

# AFSC 2A3X3 TACTICAL AIRCRAFT MAINTENANCE SPECIALTY



## CAREER FIELD EDUCATION AND TRAINING PLAN

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**SUMMARY OF CHANGES.** As a result of the 22 July – 9 August 2019 Specialty Training Requirements Team Workshop, the STSs contained in this Career Field Education and Training Plan (CFETP) have significant changes in Core Tasks, proficiency codes, and STS line number changes.

**CAREER FIELD EDUCATION AND TRAINING PLAN  
TACTICAL AIRCRAFT MAINTENANCE SPECIALTY  
AFSC 2A3X3**

**Table of Contents**

<b><u>PART I</u></b>	<b>Page</b>
<b>Preface</b> .....	<b>1</b>
<b>Abbreviations/Terms Explained</b> .....	<b>2</b>
<b>Section A--General Information</b> .....	<b>3</b>
Purpose of the CFETP	
Use of the CFETP	
Coordination and Approval of the CFETP	
<b>Section B--Career Progression and Information</b> .....	<b>4</b>
Specialty Description	
Skill and Career Progression	
Apprentice Level (3)	
Journeyman Level (5)	
Craftsman Level (7)	
Superintendent Level (9)	
Training Decisions	
CCAF/Higher Education and Advanced Certification Opportunities	
Career Field Path	
Base/Unit Education and Training Manager Checklist	
<b>Section C--Skill-Level Training Requirements</b> .....	<b>11</b>
Purpose	
Special Qualification Requirements	
Apprentice Level (3)	
Journeyman Level (5)	
Craftsman Level (7)	
Superintendent Level (9)	
<b>Section D--Resource Constraints</b> .....	<b>15</b>
<b>Section E--Transitional Training Guide</b> .....	<b>15</b>

**PART II**

**Section A--Specialty Training Standard (STS) .....16**

**Section B--Course Objective List .....17**

**Section C--Support Material .....18**

**Section D--Training Course Index .....18**

**Section E--MAJCOM Unique Requirements .....21**

**STS Attachments**

**1. Proficiency Code Key .....22**

**2. Aircraft Maintenance Common Training Requirements .....24**

**3. 2A3X3E A-10 Qualitative Requirements.....35**

**4. 2A3X3E U-2 Qualitative Requirements.....44**

**5. 2A3X3L F-15 Qualitative Requirements .....56**

**6. 2A3X3M F-16 Qualitative Requirements .....69**

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**TACTICAL AIRCRAFT MAINTENANCE SPECIALTY  
AFSC 2A3X3E/L/M  
CAREER FIELD EDUCATION AND TRAINING PLAN**

**PART I**

***PREFACE***

**1. Career Field Education and Training Plan (CFETP).** This CFETP is a comprehensive education and training document that identifies life-cycle education and training requirements, training support resources, and minimum Core Task requirements for 2A3X3, Tactical Aircraft Maintenance Specialty. The CFETP will provide personnel a clear career path to success and instills rigor in all aspects of career field training. This CFETP supersedes 2A3X3 CFETP published 1 October 2016 and CFETP 2A3X3C1, 22 May 2018. Information is available at Air Force Publications website.

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

**2. CFETP Parts.** The CFETP consists of two parts. Supervisors will use both parts to plan, manage, and control training. 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.

**2.1.** Part I provides information necessary for overall management of the specialty. Section A explains how everyone will use the plan. Section B identifies career field progression information, duties and responsibilities, training strategies, and career field path. Section C associates each level with specialty qualifications (knowledge, education, experience, training, and other). Section D indicates resource constraints to accomplishing this plan, such as funds, manpower, equipment, and facilities. Section E identifies transition training 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, technical references to support training, Air Education and Training Command (AETC) conducted training, wartime course/Core Task, and correspondence course requirements. Section B contains the course objective list and training standards supervisors will use to determine if Airmen have satisfied training requirements. Section C identifies available support materials, such as Qualification Training Package (QTP), which may be developed to support proficiency training. Section D identifies a training course index that supervisors can use to determine if resources are available to support training. Included here are both mandatory and optional courses. Section E identifies MAJCOM unique training requirements supervisors can use to determine additional training required for the associated qualification needs. At unit level, supervisors and trainers will use Part II to identify, plan, and conduct training commensurate with the overall goals of this plan.

## ***ABBREVIATIONS/TERMS EXPLAINED***

**Advanced Training.** Formal course, which provides individuals who are qualified in their Air Force Specialty (AFS) with additional skills/knowledge to enhance their expertise in the career field. Training is for selected career Airmen at the advanced level of an AFS.

**Air Force Job Qualification Standard (AFJQS).** A comprehensive task list that describes a particular job type or duty position. Supervisors use the AFJQS to document task qualifications. The AFJQS tasks are common to all persons serving in the described duty position.

**Career Field Education and Training Plan.** A CFETP is a comprehensive, multipurpose document covering the entire spectrum of education and training for a career field. It outlines a logical growth plan that includes training resources and is designed to make career field training identifiable, eliminate duplication, and ensure training is budget defensible.

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

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

**Electronic Training Record.** A web-based application providing Air Force Warfighters with global, real-time visibility into the technical qualifications, certifications, and training status of logistics, communications and information professionals Air Force wide. Electronic training records support base, wing, and work center level training management activities by automating training management business processes. The primary users of electronic training records will be any personnel directly involved in base level training management and certification activities. Electronic training records were developed and maintained by 754th Electronic Systems Group, Installation and Logistics, Maintenance Flight (754 ELSG/ILM) at Maxwell-Gunter AFB.

**Enlisted Specialty Training (EST).** A mix of formal AETC training and OJT training designed to qualify and upgrade Airmen in each skill level of a specialty.

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

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

**Initial Skills 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 AFS Code (AFSC). This training is conducted at various locations by AETC.

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

**Proficiency Training.** Proficiency training is additional training, either in-residence or exportable advanced training courses, or OJT, provided to personnel to increase their skills and knowledge beyond the minimum required for upgrade.

**Qualification Training.** 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.

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

**Specialty Knowledge Test (SKT).** A test based on knowledge of each Air Force Specialty. The SKT is designed to sample an Airman's knowledge of his or her entire Air Force specialty and not a specific job. Specialty Knowledge Tests are developed at the AETC Airman Advancement Division, by Senior Noncommissioned Officers with extensive practical experience in their career fields.

**Specialty Training Requirements Team (STRT).** A forum that is convened and co-chaired on a recurring basis by the AFCFM and Training Pipeline Manager, designed to review the appropriate CFETP and its attachments. The purpose is to ensure currency, accuracy and completeness of content, to include specific formal career ladder training requirements.

**Specialty Training Standard.** An Air Force document that is published as an attachment to the appropriate CFETP that describes an AFS in terms of tasks and knowledge an Airman may be expected to perform or to know on the job. It serves as a contract between AETC and the functional user to show which of the overall training requirements for an AFSC are taught in formal schools and exportable courses.

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

**Upgrade Training (UGT).** Upgrade training identifies the mandatory courses, task qualification requirements, and correspondence course completion requirements for award of the 3-, 5-, 7-, and 9-skill levels.

**Utilization and Training Workshop (U&TW).** A forum to determine education and training requirements, bringing together the expertise to establish the most effective mix of formal and on-the-job training for each AF Specialty skill level. Also used to create or revise training standards, and set responsibilities for providing training.

## ***SECTION A - GENERAL INFORMATION***

**1. Purpose of the CFETP.** This CFETP provides the information necessary for the AFCFM, MAJCOM functional managers (MFMs), commanders, training managers, supervisors, and trainers to plan, develop, manage, and conduct an effective and efficient career field training program. It identifies major resource constraints which impact full implementation of the desired career field training process. This CFETP outlines the training that individuals in AFSC 2A3X3E/L/M should receive in order to develop and progress throughout their career. This CFETP identifies initial skills, upgrade, qualification, advanced, and proficiency training requirements for each skill level in the specialty.

**2. Use of the CFETP 2.1.** The CFETP is the primary document used to identify life-cycle education and training requirements. It serves as a road map for career progression and outlines requirements that should be satisfied at appropriate points throughout the career path. The CFETP also specifies the mandatory task qualification requirements for award and maintenance of an AFSC. AETC training personnel will develop or revise formal resident, non-resident, field, and exportable training based upon requirements established by the users and documented in Part II of the CFETP. They will also work with the AFCFM to develop acquisition strategies for obtaining the resources needed to provide the identified training. MFMs will ensure their training programs complement the CFETP mandatory initial, upgrade, and proficiency requirements. OJT, resident training, contract training, or exportable courses can satisfy these identified requirements. MAJCOM-developed training, to support this AFSC, must be identified for inclusion in this plan and must not duplicate other available training resources. Each individual will complete the mandatory training requirements specified in this plan. The list of courses in Part II will be used as a reference to support training.

**3. Coordination and Approval of the CFETP.** The AFCFM is the approval authority for the CFETP. The AFCFM for AFSC 2A3X3E/L/M will initiate an annual review of this document to ensure currency and accuracy. MAJCOM representatives and AETC training personnel will identify and coordinate on the career field training requirements. Using the list of courses in Part II, they will eliminate duplicate training.

## ***SECTION B - CAREER PROGRESSION INFORMATION***

### **1. Specialty Description:**

**1.1. Specialty Summary.** Maintains aircraft, support equipment, forms, and records. Performs and supervises as a section chief, production superintendent, flightline expediter, crew chief, repair and reclamation technician, quality assurance inspector, and maintenance support functions. Related DoD Occupational Subgroup: 160000.

**1.2. Duties and Responsibilities.** Refer to Air Force Enlisted Classification Directory (AFECD) Parts I and II located on the Air Force Personnel Services page in the Air Force Portal. Use the following address to access the AFECD: [https://gum-crm.csd.disa.mil/app/answers/detail/a\\_id/7504/kw/afecd/r\\_id/100169](https://gum-crm.csd.disa.mil/app/answers/detail/a_id/7504/kw/afecd/r_id/100169) or use the following instructions to access the AFECD: Enter the Air Force Portal, in the search box enter "AFECD" and when results are displayed, click-on "AFECD - Air Force Enlisted Classification Directory" and log-in.



**2. Skill and Career Progression.** Adequate training and timely progression from the apprentice to the superintendent skill level play an important role in the Air Force's ability to accomplish its mission. It is essential that everyone involved in training do their part to plan, develop, manage, and conduct an effective training program. The guidance provided in this part of the CFETP will ensure each individual receives viable training at appropriate points in their career. Use Table 5.1 *Enlisted Career Path* in conjunction with information below to manage career field skill progression.

**2.1. Apprentice (3) Level.** Upon completion of initial skills training, a trainee will work with a trainer to enhance their knowledge and skills. They will utilize task qualification training and available exportable courses for continued advancement. Once task qualified, a trainee may perform the task unsupervised. The 1-and 3-skill levels are assigned shred identifiers for initial-skills course scheduling and assignment purposes. Shred identifiers and Special Experience Identifiers (SEI) codes are provided in the AFECD.

