
A9.10.1. System Operation								-	-	-	-
A9.10.2. Troubleshoot System	*							-	-	-	-
A9.10.3. Remove/Install Components								-	-	-	-
A9.10.4. Inspect Components								-	-	-	-
A9.11. VENT SYSTEM TR: TO 1C-9A-2-28											
A9.11.1. System Operation								-	-	-	-
A9.11.2. Troubleshoot System								-	-	-	-
A9.11.3. Remove/Install											
A9.11.3.1. Climb Vent Float Valve								-	-	-	-
A9.11.3.2. Vent Drain Float Valve								-	-	-	-
A9.11.4. Inspect Components								-	-	-	-
A9.12. FUEL QUANTITY INDICATING SYSTEM TR: TO 1C-9A-2-28											
A9.12.1. System Operation								-	-	-	-
A9.12.2. Remove/Install Components								-	-	-	-
A9.12.3. Inspect Components								-	-	-	-

## C-17 Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)			
			A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
NOTE: This STS is mandatory if trainee is required to maintain the C-17 aircraft.											
A10. C-17											
A10.1. C-17 AIRCRAFT GENERAL TR: TO 1C-17A-2-00JG-00-1; TO 1C-17A-2-10JG-60-1; TO 1C-17A-2-12JG-24-1; Applicable aircraft TOs (e.g., workcards, checklists, etc.)											
A10.1.1. Remove, Inspect, and Install Fuel Tubing and Couplings								-	-	-	-
A10.1.2. Perform Inspections HSC/ISO/Phase								-	-	-	-
A10.1.3. Identify Fuselage/Wing Access Entry/Exit								-	-	-	-
A10.1.4. Identify Underfloor Maintenance Tunnel Entry/Exit								-	-	-	-
A10.1.5. Connect/Disconnect External Electrical Power								-	-	-	-
A10.1.6. Connect/Disconnect Ground Air Conditioning Unit								-	-	-	-
A10.1.7. Connect/Disconnect Main Battery								-	-	-	-
A10.2. SERVICING FUEL TR: TO 1C-17A-2-12JG-28-1											
A10.2.1. Perform Single Point Refuel								-	-	-	-
A10.2.2. Perform Single Point Defuel								-	-	-	-
A10.2.3. Drain Fuel Tank/Vent Box Sump								-	-	-	-
A10.2.4. Drain Fuel Manifold								-	-	-	-
A10.3. FIRE PROTECTION EXTINGUISHING TR: TO 1C-17A-2-26JG-20-1											
A10.3.1. System Operation								-	-	-	-
A10.3.2. Perform Operational Check on Engine Fire Fuel Shutoff Gate Valve		*						-	-	-	-
A10.3.3. Troubleshoot Engine Fire Fuel Shutoff Gate Valve			*					-	-	-	-
A10.3.4. Remove/Install Engine Fire Fuel Shutoff Gate Valve and Actuator								-	-	-	-
A10.3.5. Inspect Components								-	-	-	-
A10.4. FUEL STORAGE TR: TO 1C-17A-2-28JG-10-1, 1C-17A-2-28JG-10-2, 1C-17A-2-28JG-10-3											
A10.4.1. System Operation								-	-	-	-
A10.4.2. Perform Operational Check											

## C-17 Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)				
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level	
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course	
A10.4.2.1. Fuel Tank Pressure	*								-	-	-	-
A10.4.2.2. Inert Control Panel	*								-	-	-	-
A10.4.2.3. Secondary Climb & Dive Valve	*								-	-	-	-
A10.4.2.4. Fuel Center Separation Valve	*								-	-	-	-
A10.4.3. Troubleshoot System		*							-	-	-	-
A10.4.4. Remove/Install Components												
A10.4.4.1. Fuel Vent Valve Hydraulic Override Solenoid Valve									-	-	-	-
A10.4.4.2. Wing Vent Test Solenoid Valve									-	-	-	-
A10.4.4.3. Wing Vent Box Pressure Transducer									-	-	-	-
A10.4.4.4. Fuel Vent Float Valve									-	-	-	-
A10.4.4.5. Fuel Transfer/Dump PumpHousing									-	-	-	-
A10.4.4.6. Fuel Transfer/Dump Pump									-	-	-	-
A10.4.4.7. Fuel Center Separation Valve									-	-	-	-
A10.4.4.8. Fuel Center Separation Valve Actuator									-	-	-	-
A10.4.4.9. Drain Leak Sense Valve									-	-	-	-
A10.4.4.10. Sump Drain Valve									-	-	-	-
A10.4.5. Repair Sump Drain Valve									-	-	-	-
A10.4.6. Inspect Components									-	-	-	-
A10.5. FUEL DISTRIBUTION TR: TO 1C-17A-2-28JG-20-1, 1C-17A-2-28JG-20-2, 1C-17A-2-28JG-20-3, 1C-17A-2-28JG-20-4												
A10.5.1. System Operation									-	-	-	-
A10.5.2. Perform Operational Check												
A10.5.2.1. Ground Refueling Control Panel	*								-	-	-	-
A10.5.2.2. Ground Refuel Isolation Valve	*								-	-	-	-
A10.5.2.3. Engine Start Fuel System Control Panel	*								-	-	-	-
A10.5.2.4. Fuel Boost Pump	*								-	-	-	-
A10.5.2.5. Crossfeed Valve and Actuator	*								-	-	-	-
A10.5.2.6. APU Fuel Fire Shutoff Valve	*								-	-	-	-
A10.5.2.7. Ground Refuel Manifold Solenoid Drain Valve	*								-	-	-	-
A10.5.2.8. Ground Refuel Isolation Valve Actuator	*								-	-	-	-
A10.5.2.9. Fuel Fill Shutoff Valve	*								-	-	-	-

## C-17 Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)				
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level	
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course	
A10.5.2.10. Fuel Fill Shutoff Valve Controller	*								-	-	-	-
A10.5.2.11. Pilot Fuel Fill Shutoff Float Valve	*								-	-	-	-
A10.5.2.12. Precheck Solenoid Valve	*								-	-	-	-
A10.5.2.13. Ground Refuel Adapter	*								-	-	-	-
A10.5.2.14. APU Fuel Feed Low Press Switch	*								-	-	-	-
A10.5.2.15. Ground Refuel Manifold Drain Pump	*								-	-	-	-
A10.5.2.16. Ground Refuel Manifold Low Press Switch	*								-	-	-	-
A10.5.3. Troubleshoot System		*							-	-	-	-
A10.5.4. Remove/Install Components												
A10.5.4.1. Ground Refueling Control Panel									-	-	-	-
A10.5.4.2. Ground Refuel Isolation Valve Actuator									-	-	-	-
A10.5.4.3. Ground Refuel Isolation Valve									-	-	-	-
A10.5.4.4. Fuel Fill Shutoff Valve									-	-	-	-
A10.5.4.5. Fuel Fill Shutoff Valve Controller									-	-	-	-
A10.5.4.6. Pilot Fuel Fill Shutoff Float Valve									-	-	-	-
A10.5.4.7. Precheck Solenoid Valve									-	-	-	-
A10.5.4.8. Ground Refuel Adapter									-	-	-	-
A10.5.4.9. Fuel Boost Pump Housing									-	-	-	-
A10.5.4.10. Fuel Boost Pump									-	-	-	-
A10.5.4.11. Crossfeed Valve Actuator									-	-	-	-
A10.5.4.12. Crossfeed Valve									-	-	-	-
A10.5.4.13. APU Fuel Fire Shutoff Valve									-	-	-	-
A10.5.4.14. APU Fuel Feed Low Press Switch									-	-	-	-
A10.5.4.15. Ground Refuel Manifold Solenoid Drain Valve									-	-	-	-
A10.5.4.16. Ground Refuel Manifold Drain Pump									-	-	-	-
A10.5.4.17. Ground Refuel Manifold Low Press Switch									-	-	-	-
A10.5.5. Inspect Components									-	-	-	-
A10.6. FUEL DUMP TR: TO 1C-17A-2-28JG-30-1												
A10.6.1. System Operation									-	-	-	-
A10.6.2. Perform Operational Check												
A10.6.2.1. Tank Dump Float Liquid Level Switch	*								-	-	-	-

## C-17 Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A10.6.2.2. Fuel Jettison Butterfly Valve	*							-	-	-	-
A10.6.2.3. Fuel Dump Valve Actuator	*							-	-	-	-
A10.6.3. Troubleshoot System		*						-	-	-	-
A10.6.4. Remove/Install Components											
A10.6.4.1. Fuel Jettison Check Valve								-	-	-	-
A10.6.4.2. Tank Dump Float Liquid Level Switch								-	-	-	-
A10.6.4.3. Fuel Dump Valve Actuator								-	-	-	-
A10.6.4.4. Fuel Jettison Butterfly Valve								-	-	-	-
A10.6.5. Inspect Components								-	-	-	-
A10.7. FUEL QUANTITY INDICATING SYSTEM TR: TO 1C-17A-2-28JG-40-1											
A10.7.1. System Operation								-	-	-	-
A10.7.2. Remove/Install Components											
A10.7.2.1. Tank Densitometer								-	-	-	-
A10.7.2.2. Liquid Quantity Gauge Compensator								-	-	-	-
A10.7.2.3. Liquid Quantity Transmitter								-	-	-	-
A10.7.3. Inspect Components								-	-	-	-
A10.8. AUTO TRANSFER SYSTEM											
A10.8.1. System Operation								-	-	-	-
A10.8.2. Perform Operational Check on Fuel Level Sensing Float Switch	*							-	-	-	-
A10.8.3. Troubleshoot System		*						-	-	-	-
A10.8.4. Remove/Install Fuel Level Sensing Float Switch								-	-	-	-
A10.8.4.1. Fuel Level Sensing								-	-	-	-
A10.8.4.2. Float Switch								-	-	-	-
A10.8.5. Inspect Components								-	-	-	-
A10.9. FUEL UNIVERSAL AIR REFUELING RECEIVER SYSTEM INSTALLATION TR: TO 1C-17A-2-28JG-50-1, 1C-17A-2-28JG-50-2, 1C-17A-2-28-JG-50-3											
A10.9.1. System Operation								-	-	-	-
A10.9.2. Perform Operational Check											
A10.9.2.1. Universal Aerial Refueling Receptacle Slipway Installation								-	-	-	-
A10.9.2.2. Manifold Drain Pump								-	-	-	-

## C-17 Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A10.9.2.3. Isolation Valve								-	-	-	-
A10.9.2.4. Manifold Drain Valve								-	-	-	-
A10.9.5. Door Actuating And Indicating System								-	-	-	-
A10.9.6. Troubleshoot System								-	-	-	-
A10.9.7. Remove/Install Components											
A10.9.7.1. Universal Receptacle Slipway Installation								-	-	-	-
A10.9.7.2. Manifold Drain Pump								-	-	-	-
A10.9.7.3. Isolation Valve and Actuator								-	-	-	-
A10.9.7.4. Manifold Drain Valve								-	-	-	-
A10.9.7.5. Slipway Door								-	-	-	-
A10.9.7.6. Induction Coil								-	-	-	-
A10.9.7.7. Manual Drain Valve								-	-	-	-
A10.9.7.8. Manifold Check Valve								-	-	-	-
A10.9.7.9. Door Control Handle								-	-	-	-
A10.9.7.10. Leak Sense Drain Valve								-	-	-	-
A10.9.7.11. Leak Sense Drain Can Assembly								-	-	-	-
A10.9.8. Inspect System Components								-	-	-	-
A10.10. FUEL TANK ENTRY											
A10.10.1. Prepare Aircraft for Fuel System Maintenance								-	-	-	-
A10.10.2. Remove and Install Fuel Tank Access Panels	*							-	-	-	-
A10.10.3. Remove and Install Fuel Tank Internal Braces								-	-	-	-
A10.11. INTEGRAL FUEL TANK MAINTENANCE											
A10.11.1. Integral Tank Construction								-	-	-	-
A10.11.2. Tank and Access Door/Panel Sealing Methods								-	-	-	-
A10.11.3. Perform Leak Path Analysis	*							-	-	-	-
A10.11.4. Perform Positive Pressure Test of Integral Tanks								-	-	-	-
A10.11.5. Perform Negative Pressure Test of Integral Tanks								-	-	-	-
A10.12. EXTENDED RANGE TANK											
A10.12.1. Submerged Fuel Transfer Pump											
A10.12.1.1. Operational Checkout TR: TOs 1C-17A-2-28JG-10-4 and 28-13-16								-	-	-	-

## C-17 Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A10.12.1.2. Removal/Installation TR: TOs 1C-17A-2-28JG-10-4 and 28-13-16								-	-	-	-
A10.12.1.3. Troubleshooting TR: TO 1C-17A-2-28FI-00-1								-	-	-	-
A10.12.2. Fuel Transfer Ejector TR: TO 1C-17A-2-28FI-00-1											
A10.12.2.1. Operational Checkout								-	-	-	-
A10.12.2.2. Removal/Installation								-	-	-	-
A10.12.3. Secondary Barrier TR: TOs 1C-17A-2-28JG-10-1 and 28-11-10											
A10.12.3.1. Removal/Installation								-	-	-	-
A10.12.3.2. Leak Check Inspection								-	-	-	-
A10.12.3.3. Fuel and Gas Vapor Inspection								-	-	-	-
A10.12.3.4. Secondary Barrier Forward/Aft Check Valve Repair								-	-	-	-
A10.12.3.5. Test Equipment											
A10.12.3.5.1. Perform Operational Checkout											
A10.12.3.5.1.1. Adapter and Vacuum Purging Test Set TR: TOs 1C-17A-2-28JG-10-1 and 33D2-3-129-1								-	-	-	-
A10.12.3.5.1.2. Seal Pressure Test Set TR: TOs 1C-17A-2-28JG-10-1 and 33D2-3-128-1								-	-	-	-
A10.12.3.6. Trailer, Secondary Barrier TR: TOs 1C-17A-2-28JG-10-1 and 35D5-5-9-1											
A10.12.3.6.1. Use/Operation								-	-	-	-
A10.12.4. Test Set, Leak Detection, Gas and Vapor TR: TO 1C-17A-2-28JG-10-1 Manufacturer's Instructions								-	-	-	-
A10.12.5. Kit, Test Adapter Fuel Quantity TR: TO 1C-17A-2-28JG-40-1								-	-	-	-

## C-130 Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)			
			A	B	C	D	E	A 3 Skill Level	B CDC	C 7 Skill Level	
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
NOTE: This STS is mandatory if trainee is required to maintain the C-130 aircraft.											
A11. C-130											
A11.1. C-130 AIRCRAFT GENERAL TR: TO 1C-130X-2-5 and 1C-130X Series Job Guides											
A11.1.1. Apply/Remove Ground Power								-	-	-	-
A11.1.2. Remove/Inspect/Install Fuel System Tubing and Couplings								-	-	-	-
A11.1.3. Perform Inspections (HSC/ISO/Phase)								-	-	-	-
A11.2. FUEL DISTRIBUTION SYSTEM TR: TO 1C-130X-2-5, 1C-130X Series Job Guides											
A11.2.1. System Operation								-	-	-	-
A11.2.2. Perform Operational Check											
A11.2.2.1. Fuel Boost Pumps	*							-	-	-	-
A11.2.2.2. Crossfeed Valve(s)	*							-	-	-	-
A11.2.2.3. Fire Wall Shut Off Valve(s)	*							-	-	-	-
A11.2.2.4. Crossfeed Primer Valve	*							-	-	-	-
A11.2.2.5. External/Auxiliary Bypass Valve(s)	*							-	-	-	-
A11.2.2.6. Center Separation Valve	*							-	-	-	-
A11.2.2.7. External/Auxiliary Pressure Switch(s)	*							-	-	-	-
A11.2.2.8. APU/GTC Valve	*							-	-	-	-
A11.2.2.9. Fuel Level Control Valve	*							-	-	-	-
A11.2.2.10. Ground Transfer Valve	*							-	-	-	-
A11.2.2.11. Pressure Relief Valve	*							-	-	-	-
A11.2.3. Troubleshoot System		*						-	-	-	-
A11.2.4. Remove and Install Components											
A11.2.4.1. Horse Collar Hose(s)								-	-	-	-
A11.2.4.2. Boost Pump(s)								-	-	-	-
A11.2.4.3. Crossfeed Valve(s)								-	-	-	-
A11.2.4.4. Firewall Shutoff Valve(s)								-	-	-	-
A11.2.4.5. Crossfeed Primer Valve								-	-	-	-
A11.2.4.6. External/Auxiliary Bypass Valve(s)								-	-	-	-
A11.2.4.7. Center Separation Valve								-	-	-	-
A11.2.4.8. External/Auxiliary Pressure Switch(s)								-	-	-	-
A11.2.4.9. APU/GTC Valve								-	-	-	-

## C-130 Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A11.2.4.10. Fuel Level Control Valve								-	-	-	-
A11.2.4.11. Water Removal Screen(s) TR: TO 1C-130A-6								-	-	-	-
A11.2.4.12. Water Removal System Ejector Pumps								-	-	-	-
A11.2.4.13. Ground Transfer Valve								-	-	-	-
A11.2.4.14. Pressure Relief Valve								-	-	-	-
A11.2.5. Inspect Components		*						-	-	-	-
A11.3. GROUND REFUELING SYSTEM TR: TO 1C-130X-2-5, 1C-130X Series Job Guides											
A11.3.1. System Operation								-	-	-	-
A11.3.2. Perform Operational Check											
A11.3.2.1. SPR Pump	*							-	-	-	-
A11.3.2.2. Refuel Ground Transfer Valve	*							-	-	-	-
A11.3.2.3. Off Load Valve	*							-	-	-	-
A11.3.2.4. SPR Cock Drain Valve	*							-	-	-	-
A11.3.3. Troubleshoot System		*						-	-	-	-
A11.3.4. Remove and Install Components											
A11.3.4.1. SPR Shutoff Valve								-	-	-	-
A11.3.4.2. SPR Pump								-	-	-	-
A11.3.4.3. Refuel Ground Transfer Valve								-	-	-	-
A11.3.4.4. Off Load Valve								-	-	-	-
A11.3.4.5. SPR Cock Drain Valve								-	-	-	-
A11.3.4.6. SPR Adapter Assembly								-	-	-	-
A11.3.4.7. SPR Surge Suppressor								-	-	-	-
A11.3.4.8. SPR Vent Check Valve (s)								-	-	-	-
A11.3.5. Inspect Components		*						-	-	-	-
A11.4. FUEL JETTISON/DUMP SYSTEM TR: TO 1C-130X-2-5, 1C-130X Series Job Guides											
A11.4.1. System Operation								-	-	-	-
A11.4.2. Perform Operational Check											
A11.4.2.1. Dump Pump	*							-	-	-	-
A11.4.2.2. Jettison Valve(s)	*							-	-	-	-
A11.4.2.3. Dump Shutoff (X) Valve(s)	*							-	-	-	-
A11.4.3. Troubleshoot System		*						-	-	-	-
A11.4.4. Remove and Install Components											

## C-130 Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC	7	C Skill Level
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A11.4.4.1. Dump Pump								-	-	-	-
A11.4.4.2. Jettison Valve(s)								-	-	-	-
A11.4.4.3. Dump Shutoff (X) Valve(s)								-	-	-	-
A11.4.5. Inspect Components		*						-	-	-	-
A11.5. VENT SYSTEM TR: TO 1C-130X-2-5, 1C-130X Series Job Guides											
A11.5.1. System Operation								-	-	-	-
A11.5.2. Troubleshoot System		*						-	-	-	-
A11.5.3. Remove and Install Components											
A11.5.3.1. Vent System Plumbing								-	-	-	-
A11.5.3.2. Vent Valves								-	-	-	-
A11.5.3.3. Vent Tank Check Valves								-	-	-	-
A11.5.3.4. Vent Tank								-	-	-	-
A11.5.4. Inspect Components		*						-	-	-	-
A11.6. FUEL INDICATION SYSTEM TR: TO 1C-130X-2-5, 1C-130X Series Job Guides											
A11.6.1. System Operation								-	-	-	-
A11.6.2. Troubleshoot System								-	-	-	-
A11.6.3. Remove and Install Components											
A11.6.3.1. Fuel Wiring Harness								-	-	-	-
A11.6.3.2. Fuel Probe								-	-	-	-
A11.6.3.3. Aux Tank Magnetic Sight Gauge								-	-	-	-
A11.6.4. Inspect Components		*						-	-	-	-
A11.7. FUEL STORAGE SYSTEM TR: TO 1C-130X-2-5, 1C-130X Series Job Guides											
A11.7.1. System Operation								-	-	-	-
A11.7.2. Troubleshoot Auxiliary Fuel Cell(s)											
A11.7.3. Remove and Install Components											
A11.7.3.1. Boost Pump Plate(s)								-	-	-	-
A11.7.3.2. Fuel Manifolds and Common Hardware in Dry Bay Areas								-	-	-	-
A11.7.3.3. External Fuel Tank Nose/Tail Cones (American Electric Tanks)								-	-	-	-
A11.7.3.4. Filler Cap/Adapter(s)								-	-	-	-
A11.7.3.5. Condensation Drain Valve(s)								-	-	-	-
A11.7.4. Inspect Components		*						-	-	-	-

## C-130 Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A11.8. AIR REFUELING SYSTEM TR: 1C-130X-2-5 and 6A6-20-2											
A11.8.1. System Operation								-	-	-	-
A11.8.2. Perform Operational Check								-	-	-	-
A11.8.3. Troubleshoot System								-	-	-	-
A11.8.4. Remove and Install Assembly								-	-	-	-
A11.8.5. Inspect Components								-	-	-	-
A11.9. FUSELAGE TANKS (BENSON TANKS) TR: 6J14-7-9-2											
A11.9.1. System Operation								-	-	-	-
A11.9.2. Perform Operational Check								-	-	-	-
A11.9.3. Troubleshoot System								-	-	-	-
A11.9.4. Remove and Install Components											
A11.9.4.1. Boost Pump								-	-	-	-
A11.9.4.2. Fuel Level Control Valve								-	-	-	-
A11.9.4.3. Fuel Quantity Probes/Harnesses								-	-	-	-
A11.9.4.4. Sump Drains								-	-	-	-
A11.9.4.5. Vent System Components								-	-	-	-
A11.9.5. Inspect Components		*						-	-	-	-
A11.10. REFUELING PODS TR: 6A8-3-1											
A11.10.1. System Operation								-	-	-	-
A11.10.2. Troubleshoot System								-	-	-	-
A11.10.3. Remove and Install Components											
A11.10.3.1. Surge Suppressor								-	-	-	-
A11.10.3.2. Transmitter								-	-	-	-
A11.10.3.3. Fuel Counter								-	-	-	-
A11.10.4. Inspect Components								-	-	-	-

## C-135 Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
NOTE: This STS is mandatory if trainee is required to maintain the C-135 aircraft.											
A12. C-135											
A12.1. C-135 AIRCRAFT GENERAL TR: TO 1C-135-( )(-)2-5-1											
A12.1.1. Perform Inspections (HSC/ISO/Phase)								-	-	-	-
A12.1.2. Apply and Remove External Electrical Power								-	-	-	-
A12.1.3. Remove, Inspect and Install Fuel Tubing and Coupling								-	-	-	-
A12.2. ENGINE FEED/CROSS FEED SYSTEM TR: 1C-135-2-5-( )(-)1											
A12.2.1. System Operation								-	-	-	-
A12.2.3. Perform Operational Check											
A12.2.3.1. Boost/Override Pump	*							-	-	-	-
A12.2.3.2. Firewall Shutoff Valve	*							-	-	-	-
A12.2.3.3. Tank To Engine Manifold Valve	*							-	-	-	-
A12.2.3.4. Pressure Switch	*							-	-	-	-
A12.2.4. Troubleshoot System		*						-	-	-	-
A12.2.5. Remove and Install Components											
A12.2.5.1. Boost/Override Pump(s)								-	-	-	-
A12.2.5.2. Firewall Shutoff Valve								-	-	-	-
A12.2.5.3. Tank To Engine Manifold Valve								-	-	-	-
A12.2.5.4. Pressure Switch								-	-	-	-
A12.2.5.5. Main Tank Dual Check Valve								-	-	-	-
A12.2.5.6. Center Wing Pump Check Valve								-	-	-	-
A12.2.6. Inspect Components								-	-	-	-
A12.3. REFUEL AND DEFUEL SYSTEM TR: TO 1C-135-( )(-)2-5-1, 1C-135-( )(-)2-5GA-1, 1C-135-( )(-)2-5GA-2											
A12.3.1. System Operation								-	-	-	-
A12.3.2. Perform Operational Check											
A12.3.2.1. Fuel Level Control Valve	*							-	-	-	-
A12.3.2.2. #1 Refuel Valve	*							-	-	-	-
A12.3.2.3. #2 Refuel Valve								-	-	-	-
A12.3.2.4. Manual Defuel Valve	*							-	-	-	-
A12.3.3. Troubleshoot system		*						-	-	-	-
A12.3.4. Remove and Install Components											

## C-135 Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A12.3.4.1. Fuel Level Control Valve								-	-	-	-
A12.3.4.2. #1 and #2 Refuel Valve								-	-	-	-
A12.3.4.3. Manual Defuel Valve								-	-	-	-
A12.4.3.4. SPR Receptacle/Adapter								-	-	-	-
A12.3.4.5. Gravity Drain Line Vapor Seal								-	-	-	-
A12.3.4.6. Exterior Fuel Filler Ports								-	-	-	-
A12.3.4.7. Flex Couplings								-	-	-	-
A12.3.5. Inspect Components								-	-	-	-
A12.4. TRANSFER AND DUMP SYSTEM TR: 1C-135-2-5-( )(-)-1											
A12.4.1. System Operation								-	-	-	-
A12.4.2. Perform Operational Check											
A12.4.2.1. Gravity Transfer Valves	*							-	-	-	-
A12.4.2.2. Line Valve	*							-	-	-	-
A12.4.2.3. Dump Valve								-	-	-	-
A12.4.3. Troubleshoot System		*						-	-	-	-
A12.4.4. Remove and Install Components											
A12.4.4.1. Gravity Transfer Valves								-	-	-	-
A12.4.4.2. Dump Valve								-	-	-	-
A12.4.4.3. Line Valve								-	-	-	-
A12.4.4. Inspect Components								-	-	-	-
A12.5. 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, 1C-135-2-5-1											
A12.5.1. System Operation								-	-	-	-
A12.5.2. Perform Operational Check											
A12.5.2.1. Air Refueling Pump/Motor	*							-	-	-	-
A12.5.2.2. Receiver and Scavenge System								-	-	-	-
A12.5.2.3. Receiver Checkout (dry)								-	-	-	-
A12.5.2.4. Receiver Checkout (wet)								-	-	-	-
A12.5.2.5. #7 Valve								-	-	-	-
A12.5.3. Troubleshoot System											
A12.5.3.1. Receiver and Scavenge System								-	-	-	-
A12.5.3.2. Air Refueling Pumps		*						-	-	-	-

## C-135 Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)				
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level	
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course	
A12.5.4. Remove and Install Components												
A12.5.4.1. Line Valves								-	-	-	-	
A12.5.4.2. Fuel Pumps/Motors								-	-	-	-	
A12.5.4.3. Float Switch								-	-	-	-	
A12.5.4.4. Shutoff Valve								-	-	-	-	
A12.5.4.5. #7 Valve								-	-	-	-	
A12.5.5. Inspect Components								-	-	-	-	
A12.6. PRESSURIZATION AND VENT SYSTEM TR: TO 1C-135-( )(-)2-5-1, 1C-135-( )(-)2-5GA-1, 1C- 135-( )(-)2-5JG-5, 1C-135-2-5-1												
A12.6.1. Systems Operation								-	-	-	-	
A12.6.2. Perform Operational Check												
A12.6.2.1. Wing Tank Vent System Leak Test (Positive)	*							-	-	-	-	
A12.6.3. Troubleshoot System		*						-	-	-	-	
A12.6.4. Remove and Install Components												
A12.6.4.1. Float Arm Valve								-	-	-	-	
A12.6.4.2. Float Valve								-	-	-	-	
A12.6.4.3. Bulkhead Fittings								-	-	-	-	
A12.6.4.4. Ram Air Scoop								-	-	-	-	
A12.6.5. Inspect Components								-	-	-	-	
A12.7. FUEL QUANTITY INDICATING SYSTEM TR: 1C-135-2-5GA-1 and 1C-135-( )(-)2-5-1												
A12.7.1. System Operation								-	-	-	-	
A12.7.2. Remove and Install Fuel Probes								-	-	-	-	
A12.7.3. Inspect Components								-	-	-	-	
A12.8. INTEGRAL FUEL TANK MAINTENANCE TR: 1C-135-2-5-2 and 1C-135-( )(-)2-5-2												
A12.8.1. Integral Tank Construction Features								-	-	-	-	
A12.8.2. Tank and Access Door Sealing Methods								-	-	-	-	
A12.8.3. Leak Path Analysis	*							-	-	-	-	
A12.8.4. Perform Injection Repair								-	-	-	-	

## C-135 Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A12.9. 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											
A12.9.1. System Operation								-	-	-	-
A12.9.2. Troubleshoot System								-	-	-	-
A12.9.3. Inspect Components								-	-	-	-
A12.10. BLADDER CELLS TR: 1C-135-2-5-1 and 1C-135-2-5-2											
A12.10.1. Perform Leak Source Isolation								-	-	-	-
A12.10.2. Perform Cabin Pressure Checkout								-	-	-	-
A12.10.3. Identify Cavity Drains								-	-	-	-
A12.10.4. Remove and Install Components											
A12.10.4.1. Body Tank Cells/Upper Deck								-	-	-	-
A12.10.4.2. Center Wing Tank Cells								-	-	-	-
A12.11. 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											
A12.11.1. System Operation								-	-	-	-
A12.11.2. Perform Operational Check of Fuel Pump								-	-	-	-
A12.11.3. Troubleshoot Fuel Pump								-	-	-	-
A12.11.4. Remove/Install Fuel Pump								-	-	-	-
A12.11.5. Inspect Components								-	-	-	-

## C-141B Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)			
	A	B	C	D	E	A 3 Skill Level	B CDC	C 7 Skill Level			
	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course		
NOTE: This STS is mandatory if trainee is required to maintain the C-141 aircraft.											
A13. C-141B											
A13.1. C-141B AIRCRAFT GENERAL TR: Applicable C141B Aircraft TOs (e.g., workcards, checklists, etc)											
A13.1.1. Perform Inspections HSC/ISO/PHASE							-	-	-	-	
A13.1.2. Apply External Electrical Power							-	-	-	-	
A13.1.3. Remove, Install, and Inspect Fuel Tubing and Couplings							-	-	-	-	
A13.1.4. Operate Fuel Management Panel	*						-	-	-	-	
A13.2. ENGINE FEED AND CROSSFEED SYSTEMS TR: TO 1C-141B-2-28FI-00-1-2, 1C-141B-2-28JG-20-1-2											
A13.2.1. System Operation							-	-	-	-	
A13.2.2. Perform Operational Check											
A13.2.2.1. Firewall Shutoff Valves	*						-	-	-	-	
A13.2.2.2. Fuel Boost Pumps	*						-	-	-	-	
A13.2.2.3. Fuel Boost Pump Check Valves	*						-	-	-	-	
A13.2.2.4. Fuel Boost Pump Pressure Switches	*						-	-	-	-	
A13.2.2.5. Fuel Separation Valves	*						-	-	-	-	
A13.2.2.6. Fuel Crossfeed Valves	*						-	-	-	-	
A13.2.2.7. Fuel Level Control Valves	*						-	-	-	-	
A13.2.3. Troubleshoot System		*					-	-	-	-	
A13.2.4. Remove and Install Components											
A13.2.4.1. Firewall Shutoff Valves							-	-	-	-	
A13.2.4.2. Fuel Boost Pumps							-	-	-	-	
A13.2.4.3. Fuel Boost Pump Check Valves							-	-	-	-	
A13.2.4.4. Fuel Boost Pump Scroll Housings							-	-	-	-	
A13.2.4.5. Fuel Boost Pump Pressure Switches							-	-	-	-	
A13.2.4.6. Separation Valves and Actuators							-	-	-	-	
A13.2.4.7. Fuel Crossfeed Valves and Actuators							-	-	-	-	
A13.2.4.8. Fuel Level Control Valves							-	-	-	-	
A13.2.4.9. Engine Feed Lines							-	-	-	-	
A13.2.5. Inspect Components							-	-	-	-	
A13.3. APU FUEL SUPPLY TR: TO 1C-141B-2-28FI-00-1-2, 1C-141B-2-28JG-20-1-2											

## C-141B Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A13.3.1. System Operation								-	-	-	-
A13.3.2. Perform Operational Check of Shutoff Valve	*							-	-	-	-
A13.3.3. Troubleshoot Shutoff Valve		*						-	-	-	-
A13.3.4. Remove/Install Shutoff Valve								-	-	-	-
A13.3.5. Inspect Components								-	-	-	-
A13.4. GROUND REFUELING AND DEFUELING SYSTEMS TR: TO 1C-141B-2-28FI-00-1-1, 1C-141B-2-28JG-20-1-1											
A13.4.1. System Operation								-	-	-	-
A13.4.2. Perform Operational Check											
A13.4.2.1. SPR Drain Pump and Valve	*							-	-	-	-
A13.4.2.2. Ground Isolation Valve	*							-	-	-	-
A13.4.3. Troubleshoot System		*						-	-	-	-
A13.4.4. Remove and Install Components											
A13.4.4.1. SPR Drain Pump and Valve								-	-	-	-
A13.4.4.2. Ground Isolation Valve								-	-	-	-
A13.4.4.3. SPR Drain Adapter and Housing								-	-	-	-
A13.4.4.4. SPR Manual Drain Valve								-	-	-	-
A13.4.4.5. SPR Manual Drain Shutoff Valve								-	-	-	-
A13.4.4.6. SPR Pump								-	-	-	-
A13.4.4.7. Ground Isolation Valve and Actuator								-	-	-	-
A13.4.5. Inspect Components								-	-	-	-
A13.5. AIR REFUELING RECEIVER SYSTEM TR: TO 1C-141B-2-28FI-00-1-1, 1C-141B-2-28JG-20-1-1											
A13.5.1. System Operation								-	-	-	-
A13.5.2. Perform Operational Check											
A13.5.2.1. Air Refueling Isolation Valve								-	-	-	-
A13.5.2.2. Universal Aerial Refueling Receptacle Slipway Installation (UARRSI)								-	-	-	-
A13.5.2.3. Manifold Drain Valve								-	-	-	-
A13.5.3. Troubleshoot System								-	-	-	-
A13.5.4. Remove and Install Components											
A13.5.4.1. Air Refueling Isolation Valve								-	-	-	-

## C-141B Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)				
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level	
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course	
A13.5.4.2. Universal Aerial Refueling Receptacle Slipway Installation (UARRSI)									-	-	-	-
A13.5.4.3. Induction Coil									-	-	-	-
A13.5.4.4. Signal Amplifier									-	-	-	-
A13.5.4.5. Shrouded Fuel Coupling									-	-	-	-
A13.5.4.6. A/R Door Control Cable									-	-	-	-
A13.5.4.7. A/R Manifold Drain Valve									-	-	-	-
A13.5.4.8. A/R Receptacle Poppet And Sleeve									-	-	-	-
A13.5.5. Inspect Components									-	-	-	-
A13.6. MANIFOLD SCAVENGE/DRAIN SYSTEM TR: TO 1C-141B-2-28FI-00-1-1, 1C-141B-2-28JG-20-1-1												
A13.6.1. System Operation									-	-	-	-
A13.6.2. Perform Operational Check												
A13.6.2.1. Manual Drain Shutoff Valve	*								-	-	-	-
A13.6.2.2. Fuel Scavenge Ejectors	*								-	-	-	-
A13.6.3. Troubleshoot System		*							-	-	-	-
A13.6.4. Remove and Install Components												
A13.6.4.1. Manual Drain Shutoff Valve									-	-	-	-
A13.6.4.2. Fuel Scavenge Ejectors									-	-	-	-
A13.6.5. Inspect Components									-	-	-	-
A13.7. FUEL JETTISON SYSTEM TR: TO 1C-141B-2-28JG-20-1-3												
A13.7.1. System Operation									-	-	-	-
A.13.7.2. Perform Operational Check of Fuel Jettison Valve	*								-	-	-	-
A13.7.3. Troubleshoot Fuel Jettison Valve		*							-	-	-	-
A13.7.4. Remove and Install Fuel Jettison Valve									-	-	-	-
A13.7.5. Inspect System Components									-	-	-	-
A13.8. FUEL INDICATING SYSTEM TR: 1C-141B-2-28JG-20-1-1 and 1C-141B-2-28FI-00-1-3												
A13.8.1. System Operation									-	-	-	-
A13.8.2. Remove/Install Components												
A13.8.2.1. Fuel Quantity Tank Units									-	-	-	-
A13.8.2.2. Fuel Quantity Harness									-	-	-	-
A13.8.3. Inspect Components									-	-	-	-