**2.2. Journeyman (5) Level.** Individuals must complete formal 5-level OJT. This training involves completion of identified 5-level Core Task qualification training requirements. Available proficiency/supplementary training should be completed as early as duty permits. Five-levels are assigned shred identifiers for scheduling and assignment purposes, and may be assigned job positions such as quality assurance and various staff positions. Five-levels will be considered for appointment as unit trainers. Individuals may use the SKT references found at <https://www.omsq.af.mil/> to prepare for testing under the Weighted Airman Promotion System (WAPS). They should continue their education toward an associate's or higher educational degree from the Community College of the Air Force (CCAF) or other accredited institution.

**2.3. Craftsman (7) Level.** Individuals must complete formal 7-level OJT. This training involves completion of identified 7-level appropriate Core Task qualification training requirements. Available proficiency/supplementary training should be completed as early as duty permits. A craftsman can expect to fill various supervisory and management positions such as shift leader, element NCOIC, flight/section chief, and task certifier. They can also be assigned to work in staff positions. They should continue their education toward an associate's or higher educational degree from CCAF or other accredited institution. Once promoted to TSgt, the shred identifier drops from the Control AFSC and the individual can be assigned to other legacy fighter aircraft.

**2.4. Superintendent (9) Level.** Individuals promoted to SMSgt are required to attend the Senior Noncommissioned Officer Academy. Additional training in the areas of budget, manpower, resources, and personnel management should be pursued through continuing education. Completion of college courses in the pursuit of a higher-level educational degree is also recommended. Once promoted to SMSgt, an individual can be assigned to any legacy, 5th generation, or remotely piloted aircraft unit.

**3. Training Decisions.** The CFETP uses a building block approach (simple to complex) to encompass the entire spectrum of training requirements for the Tactical Aircraft Maintenance (2A3X3) career field. The spectrum includes a strategy for when, where, and how to meet these training requirements. The strategy should be apparent and affordable to reduce duplication of training and eliminate a disjointed approach to training. The following training decisions were made by MFMs and SMEs at the career field STRT held 22 July – 9 August 2019 at Sheppard AFB, TX.

**3.1. Initial Skills.** Changes were made to initial skills training. Several STS line items not identified previously were identified for inclusion in the mission-design-series (MDS) specific STS attachments and proficiency codes were assigned.

**3.2. Five-Level Upgrade Requirements.** Changes were made to 5-level Core Task upgrade requirements. Field Training Detachments (FTDs) will provide advanced aircraft system training.

**3.3. Seven-Level Upgrade Requirements.** New SSgts will complete advanced aircraft system training provided by FTDs.

**3.4. Proficiency/Continuation Training (see pg 2/3).** Additional knowledge and skill requirements, which are not taught through initial skills or upgrade training, are accomplished by unit training or FTD. The purpose of continuation training is to provide additional training, exceeding minimum upgrade training requirements, with emphasis on present and future duty positions. To provide additional training in this area, MAJCOMs must develop a continuation training program that ensures individuals in the aerospace maintenance career field receive the necessary training at the appropriate point in their career. The training program will identify both mandatory and optional training requirements. Refer to Part II, Section D, Training Course Index, of this CFETP for a listing of available AETC supplementary training courses.

**4. CCAF/Higher Education and Advanced Certification Opportunities.** Higher education and advanced certification is a personal choice that is encouraged for the professional development of the entire enlisted force. Listed below are some current opportunities:

**4.1. CCAF Academic Programs.** Enrollment in CCAF occurs upon completion of Basic Military Training (BMT). CCAF provides the opportunity to obtain an Associate in Applied Sciences Degree.

**4.1.1. Degree Requirements:** Prior to completing an associate degree, the 5-level must be awarded and the following requirements must be met:

	Semester Hours
Technical Education.....	24
Leadership, Management, and Military Studies.....	6
General Education.....	15
Program Elective.....	15
Technical Education; Leadership, Management, and Military Studies; or General Education	
Total.....	60

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

**4.1.1.2. Leadership, Management, and Military Studies (6 semester hours).** Professional military education and/or civilian management courses.

**4.1.1.3. General Education (15 semester hours).** Applicable courses must meet the criteria for application of courses to the General Education Requirements (GER) and be in agreement with the definitions of applicable General Education subjects/courses as provided in the *CCAF General Catalog*.

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

**4.1.2. 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.

**4.2. AETC Instructor.** Individuals desiring to become an AETC Instructor should be actively pursuing an associate's degree. Special Duty Assignment (SDA) requires an AETC Instructor candidate to have a CCAF degree or be within one year of completion. A degreed faculty is necessary to maintain accreditation through the Southern Association of Colleges and Schools. An AETC instructor can also be awarded an Associates of Applied Science, Instructor of Technology and Military Science degree.

**4.3. Federal Aviation Administration (FAA) Airframe and Powerplant (A&P) Certification.** Air Force aircraft maintenance technicians are eligible to pursue FAA A&P certification based on training and experience in accordance with Federal Aviation Regulation Part 65. The DoD established the Joint Service Aviation Maintenance Technician Certification Council (JSAMTCC) to standardize the eligibility and certification process for the military and provide direction and resources necessary to fill the gaps within military training and experience. The program consists of OJT, three Air University Online A&P Specialized Courses, documented evidence of 30 months practical experience in airframe and powerplant systems, and 4 years time-in-service. 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 <https://afvec.us.af.mil/afvec/Public/COOL/SearchCredentials.aspx> and search for "mechanic". The CCAF currently awards 30 semester hours for the FAA A&P certification and 18 semester hours for the FAA Airframe or Powerplant certification.

**4.4. 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 <https://afvec.us.af.mil/afvec/Public/COOL/SearchCredentials.aspx>.

## **5. Career Field Path:**

**NOTE:** For the latest information go to USAF Career Path Tool at <https://myvector.us.af.mil/myvector/Home>.

**5.1. Enlisted Development Team.** The Enlisted Development Team (EDT) is the deliberate force development steering group for the Maintenance Management Career Fields and provides

recommendations for the best qualified SNCOs into key leadership/development positions across the Air Force. The EDT results will be used to influence future assignments as they relate to aircraft maintenance Key Developmental Positions (KDPs). Example KDPs include the MAJCOM Weapons System Team Managers, Aircraft Battle Damage Repair/Expeditionary Depot Maintenance Functional Area Manager to name a few. The EDT also identifies other developmental opportunities for Maintenance Management SNCOs to facilitate their deliberate development. These recommendations or vectors are the EDT's collective recommendations for experience level, training and/or education opportunity, or position type that a member should be considered and seek out for professional growth. Vectoring will consist of recommendations for identified positions (i.e. development, leadership and strategic positions) within the Maintenance Management construct for which a member should be considered in subsequent assignments, but will not identify a specific location of assignment.

**5.2. Enlisted Career Path.** Table 5.1 identifies career milestones for the 2A3X3E/L/M Air Force Specialty.

Table 5.1 Enlisted Career Path (Airman Promotion Reference AFI 36-2670)				
Education and Training Requirements	Grade Requirements			
	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 10 months		
<b>Upgrade to Journeyman (5-Skill Level)</b> - Complete all appropriate 5- level Core Tasks.	Amn A1C SrA	10 months 3 years	28 months	8 Years
<b>Airman Leadership School (ALS)</b> -Must be a SrA with 48 months time in service or be an SSgt Selectee. -Resident graduation is a prerequisite for SSgt sew-on (Active Duty Only).	<b>Trainer</b> - Qualified and certified to perform the task to be trained. - Must attend formal AF Training Course. - Recommended by the supervisor.			
	<b>Certifier</b> - Be an SSgt select with a 5- skill level or civilian equivalent. - Must attend AF Training Course. - Be a person other than the trainer except for AFSCs, duty position, units and/or work centers with specialized training standardization and certification requirements.			
<b>Upgrade To Craftsman (7-Skill Level)</b> -Minimum rank of SSgt (Sel). -Time in training is determined by the Career Field Manager. -Complete Career Development Course if applicable. -Attend Craftsman course, if applicable.	SSgt (Sel)	7.5 years	3 years	15 Years
<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	12.5 years	5 years	20 Years
	MSgt	16 years	8 years	24 Years
<b>USAF Senior NCO Academy</b> - Must be a SMSgt or SMSgt Selectee. - Resident graduation is a prerequisite for SMSgt sew-on (Active Duty Only).	SMSgt	19.2 years	11 years	26 Years
<b>Upgrade To Superintendent (9-Skill Level)</b> - Minimum rank of SMSgt.	CMSgt	21.5 years	14 years	30 Years

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

<b>Table 5.2. Base/Unit Education and Training Manager Checklist</b>		
<b>Requirements for Upgrade to:</b>	<b>Y</b>	<b>N</b>
<b>Journeyman</b> - Does apprentice possess 2A333E/L/M AFSC? - Has apprentice completed all appropriate 5-level Core Tasks identified in the CFETP? - Has apprentice met mandatory requirements listed in specialty description, ECD, and CFETP? - Has apprentice been recommended by their supervisor?		
<b>Craftsman</b> - Does journeyman possess 2A353E/L/M AFSC? - Has journeyman achieved the rank of SSgt? - Has journeyman completed all appropriate Core Tasks identified in the CFETP?		

TO: Squadron/CC

FROM: Squadron Training Manager

SUBJECT: Upgrade Trainee

Trainee is prepared to be upgraded and has completed all mandatory training requirements.

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

\_\_\_\_\_  
 Supervisor

## ***SECTION C – SKILL-LEVEL TRAINING REQUIREMENTS***

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

**1.1** USAF policy has changed to allow Air Force Career Field Managers to set time in training requirements. Aggregate data for the 2AXXX AFSCs shows the average of all upgrade core tasks completion at 8 months for 5-level and 3 months for 7-level. Therefore, Time in Training requirements (upgrade and retraining) are as below:

5 level - RegAF: no minimum/15 month maximum. ARC: no minimum/no maximum

7 level - RegAF: no minimum/8 month maximum. ARC: no minimum/no maximum

RegAF maximum time in training for 5-level is 15 months and 7-level is 8 months. When training exceeds the maximum, commanders, UTMs, supervisors, will conduct a training progress review with the trainee to determine the root cause. This training progress review is in addition to the review required IAW AFI 36-2670 at 24 months. In the 2AXXX AFSC, it is imperative training progress is evaluated early on as it leads to key decisions impacting people and mission. UTMs with commander's approval will place members in Training Status Code T (failure to progress) for a period of 90 days, then accomplish a re-evaluation. If members are not complete with training required after 90 days, commanders will determine whether to: 1. Waive maximum time in training and return the member to duty, 2. Retrain member into another AFSC, or 3. Separate the member for failure to progress. UTMs guide commanders with the appropriate use of training status codes when there are any training progression concerns.

**1.2** The maintenance badge will be awarded in conjunction with skill-level upgrade. Maintainers currently wearing the badge that do not meet this new criteria may continue to wear the badge, essentially grandfathered-in, but all future award or upgrade of the badge will be at the prescribed skill-level:

Basic: Wear the basic badge after award of the 5-skill-level

Senior: Wear the senior badge after award of the 7-skill-level

Master: Wear the master badge after award of the 9-skill-level.

See AFI 36-2903 for guidance on the wearing of occupational badges.