## C-141B Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)			
	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level		
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A13.9. FUEL SYSTEM STORAGE TR: TO 1C-141B-2-28JG-10-1, 1C-141B-2-28JG-10-1											
A13.9.1. System Operation								-	-	-	-
A13.9.2. Remove and Install Condensation Drain Valve								-	-	-	-
A13.9.3. Inspect Condensation Drain Valve								-	-	-	-
A13.10. INTEGRAL FUEL TANK MAINTENANCE TR: 1C-141B-2-28JG-00-1											
A13.11.1. Leak Test Fuel Tank Using Fuel System Test Kit								-	-	-	-

## E-3 Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)			
			A	B	C	D	E	A 3 Skill Level	B CDC	C 7 Skill Level	
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
NOTE: This STS is mandatory if trainee is required to maintain the E-3 aircraft.											
A14. E-3											
A14.1. E-3 AIRCRAFT GENERAL TR: TOs 1E-3A-2-1-1 and 1E-3A-2-28-1											
A14.1.1. Aircraft Safety Precautions								-	-	-	-
A14.1.2. Apply/Remove External Power								-	-	-	-
A14.1.3. Remove, Inspect, and Install Fuel Tubing and Couplings	*							-	-	-	-
A14.2. ENGINE FUEL FEED AND CROSSFEED SYSTEMS TR: TO 1E-3A-2-28-1, Sect V											
A14.2.1. System Operation								-	-	-	-
A14.2.2. Perform Operational Check											
A14.2.2.1. Engine Feed/Crossfeed System	*							-	-	-	-
A14.2.2.2. Liquid Cooling System	*							-	-	-	-
A14.2.2.3. Reserve Tank Transfer System	*							-	-	-	-
A14.2.3. Troubleshoot System											
A14.2.3.1. Engine Feed System		*						-	-	-	-
A14.2.3.2. Liquid Cooling System								-	-	-	-
A14.2.3.3. Reserve Tank Transfer System		*						-	-	-	-
A14.2.4. Remove/Install Components											
A14.2.4.1. Boost Pump								-	-	-	-
A14.2.4.2. Override Pump								-	-	-	-
A14.2.4.3. Engine Fuel Shut-off Valve								-	-	-	-
A14.2.4.4. Engine Crossfeed Valve								-	-	-	-
A14.2.4.5. Dual Check Valve								-	-	-	-
A14.2.4.6. Fuel Low Pressure Switches								-	-	-	-
A14.2.4.7. Liquid Cooling Shut-off Valve								-	-	-	-
A14.2.4.8. Reserve Tank Transfer Valve								-	-	-	-
A14.2.5. Inspect Components								-	-	-	-
A14.3. APU FUEL SYSTEM TR: TOs 1E-34-2-28-1 and 1E-34-2-49											
A14.3.1. System Operation								-	-	-	-
A14.3.2. Remove/Install Components											
A14.3.2.1. Shut off Valve								-	-	-	-
A14.3.2.2. Check Valve								-	-	-	-
A14.3.2.3. Inlet Screen								-	-	-	-

## E-3 Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)			
	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level		
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A14.3.3. Inspect Components								-	-	-	-
A14.4. GROUND REFUEL AND DEFUEL SYSTEM TR: TO 1E-3A-2-28-1, Sect VI											
A14.4.1. System Operation								-	-	-	-
A14.4.2. Perform Operational Check											
A14.4.2.1. Ground Refueling System	*							-	-	-	-
A14.4.2.2. Ground Refuel Precheck System	*							-	-	-	-
A14.4.2.3. Ground Defueling System	*							-	-	-	-
A14.4.3. Troubleshoot System											
A14.3.3.1. Ground Refuel System		*						-	-	-	-
A14.3.3.2. Ground Refuel Precheck System		*						-	-	-	-
A14.3.3.3. Ground Defuel System		*						-	-	-	-
A14.3.3.4. Manifold Coupling Drain System		*						-	-	-	-
A14.3.4. Remove/Install Components											
A14.3.4.1. Single Point Receptacle								-	-	-	-
A14.3.4.2. Main Refueling Valve								-	-	-	-
A14.3.4.3. Fuel Level Control Valve	*							-	-	-	-
A14.3.4.4. Dual Pilot Valve								-	-	-	-
A14.3.4.5. Secondary Float Switch								-	-	-	-
A14.3.4.6. Defuel Valve								-	-	-	-
A14.3.5. Inspect Components								-	-	-	-
A14.4. FUEL JETTISON SYSTEM TR: TO 1E-3A-2-28-1, Sect VII											
A14.4.1. System Operation								-	-	-	-
A14.4.2. Perform Operational Check of Fuel Jettison Valve(s)	*							-	-	-	-
A14.4.3. Troubleshoot System											
A14.4.3.1. Fuel Jettison Chute								-	-	-	-
A14.4.3.2. Fuel Jettison Valve(s)	*							-	-	-	-
A14.4.4. Remove/Install/Inspect Fuel Dump Valve(s)								-	-	-	-
A14.5. FUEL VENT SYSTEM TR: TO 1E-3A-2-28-1, Sect VIII											
A14.5.1. System Operation								-	-	-	-
A14.5.2. Perform Vent System Leak Test	*							-	-	-	-
A14.5.3. Troubleshoot System		*						-	-	-	-
A14.5.4. Remove/Install Components											

## E-3 Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A14.5.4.1. Vent Float Valve								-	-	-	-
A14.5.4.2. Vent End Elbow								-	-	-	-
A14.5.4.3. Ram Air Scoop Panel								-	-	-	-
A14.5.4.4. Surge Tank Drain Check Valve								-	-	-	-
A14.5.5. Inspect Components								-	-	-	-
A14.6. AIR REFUELING (A/R) RECEIVER SYSTEM TR: TOs 1E-3A-2-28-1, Sect IX and 6A6-3-3											
A14.6.1. System Operation								-	-	-	-
A14.6.2. Perform Operational Check											
A14.6.2.1. A/R Receptacle								-	-	-	-
A14.6.2.2. A/R Manifold Scavenge System								-	-	-	-
A14.6.2.3. A/R Signal System								-	-	-	-
A14.6.3. Troubleshoot System											
A14.6.3.1. A/R Receptacle								-	-	-	-
A14.6.3.2. A/R Manifold Scavenge System								-	-	-	-
A14.6.3.3. A/R Signal System								-	-	-	-
A14.6.3.4. A/R Manifold Drain System		*						-	-	-	-
A14.6.4. Remove/Install Components											
A14.6.4.1. Induction Coil								-	-	-	-
A14.6.4.2. Sliding Valve Assembly								-	-	-	-
A14.6.4.3. Pressure Disconnect Switch								-	-	-	-
A14.6.4.4. Manifold Scavenge Check Valve Assembly								-	-	-	-
A14.6.4.5. A/R Receptacle Assembly								-	-	-	-
A14.6.4.6. Signal Amplifier								-	-	-	-
A14.6.5. Inspect Components								-	-	-	-
A14.7. FUEL QUANTITY INDICATING SYSTEM TR: TO 1E-3A-2-28-1, Sect X and 1E-3A-2-28-1-1											
A14.7.1. System Operation								-	-	-	-
A14.7.2. Perform fuel drip stick readings								-	-	-	-
A14.7.3. Remove/Install Components											
A14.7.3.1. Probe and compensator								-	-	-	-
A14.7.3.2. Wire harness								-	-	-	-
A14.7.3.3. Fuel drip stick								-	-	-	-
A14.7.4. Inspect Components								-	-	-	-

## E-3 Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)			
	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level		
	5	7	Trng Start	Trng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A14.8. INTEGRAL WING TANKS TR: TO 1E-3A-2-28-1, Sect X											
A14.8.1. Perform Center Wing Leak Isolation Procedures								-	-	-	-
A14.8.2. Remove/Install Tank Drains								-	-	-	-
A14.9. FUEL CELLS TR: TO 1E-3A-2-28-1, Sect III											
A14.9.1. Perform Cavity Drain System Leak Isolation								-	-	-	-

## E-4 Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)			
			A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
NOTE: This STS is mandatory if trainee is required to maintain the E-4 aircraft.											
A15. E-4											
A15.1. E-4 AIRCRAFT GENERAL TR: TO 1E-4B-2-28-00-00 and 1E4B-2-28-11-00											
A15.1.1. Aircraft Safety Precautions								-	-	-	-
A15.1.2. Apply/Remove External Power								-	-	-	-
A15.1.3. Remove, Inspect, and Install Fuel Tubing and Couplings								-	-	-	-
A15.2. ENGINE FEED/CROSS FEED SYSTEM TR: TO 1E-4B-2-28-22-00											
A15.2.1. System Operation								-	-	-	-
A15.2.2. Perform Operational Check											
A15.2.2.1. Boost Pumps		*						-	-	-	-
A15.2.2.2. Shutoff Valves		*						-	-	-	-
A15.2.3. Troubleshoot System			*					-	-	-	-
A15.2.4. Remove/Install Components											
A15.2.4.1. Boost Pumps								-	-	-	-
A15.2.4.2. Shutoff Valves								-	-	-	-
A15.2.4.3. Shutoff Valve Actuators								-	-	-	-
A15.2.5. Inspect Components								-	-	-	-
A15.3. REFUEL AND DEFUEL SYSTEM TR: TO 1E-4B-2-28-21-00 and 1E-4B-2-28-26-00											
A15.3.1. System Operation								-	-	-	-
A15.3.2. Perform Operational Check											
A15.3.2.1. Fuel Control Valves		*						-	-	-	-
A15.3.2.2. Manifold Valves		*						-	-	-	-
A15.3.3. Troubleshoot System			*					-	-	-	-
A15.3.4. Remove/Install Components											
A15.3.4.1. Fuel Control Valves								-	-	-	-
A15.3.4.2. Manifold Valves								-	-	-	-
A15.3.5. Inspect Components								-	-	-	-
A15.4. TRANSFER SYSTEM TR: TO 1E-4B-2-28-16-00											
A15.4.1. System Operation								-	-	-	-
A15.4.2. Perform Operational Check											
A15.4.2.1. Transfer Valves		*						-	-	-	-

## E-4 Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A15.4.2.2. Operate Pumps	*							-	-	-	-
A15.4.3. Troubleshoot System		*						-	-	-	-
A15.4.4. Remove/Install Components											
A15.4.4.1. Transfer Valves								-	-	-	-
A15.4.4.2. Transfer Valve Actuators								-	-	-	-
A15.4.4.3. Pumps								-	-	-	-
A15.4.5. Inspect Components								-	-	-	-
A15.5. AIR REFUELING RECEIVER SYSTEM TR: TO 1E-4B-2-28-23-00											
A15.5.1. System Operation								-	-	-	-
A15.5.2. Remove/Install Overboard Manifold Drain Couplings								-	-	-	-
A15.5.3. Inspect Components								-	-	-	-
A15.6. PRESSURIZATION AND VENT SYSTEM TR: TO 1E-4B-2-28-13-00											
A15.6.1. System Operation								-	-	-	-
A15.6.2. Perform Operational Check	*							-	-	-	-
A15.6.3. Troubleshoot System		*						-	-	-	-
A15.6.4. Remove/Install Components											
A15.6.4.1. Float Valve								-	-	-	-
A15.6.4.2. Vent Valve								-	-	-	-
A15.6.4.3. Surge Tank Check Valve								-	-	-	-
A15.6.5. Inspect Components								-	-	-	-
A15.7. JETTISON SYSTEM TR: TO 1E-4B-2-28-31-00											
A15.7.1. System Operation								-	-	-	-
A15.7.2. Perform Operational Check	*							-	-	-	-
A15.7.3. Troubleshoot System		*						-	-	-	-
A15.7.4. Remove/Install Components											
A15.7.4.1. Actuators								-	-	-	-
A15.7.4.2. Valves								-	-	-	-
A15.7.4.3. Pumps								-	-	-	-
A15.7.5. Inspect Components								-	-	-	-
A15.8. APU FUEL SYSTEM TR: TO 1E-4B-2-28-25-00 and 1E-4B-2-49											
A15.8.1. System Operation								-	-	-	-

## E-4 Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)			
	A	B	C	D	E	A 3 Skill Level	B CDC	C 7 Skill Level			
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A15.8.2. Perform Operational Check								-	-	-	-
A15.8.3. Troubleshoot System								-	-	-	-
A15.8.4. Remove/Install Components											
A15.8.4.1. Pump								-	-	-	-
A15.8.4.2. Housing								-	-	-	-
A15.8.4.3. Shrouds								-	-	-	-
A15.8.4.4. Lighting Arrestor								-	-	-	-
A15.8.5. Inspect Components								-	-	-	-
A15.9. SCAVENGE SYSTEM TR: TO 1E-4B-2-28-15-00											
A15.9.1. System Operation								-	-	-	-
A15.9.2. Perform Operational Check											
A15.9.2.1. Center Wing Tank Scavenge System	*							-	-	-	-
A15.9.2.2. ARR Manifold Scavenge System	*							-	-	-	-
A15.9.3. Troubleshoot System											
A15.9.3.1. Center Wing Tank Scavenge System		*						-	-	-	-
A15.9.3.2. ARR Manifold Scavenge System		*						-	-	-	-
A15.9.4. Remove/Install Components											
A15.9.4.1. Actuators								-	-	-	-
A15.9.4.2. Valves								-	-	-	-
A15.9.4.3. Pumps								-	-	-	-
A15.9.5. Inspect Components								-	-	-	-
A15.10. FUEL QUANTITY INDICATING SYSTEM TR: TO 1E-4B-2-28-41-00											
A15.10.1. Remove/Install Components											
A15.10.1.1. Probes								-	-	-	-
A15.10.1.2. Wire Harnesses								-	-	-	-
A15.10.3. Inspect Components								-	-	-	-
A15.11. INTEGRAL WING TANKS TR: TO 1E-4B-2-28-11-00											
A15.11.1. Perform Injection Repair of Wing Tanks								-	-	-	-
A15.11.2. Remove/Install Tank Drains								-	-	-	-



## C-18/E-8C Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)			
			A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
NOTE: This STS is mandatory if trainee is required to maintain the C-18 or E-8C aircraft.											
A16.	C-18 and E-8C										
A16.1.	C-18 and E-8C AIRCRAFT GENERAL TR: TO 1E-8C-2-28GS-00-1 and 1C-18 (E) B-2-28GS-00-1										
A16.1.1.	Aircraft Safety Precautions							-	-	-	-
A16.1.2.	Apply and Remove External Power							-	-	-	-
A16.1.3.	Remove, Inspect, and Install Fuel Tubing and Couplings							-	-	-	-
A16.2.	FUEL DISTRIBUTION SYSTEM TR: TOs 1E-8C-2-28GS-11-0 and 1C-18 (E) B-2-28GS-11-0										
A16.2.1.	System Operation							-	-	-	-
A16.2.2.	Perform Operational Check										
A16.2.2.1.	Engine Feed		*					-	-	-	-
A16.2.2.2.	Fuel Transfer		*					-	-	-	-
A16.2.2.3.	Refuel/Defuel		*					-	-	-	-
A16.2.2.4.	Air Refueling System							-	-	-	-
A16.2.3.	Troubleshoot System										
A16.2.3.1.	Engine Feed			*				-	-	-	-
A16.2.3.2.	Fuel Transfer			*				-	-	-	-
A16.2.3.3.	Refuel/Defuel			*				-	-	-	-
A16.2.3.4.	Air Refueling System							-	-	-	-
A16.2.4.	Remove and Install										
A16.2.4.1.	Dual Check Valve							-	-	-	-
A16.2.4.2.	Dual Shuttle Valve							-	-	-	-
A16.2.4.3.	Override Pump Check Valve							-	-	-	-
A16.2.4.4.	Single Point Refuel Receptacle							-	-	-	-
A16.2.4.5.	Engine Fuel Shutoff Valves							-	-	-	-
A16.2.4.6.	Boost Pumps							-	-	-	-
A16.2.4.7.	Boost Pump Removal Valve							-	-	-	-
A16.2.4.8.	Boost Override Pumps							-	-	-	-
A16.2.4.9.	Boost Override Pump Removal Valve							-	-	-	-
A16.2.4.10.	Low Pressure Warning Switch							-	-	-	-
A16.2.4.11.	Engine Fuel Manifold Valves							-	-	-	-
A16.2.4.12.	Reserve Tank Transfer Valves							-	-	-	-
A16.2.4.13.	Dual Pilot Valves							-	-	-	-