## **2. Specialty Qualification Requirements.**

### **2.1. Apprentice Level Training (3):**

**2.1.1. Specialty Qualification.** This information will be located in the official specialty description in the AFECD.

**2.1.1.1. Knowledge.** Knowledge is mandatory of: principles applying to aircraft systems, flight theory, hydraulic principles, electrical theory, principles, concepts, and application of maintenance directives and data reporting, using technical data, technical order use. Air Force supply and procedures, and proper handling, use, and disposal of hazardous waste and materials.

**2.1.1.2. Education.** For entry into this specialty completion of high school or equivalent is mandatory. Completion of related vocational courses is highly desirable.

**2.1.1.3. Training.** For award of AFSC 2A333E/L/M, completion of a suffix specific basic aircraft maintenance course, as applicable is mandatory.

**2.1.1.4. Experience.** There is no experience necessary for entry into AFSC 2A333E/L/M.

**2.1.1.5. Other.** For entry into this specialty normal color vision as defined in AFI 48-123, *Medical Examination and Standards* is required. See Attachment 4 of the AFECD for additional entry requirements. Must maintain local network access IAW AFI 17-130, *Cybersecurity* and AFMAN 17-1301, *Computer Security*. Specialty requires routine access to Secret material or similar environment. For award and retention of AFSC 2A3X3, completion of a current National Agency Check, Local Agency Checks and Credit (NACLIC) according to DODMAN5200.02\_AFMAN16-1405, *Personnel Security Program Management*.

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

**2.1.2. Training Sources.** Formal AETC initial skills courses provide the required knowledge and task proficiency training for award of the 3-skill level. Training includes common maintenance requirements (fundamentals), system theory and operation, system components, component removal and installation, introduction to maintenance concepts, general flight line maintenance practices, use of technical publications, maintenance documentation, and Aerospace Ground Equipment (AGE)/Support Equipment (SE) familiarization and use.

**2.1.3. Implementation.** Upon graduation from BMT, Airmen are assigned to the 82d Training Wing, 362d Training Squadron, to attend formal technical training appropriate to his or her end assignment and type aircraft. This training begins with fundamental maintenance training common to all aircraft maintenance apprentices within the specialty. This generic phase of training is followed by aircraft-specific maintenance training. Successful completion of formal technical training (listed in Part II, section D paragraph 2) results in the award of the 3-skill level.

## **2.2. Journeyman Level Training (5):**

**2.2.1. Specialty Qualification.** This information is derived from the official specialty description in the AFECD.

**2.2.1.1. Knowledge.** In addition to the 3-level qualifications, a 5-level must possess the knowledge and skills necessary to maintain aircraft systems and associated systems. An individual must be task qualified on aircraft inspections, servicing, ground handling, troubleshooting, component



removal/repair/installation, and system component operational checks. Journeymen perform operational checks, component repair, and use and maintenance of test and support equipment. Individuals can apply the proper handling, use, and disposal of hazardous waste and materials IAW federal and local environmental standards.

**2.2.1.2. Education:** There are no formal education requirements for upgrade to AFSC 2A353E/L/M. However, progress toward a CCAF Associate's Degree or equivalent is highly encouraged.

**2.2.1.3. Training:** Completion of appropriate Core Tasks specified in the STS is mandatory.

**2.2.1.4. Experience.** Qualification in and possession of AFSC 2A333 with appropriate shred is required. Completion of the specified STS Core Tasks is required, as well as duty position requirements identified by the supervisor.

**2.2.1.5. Other.** For entry into this specialty normal color vision as defined in AFI 48-123, *Medical Examination and Standards* is required. See Attachment 4 of the AFECD for additional entry requirements. Must maintain local network access IAW AFI 17-130, *Cybersecurity* and AFMAN 17-1301, *Computer Security*. Specialty requires routine access to Secret material or similar environment. For award and retention of AFSC 2A3X3, completion of a current National Agency Check, Local Agency Checks and Credit (NACLC) according to DODMAN5200.02\_AFMAN16-1405, *Personnel Security Program Management*.

**2.2.3. Implementation.** The units utilizing this STS and exportable courses perform training to the 5-level. Upgrade to the 5-level requires completion of appropriate 5-level Core Tasks as identified in the STS for one MDS.

**2.2.4. Supervisor/Training Manager Input.** Utilize Table 5.2 *Base/Unit Education and Training Manager Checklist* as applicable to facilitate upgrade actions.

### **2.3. Craftsman Level Training (7):**

**2.3.1. Specialty Qualification.** This information is derived from the official specialty description in the AFECD.

**2.3.1.1. Knowledge.** In addition to the 5-level qualifications, an individual must possess advanced skills and knowledge of theory, concepts, and principles of aircraft maintenance. The 7-level must be able to supervise and train personnel to maintain 2A3X3E/L/M systems. They must be able to plan, schedule, and organize maintenance to ensure effective utilization of available resources. Qualification is required on advanced repair, inspection, troubleshooting, and diagnostic techniques. Historical documentation analysis is also required for all 7-levels.

**2.3.1.2. Education.** There are no additional education requirements beyond those defined for the apprentice level. However, progress toward a CCAF Associate's Degree or equivalent is highly encouraged.

**2.3.1.3. Training.** Completion of appropriate Core Tasks specified in the STS is mandatory.

**2.3.1.4. Experience.** Completion of appropriate 7-level Core Tasks as identified in the STS for one MDS, and qualification in and possession of AFSC 2A353E/L/M, as well as duty position requirements identified by the supervisor.

**2.3.1.5. Other.** For entry into this specialty normal color vision as defined in AFI 48-123, *Medical Examination and Standards* is required. See Attachment 4 of the AFECD for additional entry requirements. Must maintain local network access IAW AFI 17-130, *Cybersecurity* and AFMAN 17-1301, *Computer Security*. Specialty requires routine access to Secret material or similar environment. For award and retention of AFSC 2A3X3, completion of a current National Agency Check, Local Agency Checks and Credit (NACLC) according to DODMAN5200.02\_AFMAN16-1405, *Personnel Security Program Management*.

**2.3.2. Training Sources.** Seven-level upgrade training will be completed and conducted by certified trainers using AF Core Tasks and unit/MAJCOM specific courses.

**2.3.3. Supervisor/Training Manager Input.** Utilize Table 5.2 *Base/Unit Education and Training Manager Checklist* as applicable to facilitate upgrade actions.

**2.3.4. Implementation.** Units utilize the STS to perform training to the 7-level. Upgrade to the 7-level requires completion of all Core Tasks as identified in the STS for one MDS, and promotion to SSgt.

## **2.4. Superintendent Level Training (9):**

**2.4.1. Specialty Qualification.** This information is derived from official specialty description in the AFECD.

**2.4.1.1. Knowledge.** Knowledge is mandatory of: electrical and mechanical principles applying to aircraft and SE; concepts and application of maintenance directives; maintenance data reporting; interpreting and use of maintenance data reports and technical orders; Air Force supply procedures; resource management; and proper handling, use, and disposal of hazardous waste and materials.

**2.4.1.2. Education.** Not used.

**2.4.1.3. Training.** Not used.

**2.4.1.4. Experience.** For award of AFSC 2A390, qualification in and possession of AFSC 2A373, 2A374, 2A375, 2A377, 2A378 is mandatory. Experience is mandatory in the following areas: the management of maintenance efforts on aircraft and aircraft systems; evaluating maintenance, interpreting and resolving technical problems; analyzing system and component failures and inspection results; and the management and projection of funds to support maintenance efforts.

**2.4.1.5. Other.** For award and retention of these AFSCs: Must maintain local network access IAW AFI 17-130, *Cybersecurity* and AFMAN 17-1301, *Computer Security*. Specialty requires routine access to Secret material or similar environment. For award and retention of AFSCs 2A300/2A390, completion

of a current National Agency Check, Local Agency Checks and Credit (NACLC) according to DODMAN5200.02\_AFMAN16-1405, *Personnel Security Program Management*.

**2.4.2. Training Sources.** No formal training is required. Qualification training and experience inherent in career specialty job performance are desired sources of training.

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

#### ***SECTION D - RESOURCE CONSTRAINTS***

*There are no resource constraints identified for training in this AFSC.*

#### ***SECTION E - TRANSITIONAL TRAINING GUIDE***

*There is currently no transition training requirement. This area is reserved.*

## **PART II**

### ***SECTION A – SPECIALTY TRAINING STANDARD***

**1. Implementation.** These STS attachments will be used for technical training provided by AETC for classes beginning after 1 April 2021.

**2. Purpose.** As prescribed in AFI 36-2670, this STS:

**2.1.** *Column 1 (Task, Knowledge, and Technical Reference)* lists 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.** *Column 2 (Core Tasks)* identifies, by either 5 or 7, specialty-wide training requirements. Core Tasks identified with a 5R or 7R are optional for the AFRC Traditional Reservist (TR) and the ANG Drill Status Guardsman (DSG): for full-time members, Core Tasks are required. As a minimum, certification on all AFCFM directed Core Tasks applicable to the specialty must be completed for skill level upgrade. Exemptions:

**2.2.1.** Core Tasks that are not applicable to base assigned aircraft or equipment are not required for upgrade (units are not required to send personnel TDY for Core Task training).

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

**2.3.** *Column 3 (Certification for OJT)* provides certification for OJT and is used to record completion of tasks and knowledge training requirements. Use IMDS/G081 or electronic training records to document technician qualifications, if available. Task certification must show a certification or completed date.

**2.4.** *Column 4 (Proficiency Codes)* shows formal training and correspondence course requirements. Also 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.

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

**4. Job Qualification Standard.** The STS becomes a Job Qualification Standard (JQS) for OJT when placed in AF Form 623, *On-The-Job Training Record*, and used according to AFI 36-2670. For OJT, the tasks in column 1 are trained and qualified to the go/no go level. "Go" means the individual can perform the task without assistance and meets local requirements for accuracy, timeliness, and correct procedures. When used as a JQS, the following requirements apply:

**4.1. Documentation.** Document and certify completion of training IAW AFI 36-2650 and 36-2670. Units converted to electronic training records will use this system to document training. IMDS or G081 will continue to be used to document ancillary training and other training currently maintained in these data systems. Use of Part II and Attachments 1 and 2 of this CFETP are mandatory in individual training records where paper training records are the primary method of documenting training.

**4.1.1. Transcribing from Old CFETP to New CFETP.** All AFJQs and previous CFETPs are replaced by this CFETP; therefore, transcribing of all training records to this CFETP STS is mandatory. Use this CFETP STS (or automated STS) to identify and certify all past and current qualifications. Document and certify all previous and current training IAW AFI 36-2650 and AFI 36-2670.

**5. STS.** A guide for development of promotion tests used in the WAPS. SKTs are developed at the AETC Airman Advancement Division by Senior NCOs with extensive practical experience in their career fields. The tests sample knowledge of STS subject matter areas judged by test development team members as most appropriate for promotion to higher grades. Questions are based upon study references listed in the Enlisted Promotions References and Requirements Catalog. Individual responsibilities are in AFMAN 36-2664, *Personnel Assessment Program*. WAPS is not applicable to the Air National Guard or Air Force Reserve.

**6. Recommendations.** Report unsatisfactory performance of individual course graduates to the AETC training manager at 362 TRS, 613 10<sup>th</sup> Ave, Sheppard AFB TX, 76311-2352, DSN 736-6184, or the 82TRG Customer Service Information Line at DSN 736-5236 or e-mail: 82trgcsil@us.af.mil Please reference specific STS paragraphs.

## ***SECTION B - COURSE OBJECTIVE LIST (COL)***

**1. Introduction.** Each proficiency coded STS task or knowledge item taught at the technical school is measured through the use of an objective. An objective is a written instruction for the student so he or she knows what is expected of them to successfully complete training on each task. Each objective is comprised of a condition, behavior, and standard that states what is expected of the student for each task. The condition is the setting in which the training takes place (i.e. TOs, type of equipment, etc). The behavior is the observable portion of the objective (i.e. perform an operational check). The standard is the level of performance that is measured to ensure the STS proficiency code level is attained. AETC course objectives and associated information are published in the Plan of Instruction (POI) for each of the courses identified in Section D, below, *Training Course Index*.

**2. Measurement.** Each objective is indicated as follows: **W** indicates task or subject knowledge, which is measured using a written test. **PC** indicates required task performance, which is measured with a performance progress check. **PC/W** indicates separate measurement of both knowledge and performance elements using a written test and a performance progress check.

**3. Standard.** The minimum standard for written examinations is 70%. Standards for performance measurement are indicated in the objective and delineated on the individual progress check checklist. The checklist is used by the instructor to document each student's progress, on each task. Instructor assistance is provided as needed during the progress check, and students may be required to repeat all or

part of the behavior until satisfactory performance is attained. Students must satisfactorily complete all PCs prior to taking the written test.

**4. Proficiency Level.** Review column 4A of the STS to determine the proficiency level of a particular task or knowledge item. Review the course objective list to determine which STS item the objective supports. Review the proficiency code key in the STS Attachment 1 of this CFETP for an explanation of the proficiency codes. Most task performance is taught to the “2b” proficiency level which means the students can do most parts of the task, but does need assistance on the hardest parts of the task (partially proficient). The student can also determine step-by-step procedures for doing the task. For tasks that are taught to the “3c” proficiency level, students can do all parts of the task and only require a spot check on completed work (competent). The student can also identify why and when a task must be done and why each step is needed.

**5. Course Objectives List.** A detailed listing of initial skills or craftsman courses are listed in Section D tables 2.1 and 2.2 and a complete list of objectives may be obtained by submitting a written request to the identified course OPR in Section D, paragraph 1. Course descriptions can be found on line in the Education and Training Course Announcements (ETCA). The URL for ETCA is: <https://cs2.eis.af.mil/sites/app10-ETCA>.

### ***SECTION C - SUPPORT MATERIAL***

**1. Support Material.** Interactive Courseware (ICW) is available from the 367 TRS/TRSS at Hill AFB, Utah. Visit their web site at <https://367trss.hill.af.mil/Home/Index> to view available courses. Their customer service number is DSN 586-4014. To request ordering information on hardware, your MAJCOM training POC (for ACC, AMC, and ANG) is the first stop. For personnel in other MAJCOMs, contact them directly and they will provide you the information required for purchasing the item through them.

### ***SECTION D - TRAINING COURSE INDEX***

**1. Purpose.** This section of the CFETP identifies training courses available for the 2A3X3 specialty and shows how the courses are used by each MAJCOM in their career field training programs. For further information on the following courses, contact the OPR as indicated:

OPR: 362 TRS/TRR  
613 10th Avenue  
Sheppard AFB, TX 76311-2352  
DSN 736-6184

372 TRS/TRR  
917 Missile Rd, Suite 200  
Sheppard AFB, TX 76311-2852  
DSN 736-4794

For questions regarding training courses or STS content, contact the course training manager or the respective Training Group (TRG) Customer Service Information Line:

82 TRG: DSN 736-5236  
e-mail: 82trgcsil@us.af.mil

982 TRG: DSN 736-4687

## 2. Air Force In-resident Courses:

<b>Table 2.1 Enlisted Initials Skills Courses</b>					
<b>Course Number</b>	<b>Course Title</b>	<b>Location</b>	<b>OPR</b>	<b>USER</b>	<b>Course Length</b>
J3ABR2A333E000D/ J3AQR2A333E000D	Tactical Aircraft Maintenance Apprentice, A-10	Sheppard AFB, TX	362 TRS	USAF	67
J3ABR2A333E041D/ J3AQR2A333E041D	Tactical Aircraft Maintenance Apprentice, U-2 (STS attachment 2 only)	Sheppard AFB, TX	362 TRS	USAF	24
J3ABR2A333L025D/ J3AQR2A333L025D	Tactical Aircraft Maintenance Apprentice (F-15)	Sheppard AFB, TX	362 TRS	USAF	74
J3ABR2A333M026D/ J3AQR2A333M026D	Tactical Aircraft Maintenance Apprentice (F-16)	Sheppard AFB, TX	362 TRS	USAF	77

### Right Time Training

Right Time Training (RTT) is a new approach that focuses on providing new Airmen the right skill set, at the right time in their career, and at the right location for them to make immediate impact for mission execution. Upon completion of the RTT course, Airmen will be capable of completing targeted maintenance tasks to support daily sortie generation.

Under the RTT construct, Active Duty Airmen will be awarded their 3-level qualification in their respective AFSC prior to departing Sheppard AFB through a Type-3 course. After completion of this course, the Airmen will subsequently attend targeted weapons system training during a required Type-4 RTT course taught by the Field Training Detachment (FTD) at their first permanent duty location. Active Duty en-route Airmen, installations with low flow 3-level crew chiefs, and Airmen assigned where there are no FTDs located will attend Type-4 RTT courses at regionalized locations.

ANG and AFRC students will be awarded their 3-level qualification through a Type-4 FTD course at regionalized locations.

RTT tasks are selected by the Lead MAJCOM in coordination with using MAJCOMs and incorporated into a Type-4 FTD course for each weapons system. The course will be identified on each command's MAJCOM Mandatory Course Listing (MMCL), which are developed and approved per weapons system by MAJCOM Functional Managers (MFM). Once the MMCL requirements are established by the MFM, the FTD will train and qualify Airmen within each respective aircraft RTT course.

When available, the following courses are required for all Active Duty Airmen in their respective AFSC/Shred:

1. J4AMP2A333E000X, A-10 Tactical Aircraft Maintenance (Right Time Training)
2. J4AMP2A333E041X, U-2 Tactical Aircraft Maintenance (Right Time Training)
3. J4AMP2A333L025X, F-15 Tactical Aircraft Maintenance (Right Time Training)
4. J4AMP2A333M026X, F-16 Tactical Aircraft Maintenance (Right Time Training)

When available, the following courses are required for all ANG and AFRC in their respective AFSC:

1. J4ABP2A333E000X, A-10 Tactical Aircraft Maintenance (Right Time Training)
2. J4ABP2A333E041X, U-2 Tactical Aircraft Maintenance (Right Time Training)
3. J4ABP2A333L025X, F-15 Tactical Aircraft Maintenance (Right Time Training)
4. J4ABP2A333M026X, F-16 Tactical Aircraft Maintenance (Right Time Training)

Ultimately, the goal of Right Time Training is to provide the required skills needed for the operational environment. Each Airman will receive the right training applicable to their host's mission at the right time in their career, making them immediately impactful to daily sortie generation. Lastly, by eliminating dwell time between training and their first day on the job, Airmen will be more efficient at retaining learned skills and will prove more effective at mission execution.

FTD will sign off tasks in which the student reaches the required (3c) proficiency level identified by the Lead MAJCOM MFM. FTD retains the right to qualify/not qualify tasks in TBA based on the instructor's assessment of the student's ability to translate training received into performance in an operational environment. For those tasks trained to the required level, but the Airman does not meet the qualification condition, the FTD instructor will document a training start date in TBA or an AF Form 797 and add comments detailing why the qualification was not accomplished.

**NOTE:** For further information on the supplemental courses, contact the OPR as indicated.

OPR: 362 TRS/TRR

613 10th Avenue  
Sheppard AFB, TX 76311  
DSN 736-6184

372 TRS

917 Missile Rd, Suite 200  
Sheppard AFB, TX 76311  
DSN 736-4797

373 TRS

917 Missile Rd, Suite 200  
Sheppard AFB, TX 76311  
DSN 736-4750

Website: <https://cs2.eis.af.mil/sites/app10-ETCA>

<b>Table 2.2 Supplemental Courses</b>			
<b>Supplemental Course Number</b>	<b>Course Title</b>	<b>OPR</b>	<b>User</b>
J3AZR2AXXX 0W1B	Weight and Balance Practical	362 TRS	USAF
J7AZT2AXXX 0W1B	Weight and Balance Practical (MTT)	362 TRS	USAF
J3AAR2AXXX 048A	Crash Damaged, Disabled Aircraft Recovery	362 TRS	USAF

OPRs: 362 TRS/TRR

613 10th Avenue  
Sheppard AFB, TX 76311-2352



DSN 736-6184

### 3. Exportable Courses:

367 TRSS course information can be found on their web-site: <https://367trss.hill.af.mil/Home/Index>

The following course can be found on the ETCA website, available through AETC Advanced Distributed Learning Service (ADLS):

OPR: 362 TRS/TRR  
613 10th Avenue  
Sheppard AFB, TX 76311-2352  
DSN 736-6184

<b>Course Number</b>	<b>Course Title/Media</b>	<b>OPR</b>	<b>User</b>
J6ANW2AXXX 0W1A	Weight and Balance (General)	362 TRS	USAF

**4. Courses Under Development/Revision.** Courses currently under development are the Maintenance Functional Development, Quality Assurance Aircraft and Career Development Program courses.

### ***SECTION E - MAJCOM UNIQUE REQUIREMENTS***

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

BY ORDER OF THE SECRETARY OF THE AIR FORCE

OFFICIAL

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

### **6 STS Attachments**

1. Proficiency Code Key
2. Aircraft Maintenance Common Training Requirements
3. 2A3X3E, A-10 Qualitative Requirements
4. 2A3X3E, U-2 Qualitative Requirements
5. 2A3X3L, F-15 Qualitative Requirements
6. 2A3X3M, F-16 Qualitative Requirements

Name Of Trainee		
Printed Name ( <i>Last, First, Middle Initial</i> )	Initials (Written)	SSAN (last four only)
Printed Name Of Training/Certifying Official And Written Initials		
<i>NI</i>	<i>NI</i>	
<i>NI</i>	<i>NI</i>	
<i>NI</i>	<i>NI</i>	
<i>NI</i>	<i>NI</i>	
<i>NI</i>	<i>NI</i>	
<i>NI</i>	<i>NI</i>	
<i>NI</i>	<i>NI</i>	
<i>NI</i>	<i>NI</i>	
<i>NI</i>	<i>NI</i>	
<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.)

**Explanations:**

\* A task knowledge scale value may be used alone or with a task performance scale value to define a level of knowledge for a specific task. (Example: b and 1b)

\*\* A subject knowledge scale value is used alone to define a level of knowledge for a subject not directly related to any specific task, or for a subject common to several tasks.