## C-18/E-8C Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A16.2.4.14. Main Refueling Valve								-	-	-	-
A16.2.4.15. Secondary Float Switch								-	-	-	-
A16.2.4.16. Fuel Level Control Valves								-	-	-	-
A16.2.4.17. Manual Defuel Valve								-	-	-	-
A16.2.4.18. Defueling Valve								-	-	-	-
A16.2.4.19. Universal Aerial Refueling Receptacle								-	-	-	-
A16.2.4.20. Universal Aerial Refueling Main Sleeve								-	-	-	-
A16.2.4.21. Universal Aerial Refueling Fuel Manifold								-	-	-	-
A16.2.4.22. Universal Aerial Refueling Signal Amplifier								-	-	-	-
A16.2.5. Inspect Components								-	-	-	-
A16.3. FUEL DUMP SYSTEM TR: TO 1E-8C-2-28GS-001 and 1C-18 (E) B-2-28GS-22-0											
A16.3.1. System Operation								-	-	-	-
A16.3.2. Perform Operational Check	*							-	-	-	-
A16.3.3. Troubleshoot System		*						-	-	-	-
A16.3.4. Remove and Install Components								-	-	-	-
A16.3.4.1. Dump Valves								-	-	-	-
A16.3.4.2. Dump Chute								-	-	-	-
A16.3.4.3. Dump Chute Closure Panel								-	-	-	-
A16.3.4.4. Dump Chute Actuator								-	-	-	-
A16.3.5. Inspect Components								-	-	-	-
A16.4. FUEL QUANTITY INDICATING SYSTEM TR: TOs 1E-8C-2-28JG-40-1 and 1C-18(E) B-2-28JG-8-0											
A16.4.1. System Operation								-	-	-	-
A16.4.2. Remove and Install Components											
A16.4.2.1. Tank Units								-	-	-	-
A16.4.2.2. Wire Harness								-	-	-	-
A16.4.3. Inspect Components								-	-	-	-
A16.5. TANK STORAGE TR: TOs 1E-8C-2-28GS-00-1 and 1C-18 (E) B-2-28GS-2-0											
A16.5.1. System Operation								-	-	-	-
A16.5.2. Perform Injection Repair of Wing Tanks								-	-	-	-

## C-18/E-8C Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A16.5.3. Remove and Install											
A16.5.3.1. Drip Sticks								-	-	-	-
A16.5.3.2. Overwing Filler Ports								-	-	-	-
A16.5.4. Cells											
A16.5.4.1. Identify Cell Cavity Drains								-	-	-	-
A16.5.4.2. Perform Leak Isolation								-	-	-	-
A16.5.5. Vent System											
A16.5.5.1. System Operation								-	-	-	-
A16.5.5.2. Troubleshoot System		*						-	-	-	-
A16.5.5.3. Remove and Install											
A16.5.5.3.1. Vent Float								-	-	-	-
A16.5.5.3.2. Vent Scoop								-	-	-	-
A16.5.5.3.3. Vent Surge Tank Check Valve								-	-	-	-
A16.5.6. Inspect Components								-	-	-	-



## F-15 Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
NOTE: This STS is mandatory if trainee is required to maintain the F-15 aircraft.											
A17. F-15											
A17.1. F-15 AIRCRAFT GENERAL TR: TO 1F-15-( )-2-28 GS, 1F-15-( )-05JG-00-1, 1F 15-( )-2-28 JG series											
A17.1.1. F-15 Safety Precautions								-	-	-	-
A17.1.2. F-15 Safe for Maintenance	*							-	-	-	-
A17.1.3. Apply/Remove External Power								-	-	-	-
A17.1.4. Remove, Inspect, and Install Fuel Tubing and Couplings								-	-	-	-
A17.2. ENGINE FUEL SUPPLY DISTRIBUTION SYSTEMS TR: TO 1F-15-( )-2-28GS-00-1 and 1F-15-( )-2-28JG for Task											
A17.2.1. System Operation								-	-	-	-
A17.2.2. Perform Operational Checks	*							-	-	-	-
A17.2.3. Troubleshoot System		*						-	-	-	-
A17.2.4. Remove/Install Components											
A17.2.4.1. Fuel Oil Heat Exchangers								-	-	-	-
A17.2.4.2. Engine to Airframe Manifolds								-	-	-	-
A17.2.4.3. Fuel Flow Transmitters								-	-	-	-
A17.2.4.4. Externally Mounted Boost Pumps/Pressure Switches								-	-	-	-
A17.2.4.5. Emergency Boost Pump/Switches								-	-	-	-
A17.2.4.6. Engine Fuel Shutoff Valves/Switches								-	-	-	-
A17.2.4.7. Crossfeed Valve								-	-	-	-
A17.2.5. Rebuild Engine to Airframe Manifolds	*							-	-	-	-
A17.2.6. Inspect Components								-	-	-	-
A17.3. FUEL TEMPERATURE AND PRESSURE INDICATING SYSTEM TR: Applicable Aircraft TOs, TO 1F-15-( )-2-28GS-00-1 and 1F-15-2-28JG											
A17.3.1. System Operation								-	-	-	-
A17.3.2. Perform Operational Check	*							-	-	-	-
A17.3.3. Troubleshoot System		*						-	-	-	-
A17.3.4. Remove/Install Components											
A17.3.4.1. Hot Fuel Recirculation Valves								-	-	-	-

## F-15 Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)			
	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level		
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A17.3.4.2. Temperature Switches								-	-	-	-
A17.3.4.3. Fuel Oil Heat Exchanger (FOHE) Thermal Elements								-	-	-	-
A17.3.5. Inspect Components								-	-	-	-
A17.4. FUEL DUMP SYSTEM TR: TO 1F-15-( )-2-28GS-00-1 and 1F-15-( )-2-28JG											
A17.4.1. System Operation								-	-	-	-
A17.4.2. Perform Operational Checks	*							-	-	-	-
A17.4.3. Troubleshoot System		*						-	-	-	-
A17.4.4. Remove/Install Components											
A17.4.4.1. Dump Valve/Actuator								-	-	-	-
A17.4.4.2. Flame Arrestors								-	-	-	-
A17.4.5. Inspect Components								-	-	-	-
A17.5. INTERNAL TRANSFER DISTRIBUTION SYSTEM TR: TO 1F-15-( )-2-28GS-00-1 and appropriate 1F-15-( )-2-28JG for Task											
A17.5.1. System Operation								-	-	-	-
A17.5.2. Perform Operational Checks	*							-	-	-	-
A17.5.3. Troubleshoot System		*						-	-	-	-
A17.5.4. Remove/Install Components											
A17.5.4.1. Fuel Ejector Pumps								-	-	-	-
A17.5.4.2. Wing Transfer Pumps								-	-	-	-
A17.5.4.3. #1 Transfer Pump								-	-	-	-
A17.5.4.4. Gravity Transfer Interconnect Valves								-	-	-	-
A17.5.4.5. Pylon To Aircraft Fuel Disconnect								-	-	-	-
A17.5.5. Inspect Components								-	-	-	-
A17.6. GROUND REFUELING AND DEFUELING SYSTEMS TR: TO 1F-15-( )-2-28GS-00-1 and 1F-15-( )-2-28JG											
A17.6.1. System Operation								-	-	-	-
A17.6.2. Perform Operational Checks											
A17.6.2.1. With Refuel Trucks	*							-	-	-	-
A17.6.2.2. With Transfer Hose	*							-	-	-	-
A17.6.2.3. Over Pressurization Protection Shutoff Valve	*							-	-	-	-
A17.6.3. Troubleshoot System		*						-	-	-	-

## F-15 Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)				
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level	
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course	
A17.6.4. Remove/Install Components												
A17.6.4.1. Fuel Pressure Relief Valves								-	-	-	-	
A17.6.4.2. Recovery Drain Valves								-	-	-	-	
A17.6.4.3. Ground Refuel/Defuel Receptacles								-	-	-	-	
A17.6.4.4. Refuel/Transfer Level Control Pilot Valves								-	-	-	-	
A17.6.4.5. Refuel/Transfer Shutoff Valves								-	-	-	-	
A17.6.5. Inspect Components								-	-	-	-	
A17.7. AIR REFUELING RECEIVER SYSTEM TR: TO 1F-15-( )-2-28GS-00-1 and 1F-15-( )-2-28JG												
A17.7.1. System Operation								-	-	-	-	
A17.7.2. Perform Operational Checks	*							-	-	-	-	
A17.7.3. Troubleshoot System								-	-	-	-	
A17.7.4. Remove/Install Components												
A17.7.4.1. A/R Receptacle								-	-	-	-	
A17.7.4.2. A/R Check Valve Assembly								-	-	-	-	
A17.7.4.3. FWD and AFT Slipway Doors								-	-	-	-	
A17.7.4.4. A/R Pressure Switch								-	-	-	-	
A17.7.5. Inspect Components								-	-	-	-	
A17.8. PRESSURIZATION AND VENT DISTRIBUTION SYTEM TR: TO 1F-15-( )-2-28GS-00-1 and 1F-15-( )-2-28JG												
A17.8.1. System Operation								-	-	-	-	
A17.8.2. Perform Operational Check												
A17.8.2.1. During Engine Run	*							-	-	-	-	
A17.8.2.2. Ground Air Source	*							-	-	-	-	
A17.8.3. Troubleshoot System		*						-	-	-	-	
A17.8.4. Remove/Install Components												
A17.8.4.1. Dive Vent Check Valves								-	-	-	-	
A17.8.4.2. Air Pressure Regulator								-	-	-	-	
A17.8.4.3. Fuel Pressurization Shutoff Valves								-	-	-	-	
A17.8.4.4. Pressure Relief and Vent Valves								-	-	-	-	
A17.8.4.5. Ram Air Inlet Control Valve								-	-	-	-	
A17.8.4.6. Pylon to Aircraft Air Disconnect								-	-	-	-	
A17.8.4.7. Hot Air Check Valves								-	-	-	-	

## F-15 Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A17.8.5. Inspect Components								-	-	-	-
A17.9. FUEL QUANTITY INDICATING SYSTEM TR: TO 1F-15-( )-2-28GS-00-1 and 1F-15-( )-2-28JG											
A17.9.1. System Operation								-	-	-	-
A17.9.2. Remove/Install Fuel Quantity Units								-	-	-	-
A17.9.3. Inspect Components								-	-	-	-
A17.10. EXTERNAL FUEL TANK MAINTENANCE TR: TO 6J14-2-38-1 and 6J14-2-38-1-1											
A17.10.1. Perform Certification Checks								-	-	-	-
A17.10.2. Troubleshoot								-	-	-	-
A17.10.3. Remove and Install Components								-	-	-	-
A17.10.4. Pressure Check External Tanks								-	-	-	-
A17.10.5. Denest External Fuel Tank Canisters								-	-	-	-
A17.10.6. Perform External Fuel Tank Build-up Procedures								-	-	-	-
A17.10.7. Inspect Tank and Components								-	-	-	-
A17.11. F-15 PYLON MAINTENANCE TR: TO 16W6-25-3											
A17.11.1. System Operation								-	-	-	-
A17.11.2. Perform Leak Test								-	-	-	-
A17.11.3. Troubleshoot								-	-	-	-
A17.11.4. Remove/Install Components											
A17.11.4.1. Stand Pipes								-	-	-	-
A17.11.4.2. Air Pressure Regulators								-	-	-	-
A17.11.4.3. Pressure and Vent Valves								-	-	-	-
A17.11.4.4. Hot Air Check Valves								-	-	-	-
A17.11.5. Inspect Components								-	-	-	-
A17.12. CONFORMAL FUEL TANK (CFT) TR: TO 1F-15E-28GS-00-1 (28-22-00) and 6J14-5-11-3-1											
A17.12.1. System Operation								-	-	-	-
A17.12.2. Perform Operational Check								-	-	-	-
A17.12.3. Troubleshoot								-	-	-	-
A17.12.4. Remove/Install Components											
A17.12.4.1. Flame Arrestor								-	-	-	-

## F-15 Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A17.12.4.2. Dive Vent Check Valves								-	-	-	-
A17.12.4.3. Pressure Relief and Vent Valve								-	-	-	-
A17.12.4.4. Ram Air Control Valve								-	-	-	-
A17.12.4.5. Fuel Quantity Units								-	-	-	-
A17.12.4.6. Defuel Receptacle								-	-	-	-
A17.12.4.7. Transfer Pumps								-	-	-	-
A17.12.4.8. Ejector Pump								-	-	-	-
A17.12.4.9. Refuel Level Control Valve								-	-	-	-
A17.12.4.10. Float Switch								-	-	-	-
A17.12.4.11. Stand Pipe								-	-	-	-
A17.12.5. Inspect Tank and Components								-	-	-	-
A17.12.6. Operate, Inspect and Repair Conformal Tank Certifier								-	-	-	-
A17.13. FUEL STORAGE SYSTEM TR: TO 1F-15-( )-2-28GS-00-1, 1-1-692 and 1F-15-( )-2-28JG											
A17.13.1. Identify Fuselage Cavity Drains	*							-	-	-	-
A17.13.2. Troubleshoot Fuselage Fuel Leaks		*						-	-	-	-
A17.14. INTEGRAL FUEL TANK MAINTENANCE TR: TO 1-1-3 and 1F-15-( )-3-5											
A17.14.1. Perform Injection Repair of Wing Tanks								-	-	-	-



## F-16 Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
NOTE: This STS is mandatory if trainee is required to maintain the F-16 aircraft.											
A18. F-16											
A18.1. F-16 AIRCRAFT GENERAL TR: TO 1F-16-( )-2-28GS-00-2											
A18.1.1. Safe for Maintenance								-	-	-	-
A18.1.2. Safety Precautions								-	-	-	-
A18.1.3. Apply/Remove External Power								-	-	-	-
A18.1.4. Apply Cooling Air								-	-	-	-
A18.1.5. Remove, Install, and Inspect Fuel Tubing and Couplings								-	-	-	-
A18.2. ENGINE FEED AND CROSSFEED SYSTEMS TR: TO 1F-16-( )-2-28FI-00-1, 1F-16-( )-2-28GS-00-2, 1F-16-( )-2-28JG											
A18.2.1. System Operation								-	-	-	-
A18.2.2. Perform Operational Check											
A18.2.2.1. Advisory Light Panel	*							-	-	-	-
A18.2.2.2. Fuel Flow Proportioner	*							-	-	-	-
A18.2.2.3. Fuel/Oil Heat Exchanger	*							-	-	-	-
A18.2.2.4. Crossfeed Valve	*							-	-	-	-
A18.2.2.5. Fuel Flow Divider	*							-	-	-	-
A18.2.2.6. Boost Pumps	*							-	-	-	-
A18.2.2.7. Boost Pump Pressure Switches	*							-	-	-	-
A18.2.2.8. Main Fuel Shut Off Valve	*							-	-	-	-
A18.2.2.9. Thermal Bypass Valve	*							-	-	-	-
A18.2.3. Troubleshoot System		*						-	-	-	-
A18.2.4. Remove and Install Components											
A18.2.4.1. Fuel Flow Proportioner								-	-	-	-
A18.2.4.2. Fuel/Oil Heat Exchanger								-	-	-	-
A18.2.4.3. Crossfeed Valve								-	-	-	-
A18.2.4.4. Fuel Flow Divider								-	-	-	-
A18.2.4.5. Boost Pumps								-	-	-	-
A18.2.4.6. Boost Pump Pressure Switches								-	-	-	-
A18.2.4.7. Fuel Flow Transmitter								-	-	-	-
A18.2.4.8. Main Fuel Shut-off Valve								-	-	-	-
A18.2.4.9. Fuel Flow Proportioner Hydraulic Motor								-	-	-	-
A18.2.4.10. Thermal Bypass Valve								-	-	-	-

# F-16 Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)			
			A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A18.2.5. Perform IDG/ADG By-Pass Checkout								-	-	-	-
A18.2.6. Inspect Components								-	-	-	-
A18.3. TRANSFER SYSTEM TR: TO 1F-16-( )-2-28FI-00-1, 1F-16-( )-2-28GS-00-2, 1F-16-( )-2-28JG											
A18.3.1. System Operation								-	-	-	-
A18.3.2. Perform Operational Check											
A18.3.2.1. Fuel Ejector Pumps	*							-	-	-	-
A18.3.2.2. Transfer Pumps	*							-	-	-	-
A18.3.2.3. Pressure Switches	*							-	-	-	-
A18.3.2.4. Turbine Pumps	*							-	-	-	-
A18.3.2.5. Forward Transfer Trim	*							-	-	-	-
A18.3.2.6. Air Ejector Pump	*							-	-	-	-
A18.3.3. Troubleshoot System		*						-	-	-	-
A18.3.4. Remove and Install Components											
A18.3.4.1. Fuel Ejector Pump								-	-	-	-
A18.3.4.2. Transfer Pump								-	-	-	-
A18.3.4.3. Pressure Switches								-	-	-	-
A18.3.4.4. Turbine Pumps								-	-	-	-
A18.3.4.5. Forward Transfer Trim Valve								-	-	-	-
A18.3.4.6. Air Ejector Pump								-	-	-	-
A18.3.5. Inspect Components								-	-	-	-
A18.4. GROUND REFUELING/DEFUELING SYSTEMS TR: TO 1F-16-( )-2-28FI-00-1, 1F-16-( )-2-28GS-00-2, 1F-16-( )-2-28JG											
A18.4.1. System Operation								-	-	-	-
A18.4.2. Perform Operational Check											
A18.4.2.1. Shutoff Valves	*							-	-	-	-
A18.4.2.2. Shuttle Valves	*							-	-	-	-
A18.4.2.3. Refuel Float Switch	*							-	-	-	-
A18.4.2.4. Wing Float Valve	*							-	-	-	-
A18.4.2.5. Refueling Spools	*							-	-	-	-
A18.4.3. Troubleshoot System		*						-	-	-	-
A18.4.4. Remove and Install Components											
A18.4.4.1. Shutoff Valves								-	-	-	-

## F-16 Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)			
	A	B	C	D	E	A 3 Skill Level	B CDC	C 7 Skill Level			
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A18.4.4.2. Shuttle Valves								-	-	-	-
A18.4.4.3. Refuel Float Switch								-	-	-	-
A18.4.4.4. Wing Float Valve								-	-	-	-
A18.4.4.5. Single Point Receptacle								-	-	-	-
A18.4.4.6. Refueling Spools								-	-	-	-
A18.4.5. Inspect Components								-	-	-	-
A18.5. AIR REFUELING RECEIVER SYSTEM TR: TO 1F-16-( )-2-28FI-00-1, 1F-16-( )-2-28GS-00-2, 1F-16-( )-2-28JG											
A18.5.1. System Operation								-	-	-	-
A18.5.2. Perform Operational Check	*							-	-	-	-
A18.5.3. Troubleshoot System								-	-	-	-
A18.5.4. Remove/Install Components								-	-	-	-
A18.5.5. Remove/Install IFR Slipway Door								-	-	-	-
A18.5.6. Inspect Components								-	-	-	-
A18.6. PRESSURIZATION/VENT SYSTEM TR: TO 1F-16-( )-2-28FI-00-1, 1F-16-( )-2-28GS-00-2, 1F-16-( )-2-28JG											
A18.6.1. System Operation								-	-	-	-
A18.6.2. Perform Operational Check											
A18.6.2.1. Internal Vent/Pressure Valve	*							-	-	-	-
A18.6.2.2. External Vent/Pressure Valve	*							-	-	-	-
A18.6.2.3. Remote Sensing Pressure Relief Valve	*							-	-	-	-
A18.6.2.4. Negative Pressure Relief Valve	*							-	-	-	-
A18.6.3. Troubleshoot System		*						-	-	-	-
A18.6.4. Remove/Install Components											
A18.6.4.1. Internal Vent/Pressure Valve								-	-	-	-
A18.6.4.2. External Vent/Pressure Valve								-	-	-	-
A18.6.4.3. Remote Sensing Pressure Relief Valve								-	-	-	-
A18.6.4.4. Negative Pressure Relief Valve								-	-	-	-
A18.6.5. Inspect Components								-	-	-	-
A18.7. FUEL QUANTITY INDICATING SYSTEM TR: TO 1F-16-( )-2-28GS-00-2, 1F-16-( )-2-28JG											