- This mark is used alone instead of a scale value to show that no proficiency training is provided in the courses or CDCs.

/ This mark is used in course columns along with proficiency codes to show that training is required but not given due to limitations in resources (3c/b, 2b/b, 2b/- etc.).

**Note:** All tasks and knowledge items taught in the initial skills course are trained during war time.

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## AIRCRAFT MAINTENANCE COMMON TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3-lvl	5-lvl	7-lvl	9-lvl

NOTE 1: Users are responsible for annotating training references pending STS revision.

NOTE 2: All task/knowledge items taught in the initial skills course are trained during war time.

NOTE 3: Items in column 2 identified with a 5R or 7R are optional for the AFRC Traditional Reservist (TR) and the ANG Drill Status Guardsman (DSG); for full-time members, Core Tasks are required.

<b>A2.1. CAREER LADDER PROGRESSION</b> <b>TR: AFI 36-2101</b>													
A2.1.1 Progression in career ladder								A					
A2.1.2 Duties of AFS								A					
<b>A2.2. OPERATIONS SECURITY (OPSEC) VULNERABILITY OF AFSC</b> <b>TR: AFI 10-701</b>													
A2.2.1 Purpose of OPSEC								A					
<b>A2.3. AF CONSOLIDATED OCCUPATIONAL SAFETY INSTRUCTION</b> <b>TR: AFI 21-101, AFMANs 91-203 and 11-218; TOs 00-25-172, 1-1-691, and applicable aircraft TOs</b>													
A2.3.1 Housekeeping consistent with safety of personnel and equipment								A					
A2.3.2 Safety precautions pertaining to aircraft maintenance													
A2.3.2.1 Engine air intake and exhaust								A					
A2.3.2.2 High intensity sound								A					
A2.3.2.3 Turbine, propeller, and rotor plane of rotation								A					
A2.3.2.4 Radio frequency radiation								A					
A2.3.2.5 Ground handling of aircraft								A					
A2.3.2.6 Hot brakes								A					
A2.3.2.7 Use of tools and equipment								A					
A2.3.2.8 Servicing aircraft systems								A					
A2.3.2.9 Cleaning agents								A					
A2.3.2.10 Solvents								A					
A2.3.2.11 Lubricants								A					
A2.3.2.12 High pressure gasses								A					
A2.3.2.13 Aircraft explosive equipment								A					
A2.3.2.14 Composite materials								A					
A2.3.2.15 Maintenance resource management								-					
A2.3.2.16 Electrostatic hazards, static grounding and bonding TR: TOs 00-25-172 and 00-25-234								A					
A2.3.2.17 Purpose of fall protection/prevention								A					
A2.3.3. Portable ground fire extinguishers TR: AFI 32-2001; TO 00-25-172													

## AIRCRAFT MAINTENANCE COMMON TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course				
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D	
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3-lvl	5-lvl	7-lvl	9-lvl	
A2.3.3.1	Perform pre-use inspection	5							2b			
A2.3.3.2	Position								-			
A2.3.3.3	Operate								-			
A2.3.4	Aircraft Damage Prevention											
A2.3.4.1	Foreign Object Damage (FOD) prevention program								A			
A2.3.4.2	Dropped object prevention program								A			
A2.3.5.	Hazardous chemicals TR: AFI 90-821 and AFMAN 91-203											
A2.3.5.1	Use								A			
A2.3.5.2	Disposal								A			
A2.3.5.3	Hazard communication training program								-			
A2.3.5.4	Hazardous material handling procedures								A			
A2.3.6	AFTO Form 492, Mx Warning Tag TR: TO 00-20-1								A			
<b>A2.4.</b>	<b>MAINTENANCE DIRECTIVES, REFERENCES, &amp; INSTRUCTIONS</b> TR: AFI 33-360; TO 00-5 series as applicable											
A2.4.1	TO system								A			
A2.4.2	Air Force manuals and instructions								A			
A2.4.3	Use technical orders (except HH-60)								1b			
A2.4.4	TO improvement reporting								-			
A2.4.5	Technical order management								-			
<b>A2.5.</b>	<b>SUPERVISION</b> TR: AFI 21-101 and AFTTP 3-4.21V1											
A2.5.1	Plan work schedules								-			
A2.5.2	Schedule maintenance								-			
A2.5.3	Supervise personnel accomplishing maintenance								-			
A2.5.4.	Establish											
A2.5.4.1	Work methods								-			
A2.5.4.2	Work controls								-			
A2.5.4.3	Performance standards								-			
A2.5.5	Evaluate work performance of subordinate personnel								-			
<b>A2.6.</b>	<b>TRAINING</b> TR: AFIs 36-2650 and 36-2670											
A2.6.1	Evaluate personnel for training								-			
A2.6.2	Plan and supervise OJT								-			
A2.6.3	Counsel trainees on training								-			

## AIRCRAFT MAINTENANCE COMMON TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course				
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D	
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3-lvl	5-lvl	7-lvl	9-lvl	
progress												
A2.6.4 Prepare AF Form 797								-				
A2.6.5 Document training records								-				
A2.6.6 Purpose and use of Career Field Education and Training Plan (CFETP)								A				
<b>A2.7 MAINTENANCE MANAGEMENT TR: AFIs 21-101, 21-103 and 90-201; AFMAN 23-122</b>												
A2.7.1 Basic functions within maintenance								A				
A2.7.2 Resource management								-				
A2.7.3 Personnel management								-				
A2.7.4 Maintenance incident investigation and prevention								-				
A2.7.5 Determine and report aircraft status								-				
A2.7.6 Maintenance Performance Indicators (MPI) relationships								-				
<b>A2.8. MAINTENANCE DATA DOCUMENTATION (MDD) TR: AFI 21-101; TO 00-20 Series; Applicable aircraft –06 Work Unit Code Manuals; Integrated Maintenance Data System (IMDS) on-line help screens; G0-81 on-line help screens</b>												
A2.8.1 MDD Fundamentals								A				
A2.8.2. Aircraft and supporting maintenance records												
A2.8.2.1 Purpose								A				
A2.8.2.2 Automated Forms								A				
A2.8.2.3 Document AFTO Form 781H (except HH-60)								1b				
A2.8.2.4 Document AFTO Form 781A (except HH-60)								1b				
A2.8.2.5 Document AFTO Form 781J (except HH- 60)								1b				
A2.8.2.6 Document AFTO Form 781K (except HH-60)								1b				
A2.8.2.7 Document AFTO Form 781F (except HH- 60)								1b				
A2.8.2.8 Document other AFTO 781 series forms								-				
A2.8.2.9 Document AFTO Form 244/245								1b				
A2.8.2.10 Document AFTO Form 350 (except HH-60)								1b				
A2.8.2.11 Document AFTO Form 349								-				
A2.8.2.12 Document AFTO Form 95								-				
A2.8.3. Maintenance Information Systems (MIS)												

## AIRCRAFT MAINTENANCE COMMON TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3-lvl	5-lvl	7-lvl	9-lvl
A2.8.3. Purpose								A			
A2.8.3.2. Job data documentation (JDD)											
A2.8.3.2.1 Purpose								-			
A2.8.3.2.2 Access JDD								-			
A2.8.3.2.3 Create maintenance event								-			
A2.8.3.2.4 Defer maintenance event								-			
A2.8.3.2.5 Schedule maintenance event								-			
A2.8.3.2.6 Close maintenance event								-			
A2.8.3.2.7 Use IMDS								-			
A2.8.3.3. G0-81											
A2.8.3.3.1 Purpose								-			
A2.8.3.3.2 Access JDD								-			
A2.8.3.3.3 Create maintenance event								-			
A2.8.3.3.4 Defer maintenance event								-			
A2.8.3.3.5 Schedule maintenance event								-			
A2.8.3.3.6 Close maintenance event								-			
A2.8.3.3.7 Use G0-81								-			
A2.8.4 Historical records								-			
A2.8.5 Configuration management								-			
<b>A2.9. MAINTENANCE MATERIALS/TOOLS</b> <b>TR: AFI 21-101; TOs 1-1A-8, 1-1A-14, 1-1-691 and TO 32 series as applicable</b>											
A2.9.1 Tool control								A			
A2.9.2 Select and use special tools								-			
A2.9.3 Process Test, Measurement, and Diagnostic Equipment (TMDE)								-			
A2.9.4. Hardware											
A2.9.4.1 Purpose								A			
A2.9.4.2 Remove/inspect/install								2b			
A2.9.5. Electrical connectors											
A2.9.5.1 Purpose								A			
A2.9.5.2 Connect/disconnect								2b			
A2.9.6. Securing devices											
A2.9.6.1 Purpose								A			
A2.9.6.2 Install/remove safety wire								2b			
A2.9.6.3 Install/remove cotter pins								2b			
A2.9.6.4 Safety cable								A			

## AIRCRAFT MAINTENANCE COMMON TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course				
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D	
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3-lvl	5-lvl	7-lvl	9-lvl	
A2.9.7	Lubricants								A			
A2.9.8	Sealants								A			
A2.9.9	Adhesives								A			
A2.9.10	Cleaning agents								A			
A2.9.11.	Hand tools											
A2.9.11.1	Purpose								A			
A2.9.11.2	Select, inspect and use								2b			
A2.9.12.	Measuring tools											
A2.9.12.1	Purpose (to include Prevailing Torque)								A			
A2.9.12.2	Select and use ruler								2b			
A2.9.12.3	Select and use thickness gauge								2b			
A2.9.12.4	Use multi-meter								-			
A2.9.12.5	Select, inspect and use torque wrench (to include Prevailing Torque)								1b			
A2.9.12.6	Select and use micrometer								-			
A2.9.12.7	Use depth gauge								2b			
<b>A2.10.</b>	<b>RESPONSIBILITY FOR SUPPLY</b> <b>TR: AFI 21-101; AFMAN 23-122;</b> <b>TOs 00-20-3 and 00-35D-54</b>											
A2.10.1	Maintenance supply concept								A			
A2.10.2	Standard Base Supply System (SBSS)								-			
A2.10.3	Special requisition (GPC, local purchase)								-			
A2.10.4	Ordering parts								A			
A2.10.5	Priority system								A			
A2.10.6	Prepare repairable and serviceable parts for turn-in								-			
A2.10.7	Repair cycle assets								-			
A2.10.8	Due-in From Maintenance (DIFM) Control								A			
A2.10.9	Local manufacture of parts								-			
A2.10.10	Equipment account management								-			
A2.10.11	Deficiency reporting								-			
A2.10.12	Warranty programs								-			
A2.10.13	DD Forms 1574, 1575, 1576, 1577 and 1577-2 Condition Tags)								A			
A2.10.14	Classified asset handling								-			
<b>A2.11.</b>	<b>AIRCRAFT GENERAL</b> <b>TR: AFMAN 11-218; TOs 00-20-1, 00-25-172, 1-1-691, 1-1B-50 and applicable aircraft TOs</b>											