## F-16 Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A18.7.1. System Operation								-	-	-	-
A18.7.2. Remove and Install Components											
A18.7.2.1. Probes								-	-	-	-
A18.7.2.2. Harnesses								-	-	-	-
A18.7.3. Inspect Components								-	-	-	-
A18.8. HYDRAZINE (H-70) MAINTENANCE, EMERGENCY POWER UNIT (EPU) TR: TO 1F-16-2-49GS-00-1, 1F-16-2-49FI-00-1, 1F-16-2-49JG											
A18.8.1. Perform EPU Purge	*							-	-	-	-
A18.8.2. Depressurize EPU System	*							-	-	-	-
A18.8.3. Refurbish EPU System	*							-	-	-	-
A18.8.4. Remove/Install Decomposition Chamber								-	-	-	-
A18.8.5. Remove/Install H-70 Tank	*							-	-	-	-
A18.8.6. Service H-70 Tank								-	-	-	-
A18.8.7. Perform H-70 Spill Clean-up Procedures											
A18.8.7.1. Response Team Member	*							-	-	-	-
A18.8.7.2. Response Team Supervisor		*						-	-	-	-
A18.8.8. Use, Inspect, and Clean H-70 Personal Protective Equipment											
A18.8.8.1. Self-contained Breathing Apparatus								-	-	-	-
A18.8.8.2. Protective Suit, Gloves, and Boots								-	-	-	-
A18.8.9. Operate, Use, and Inspect H-70 Support Equipment											
A18.8.9.1. Toxic Level Detectors	*							-	-	-	-
A18.8.9.2. Litmus Paper								-	-	-	-
A18.8.9.3. Vent Scrubber								-	-	-	-
A18.8.9.4. Tank Sling Assembly								-	-	-	-
A18.8.9.5. EPU Nitrogen Purging Adapter								-	-	-	-
A18.8.9.6. Depth Micrometer								-	-	-	-
A18.8.9.7. Tank Shipping/Storage/Handling Container								-	-	-	-
A18.8.10. Purge Mono-propellant Tester								-	-	-	-

## F-16 Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)				
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level	
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course	
A18.9. EXTERNAL FUEL TANK MAINTENANCE TR: TO 6J-14-2-40-2, 6J-14-2-39-1, 6J-14-2-40-1												
A18.9.1. Perform Certification Checks												
A18.9.1.1. 370 Gallon Tanks								-	-	-	-	
A18.9.1.2. 300 Gallon Tanks								-	-	-	-	
A18.9.2. Troubleshoot External Fuel Tanks												
A18.9.2.1. 370 Gallon Tanks								-	-	-	-	
A18.9.2.2. 300 Gallon Tanks								-	-	-	-	
A18.9.3. Remove and Install 370 Gallon Tank Components								-	-	-	-	
A18.9.4. Remove and Install 300 Gallon Tank Components								-	-	-	-	
A18.9.5. Inspect Tank and Components												
A18.9.5.1. 370 Gallon Tanks								-	-	-	-	
A18.9.5.2. 300 Gallon Tanks								-	-	-	-	
A18.9.6. Perform -6 Pylon Inspection								-	-	-	-	
A18.9.7. Pressure Check Removed External Tanks												
A18.9.7.1. 370 Gallon Tanks								-	-	-	-	
A18.9.7.2. 300 Gallon Tanks								-	-	-	-	
A18.9.8. Denest External Fuel Tank Canisters												
A18.9.8.1. 370 Gallon Tanks								-	-	-	-	
A18.9.8.2. 300 Gallon Tanks								-	-	-	-	
A18.9.9. Perform External Fuel Tank Build-up Procedures												
A18.9.9.1. 370 Gallon Tanks								-	-	-	-	
A18.9.9.2. 300 Gallon Tanks								-	-	-	-	
A18.9.10. Operate, Use and Inspect 370 Tank Pylon Electrical Tester								-	-	-	-	
A18.10. FUEL TANK STORAGE TR: TO 1F-16-( )-2-28FI-00-1, 1F-16-( )-2-28GS-00-2, 1F-16-( )-2-28JG, 1-1-3												
A18.10.1. System Operation								-	-	-	-	
A18.10.2. Troubleshoot Storage System								-	-	-	-	
A18.11. INTEGRAL FUEL TANK MAINTENANCE TR: TO 1F-16-( )-3-1 and 1-1-3												

## F-16 Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A18.11.1. Perform Leak Check/Test of Integral Tanks											
A18.11.1.1. Air Test	*							-	-	-	-
A18.11.1.2. Fuel Test	*							-	-	-	-
A18.12. WING ATTACHMENT FITTINGS (Finger Braces) TR: TO 1F-16-( )-3-5, 1F-16-( )-3-1											
A18.12.1. Remove/Install Wing Attach Fittings (finger braces)											
A18.12.1.1. Upper Attach Fittings (finger braces)								-	-	-	-
A18.12.1.2. Lower Attach Fittings (finger braces)								-	-	-	-
A18.12.2. Identify Negligible/ Non-Negligible Damage on Fracture Critical Areas								-	-	-	-
A18.12.3. Perform Gap Limitation Inspection								-	-	-	-
A18.12.4. Perform Gap Filling Procedures								-	-	-	-
A18.12.5. Perform Bolt Grip Procedures								-	-	-	-
A18.12.6. Install Wing Sling Assembly								-	-	-	-
A18.12.7. Inspect Wing Attach Bolt								-	-	-	-
A18.12.8. Use Wing Extractor Bolt Tool								-	-	-	-
A18.12.9. Perform Hollow Bolt Injection								-	-	-	-
A18.12.10. Install Wet Fastener								-	-	-	-

## F-117 Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
NOTE: This STS is mandatory if trainee is required to maintain the F-117 aircraft.											
A19.	F-117										
A19.1.	F-117 AIRCRAFT GENERAL TR: TO 1F-117A-3-1, 1F-117A-2-28GS, 1F-117A-2-28JG										
A19.1.1.	Safe for Maintenance							-	-	-	-
A19.1.2.	Apply/Remove External Power							-	-	-	-
A19.1.3.	Wing Tank Maintenance										
A19.1.3.1.	Remove Radar Absorbent Material (RAM)							-	-	-	-
A19.1.3.2.	Support Wings with WingSupport stands							-	-	-	-
A19.1.4.	Remove, Install, and Inspect Fuel Tubing and Couplings							-	-	-	-
A19.2.	USE AND MAINTAIN SPECIAL TOOLS AND TEST EQUIPMENT										
A19.2.1.	Breakout Box (Big/Little BOB)							-	-	-	-
A19.2.2.	Fuel Valve Analyzing Box							-	-	-	-
A19.3.	ENGINE FEED AND CROSSFEED SYSTEMS TR: Aircraft TO 1F-117A-2-28GV, 1F-117A-2-28GS, 1F-117A-2-28JG -2										
A19.3.1.	System Operation							-	-	-	-
A19.3.2.	Perform Operational Check										
A19.3.2.1.	Low Fuel Level Warning System		*					-	-	-	-
A19.3.2.2.	Fuel By-Pass (AMAD Oil Cooling) System		*					-	-	-	-
A19.3.2.3.	Fuel Control Panel		*					-	-	-	-
A19.3.3.	Troubleshoot System										
A19.3.3.1.	Fuel Pressure Indication			*				-	-	-	-
A19.3.3.2.	Hot Fuel Indication			*				-	-	-	-
A19.3.3.3.	Fuel Tank Imbalance			*				-	-	-	-
A19.3.3.4.	AMAD Oil Cooler Thermal Element			*				-	-	-	-
A19.3.3.5.	Fuel Control Panel			*				-	-	-	-
A19.3.4.	Remove and Install Components										
A19.3.4.1.	Aft Fuel Boost Pump							-	-	-	-
A19.3.4.2.	Fwd Fuel Boost Pump							-	-	-	-
A19.3.4.3.	APU Fuel Pump							-	-	-	-

## F-117 Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A19.3.4.4. Fuel Control Panel								-	-	-	-
A19.3.5. Inspect Components								-	-	-	-
A19.4. FUEL JETTISON/DUMP SYSTEM TR: TO 1F-117A-2-28GS, 1F-117A-2-28JG-4											
A19.4.1. System Operation								-	-	-	-
A19.4.2. Perform Operational Check (Weight on Wheels Switch Operation) Dump Switch/Bingo Fuel Indication								-	-	-	-
A19.4.3. Troubleshoot System											
A19.4.3.1. Fuselage		*						-	-	-	-
A19.4.3.2. Wings		*						-	-	-	-
A19.4.4. Remove and Install Left/Right Flame Arrestor								-	-	-	-
A19.4.5. Connect/Disconnect Weight On Wheels (WOW) Switch								-	-	-	-
A19.4.6. Inspect Components								-	-	-	-
A19.5. TRANSFER SYSTEM TR: Aircraft TO 1F-117A-2-28GS, 1F-117A-2-28JG-3, 10											
A19.5.1. System Operation											
A19.5.1.1. Fuel Transfer Sequence								-	-	-	-
A19.5.1.2. Motive Flow Operation								-	-	-	-
A19.5.1.3. Gravity Transfer System Operation								-	-	-	-
A19.5.2. Perform Operational Check											
A19.5.2.1. Transfer System Sequence		*						-	-	-	-
A19.5.2.2. Balance Fuel Loads		*						-	-	-	-
A19.5.3. Troubleshoot System											
A19.5.3.1. Rt/Lt Fuel Transfer		*						-	-	-	-
A19.5.3.2. Pressure Switch		*						-	-	-	-
A19.5.3.3. Fuel Transfer Valve		*						-	-	-	-
A19.5.4. Remove and Install Components											
A19.5.4.1. Fuel Transfer Valve								-	-	-	-
A19.5.4.2. Fuel Transfer Pump								-	-	-	-
A19.5.4.3. Fuel Pressure Switch								-	-	-	-
A19.5.4.4. Thermistor								-	-	-	-
A19.5.5. Inspect Components								-	-	-	-
A19.6. GROUND REFUELING AND DEFUELING SYSTEMS TR: Aircraft TO 1F-117A-2-28GS, 1F-117A-2-28JG -7											

## F-117 Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A19.6.1. System Operation											
A19.6.1.1. Wing Refuel System								-	-	-	-
A19.6.1.2. Refuel Line Drain System								-	-	-	-
A19.6.2. Perform Operational Check											
A19.6.2.1. Refuel Level Control/Shutoff Valve	*							-	-	-	-
A19.6.2.2. Refuel Line Drain Click	*							-	-	-	-
A19.6.2.3. Ground Test Panel	*							-	-	-	-
A19.6.3. Troubleshoot System											
A19.6.3.1. Refuel Level Control/Shutoff Valve		*						-	-	-	-
A19.6.3.2. Ground Refuel Load Mode Circuit Breaker		*						-	-	-	-
A19.6.3.3. Fuel Migration		*						-	-	-	-
A19.6.3.4. Ground Test Panel		*						-	-	-	-
A19.6.4. Remove and Install Components											
A19.6.4.1. Fuel Level Control Valve								-	-	-	-
A19.6.4.2. Refuel/Transfer Shutoff Valve								-	-	-	-
A19.6.4.3. Defuel Valve								-	-	-	-
A19.6.4.4. Single Point Refueling Receptacle								-	-	-	-
A19.6.4.5. Ground Test Panel								-	-	-	-
A19.6.5. Inspect Components								-	-	-	-
A19.6.6. Inspect Matrix Block Security								-	-	-	-
A19.7. AIR REFUELING RECEIVER SYSTEM TR: Aircraft TO 1F-117A-2-28GS, 1F-117A-2-28JG-6											
A19.7.1. System Operation											
A19.7.1.1. Normal Operational Sequence								-	-	-	-
A19.7.1.2. Override Operational Sequence								-	-	-	-
A19.7.1.3. Emergency Operation								-	-	-	-
A19.7.2. Perform Operational Check											
A19.7.2.1. Wet Check								-	-	-	-
A19.7.2.2. Dry Check								-	-	-	-
A19.7.2.3. Door/Rollover Mechanism								-	-	-	-
A19.7.3. Troubleshoot System											
A19.7.3.1. Indication Lights								-	-	-	-
A19.7.3.2. Door/Rollover Mechanism								-	-	-	-

## F-117 Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A19.7.3.3. Fuel Leak								-	-	-	-
A19.7.4. Remove and Install components											
A19.7.4.1. Door Assembly								-	-	-	-
A19.7.4.2. Receptacle Body Assembly								-	-	-	-
A19.7.4.3. Rollover Mechanism								-	-	-	-
A19.7.4.4. Induction Coil								-	-	-	-
A19.7.5. Align Air Refueling Door								-	-	-	-
A19.7.6. Inspect Components								-	-	-	-
A19.8. PRESSURIZATION/VENT SYSTEM TR: Aircraft TO 1F-117A-2-28GV-2, 1F-117A-2-28GS, 1F-117A-2-28JG-5											
A19.8.1. System Operation								-	-	-	-
A19.8.2. Perform Operational Check											
A19.8.2.1. Pressurization/Vent Valve	*							-	-	-	-
A19.8.2.2. Air Pressure Regulator	*							-	-	-	-
A19.8.3. Troubleshoot System		*						-	-	-	-
A19.8.4. Remove and Install Components											
A19.8.4.1. Pressurization/Vent Valve								-	-	-	-
A19.8.4.2. Pressure Regulator								-	-	-	-
A19.8.5. Inspect Components								-	-	-	-
A19.9. INERTING SYSTEM TR: Aircraft TO 1F-117A-2-28GS 1F-117A-2-26JG											
A19.9.1. System Operation								-	-	-	-
A19.9.2. Remove/Install In-Tank Components											
A19.9.2.1. Halon Mixing Valve	*							-	-	-	-
A19.9.2.2. Quick Shot Shutoff Valve	*							-	-	-	-
A19.9.2.3. Halon Relief Valve								-	-	-	-
A19.9.2.4. Halon Quick Shot Pressure Switch		*						-	-	-	-
A19.9.3. Inspect In-Tank Components								-	-	-	-
A19.10. FUEL QUANTITY INDICATING SYSTEM TR: Aircraft TO 1F-117A-2-28GS, 1F-117A-2-28JG-8											
A19.10.1. System Operation											
A19.10.1.1. Cockpit Fuel Quantity Indicating System								-	-	-	-

## F-117 Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A19.10.1.2. Wheel Well Fuel Quantity Indicating System								-	-	-	-
A19.10.1.3. Fuel Quantity Processor								-	-	-	-
A19.10.1.4. Fuel Level Sensing Units								-	-	-	-
A19.10.2. Perform Built-In-Test (BIT) Check								-	-	-	-
A19.10.3. Troubleshoot											
A19.10.3.1. Probes								-	-	-	-
A19.10.3.2. Wiring								-	-	-	-
A19.10.3.3. Fuel Quantity Indicators								-	-	-	-
A19.10.3.4. Fuel Level Sensing Unit								-	-	-	-
A19.10.4. Identify Fault Codes								-	-	-	-
A19.10.5. Inspect Components								-	-	-	-
A19.10.6. Remove and Install Tank Components											
A19.10.6.1. Internally Mounted Fuel Probe								-	-	-	-
A19.10.6.2. Externally Mounted Fuel Probe								-	-	-	-
A19.10.6.3. Fuel Quantity Processor								-	-	-	-
A19.10.6.4. Fuel Quantity Indicator								-	-	-	-
A19.10.6.5. Fuel Level Sensing Unit								-	-	-	-
A19.10.7. Inspect Components								-	-	-	-
A19.11. FUEL TANK ENTRY TR: TO 1F-117A-2-28JG-1 1F-117A-3-1											
A19.11.1. Remove and Install Wing Planks	*							-	-	-	-



## KC-10 Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
NOTE: This STS is mandatory if trainee is required to maintain the KC-10 aircraft.											
A20. KC-10											
A20.1. KC-10 AIRCRAFT GENERAL TR: Applicable aircraft and equipment TOs (e.g., workcards, checklists, etc)											
A20.1.1. Apply and Remove Electrical Power								-	-	-	-
A20.1.2. Remove, Install, and Inspect Tubing/Manifold and Coupling								-	-	-	-
A20.1.3. Operate Fuel Management Panel	*							-	-	-	-
A20.1.4. Egress System TR: TO 1C-10(K)A-1 and 1C-10(K)A-ICL-1											
A20.1.5. Operate Intercom System TR: TO 1C-10(K)A-2-23								-	-	-	-
A20.2. ENGINE FEED AND CROSSFEED SYSTEM TR: TO 1C-10(K)A-2-28-1, 1C-10(K)A-2-28FI-1											
A20.2.1. System Operation								-	-	-	-
A20.2.2. Perform Operational Check											
A20.2.2.1. Boost/Transfer Pumps	*							-	-	-	-
A20.2.2.2. Crossfeed Valve	*							-	-	-	-
A20.2.2.3. Engine Firewall Shutoff Valve	*							-	-	-	-
A20.2.3. Troubleshoot System		*						-	-	-	-
A20.2.4. Remove and Install Components											
A20.2.4.1. Boost/Transfer Pumps								-	-	-	-
A20.2.4.2. Crossfeed Valve								-	-	-	-
A20.2.4.3. Engine Firewall Shutoff Valve								-	-	-	-
A20.2.5. Inspect Components								-	-	-	-
A20.3. APU FUEL SUPPLY SYSTEM TR: TO 1C-10(K)A-2-28-1											
A20.3.1. System Operation								-	-	-	-
A20.3.2. Perform Operational Check											
A20.3.2.1. Start Pump	*							-	-	-	-
A20.3.2.2. Fire Shutoff Valves	*							-	-	-	-
A20.3.3. Troubleshoot System		*						-	-	-	-
A20.3.4. Remove and Install Components											
A20.3.4.1. Start Pump								-	-	-	-
A20.3.4.2. Fire Shutoff Valves								-	-	-	-

## KC-10 Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A20.3.5. Inspect Components								-	-	-	-
A20.4. FUEL JETTISON/DUMP SYSTEM TR: TO 1C-10(K)A-2-28-1											
A20.4.1. System Operation								-	-	-	-
A20.4.2. Perform Operational Check											
A20.4.2.1. Dump Shutoff Float Switch	*							-	-	-	-
A20.4.2.2. Fuel Dump Valve	*							-	-	-	-
A20.4.2.3. Float Shutoff Valve	*							-	-	-	-
A20.4.3. Troubleshoot System		*						-	-	-	-
A20.4.4. Remove and Install Components											
A20.4.4.1. Dump Shutoff Float Switch								-	-	-	-
A20.4.4.2. Fuel Dump Valve								-	-	-	-
A20.4.4.3. Float Shutoff Valve								-	-	-	-
A20.4.5. Inspect Components								-	-	-	-
A20.5. GROUND REFUELING/DEFUELING SYSTEMS TR: TO 1C-10(K)A-2-28-1											
A20.5.1. System Operation								-	-	-	-
A20.5.2. Perform Operational Check											
A20.5.2.1. Fill And Shutoff Controller	*							-	-	-	-
A20.5.2.2. Fill And Shutoff Valve	*							-	-	-	-
A20.5.2.3. Alternate Refuel Shutoff Valve	*							-	-	-	-
A20.5.2.4. Alternate Transfer Valve	*							-	-	-	-
A20.5.2.5. Fill Isolation Valve	*							-	-	-	-
A20.5.3. Troubleshoot System		*						-	-	-	-
A20.5.4. Remove And Install Components											
A20.5.4.1. Fill And Shutoff Controller								-	-	-	-
A20.5.4.2. Fill And Shutoff Valve								-	-	-	-
A20.5.4.3. Alternate Refuel Shutoff Valve								-	-	-	-
A20.5.4.4. Alternate Transfer Valve								-	-	-	-
A20.5.4.5. Fill Isolation Valve								-	-	-	-
A20.5.4.6. Pressure Refueling/Defueling Adapter								-	-	-	-
A20.5.5. Inspect Components								-	-	-	-
A20.6. AIR REFUELING RECEIVER SYSTEM TR: TO 1C-10(K)A-2-28-2											

## KC-10 Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A20.6.1. System Operation								-	-	-	-
A20.6.2. Perform Operational Check											
A20.6.2.1. A/R Pumps	*							-	-	-	-
A20.6.2.2. Aft Transfer/Fill Isolation Valve	*							-	-	-	-
A20.6.2.3. Centerwing A/R Isolation Valve	*							-	-	-	-
A20.6.2.4. Forward Transfer/Fill Isolation Valve	*							-	-	-	-
A20.6.2.5. A/R Shutoff Valve	*							-	-	-	-
A20.6.2.6. Manifold Surge Relief Valve	*							-	-	-	-
A20.6.2.7. Drogue Fuel Shutoff Valve								-	-	-	-
A20.6.2.8. Dual By-Pass Valve								-	-	-	-
A20.6.2.9. A/R Fuel Flow Transmitter								-	-	-	-
A20.6.2.10. Boom Fuel Shutoff Valve								-	-	-	-
A20.6.2.11. Outbound Wing Drogue Shut Off Valve	*							-	-	-	-
A20.6.3. Troubleshoot System											
A20.6.3.1. A/R Pumps		*						-	-	-	-
A20.6.3.2. Aft Transfer/Fill Isolation Valve		*						-	-	-	-
A20.6.3.3. Centerwing A/R Isolation Valve		*						-	-	-	-
A20.6.3.4. Forward Transfer/Fill Isolation Valve		*						-	-	-	-
A20.6.3.5. A/R Shutoff Valve		*						-	-	-	-
A20.6.3.6. Manifold Surge Relief Valve		*						-	-	-	-
A20.6.3.7. Drogue Fuel Shutoff Valve								-	-	-	-
A20.6.3.8. Dual By-Pass Valve								-	-	-	-
A20.6.3.9. A/R Fuel Flow Transmitter								-	-	-	-
A20.6.3.10. Boom Fuel Shutoff Valve								-	-	-	-
A20.6.3.11. Outboard Wing Drogue Shut Off Valve		*						-	-	-	-
A20.6.4. Remove and Install Components											
A20.6.4.1. A/R Pumps								-	-	-	-
A20.6.4.2. Aft Transfer/Fill Isolation Valve								-	-	-	-
A20.6.4.3. Centerwing A/R Isolation Valve								-	-	-	-
A20.6.4.4. Forward Transfer/Fill Isolation Valve								-	-	-	-
A20.6.4.5. A/R Shutoff Valve								-	-	-	-
A20.6.4.6. Manifold Surge Relief Valve								-	-	-	-
A20.6.4.7. Drogue Fuel Shutoff Valve								-	-	-	-

## KC-10 Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A20.6.4.8. Dual By-Pass Valve								-	-	-	-
A20.6.4.9. A/R Fuel Flow Transmitter								-	-	-	-
A20.6.4.10. Boom Fuel Shutoff Valve								-	-	-	-
A20.6.4.11. Outboard Wing Drogue Shut Off Valve								-	-	-	-
A20.6.5. Inspect Components								-	-	-	-
A20.7. MANIFOLD SCAVENGE/ DRAIN SYSTEM TR: TO 1C-10(K)A-2-28-1, 1C-10(K)A-2-28FI-1											
A20.7.1. System Operation								-	-	-	-
A20.7.2. Perform Operational Check											
A20.7.2.1. Manifold Scavenge Fuel Pump	*							-	-	-	-
A20.7.2.2. Low Pressure Switches	*							-	-	-	-
A20.7.2.3. Manifold Scavenge Shutoff Valve	*							-	-	-	-
A20.7.2.4. Manifold Drain Valve	*							-	-	-	-
A20.7.2.5. Manifold Drain And Outboard Fill Valve	*							-	-	-	-
A20.7.3. Troubleshoot System		*						-	-	-	-
A20.7.4. Remove And Install Components											
A20.7.4.1. Manifold Scavenge Fuel Pump								-	-	-	-
A20.7.4.2. Low Pressure Switches								-	-	-	-
A20.7.4.3. Manifold Scavenge Shutoff Valve								-	-	-	-
A20.7.4.4. Manifold Drain Valve								-	-	-	-
A20.7.4.5. Manifold Drain And Outboard Fill Valve								-	-	-	-
A20.7.5. Inspect Components								-	-	-	-
A20.8. SHROUDED FUEL DRAIN SYSTEM TR: TO 1C-10(K)A-2-28-1, 1C-10(K)A-2-28FI-1											
A20.8.1. System Operation								-	-	-	-
A20.8.2. Perform Operational Check											
A20.8.2.1. Container Drain Valve	*							-	-	-	-
A20.8.2.2. Shroud Drain Valve	*							-	-	-	-
A20.8.3. Troubleshoot System		*						-	-	-	-
A20.8.4. Remove and Install Components											
A20.8.4.1. Container Drain Valve								-	-	-	-
A20.8.4.2. Shroud Drain Valve								-	-	-	-
A20.8.4.3. A/R Drain Container								-	-	-	-

## KC-10 Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)				
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level	
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course	
A20.8.4.4. Shroud Drain Container									-	-	-	-
A20.8.4.5. Fuel Line Coupling Shroud									-	-	-	-
A20.8.5. Inspect Components									-	-	-	-
A20.9. TANK CONTINUOUS SCAVENGING SYSTEM TR: TO 1C-10(K)A-2-28-1												
A20.9.1. System Operation									-	-	-	-
A20.9.2. Perform Operational Checks												
A20.9.2.1. Tank Scavenge Jet Pump	*								-	-	-	-
A20.9.2.2. Jet Pump Check Valve	*								-	-	-	-
A20.9.2.3. Pressure Actuated Scavenge Valve	*								-	-	-	-
A20.9.3. Troubleshoot System		*							-	-	-	-
A20.9.4. Remove and Install Components												
A20.9.4.1. Tank Scavenge Jet Pump									-	-	-	-
A20.9.4.2. Jet Pump Check Valve									-	-	-	-
A20.9.4.3. Pressure Actuated Scavenge Valve									-	-	-	-
A20.9.5. Inspect Components									-	-	-	-
A20.10. PRESSURIZATION/VENT SYSTEM TR: TO 1C-10(K)A-2-28-1												
A20.10.1. System Operation									-	-	-	-
A20.10.2. Perform Operational Check												
A20.10.2.1. Vent Box Drain Valve	*								-	-	-	-
A20.10.2.2. Spar Mounted Drain Valve	*								-	-	-	-
A20.10.2.3. Tank Sump Drain Valve/Dip Stick	*								-	-	-	-
A20.10.3. Troubleshoot System		*							-	-	-	-
A20.10.4. Remove And Install Components												
A.20.10.4.1. Vent Box Drain Valve									-	-	-	-
A20.10.4.2. Spar Mounted Drain Valve									-	-	-	-
A20.10.4.3. Tank Sump Drain Valve/Dip Stick									-	-	-	-
A20.10.5. Repair Spar Mounted Drain Valve									-	-	-	-
A20.10.6. Repair Tank Sump Drain Valve									-	-	-	-
A20.10.7. Inspect Components									-	-	-	-
A20.11. FUEL INDICATION SYSTEM TR: 1C-10(K)A-2-28-1												
A20.11.1. System Operation									-	-	-	-
A20.11.2. Remove/Install Components												
A20.11.2.1. Fuel Quantity Tank Units									-	-	-	-
A20.11.2.2. Fuel Quantity Harness									-	-	-	-

## KC-10 Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)			
			A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A20.11.3. Inspect Components								-	-	-	-
A20.12. FUEL TANK ENTRY TR: TO 1C-10-(K)A-2-28-1; AFOSH STD 48-137, 91-25 and AFOSH STD 161 Series											
A20.12.1. Prepare Aircraft For Fuel System Maintenance	*							-	-	-	-
A20.13. INTEGRAL TANK MAINTENANCE TR: TO 1-1-3, 1C-10(K)A-2-28-1											
A20.13.1. Integral Tank Construction								-	-	-	-
A20.13.2. Perform Leak Source Isolation Procedures TR: 1C-10(K)A-2-28-3											
A20.13.2.1. Positive Pressure Test Integral Tanks								-	-	-	-
A20.13.2.2. Negative Pressure Test Integral Tanks								-	-	-	-
A20.14. BLADDER CELL MAINTENANCE TR: 1C-10(K)A-2-28-1											
A20.14.1. Identify Cavity Drains								-	-	-	-
A20.14.2. Perform Leak Source Isolation								-	-	-	-
A20.14.3. Remove/Install Fuel Cells								-	-	-	-

## U-2 Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
NOTE: This STS is mandatory if trainee is required to maintain the U-2 aircraft.											
A21. U-2											
A21.1. U-2 AIRCRAFT GENERAL TR: TO U-2R/U-2S-2-5, U2R/U-2-8											
A21.1.1. Safe for Maintenance								-	-	-	-
A21.1.2. Apply/Remove External Power								-	-	-	-
A21.1.3. Safety Precautions								-	-	-	-
A21.1.4. Remove, Install, and Inspect Fuel Tubing and Couplings								-	-	-	-
A21.2. ENGINE FEED AND CROSSFEED SYSTEMS TR: Aircraft TO U-2R/U-2S-2-5											
A21.2.1. System Operation								-	-	-	-
A21.2.2. Perform Operational Check											
A21.2.2.1. Primary and Secondary Boost Pump	*							-	-	-	-
A21.2.2.2. Boost Pump Pressure Switch (Pri & Sec)	*							-	-	-	-
A21.2.2.3. Emergency Shutoff Valve	*							-	-	-	-
A21.2.2.4. Fuel Pressure Transmitter/Snubber	*							-	-	-	-
A21.2.2.5. Cross Transfer Pump (inboard & outboard tanks)	*							-	-	-	-
A21.2.2.6. Cross Transfer Valve (inboard & outboard)	*							-	-	-	-
A21.2.2.7. Cross Transfer Pressure Switch	*							-	-	-	-
A21.2.2.8. Wing to Sump Cross Transfer Valve (inboard/outboard)	*							-	-	-	-
A21.2.3. Troubleshoot System											
A21.2.3.1. Engine Feed System		*						-	-	-	-
A21.2.3.2. Crossfeed System		*						-	-	-	-
A21.2.4. Isolate Fuselage Sump Tank Leak		*						-	-	-	-
A21.2.5. Remove and Install Components											
A21.2.5.1. Boost Pumps								-	-	-	-
A21.2.5.2. Pressure Switches								-	-	-	-
A21.2.5.3. Emergency Shutoff Valve								-	-	-	-
A21.2.5.4. Manual Shutoff Valve(s)								-	-	-	-
A21.2.5.5. Drain Valve								-	-	-	-
A21.2.5.6. Fuel Pressure Transmitter/Snubber								-	-	-	-
A21.2.5.7. Cross Transfer Pump								-	-	-	-

## U-2 Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)				
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level	
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course	
A21.2.5.8. Cross Transfer Valves									-	-	-	-
A21.2.5.9. 200 Mesh Fuel Strainer									-	-	-	-
A21.2.5.10. Quick Disconnect (airframe side)									-	-	-	-
A21.2.5.11. Forward Fuselage Sump Tanks (LT and RT)									-	-	-	-
A21.2.5.12. Aft Fuselage Sump Tanks (LT and RT)									-	-	-	-
A21.2.6. Inspect Components									-	-	-	-
A21.3. FUEL JETTISON/DUMP SYSTEM TR: Aircraft TO U-2R/U-2S-2-5												
A21.3.1. System Operation									-	-	-	-
A21.3.2. Perform Operational Check												
A.21.3.2.1. Dump Valve	*								-	-	-	-
A21.3.2.2. Dump Complete Switch	*								-	-	-	-
A21.3.3. Troubleshoot System		*							-	-	-	-
A21.3.4. Remove and Install Components												
A21.3.4.1. Dump Valve									-	-	-	-
A21.3.4.2. Dump Complete Switch									-	-	-	-
A21.3.4.3. Fuel Dump Chute									-	-	-	-
A21.3.5. Inspect Components									-	-	-	-
A21.4. TRANSFER SYSTEM TR: Aircraft TO U-2R/U-2S-2-5												
A21.4.1. System Operation									-	-	-	-
A21.4.2. Perform Operational Check												
A21.4.2.1. Fuel Level Control Valves	*								-	-	-	-
A21.4.2.2. Bleed Air Orifice Filters	*								-	-	-	-
A21.4.3. Troubleshoot System												
A.21.4.3.1. Fuel Level Control Valve		*							-	-	-	-
A.21.4.3.2. Dual Check Valves		*							-	-	-	-
A21.4.3.3. Bleed Air Orifices		*							-	-	-	-
A.21.4.4. Remove and Install Components												
A.21.4.4.1. Fuel Level Control Valves									-	-	-	-
A21.4.4.2. Dual Check Valves									-	-	-	-
A21.4.4.3. Transfer System Manual Shutoff Valve									-	-	-	-
A21.4.4.4. 60 Mesh Fuel Strainers									-	-	-	-
A21.4.4.5. Drain Valve									-	-	-	-

## U-2 Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)			
			A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A21.4.5. Inspect Components								-	-	-	-
A21.5. GROUND REFUELING AND DEFUELING SYSTEMS TR: Aircraft TO. U-2R/U-2S-2-5											
A21.5.1. System Operation								-	-	-	-
A21.5.2. Perform Operational Check	*							-	-	-	-
A21.5.3. Troubleshoot Sump Tank Defuel Valve		*						-	-	-	-
A21.5.4. Remove and Install Components											
A21.5.4.1. Sump Tank Defuel Valve								-	-	-	-
A21.5.4.2. Integral Wing Tank Drain Valves								-	-	-	-
A21.5.5. Inspect Components								-	-	-	-
A21.6. PRESSURIZATION/VENT SYSTEM TR: Aircraft TO U-2R/U-2S-2-5											
A21.6.1. System Operation								-	-	-	-
A21.6.2. Perform Operational Check											
A21.6.2.1. Sniffle Valve	*							-	-	-	-
A21.6.2.2. Air Bypass Valves	*							-	-	-	-
A21.6.2.3. Air Pressure Regulators	*							-	-	-	-
A21.6.2.4. Vent Float Valves	*							-	-	-	-
A21.6.2.5. Suction Relief Valve	*							-	-	-	-
A21.6.2.6. Bleed Air Check Valves	*							-	-	-	-
A21.6.2.7. Bleed Air Filters	*							-	-	-	-
A21.6.3. Troubleshoot System											
A21.6.3.1. Vent Float Valves	*							-	-	-	-
A21.6.3.2. Air Bypass Valves	*							-	-	-	-
A21.6.3.3. Air Pressure Regulators	*							-	-	-	-
A21.6.3.4. Sniffle Valves	*							-	-	-	-
A21.6.3.5. Suction Relief Valves	*							-	-	-	-
A21.6.3.6. Bleed Air Check Valves	*							-	-	-	-
A21.6.3.7. Bleed Air Filters	*							-	-	-	-
A21.6.4. Remove and Install Components											
A21.6.4.1. Vent Float Valves								-	-	-	-
A21.6.4.2. Sniffle Valves								-	-	-	-
A21.6.4.3. Air Bypass Valves								-	-	-	-
A21.6.4.4. Air Pressure Regulators								-	-	-	-
A21.6.4.5. Suction Relief Valves								-	-	-	-