## AIRCRAFT MAINTENANCE COMMON TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3-lvl	5-lvl	7-lvl	9-lvl
A2.11.1	Weight and balance							A			
A2.11.2	Determine weight and balance requirements							-			
A2.11.3	Inventory aircraft equipment							-			
A2.11.4	Safe aircraft for maintenance							A			
A2.11.5.	Corrosion control program										
A2.11.5.1	Aircraft cleaning							A			
A2.11.5.2	Corrosion identification							A			
A2.11.5.3	Corrosion treatment							A			
A2.11.5.4	Aircraft lubrication							A			
A2.11.6.	Aircraft inspections										
A2.11.6.1	Concepts and types							A			
A2.11.6.2	Non-Destructive Inspections (NDI)							A			
A2.11.6.3	Borescope							A			
A2.11.7.	Fundamentals of ground handling										
A2.11.7.1	Jacking							A			
A2.11.7.2	Towing							A			
A2.11.7.3	Mooring							A			
A2.11.8	Aircraft marshalling signals	5						2b			
A2.11.9	Crash Damaged, or Disabled Aircraft Recovery (CDDAR)							A			
A2.11.10	Perform inclement/cold weather procedures TR: TO 42C-1-2S-2							-			
A2.11.11	De-ice aircraft: TR: TO 42C-1-2S-2, 14CFR121.629 section 121.629							-			
A2.11.12	Debrief aircrews							-			
A2.11.13.	Aircraft guarded switches										
A2.11.13.1	Design/function/proper identification							A			
A2.11.13.2	Remove and replace covers							-			
A2.11.13.3	Operational check							-			
A2.11.14	Aircraft Battle Damage Repair (ABDR) TR: 1-1H-39							-			
<b>A2.12.</b>	<b>AIRFRAME</b>										
A2.12.1	TR: <b>Applicable aircraft TOs</b> Structure							A			
A2.12.2	Remove/inspect/install panels							1b			
A2.12.3	Inspect structural components							-			
<b>A2.13.</b>	<b>LANDING GEAR (except HH-60)</b>										
A2.13.1	TR: <b>Applicable aircraft TOs</b> System fundamentals							A			

## AIRCRAFT MAINTENANCE COMMON TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3-lvl	5-lvl	7-lvl	9-lvl
A2.13.2. Service											
A2.13.2.1 Shock strut								1b			
A2.13.2.2 Tire								1b			
A2.13.3. Remove/install											
A2.13.3.1 Wheel and tire assembly								1b			
A2.13.3.2 Brake assembly								1b			
A2.13.4 Brake bleeding								A			
<b>A2.14. UTILITIES (except HH-60) TR: Applicable aircraft TOs</b>											
A2.14.1. System fundamentals											
A2.14.1.1 Oxygen								A			
A2.14.1.2 Bleed air								A			
A2.14.1.3 Pressurization								A			
A2.14.1.4 Air conditioning								A			
A2.14.1.5 Fire/overheat warning								A			
A2.14.1.6 Fire suppression								A			
<b>A2.15. FLIGHT CONTROLS TR: Applicable aircraft TOs</b>											
A2.15.1 Fundamentals of flight								A			
A2.15.2 Primary flight control fundamentals (except HH-60)								A			
A2.15.3 Secondary flight control fundamentals (except HH-60)								A			
A2.15.4 Component identification								A			
A2.15.5 Operate flight controls (except HH-60)								1a			
<b>A2.16. HYDRAULICS TR: TO 1-1A-8 and applicable aircraft TOs</b>											
A2.16.1 System fundamentals								A			
A2.16.1.1 Hydraulic schematics/diagrams								A			
A2.16.2. Remove/install components											
A2.16.2.1 Tubing/hoses								-			
A2.16.2.2 Fittings								-			
A2.16.2.3 Filter elements								-			
<b>A2.17. ENGINES TR: Applicable aircraft TOs</b>											
A2.17.1 System fundamentals								A			
A2.17.2 Component identification								A			
A2.17.3 Oil system servicing								A			
A2.17.4 Joint oil analysis program								-			
<b>A2.18. FUELS TR: AMAN 91-203; TOs 00-25-</b>											

## AIRCRAFT MAINTENANCE COMMON TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3-lvl	5-lvl	7-lvl	9-lvl
<b>172, 1-1-3 and applicable aircraft TOs, Applicable AFOSH standards</b>											
A2.18.1 System fundamentals								A			
A2.18.2 Classify fuel leaks								A			
<b>A2.19. ELECTRICAL TR: Applicable aircraft TOs</b>											
A2.19.1 AC electrical system fundamentals								A			
A2.19.2 DC electrical system fundamentals								A			
A2.19.3 Wire repair								-			
A2.19.4 Fiber optics								-			
A2.19.5 Electrical bonding								-			
A2.19.6 Databus								-			
A2.19.7 Electrical schematics / diagrams								A			
<b>A2.20. SUPPORT EQUIPMENT TR: AFMAN 91-203; TO 35A3 series as applicable, equipment TOs</b>											
A2.20.1 Maintenance stands											
A2.20.1.1 Purpose and description								A			
A2.20.1.2 Perform pre-use inspection and operate								2b			
A2.20.2. Self-propelled universal platforms											
A2.20.2.1 Purpose and description								-			
A2.20.2.2 Perform pre-use inspection and operate								-			
A2.20.3. Aircraft jacks TR: TO 35A2 series as applicable											
A2.20.3.1 Purpose and description								A			
A2.20.3.2 Perform pre-use inspection and operate								2b			
A2.20.4. Jacking manifold TR: TO 35A2 series as applicable											
A2.20.4.1 Purpose and description								-			
A2.20.4.2 Perform pre-use inspection and operate								-			
A2.20.5. Oxygen servicing equipment TR: TO 15X-1-1and 37C2-8 series as applicable											
A2.20.5.1. Liquid oxygen (LOX)											
A2.20.5.1.1 Purpose and description								A			
A2.20.5.1.2 Perform pre-use inspection and operate								-			
A2.20.5.2. Gaseous oxygen (GOX) (except HH-60)											
A2.20.5.2.1 Purpose and description								A			
A2.20.5.2.2 Perform pre-use inspection and operate								-			

## AIRCRAFT MAINTENANCE COMMON TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3-lvl	5-lvl	7-lvl	9-lvl
A2.20.6. Diesel air compressors TR: TO 34Y1 series as applicable											
A2.20.6.1 Purpose and description								A			
A2.20.6.2 Perform pre-use inspection and operate								-			
A2.20.7. Ground heaters TR: TO 35E7 series as applicable											
A2.20.7.1 Purpose and description								A			
A2.20.7.2 Perform pre-use inspection and operate								-			
A2.20.8. Lighting equipment TR: TO 35F5 series as applicable											
A2.20.8.1 Purpose and description								A			
A2.20.8.2 Perform pre-use inspection and operate								2b			
A2.20.9. Hydraulic test stand TR: TO 33A2 series as applicable											
A2.20.9.1 Purpose and description								A			
A2.20.10. Air conditioning units TR: TO 35E9 Series as applicable											
A2.20.10.1 Purpose and description								A			
A2.20.11. Ground generator sets/gas turbine compressors											
A2.20.11.1. A/M32A-60 gas turbine generator set/gas turbine compressor TR: TO 35C2 series as applicable (except HH-60)											
A2.20.11.1.1 Purpose and description								A			
A2.20.11.1.2 Perform pre-use inspection and operate								2b			
A2.20.11.2. A/M32A-95 gas turbine compressor (except HH-60) TR: TO 35D12series as applicable											
A2.20.11.2.1 Purpose and description								A			
A2.20.11.3. Diesel driven generator sets TR: TO 35C2 series as applicable											
A2.20.11.3.1 Purpose and description								A			
A2.20.11.3.2 Perform pre-use inspection and operate (except HH-60)								2b			
A2.20.12, Tow bar TR: Applicable aircraft TOs											
A2.20.12.1 Purpose and description								A			
A2.20.12.2 Connect/disconnect								-			
A2.20.13. Tow vehicles TR: TO 36A10 series as applicable											
A2.20.13.1 Purpose and description								A			
A2.20.13.2 Perform pre-use inspection and operate								-			
A2.20.14. Self-generating nitrogen equipment TR: TO 35D29-7-6-1											
A2.20.14.1 Purpose and description								A			

## AIRCRAFT MAINTENANCE COMMON TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course				
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D	
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3-lvl	5-lvl	7-lvl	9-lvl	
A2.20.14.2	Perform pre-use inspection and operate								2b			
A2.20.15.	Gaseous nitrogen servicing equipment TR: TO 35D3 series as applicable											
A2.20.15.1	Purpose and description							A				
A2.20.15.2	Perform pre-use inspection and operate							-				
A2.20.16.	Engine stands and dollies TR: TO 35D3 series as applicable											
A2.20.16.1	Purpose and description							A				
A2.20.16.2	Perform pre-use inspection and operate							-				

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## A-10 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3-lvl	5-lvl	7-lvl	9-lvl

NOTE 1: Use this attachment in conjunction with STS 2A3X3 attachment 2.  
 NOTE 2: All task/knowledge items taught in the initial skills course are trained during war time.  
 NOTE 3: Items in column 2 identified with an 5R or 7R are optional for the AFRC Traditional Reservist (TR) and the ANG Drill Status Guardsman (DSG); for full-time members, Core Tasks are required.

<b>A3.1. AIRCRAFT GENERAL</b>													
A3.1.1 Phased inspection concept									A				
A3.1.2 Types of special inspections									A				
A3.1.3 Perform safe aircraft for maintenance procedure	5								2b				
A3.1.4 Perform inspections TR: Applicable 1A-10( )-6 TOs													
A3.1.4.1 Phase									-				
A3.1.4.2 Preflight	5								-				
A3.1.4.3 Thruflight	5								-				
A3.1.4.4 Basic postflight	5								-				
A3.1.4.5 Combined preflight/postflight	5								2b				
A3.1.4.6 Launch aircraft	5								-				
A3.1.4.7 Recover aircraft	5								-				
A3.1.4.8 End of runway	5								-				
A3.1.4.9. Perform special inspections													
A3.1.4.9.1 Gun bay	7								-				
A3.1.4.9.2 Acceptance									-				
A3.1.4.9.3 Over-G									-				
A3.1.4.9.4 Engine bay	7								-				
A3.1.5. Perform ground handling TR: AFMANs 11-218 and 91-203; TO 00-25-172													
A3.1.5.1. Tow aircraft TR: TO 1A-10( )-2-4JG-1													
A3.1.5.1.1 Perform tow team member duties	5								-				
A3.1.5.1.2 Perform tow team supervisor duties	7								-				
A3.1.5.1.3 Perform tow vehicle operator duties									-				
A3.1.5.2 Moor aircraft									a				
A3.1.5.3. Jack and level aircraft TR: TO 1A-10( )-2-4JG-1													
A3.1.5.3.1 Perform jacking team member duties	5								2b				
A3.1.5.3.2 Perform jacking team supervisor duties	7								-				
A3.1.5.3.3 Perform axle jacking duties	5								2b				
A3.1.5.4 Wash aircraft TR: TO 1A-10( )-23 and 1-1-691									-				
A3.1.5.5 Lubricate aircraft TR: TO 1A-10( )-6WC-7									1b				
A3.1.5.6 Assist in weight and balance									-				

## A-10 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3-lvl	5-lvl	7-lvl	9-lvl
TR: TO 1-1B-50											
A3.1.6. A-10 technical orders TR: TO 1A-10(-)-01											
A3.1.6.1 Use technical orders	5							2b			
A3.1.6.2 Use Illustrated Parts Breakdown (IPB)	5							2b			
A3.1.7. Aircraft and supporting maintenance records TR: TO 00-20-1											
A3.1.7.1 Document AFTO Form 781H	5							2b			
A3.1.7.2 Document AFTO Form 781A	5							2b			
A3.1.7.3 Document AFTO Form 781J	5							2b			
A3.1.7.4 Document AFTO Form 781K	5							2b			
A3.1.7.5 Document DD Form 2026	5							2b			
<b>A3.2. AIRFRAME</b> <b>TR: 1A-10(-)-2 series TOs</b>											
A3.2.1 Components and construction								A			
A3.2.2. Remove/install, open/close airframe components											
A3.2.2.1 Stress panels	5							2b			
A3.2.2.2 Doors	5							2b			
A3.2.2.3 Variable ballast								2b			
A3.2.2.4 Fixed ballast								-			
A3.2.2.5 Outer nacelle doors	5							2b			
A3.2.2.6 Inner shrouds	5							2b			
A3.2.2.7 Cargo pods								-			
A3.2.3. Windscreen											
A3.2.3.1 Raise/lower	5							2b			
A3.2.3.2. Remove/install											
A3.2.3.2.1 Windscreen assembly								-			
A3.2.3.2.2 Left/right transparency								-			
A3.2.3.2.3 Center glass								-			
<b>A3.3. LANDING GEAR SYSTEMS</b> <b>TR: Applicable -2 TOs</b>											
A3.3.1 Components and operation								A			
A3.3.2. Perform operational checks / bleed											
A3.3.2.1 Landing gear ground safety circuit								-			
A3.3.2.2 Landing gear retraction for control system								-			
A3.3.2.3 Landing gear retraction for flight safety circuit	7							-			
A3.3.2.4 Steering system								-			
A3.3.2.5 Anti-skid system								-			



## A-10 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course				
	Core/Cert ^	Deployment 5 / SEL +	A	B	C	D	E	A	B	C	D	
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3-lvl	5-lvl	7-lvl	9-lvl	
A3.3.2.6	Auxiliary extension system								2b			
A3.3.2.7	Brakes	5							1b			
A3.3.2.8	Drag strut actuators								-			
A3.3.2.9	Emergency brake system	5							2b			
A3.3.3.	Landing gear struts TR: TO 1A-10( )-2-12JG-1											
A3.3.3.1	Perform initial servicing								-			
A3.3.3.2	Perform alternate initial servicing	5							-			
A3.3.3.3	Perform MLG shock strut servicing	5							2b			
A3.3.4	Service tires	5							-			
A3.3.5.	Remove/install landing gear components											
A3.3.5.1	Nose wheel and tire assembly	5							2b			
A3.3.5.2	Main wheel and tire assembly	5							2b			
A3.3.5.3	Dual brake control valve								-			
A3.3.5.4	Rig dual brake control valve								-			
A3.3.5.5	Brake assembly	5							2b			
A3.3.5.6	NLG strut								-			
A3.3.5.7	MLG strut								-			
A3.3.5.8	Steering unit								-			
A3.3.5.9	Drag strut actuator								-			
A3.3.5.10	Emergency selector valve								-			
A3.3.5.11	Brake shuttle valve	5							-			
A3.3.5.12	Uplock actuators								-			
A3.3.6	Determine serviceability of aircraft tires TR: 4T-1-3	5							2b			
A3.3.7	Repack landing gear struts								-			
A3.3.8	Troubleshoot								-			
A3.3.9.	Perform wheel and tire assembly build-up and tear-down TR: TO 4W-1-61, 4W1-4-1053, and 4W3-4-1052											
A3.3.9.1	Main wheel								-			
A3.3.9.2	Nose wheel								-			
<b>A3.4.</b>	<b>UTILITY SYSTEM</b> <b>TR: TO 1A-10( )-2-21JG-8</b>											
A3.4.1	Components and operation								A			
A3.4.2.	Oxygen system TR: TOs 00-25-172 and 37C2-8											
A3.4.2.1	Service	5							-			
A3.4.2.2	Remove/inspect/install Liquid Oxygen (LOX) converter	5							2b			

## A-10 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course				
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D	
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3-lvl	5-lvl	7-lvl	9-lvl	
A3.4.2.3	Drain								-			
A3.4.3	Perform windshield wash servicing								-			
<b>A3.5.</b>	<b>FLIGHT CONTROL SYSTEM TR: TO 1A-10()-2-27JG series TOs</b>											
A3.5.1	Components and operation								B			
A3.5.2.	Perform operational checks											
A3.5.2.1	Aileron								-			
A3.5.2.2	Elevators								-			
A3.5.2.3	Flaps								-			
A3.5.2.4	Speed brake								-			
A3.5.2.5	Slats								-			
A3.5.2.6	Rudders								-			
A3.5.2.7	Manual reversion								-			
A3.5.3.	Remove/install											
A3.5.3.1	Rudder								-			
A3.5.3.2	Rudder actuator								-			
A3.5.3.3.	Elevators											
A3.5.3.3.1	Elevator								-			
A3.5.3.3.2	Trim tabs								-			
A3.5.3.3.3	Trim tab actuator								-			
A3.5.3.3.4	Actuator								-			
A3.5.3.4.	Decelerons											
A3.5.3.4.1	Deceleron								-			
A3.5.3.4.2	Speedbrake boards								-			
A3.5.3.4.3	Aileron servo tabs								-			
A3.5.3.4.4	Roll tab shifter								-			
A3.5.3.4.5	Roll trim actuator								-			
A3.5.3.4.6	Aileron actuator								-			
A3.5.3.4.7	Speedbrake actuator								-			
A3.5.3.4.8	Speedbrake swivels								-			
A3.5.3.5.	Slats											
A3.5.3.5.1	Slats								-			
A3.5.3.5.2	Actuator								-			
A3.5.3.5.3	Bell cranks								-			
A3.5.3.5.4	Control valve								-			
A3.5.3.5.5	Idler arms								-			
A3.5.3.6.	Flaps											

## A-10 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course				
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D	
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3-lvl	5-lvl	7-lvl	9-lvl	
A3.5.3.6.1	Flaps								-			
A3.5.3.6.2	Actuator								-			
A3.5.3.6.3	Actuator control valve								-			
A3.5.3.7	Flight control disconnecter								-			
A3.5.3.8	Flight control bell crank assembly								-			
A3.5.3.9	Flight control cables								-			
A3.5.4.	Rig flight control systems											
A3.5.4.1	Primary								-			
A3.5.4.2	Secondary								-			
A3.5.5.	Troubleshoot flight control systems											
A3.5.5.1	Primary								-			
A3.5.5.2	Secondary								-			
<b>A3.6.</b>	<b>HYDRAULIC SYSTEM</b>											
	<b>TR: TOs 1A-10(-)-2-12 and -29JG-1</b>											
A3.6.1	Components and operation								A			
A3.6.2.	Service											
A3.6.2.1	Accumulators	5							2b			
A3.6.2.2	Reservoir	5							2b			
A3.6.3	Bleed	7							-			
A3.6.4	Drain hydraulic reservoir								-			
A3.6.5	Flush								-			
A3.6.6	Fluid sampling								-			
A3.6.7.	Remove/install											
A3.6.7.1	Accumulators								-			
A3.6.7.2	Lines								-			
A3.6.7.3	Filters								-			
A3.6.7.4	Reservoir								-			
A3.6.8	Troubleshoot								-			
<b>A3.7.</b>	<b>ENGINE SYSTEM</b>											
	<b>TR: 1A-10(-)-2-71JG series TOs</b>											
A3.7.1	Components and operation								A			
A3.7.2.	Remove/install											
A3.7.2.1	Air turbine starter								-			
A3.7.2.2	Fuel pump								-			
A3.7.2.3	Integrated Drive Generator (IDG)								-			
A3.7.2.4	Hydraulic pump								-			
A3.7.2.5	Engine								-			
A3.7.2.6	Throttle quadrants								-			

## A-10 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course				
	Core/Cert ^	Deployment 5 / SEL +	A	B	C	D	E	A	B	C	D	
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3-lvl	5-lvl	7-lvl	9-lvl	
A3.7.2.7	Throttle cables								-			
A3.7.2.8	Spinner domes								-			
A3.7.2.9	Expansion ring								-			
A3.7.2.10	Aft shroud								-			
A3.7.3	Perform 125 hour engine inspection TR: TO 1A-10()-6	7							-			
A3.7.4	Rig throttle								-			
A3.7.5	Take oil sample TR: TO 1A-10()-2-12JG-1	5							2b			
A3.7.6.	Service											
A3.7.6.1	Oil system	5							2b			
A3.7.6.2	IDG	5							-			
A3.7.6.3	Air turbine starter	5							-			
A3.7.7.	Drain											
A3.7.7.1	Oil system								-			
A3.7.7.2	IDG								-			
A3.7.8	Perform engine water wash								-			
A3.7.9	Use borescope equipment								-			
A3.7.10.	Turbine Engine Monitoring System (TEMS) TR: 1A-10()-2-37JG series TOs											
A3.7.10.1	Components and operation								A			
A3.7.10.2	Remove/install components								-			
A3.7.11.	Auxiliary Power Unit (APU) TR: TO 1A-10()-2-12JG-1 and 1A-10()-2-71JG series TOs											
A3.7.11.1	Components and operation								A			
A3.7.11.2	Service APU	5							2b			
A3.7.11.3.	Remove/install											
A3.7.11.3.1	APU								-			
A3.7.11.3.2	Generator								-			
A3.7.11.3.3	Fuel control								-			
A3.7.11.3.4	Hydraulic pump								-			
A3.7.11.3.5	APU control box								-			
A3.7.11.3.6	Starter								-			
A3.7.11.3.7	Filters								-			
A3.7.12	Troubleshoot								-			
<b>A3.8.</b>	<b>FUEL SYSTEM</b> <b>TR: 1A-10()-2-12 and -28 series TOs</b>											
A3.8.1.	Components and operation											