## U-2 Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A21.6.4.6. Bleed Air Check Valves								-	-	-	-
A21.6.4.7. Bleed Air Filters								-	-	-	-
A21.6.4.8. Ground Test Connections								-	-	-	-
A21.6.5. Inspect Components								-	-	-	-
A21.7. FUEL QUANTITY INDICATING SYSTEM TR: Aircraft TO U-2R/U-2S-2-5											
A21.7.1. System Operation								-	-	-	-
A21.7.2. Troubleshoot System								-	-	-	-
A21.7.3. Remove/Install tank Components											
A21.7.3.1. Fuel Quantity Probe								-	-	-	-
A21.7.3.2. Low Level Float Switch								-	-	-	-
A21.7.4. Inspect Components								-	-	-	-
A21.8. HYDRAZINE MAINTENANCE/ EMERGENCY START SYSTEM TR: Aircraft TO U-2R/U-2S-2-5											
A21.8.1. System Operation								-	-	-	-
A21.8.2. Perform Operational Checkout											
A21.8.2.1. Nitrogen/Hydrazine System Leak Check	*							-	-	-	-
A21.8.2.2. Hot Duct Leak Check	*							-	-	-	-
A21.8.2.3. ESS Heater Blanket	*							-	-	-	-
A21.8.3. Troubleshoot System											
A21.8.3.1. Nitrogen Pressurization		*						-	-	-	-
A21.8.3.2. Warning Light Illumination		*						-	-	-	-
A21.8.3.3. Hydrazine Detector		*						-	-	-	-
A21.8.4. Remove and Install Components											
A21.8.4.1. Nitrogen Bottle								-	-	-	-
A21.8.4.2. Nitrogen Plumbing								-	-	-	-
A21.8.4.3. Nitrogen Shutoff And Regulating Valve								-	-	-	-
A21.8.4.4. Pressure Switch								-	-	-	-
A21.8.4.5. Surge Tank								-	-	-	-
A21.8.4.6. Gas Generator								-	-	-	-
A21.8.4.7. ATS Starter Exhaust Cover								-	-	-	-
A21.8.4.8. Hydrazine Collector/Detector								-	-	-	-
A21.8.4.9. Hydrazine Tank (H-70)								-	-	-	-

## U-2 Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A21.8.4.10. Hot Duct Plumbing								-	-	-	-
A21.8.5. Inspect System								-	-	-	-
A21.8.6. Purge System								-	-	-	-
A21.8.7. Depressurize System								-	-	-	-
A21.8.8. Perform H-70 Spill Clean-up Procedures											
A21.8.8.1. Response Team Member	*							-	-	-	-
A21.8.8.2. Response Team Supervisor		*						-	-	-	-
A21.8.9. Use, Inspect, and Clean H-70 Personal Protective Equipment											
A21.8.9.1. Self-contained Breathing Apparatus								-	-	-	-
A21.8.9.2. Protective Suit, Gloves and Boots								-	-	-	-
A21.8.10. Operate, Use, and Maintain H-70 Support Equipment											
A21.8.10.1. Hydrazine Analyzer								-	-	-	-
A21.8.10.2. Litmus Paper								-	-	-	-
A21.8.10.3. ESS Test Equipment RG 941								-	-	-	-
A21.8.10.4. H-70 Tank detector RG 977								-	-	-	-
A21.8.10.5. Seal Cover Plate RG 947/ Dummy Plug								-	-	-	-
A21.8.10.6. Exhaust Cover Plate								-	-	-	-
A21.8.10.7. Tank Shipping/Storage/ Handling Container								-	-	-	-
A21.9. FUEL TANK ENTRY TR: TO 1-1-3 and Aircraft TO U-2R/U-2S-2-5, U-2R/U-2S-3											
A21.9.1. Remove and Install Wing Planks	*							-	-	-	-



# F-22 Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)			
	5	7	A	B	C	D	E	A	B	C	
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Level Course	5 Level CDC	7 Level Course	(1) Course
NOTE: This STS is mandatory if trainee is required to maintain the F-22 aircraft.											
A22.	F-22										
A22.1.	F-22 AIRCRAFT GENERAL Portable Maintenance Aid (PMA)										
A22.1.1.	Aircraft Safe for Maintenance							-	-	-	-
A22.1.2.	Safety Precautions							-	-	-	-
A22.1.3.	Connect/Disconnect and Operate Pma							-	-	-	-
A22.1.4.	Apply/Remove Electrical Power							-	-	-	-
A22.1.5.	Remove, Install, and Inspect Fuel Hardware, Tubing, and Couplings							-	-	-	-
A22.2.	ENGINE FEED AND CROSSFEED SYSTEMS TR: PMA										
A22.2.1.	System Operation							-	-	-	-
A22.2.2.	Perform Operational Checks							-	-	-	-
A22.2.2.1.	Electrical Boost Pumps		*					-	-	-	-
A22.2.2.2.	Hydraulic Boost Pumps		*					-	-	-	-
A22.2.2.3.	Main Fuel Shutoff Valve/Actuator		*					-	-	-	-
A22.2.2.4.	APU Shutoff Valve		*					-	-	-	-
A22.2.2.5.	Crossfeed Valve		*					-	-	-	-
A22.2.2.6.	Fuel Flow Regulators		*					-	-	-	-
A22.2.2.7.	Differential Pressure Valves		*					-	-	-	-
A22.2.2.8.	Ejector Pumps		*					-	-	-	-
A22.2.3.	Troubleshoot System			*				-	-	-	-
A22.2.4.	Remove and Install Components										
A22.2.4.1.	Electrical Boost Pumps							-	-	-	-
A22.2.4.2.	Hydraulic Boost Pumps							-	-	-	-
A22.2.4.3.	Main Fuel Shutoff Valve/Actuator							-	-	-	-
A22.2.4.4.	APU Shutoff Valve							-	-	-	-
A22.2.4.5.	Crossfeed Valve							-	-	-	-
A22.2.4.6.	Fuel Flow Regulators							-	-	-	-
A22.2.4.7.	Differential Pressure Valves							-	-	-	-
A22.2.4.8.	Ejector Pumps							-	-	-	-
A22.2.5.	Inspect Components							-	-	-	-
A22.3.	INTERNAL TRANSFER SYSTEM TR: PMA										

## F-22 Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)			
	5	7	A	B	C	D	E	A	B	C	
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Level Course	5 Level CDC	7 Level (1) Course (2) CDC	
A22.3.1. System Operation								-	-	-	-
A22.3.2. Perform Operational Checks											
A22.3.2.1. Transfer Pumps	*							-	-	-	-
A22.3.2.2. Transfer Pump Manual Shutoff Valves	*							-	-	-	-
A22.3.2.3. Transfer Valves	*							-	-	-	-
A22.3.2.4. Transfer Valve Solenoids	*							-	-	-	-
A22.3.3. Troubleshoot System		*						-	-	-	-
A22.3.4. Remove and Install Components											
A22.3.4.1. Transfer Pumps								-	-	-	-
A22.3.4.2. Transfer Pump Manual Shutoff Valves								-	-	-	-
A22.3.4.3. Transfer Valves								-	-	-	-
A22.3.4.4. Transfer Valve Solenoids								-	-	-	-
A22.3.5. Inspect Components								-	-	-	-
A22.4. GROUND REFUELING/ DEFUELING SYSTEM TR: PMA											
A22.4.1. System Operation								-	-	-	-
A22.4.2. Perform Operational Checks											
A22.4.2.1. Refuel Shutoff Valves	*							-	-	-	-
A22.4.2.2. Refuel High Level Float Valves	*							-	-	-	-
A22.4.2.3. Refuel Float Override Solenoid	*							-	-	-	-
A22.4.3. Troubleshoot system		*						-	-	-	-
A22.4.4. Remove and Install Components											
A22.4.4.1. Refuel Shutoff Valves								-	-	-	-
A22.4.4.2. Refuel High Level Float Valves								-	-	-	-
A22.4.4.3. Refuel Float Override Solenoid								-	-	-	-
A22.4.4.4. Refuel Auto Drain Valves								-	-	-	-
A22.4.4.5. Ground Refuel Receptacle								-	-	-	-
A22.4.4.6. Ground Defuel Line Manual Control Valve								-	-	-	-
A22.4.5. Inspect Components								-	-	-	-
A22.5. AIR REFUEL SYSTEM TR: PMA											
A22.5.1. System Operation								-	-	-	-
A22.5.2. Perform Operational Checks								-	-	-	-
A22.5.2.1. Dry Check	*							-	-	-	-
A22.5.2.2. Wet Check	*							-	-	-	-
A22.5.3. Troubleshoot System		*						-	-	-	-

## F-22 Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)			
	5	7	A	B	C	D	E	A	B	C	
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Level Course	5 Level CDC	(1) Course	(2) CDC
A22.5.4. Remove and Install Components											
A22.5.4.1. Air Refuel Receptacle								-	-	-	-
A22.5.4.2. Air Refuel Receptacle Poppet Assembly								-	-	-	-
A22.5.4.3. Slipway Doors								-	-	-	-
A22.5.4.4. A/R Pressure Switch								-	-	-	-
A22.5.5. Inspect Components								-	-	-	-
A22.6. PRESSURIZATION/VENT SYSTEM TR: PMA											
A22.6.1. System Operation								-	-	-	-
A22.6.2. Perform Operational Checks											
A22.6.2.1. Internal Tank Vent and Pressurization Valve	*							-	-	-	-
A22.6.2.2. On-Board Inert Gas Generating System (OBIGGS)	*							-	-	-	-
A22.6.3. Troubleshoot System		*						-	-	-	-
A22.6.4. Remove and Install Components											
A22.6.4.1. Internal Tank Vent and Pressurization Valve								-	-	-	-
A22.6.4.2. OBIGGS Unit								-	-	-	-
A22.6.4.3. Air Separation Module								-	-	-	-
A22.6.4.4. OBIGGS Flow Control Valve								-	-	-	-
A22.6.4.5. OBIGGS Bypass Regulator								-	-	-	-
A22.6.4.6. OBIGGS Filter								-	-	-	-
A22.6.5. Inspect Components								-	-	-	-
A22.7. FUEL COOLING SUBSYSTEM TR: PMA											
A22.7.1. System Operation								-	-	-	-
A22.7.2. Perform Operational Checks											
A22.7.2.1. Fuel/Oil Heat Exchanger	*							-	-	-	-
A22.7.2.2. Fuel PAO Heat Exchanger	*							-	-	-	-
A22.7.2.3. Hot Fuel Return Back Pressure Valves	*							-	-	-	-
A22.7.2.4. Hot Fuel Return Back Pressure Control Solenoid	*							-	-	-	-
A22.7.2.5. Air Cooled Fuel Coolers	*							-	-	-	-
A22.7.3. Troubleshoot System		*						-	-	-	-
A22.7.4. Remove and Install Components											
A22.7.4.1. Fuel/Oil Heat Exchanger								-	-	-	-

## F-22 Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Atch 1)			
	5	7	A	B	C	D	E	A	B	C	
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Level Course	5 Level CDC	(1) Course	(2) CDC
A22.7.4.2. Fuel PAO Heat Exchanger								-	-	-	-
A22.7.4.3. Hot Fuel Return Back Pressure Valves								-	-	-	-
A22.7.4.4. Hot Fuel Return Back Pressure Control Solenoid								-	-	-	-
A22.7.4.5. Air Cooled Fuel Coolers								-	-	-	-
A22.8. EXTERNAL FUEL TANK MAINTENANCE TR: PMA & TO 6J14-2-45-2											
A22.8.1. Perform Certification Checks								-	-	-	-
A22.8.2. Troubleshoot								-	-	-	-
A22.8.3. Remove and Install Tank Components											
A22.8.3.1. Pressure Relief Valves								-	-	-	-
A22.8.3.2. Refuel Transfer Valves								-	-	-	-
A22.8.3.3. High Level Pilot Float Valves								-	-	-	-
A22.8.3.4. Fuel Quantity Probes								-	-	-	-
A22.8.3.5. Drain Valves								-	-	-	-
A22.8.4. Inspect Components								-	-	-	-
A22.8.5. Pressure Check Removed External Tank								-	-	-	-
A22.9. PYLON MAINTENANCE TR: PMA											
A22.9.1. System Operation								-	-	-	-
A22.9.2. Perform Leak Test								-	-	-	-
A22.9.3. Troubleshoot								-	-	-	-
A22.9.4. Remove and Install Components											
A22.9.4.1. Fuel/Air Stand Pipes								-	-	-	-
A22.9.4.2. Air Pressure Regulators								-	-	-	-
A22.9.4.3. Pressure and Vent Valves								-	-	-	-
A22.9.4.4. Hot Air Check Valves								-	-	-	-
A22.9.4.5. Pylon-to-Aircraft Fuel Disconnects								-	-	-	-
A22.9.4.6. Pylon-to-Tank Fuel/Air Disconnects								-	-	-	-
A22.9.5. Perform Leak Check/Test of Integral Tanks											
A22.9.5.1. Air Test								-	-	-	-
A22.9.5.2. Fuel Test								-	-	-	-

# 1H-53M/J Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Atch 1)			
			A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
NOTE 1: This STS is mandatory if trainee is required to maintain the 1H-53M/J helicopter.											
A24.	H-53										
A24.1.	MAIN FUEL SYSTEM TR: TO 1H-53(M)J-2-2										
A24.1.1.	System Operations							-	-	-	-
A24.1.2.	Perform Operational Check		*					-	-	-	-
A24.1.3.	Troubleshoot System		*					-	-	-	-
A24.1.4.	Remove/Install Components		*					-	-	-	-
A24.1.5.	Remove/Install Sponson Tank Cell		*					-	-	-	-
A24.1.6.	Inspect System and Components			*				-	-	-	-
A24.1.7.	Remove and Install Tank Access Door Panels		*					-	-	-	-
A24.2.	FUEL DUMP SYSTEM TR: TO 1H-53(M)J-2-2										
A24.2.1.	System Operation							-	-	-	-
A24.2.2.	Perform Operation Check		*					-	-	-	-
A24.2.3.	Troubleshoot System		*					-	-	-	-
A24.2.4.	Remove/Install Components		*					-	-	-	-
A24.2.5.	Inspect System and Components			*				-	-	-	-
A24.3.	AUXILLARY TANK FUEL SYSTEM TR: TO 1H-53(M)J-2-2										
A24.3.1.	System Operations							-	-	-	-
A24.3.2.	Perform Operations Check		*					-	-	-	-
A24.3.3.	Troubleshoot System		*					-	-	-	-
A24.3.4.	Remove/Install Components		*					-	-	-	-
A24.3.5.	Disassemble/Assemble Components		*					-	-	-	-
A24.3.6.	Inspect System and Components			*				-	-	-	-
A24.4.	BLEED AIR SYSTEM TR: TO 1H-53(M)J-2-2										
A24.4.1.	System Operation		*					-	-	-	-
A24.4.2.	Perform Operational Check		*					-	-	-	-
A24.4.3.	Troubleshoot System							-	-	-	-
A24.4.4.	Remove/Install Components							-	-	-	-
A24.4.5.	Inspect System and Components							-	-	-	-
A24.5.	GROUND PRESSURE REFUEL SYSTEM TR: TO 1H-53(M)J-2-2										

# 1H-53M/J Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Atch 1)			
			A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A24.5.1. System Operation								-	-	-	-
A24.5.2. Perform Operational Check	*							-	-	-	-
A24.5.3. Troubleshoot System	*							-	-	-	-
A24.5.4. Remove/Install Components	*							-	-	-	-
A24.5.5. Inspect System and Components		*						-	-	-	-
A24.6. AIR REFUELING SYSTEM TR: TOs 1H-53(M)J-2-2 and 6A18-4-3											
A24.6.1. System Operation								-	-	-	-
A24.6.2. Perform Operational Check								-	-	-	-
A24.6.3. Troubleshoot System								-	-	-	-
A24.6.4. Remove/Install Components								-	-	-	-
A24.6.5. Inspect System and Components								-	-	-	-
A24.7. FUEL INDICATING SYSTEM TR: TO 1H-53(M)J-2-2											
A24.7.1. System Operation	*							-	-	-	-
A24.7.2. Remove/Install Components								-	-	-	-
A24.7.3. Troubleshoot System								-	-	-	-
A24.7.4. Inspect System		*						-	-	-	-
								-	-	-	-

# 1H-60(H)(G) Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Atch 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
NOTE 1: This STS is mandatory if trainee is required to maintain the 1H-60(H)(G) helicopter.											
A25. H-60											
A25.1. MAIN FUEL SYSTEMS TR: TOs 1-1-3, 1H-60(H)G-2-4, and 1H-60(M)G-2-5											
A25.1.1. System Operation								-	-	-	-
A25.1.2. Perform Operational Check	*							-	-	-	-
A25.1.3. Troubleshoot System		*						-	-	-	-
A25.1.4. Remove/Install Components	*							-	-	-	-
A25.1.5. Inspect System and Components		*						-	-	-	-
A25.2. FUEL DUMP SYSTEM TR: TOs 1H-60(H)G-2-4 and 1H-60(H)G-2-5											
A.25.2.1. System Operation								-	-	-	-
A25.2.2. Perform Operational Check	*							-	-	-	-
A25.2.3. Troubleshoot System		*						-	-	-	-
A25.2.4. Remove/Install Components	*/R							-	-	-	-
A25.2.5. Inspect System and Components		*						-	-	-	-
A25.3. FUEL TRANSFER SYSTEM TR: TO 1H-60(H)G-2-4 and 1H-60(H)G-2-5											
A25.3.1. System Operation								-	-	-	-
A25.3.2. Perform Operational Check	*							-	-	-	-
A25.3.3. Troubleshoot System		*						-	-	-	-
A25.3.4. Remove/Install Components	*							-	-	-	-
A25.3.5. Inspect System and Components		*						-	-	-	-
A25.4. VENT SYSTEM TR: TOS 1H-60(H)G-2-4 and 1H-60(H)G-2-5											
A25.4.1. System Operation								-	-	-	-
A25.4.2. Perform Operational Checks	*							-	-	-	-
A25.4.3. Troubleshoot System		*						-	-	-	-
A25.4.4. Remove/Install Components	*							-	-	-	-
A25.4.5. Inspect System and Components		*						-	-	-	-
A25.5. AIR REFUELING SYSTEM TR: TOS 1H-60(H)G-2-4 and 1H-60(H)G-2-5											
A25.5.1. System Operation								-	-	-	-
A25.5.2. Perform Operational Check	*							-	-	-	-
A25.5.3. Troubleshoot System		*						-	-	-	-
A25.5.4. Remove/Install Components	*							-	-	-	-

# 1H-60(H)(G) Requirements

CFETP 2A6X4, March 2004

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Atch 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level
			Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course
A25.5.5. Inspect System and Components		*						-	-	-	-
A25.6. FUEL QUANTITY INDICATING SYSTEM TR: TOS 1H-60(H)G-2-4 and 1H-60(H)G-2-5											
A25.6.1. System Operation								-	-	-	-
A25.6.2. Perform Operational Check	*							-	-	-	-
A25.6.3. Troubleshoot System		*						-	-	-	-
A25.6.4. Remove/Install Components	*							-	-	-	-
A25.6.5.. Inspect System and Components		*						-	-	-	-

## 2AX7X CDC

CFETP 2A6X4, March 2004

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	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
NOTE 1: Users are responsible for annotating training references to identify current references pending STS revision.											
NOTE 2: This attachment is to be used in conjunction with other attachments in applicable CFETPs.											
NOTE 3: Personnel must complete CDC requirements on all MDSs/attachments.											
NOTE 4: This attachment is to be used as a correlation document for the 2AX7X 7-level Aerospace Maintenance Craftsman CDC's.											
NOTE 5: All items are SUBJECT KNOWLEDGE LEVELS only and require no certification on this STS.											
A26.1. specific	MANAGEMENT WITHIN THE MAINTENANCE COMPLEX TR: AFI 21-101, AFI 21-118 and MAJCOM guidance										
A26.1.1.	Functions of the Maintenance Complex							-	-	-	B
A26.1.2.	Operations / Logistics Group Commander Responsibilities TR: AFI 38-101, AFPD 38-1							-	-	-	B
A26.1.3.	Accountability and Core Values							-	-	-	B
A26.1.4.	Aircraft Maintenance Management Information Systems							-	-	-	B
A26.1.5.	Maintenance Analysis							-	-	-	B
A26.1.6.	Compliance and Standardization Requirements Listings							-	-	-	A
A26.1.7.	Maintenance Quality Performance Measures (QPM) Relationships							-	-	-	B
A26.1.8.	Health-of-the-Fleet Metrics							-	-	-	B
A26.1.9.	Foreign Object Damage (FOD) Program Manager TR: AFI 21-101							-	-	-	A
A26.1.10.	Joint Oil Analysis Program TR: TO 33-1-37-1							-	-	-	B
A26.1.11.	Mobility							-	-	-	A
A26.1.12.	Hazard Declarations for Mobility Packages TR: AFMAN 24-204							-	-	-	A
A26.1.13.	Hazardous Material Handling Procedures TR: AFJMAN 24-204, AFI 91-301, AFI 24-202, AFMAN 23-110							-	-	-	B
A26.1.14.	Production Supervisor, Flight Chief and Expediter Duties and Responsibilities							-	-	-	B
A26.1.15.	Special Certification Rosters							-	-	-	B
A26.1.16.	Maintenance Incident Investigation and Prevention TR: AFI 91-204							-	-	-	B
A26.1.17.	Aircraft Impoundment TR: AFI 91-204							-	-	-	A

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	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A26.1.18. Operational Risk Management (ORM) TR: AFPD 90-9, AFI 90-901, AFPAM 90-902								-	-	-	B
A26.1.19. Restricted Maintenance Areas								-	-	-	A
A26.1.20. Force Protection TR: AFDD 2-4.1								-	-	-	A
A26.1.21. Classification Info, Access to Classified, COMSEC, OPSEC, COMPUSEC TR: AFI 33-211, AFI 10-1101, AFI 33-202								-	-	-	B
A26.1.22. Proper Handling of Classified Assets TR: AFI 31-101								-	-	-	A
A26.1.23. Aircraft Inspection Concepts TR: TO 00-20-5								-	-	-	B
A26.2. ENLISTED SPECIALTY TRAINING TR: AFI 36-2201 and MAJCOM Directives											
A26.2.1. Training Management and Records								-	-	-	B
A26.2.2. Automated Training Records								-	-	-	B
A26.2.3. Career Field Education and Training Plan (CFETP)								-	-	-	B
A26.2.4. Specialty Training Standard (STS)								-	-	-	B
A26.2.5. Occupational Survey Report (OSR)								-	-	-	B
A26.2.6. Utilization and Training Workshop (U&TW)								-	-	-	B
A26.2.7. Training Forecast / Request								-	-	-	A
A26.2.8. Training Waiver Process								-	-	-	B
A26.2.9. Field Evaluation Questionnaire (FEQ) and Graduate Assessment Survey								-	-	-	A
A26.3. ACCOUNTABILITY FOR RECORDS, REPORTS, AND FORMS TR: AFI 21-109, TO 00-35D-54, TO 00-20 Series and applicable MAJCOM guidance											
A26.3.1. Historical Records								-	-	-	B
A26.3.2. Minimum Essential Configuration Management (MESL)								-	-	-	B
A26.3.3. Automated Maintenance Systems								-	-	-	A

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	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A26.3.4. Reliability Availability, Maintainability, Logistics Engineering Support System for Electronic Attack Pods and Integrated Systems (RAMPOD), Core Automated Maintenance System for Airlift (GO 81)								-	-	-	A
A26.3.5. Core Automated Maintenance System (CAMS) TR: AFM 66-279 Vol. I-XXVII, TO 00-20-2								-	-	-	B
A26.3.6. Job Data Documentation (JDD)								-	-	-	B
A26.3.7. Air Force Technical Order (AFTO) Forms 781 and 244 / 245								-	-	-	B
A26.3.8. Configuration Management								-	-	-	B
A26.3.9. Aircraft / Equipment Modifications								-	-	-	B
A26.3.10. Nuclear Surety TR: AFI 91-101								-	-	-	B
A26.3.11. Dull Sword Reporting TR: AFI 91-204								-	-	-	B
A26.4. SUPPLY MANAGEMENT TR: DOD 7200-10, AFM 67-1, AFMAN 23-220, AFMAN 23-110 and applicable MAJCOM guidance											
A26.4.1. Maintenance Supply Concept TR: AFMAN 23-110								-	-	-	B
A26.4.2. Supply Documents Management								-	-	-	B
A26.4.3. Precious Metal Program TR: AFMAN 23-110								-	-	-	A
A26.4.4. Bench Stock								-	-	-	A
A26.4.5. Air Force Technical Order (AFTO) Form 375								-	-	-	A
A26.4.6. Quick Reference List (QRL)								-	-	-	A
A26.4.7. Standard Base Supply System (SBSS) TR: AFMAN 23-110								-	-	-	B
A26.4.8. Integrated Logistic System-Supply (ILS-S) and Global Combat Support System (GCSS) TR: AFMAN 23-110								-	-	-	A
A26.4.9. Priority Systems								-	-	-	B
A26.4.10. Repair Cycle Assets								-	-	-	B
A26.4.11. Report of Survey, Statement of Charges								-	-	-	B
A26.4.12. Equipment Account Management								-	-	-	B

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	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A26.4.13. Custodian Authorization/Custody Receipt Listing (CA/CRL)								-	-	-	A
A26.4.14. Precision Measurement Equipment Laboratory (PMEL)								-	-	-	A
A26.4.15. Computer System Management TR: AFI 33-112								-	-	-	A
A26.4.16. Special Purpose Recoverable Authorized Maintenance (SPRAM) TR: AFMAN 23-110								-	-	-	A
A26.4.17. Air Force Management System (AFEMS)								-	-	-	A
A26.4.18. Status of Resources and Training (SORTS)								-	-	-	A
A26.4.19. Land Mobile Radios, Pagers, Cell Phones TR: AFI 33-106								-	-	-	A
A26.4.20. Shelf Life Program TR: AFMAN 23-110								-	-	-	A
A26.4.21. Hazardous Materials (HAZMAT) TR: Applicable AFOSH STDs, AFIs and MAJCOM guidance								-	-	-	B
A26.4.22. Qualified Products Listing								-	-	-	B
A26.5. LOGISTICS AND RESOURCE MANAGEMENT TR: AFPD 21-1											
A26.5.1. Logistics Management								-	-	-	B
A26.5.2. Agile Logistics								-	-	-	A
A26.5.3. Two-Level Maintenance (2LM)								-	-	-	A
A26.5.4. Execution and Prioritization of Repair System (EXPRESS)								-	-	-	A
A26.5.5. Readiness Based Leveling (RBL) TR: AFMAN 23-110								-	-	-	A
A26.5.6. Resource Management								-	-	-	B
A26.5.7. Air Force Government-Wide Purchase Card Program and Air Force Form 9 TR: AFI 67-117								-	-	-	A
A26.5.8. Air Force Enhancement Program (AFREP) TR: AFI 21-123								-	-	-	A
A26.5.9. Financial Plan (FIN Plan)								-	-	-	A
A26.5.10. Appropriation (APPN) 3400 and 3080 Budgeting								-	-	-	A
A26.5.11. Budget Line 3010								-	-	-	A
A26.5.12. Air Force Materiel Command (AFMC) Responsibilities								-	-	-	A

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	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A26.5.13. Developmental Test and Evaluation (DT&E), Operational Test and Evaluation (OT&E)								-	-	-	A
A26.5.14. Defense Logistics Agency								-	-	-	A
A26.5.15. Special Experience Identifier (SEI) TR: AFMAN 36-2108								-	-	-	B
A26.5.16. Unit Manpower Document (UMD) and Unit Management Personnel Roster (UMPR)								-	-	-	A
A26.5.17. Manning Standards, and Logistics Composite Model (LCOM) TR: AFI 38-201, AFMAN 38-208								-	-	-	A
A26.5.18. Technical Order Management								-	-	-	B
A26.5.19. Technical Order Distribution Office (TODO), Technical Order Distribution Account (TODA), Technical Order Distribution Control Activity (TODCA), Technical Order Review Board (TORB) TR: TO 00-5-1, TO 00-5-2								-	-	-	A
A26.5.20. Air Force Technical Order Forms 22, 27, 110, 158								-	-	-	A
A26.5.21. Automated Technical Order Management System (ATOMS) TR: TO 00-5-2								-	-	-	A
A26.5.22. Time Compliance Technical Orders (TCTO) TR: TO 00-5-15								-	-	-	A
A26.5.23. Centralized Technical Order Management Organization (CTOM) TR: TO 00-5-1								-	-	-	A
A26.5.24. Joint Computer-aided Acquisition and Logistic Support (JCALS)								-	-	-	A
A26.5.25. Electronic Technical Orders								-	-	-	A
A26.5.26. Deficiency Reporting (Hardware and Software) Product Quality Deficiency Reporting System (PQDR), TR: TO 00-35D-54								-	-	-	B
A26.5.27. Reporting of Deficiency (ROD)								-	-	-	B
A26.5.28. Bad Actor Program TR: TO 00-20-1, TO 00-35D-54								-	-	-	A
A26.5.29. Technical Improvement Product Working Group (TIPWG), System Training Plan (STP), Program Management Review (PMR)								-	-	-	A
A26.5.30. Corrosion Prevention Advisory Board (CPAB) TR: AFI 21-105								-	-	-	A

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	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A26.6. COMPUTER APPLICATION											
A26.6.1. Using Applications								-	-	-	B
A26.6.2. Form Flow								-	-	-	B
A26.6.3. Air Force Electronic Publishing Library (AFEPL)								-	-	-	B
A26.6.4. World Wide Web (WWW) Internet								-	-	-	B
A26.6.5. Local Area Networks (LAN)								-	-	-	B

***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 students so they know what is expected of them to successfully complete training on each task. Each objective is comprised of a condition, behavior, and standard that states what is expected of the student for each task. The condition is the setting in which the training takes place. The behavior is the action a student must demonstrate to accomplish a task (i.e. remove and install a fuel cell). 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 that 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 sampling 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 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.** Most task performance is taught to the "2b" or "3c" proficiency level. The "2b" means the student 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. The "3c" means the student can do all parts of the task but may need a spot check of completed work (competent). The student should be able to identify why and when the task must be done and why each step is needed.

**7. Course Objectives.** If you require detailed course descriptions and objectives, please provide a written request to the AETC Training Manager, 361 TRS/TRR, 501 Missile Road, Sheppard AFB TX 76311-2264.

***Section C - Support Material***

**8.** Support material is any training package designed to enhance the learning process at any level of training. Refer to the Air Force Education and Training Course Announcements (ETCA) for information on AETC formal courses. ETCA can be accessed at <https://etca.randolph.af.mil/>.

8.1. Interactive Courseware (ICW) courses are available from, or under development by, 367 TRS/TRSS, Hill Air Force Base, Utah. You can view available courses and courses in production by accessing the IMI Courseware Catalog at <http://www.hill.af.mil/367TRSS/>. In the "Available Courseware" area, you select a particular aircraft (i.e., C-5, F-16, etc.) to get a listing of courses for that aircraft. B-1B Safe for Maintenance and F-16 Hydrazine Hazard Training are examples of courses that might interest 2A6X4 personnel.

8.2. The following training detachment courses (current as of September 2003) are available from the 982 Training Group (372 and 373 Training Squadrons). The course chart/training standard for each course is available for viewing at the 982 TRG website: <https://webm.sheppard.af.mil/982trg/coursecharts/cours.html>. Enter the AFSC (i.e., 2A6X4) of the courses for which you are looking.

<b>COURSE NUMBER</b>	<b>COURSE TITLE</b>	<b>OPR</b>
J4AMF/ASF/AST2A6X4 002	C-5 Aircraft Fuel System Craftsman	372 TRS
J4AMF/ASF/AST2A6X4 003	F-16 Hydrazine Tank Servicing	372 TRS
J4AMF/ASF/AST2A6X4 004	F-16 Aircraft Fuel System	372 TRS
J4AMF/ASF/AST2A6X4 005	F-15 Aircraft Fuel Systems Maintenance	372 TRS
J4AMF/ASF/AST2A6X4 006	F-15 Conformal Fuel Tank Operation and Maintenance	372 TRS
J4AMF/ASF/AST2A6X4 009	B-1B Aircraft Fuel Systems	372 TRS
J4AMF/ASF/AST2A6X4 011	C-130 Aircraft Fuel Systems	373 TRS
J4AMF/ASF/AST2A6X4 013	B-52H Aircraft Fuel Systems Maintenance	372 TRS
J4AMF/ASF/AST2A6X4 014	KC-135 Aircraft Fuel Systems Craftsman	373 TRS
J4AMF/ASF/AST2A6X4 017	B-2 Aircraft Fuel Systems	372 TRS
J4AMF/ASF/AST2A6X4 022	F-117 Fuel Systems	372 TRS
J4AMF/ASF/AST2A6X4 024	C-17A Fuel Systems	373 TRS
J4AMF/ASF/AST2A6X4 025	KC-10A Aircraft Fuel Systems	373 TRS
J4AMF/ASF/AST2A6X4 030	MH-53J Fuel Systems Craftsman	373 TRS
J4AMF/ASF/AST2A6X4 032	C-141 Aircraft Fuel Systems	372 TRS
J4AMF/ASF/AST2A6X4 033	Initial WRM F-16 370/300 Gallon Tank Buildup	372 TRS
J4AMF/ASF/AST2A6X4 034	Refresher WRM F-16 370/300 Gallon Tank Buildup	372 TRS

COURSE NUMBER	COURSE TITLE	OPR
J4AMF/ASF/AST2A6X4 035	C-130J Fuel Systems (O/M)	372 TRS
J4AMF/ASF/AST2A6X4 037	F/A-22 Aircraft Fuel System Purging Component R&I (Conversion Training)	372 TRS
J4AMF/ASF/AST2A6X4 038	HH-60 Fuel Systems Craftsman	372 TRS
J4AMF/ASF/AST2A6X4 039	E-3 Aircraft Fuel System Craftsman	372 TRS
J4AMF/ASF/AST2A6X4 040	F/A-22 Aircraft Fuel System and OBIGGS Diagnostics (Conversion Training)	372 TRS
J4AMF/ASF/AST2A6X4 041	F/A-22 Aircraft Fuel Sealant Maintenance (Conversion Training)	372 TRS
J4AMF/ASF/AST2A6X4 042	F/A-22 Aircraft Fuel/OBIGGS Systems Principles (Conversion Training)	372 TRS
J4AMF/ASF/AST2A6X4 043	F/A-22 Aircraft Fuel Systems Ops Check Component Repair (Conversion Training)	372 TRS

### *Section D - Training Course Index*

**9. Purpose.** This index lists Air Force resident, Air Force Institute for Advanced Distributed Learning (AFIADL), 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.

#### **9.1. Air Force Resident Courses.**

COURSE NUMBER	COURSE TITLE	OPR
J3ABR2A634 002	Aircraft Fuel Systems Apprentice	361 TRS
J3ACR2A674 002	Aircraft Fuel Systems Craftsman	361 TRS

**9.2. Air Force Institute for Advanced Distributed Learning (AFIADL) Courses.**

COURSE NUMBER	COURSE TITLE	OPR
CDC 2A654	Aircraft Fuel Systems Journeyman	361 TRS
CDC 2AX7X	Aerospace Maintenance Craftsman	HQ USAF/ILMM

**9.3. Exportable Courses.**

COURSE NUMBER	COURSE TITLE	OPR	MEDIA
J6ANU00066 044	General Technical Order System	362 TRS	DL
J6ANU00066 045	Advanced Technical Order System	362 TRS	DL
J6ANU00066 046*	Integrated Maintenance Data System (IMDS) for Flightline	362 TRS	DL
J6ANU00066 047*	Integrated Maintenance Data System (IMDS) for Backshop	362 TRS	DL
J6ANU00066 048*	Integrated Maintenance Data System (IMDS) for Supervisors	362 TRS	DL

\*In development

***Section E - MAJCOM Unique Requirements.*****10. Mission Design Series (MDS) Specific Training Requirements**

10.1. Purpose. Attachments 4 thru 25 identify Mission Design Series (MDS) specific training requirements (core tasks) for an individual to become duty position qualified on a particular aircraft.

10.2. MAJCOM Functional Managers will review Attachments 4 thru 25 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.

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

- CAF MCL      <https://lg.acc.af.mil/lgq/lgqt/NEWLGQTHOME.htm>.
- MAF MCL      <https://amclg.scott.af.mil/lgm/lgmm/lgmmt/hello.html>