## A-10 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3-lvl	5-lvl	7-lvl	9-lvl
A3.8.1.1	Internal							A			
A3.8.1.2	External							A			
A3.8.2	Refuel aircraft	5						2b			
A3.8.3.	Defuel aircraft										
A3.8.3.1	Perform team member duties	5						-			
A3.8.3.2	Perform team supervisor duties	7						-			
A3.8.4	Remove/install external fuel tanks	5						-			
A3.8.5	Perform leak and transfer check	5						-			
A3.8.6.	Universal Aerial Refueling Receptacle Slipway Installation (UARRSI)										
A3.8.6.1	System components and operation							A			
<b>A3.9.</b>	<b>ELECTRICAL SYSTEM</b> <b>TR: TO 1A-10(-)2-24JG series</b>										
A3.9.1	Components and operation							A			
A3.9.2.	Remove/install										
A3.9.2.1	Exterior light lenses							-			
A3.9.2.2	Interior light lenses							-			
A3.9.2.3	Exterior light bulbs							-			
A3.9.2.4	Interior light bulbs							-			
A3.9.2.5	Battery	5						2b			
A3.9.3	Apply external electrical power	5						2b			
<b>A3.10.</b>	<b>EGRESS SYSTEM</b> <b>TR: TOs 1A-10(-)2-4-1 and -51JG-1</b>										
A3.10.1	Components and operation							A			
A3.10.2	Perform cockpit entry procedures	5						2b			
A3.10.3.	Operate canopy system										
A3.10.3.1	Perform normal canopy operation	5						2b			
A3.10.3.2	Perform manual canopy operation	5						2b			
A3.10.4	Perform seat operation							2b			
A3.10.5.	Remove/install										
A3.10.5.1	Canopy							-			
A3.10.5.2	Actuator							-			
A3.10.6	Rig canopy							-			
<b>A3.11.</b>	<b>SUPPORT EQUIPMENT</b> <b>TR: AFMAN 91-203; applicable equipment TOs</b>										
A3.11.1.	Perform pre-use inspection and operate										
A3.11.1.1	Hydraulic test stand TR: TO 33A2- series as applicable	5						2b			
A3.11.1.2	Oil servicing carts TR: TO 35A17- series as applicable	5						2b			

## A-10 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3-lvl	5-lvl	7-lvl	9-lvl
A3.11.1.3 Hydraulic servicing carts TR: TO 35D29 series as applicable	5							2b			
A3.11.1.4 Engine removal/installation trailer TR: TO 35D3 series								-			
A3.11.1.5 LOX servicing equipment TR: TO 37C2-8	5							-			
A3.11.1.6 Engine hoist and beams TR: TO 35D4-2-67-1								-			

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## U-2 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3-lvl	5-lvl	7-lvl	9-lvl

NOTE 1: Use this attachment in conjunction with STS 2A3X3 attachment 2.

NOTE 2: All task/knowledge items taught in the initial skills course are trained during war time.

NOTE 3: Items in column 2 identified with an 5R or 7R are optional for the AFRC Traditional Reservist (TR) and the ANG Drill Status Guardsman (DSG); for full-time members, Core Tasks are required.

<b>A4.1. AIRCRAFT GENERAL</b>												
A4.1.1. Use technical data								-				
A4.1.1.1. Technical manuals	5							-				
A4.1.1.2. Illustrated parts breakdown								-				
A4.1.1.3. Interpret aircraft blueprints								-				
A4.1.1.4. Interpret aperture cards								-				
A4.1.1.5. Interpret Spare Parts and AGE Application Data Listing (SPAADL)								-				
A4.1.1.6. Interpret factory manuals								-				
A4.1.2. Aircraft and supporting maintenance records								-				
A4.1.2.1. Document AFTO Form 781H	5							-				
A4.1.2.2. Document AFTO Form 781A	5							-				
A4.1.2.3. Document AFTO Form 781F								-				
A4.1.2.4. Document AFTO Form 781J	5							-				
A4.1.2.5. Document AFTO Form 781K	5							-				
A4.1.2.6. Document DD Form 2026	5							-				
A4.1.3. Periodic inspection concept and inspections TR: TO 00-20-1; TMs 1U-2S-6WC-1PRPO and 1U-2S-6								-				
A4.1.3.1. Periodic inspection concept								-				
A4.1.3.2. Perform inspections								-				
A4.1.3.2.1. Periodic								-				
A4.1.3.2.2. Preflight	5							-				
A4.1.3.2.3. Thruflight	5							-				
A4.1.3.2.4. Basic postflight (BPO)	5							-				
A4.1.3.2.5. Combine BPO/pre-flight	5							-				
A4.1.3.2.6. Hourly postflight								-				
A4.1.3.2.7. Pre-launch inspection								-				
A4.1.3.2.8. Pogo runway								-				
A4.1.3.2.8.1. Team supervisor	7							-				
A4.1.3.2.8.2. Team member	5							-				
A4.1.3.2.9. Special inspections								-				
A4.1.3.2.9.1. Hard/abnormal landing								-				
A4.1.3.2.9.2. Airframe overspeed								-				



## U-2 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3-lvl	5-lvl	7-lvl	9-lvl
A4.1.3.2.9.3 Engine bay	7							-			
A4.1.3.2.9.4 Aft section	7							-			
A4.1.3.2.9.5 Acceptance								-			
A4.1.3.2.9.6 Calendar								-			
A4.1.4. Perform ground handling TR: AFMANs 11-218 and 91-203; TO 00-25-172; TM 1U-2S-2-1								-			
A4.1.4.1 Launch aircraft	5							-			
A4.1.4.2 Recover aircraft	5							-			
A4.1.4.3 Wing riding member								-			
A4.1.4.4 Wing riding supervisor	7							-			
A4.1.4.5 Hand launch member								-			
A4.1.4.6 Hand launch supervisor	7							-			
A4.1.4.7 Aircraft push-back member								-			
A4.1.4.8 Aircraft push-back supervisor								-			
A4.1.4.9 Remove/install ground cooling kit								-			
A4.1.4.10. Tow aircraft								-			
A4.1.4.10.1 Tow team member	5							-			
A4.1.4.10.2 Tow vehicle operator								-			
A4.1.4.10.3 Tow team supervisor	7							-			
A4.1.4.11 Moor aircraft	5							-			
A4.1.4.12 Perform aircraft inclement weather procedures TR: TM 1U-2S-2-1								-			
A4.1.4.13 Level aircraft								-			
A4.1.4.14. Jack aircraft								-			
A4.1.4.14.1 Main landing gear								-			
A4.1.4.14.2 Tail landing gear								-			
A4.1.4.15. Cart aircraft								-			
A4.1.4.15.1 RG130 cart team member	5							-			
A4.1.4.15.2 RG130 cart team supervisor	7							-			
A4.1.4.16. Upload and download ballast								-			
A4.1.4.16.1 RG1124 ballast								-			
A4.1.4.16.2 RG1125 ballast								-			
A4.1.4.16.3 RG105 Q-Bay ballast								-			
A4.1.4.17 Safe aircraft for maintenance	5							-			
A4.1.4.18 Wash aircraft								-			
A4.1.4.19 Lubricate aircraft								-			
A4.1.5. Aircraft weight and balance TR: TO 1-1B-50, TM 1U-2S-5								-			

## U-2 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course				
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D	
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3-lvl	5-lvl	7-lvl	9-lvl	
A4.1.5.1	Complete course J6ANW2AXXX 0W1A	7							-			
A4.1.5.2	Compute weight and balance	7							-			
A4.1.5.3	Verify weight and balance	7							-			
A4.1.6	Perform electrical bonding								-			
<b>A4.2.</b>	<b>AIRFRAME</b> <b>TR: TMs 1U-2S-2-1, -2, and -12, 1U-2S-6WC-1EB</b>								-			
A4.2.1	Components and construction								-			
A4.2.2	Cadmium precautions								-			
A4.2.3.	Remove/install								-			
A4.2.3.1	Nose (RX69-10)								-			
A4.2.3.2	Doors and fairings	5							-			
A4.2.3.3	Hatches	5							-			
A4.2.3.4	Access panels	5							-			
A4.2.3.5	Aft section								-			
A4.2.3.6	Superpods								-			
A4.2.3.7	Gust locks								-			
A4.2.3.8	Pilot's relief tank								-			
A4.2.3.9	Pogo socket								-			
A4.2.4.	Open/close								-			
A4.2.4.1	Doors	5							-			
A4.2.4.2	Wing folds								-			
A4.2.4.3	Canopy	5							-			
A4.2.5	Rig E-bay/Q-bay latch mechanisms								-			
A4.2.6.	Remove/install flight control, landing gear, & throttle system general TR: Applicable -2 series TM								-			
A4.2.6.1	Control rods (torque tubes and push pull rods)								-			
A4.2.6.2	Bellcranks and sectors								-			
A4.2.6.3	Pulley assemblies								-			
A4.2.6.4	Fairleads and pressure seals								-			
A4.2.6.5	Control cables								-			
A4.2.7.	Windscreen and canopy systems TR: TMs 1U-2S-2-2 and 1U-2ST-2								-			
A4.2.7.1	Determine damage limitations on transparent panels								-			
A4.2.7.2	Rig and adjust canopy hinge release mechanism								-			
A4.2.7.3	Rig and adjust canopy latch release mechanism								-			
A4.2.7.4	Rig and adjust canopy jettison pivot release mechanism								-			

## U-2 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course				
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D	
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3-lvl	5-lvl	7-lvl	9-lvl	
A4.2.7.5	Remove/inspect/install U-2S windscreen assembly								-			
A4.2.7.6	Remove/inspect/install U-2ST aft windscreen assembly								-			
A4.2.7.7	Remove/inspect/install canopy								-			
<b>A4.3.</b>	<b>LANDING GEAR SYSTEMS</b> <b>TR: TMs U-2S-2-1, 1U-2S-2-3, RL 114, and 4T-1-3</b>								-			
A4.3.1	Components and system operation								-			
A4.3.2.	Operate landing gear								-			
A4.3.2.1	Position A (ground)								-			
A4.3.2.2	Position B (cockpit)								-			
A4.3.3	Perform normal landing gear operational check								-			
A4.3.4	Perform emergency manual landing gear operational check								-			
A4.3.5	Perform tail landing gear steering operational check								-			
A4.3.6	Connect tail landing gear scissor								-			
A4.3.7.	Service								-			
A4.3.7.1	Landing gear struts	5							-			
A4.3.7.2	Tires TR: TM 1U-2S-2-1	5							-			
A4.3.8.	Remove/install								-			
A4.3.8.1.	Wheel and tire assemblies								-			
A4.3.8.1.1	Main landing gear	5							-			
A4.3.8.1.2	Tail landing gear	5							-			
A4.3.8.2	Main landing gear shock strut								-			
A4.3.8.3	Main landing gear doors								-			
A4.3.8.4	Main landing gear drag strut								-			
A4.3.8.5	Main landing gear uplock assembly								-			
A4.3.8.6	Tail landing gear shock strut								-			
A4.3.8.7	Tail landing gear doors								-			
A4.3.8.8	Tail landing gear actuator								-			
A4.3.8.9	Tail landing gear drag rod and retracting crank								-			
A4.3.8.10	Tail landing gear axle								-			
A4.3.8.11	Brake assemblies								-			
A4.3.8.12	Pogos	5							-			
A4.3.8.13	Wing tip skid pad								-			
A4.3.8.14	Main landing gear actuator								-			
A4.3.9.	Repack								-			
A4.3.9.1	Main landing gear shock strut								-			

## U-2 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course				
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D	
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3-lvl	5-lvl	7-lvl	9-lvl	
A4.3.9.2	Tail landing gear shock strut								-			
A4.3.10	Bleed brake system								-			
A4.3.11	Determine serviceability of aircraft tires TR: TO 4T-1-3; TM 1U-2S-2-3	5							-			
A4.3.12.	Rig and adjust								-			
A4.3.12.1	Main landing gear actuator								-			
A4.3.12.2	Tail landing gear actuator								-			
A4.3.12.3	Emergency/manual landing gear release system								-			
A4.3.12.4	Main landing gear doors								-			
A4.3.12.5	Tail landing gear steering system								-			
A4.3.12.6	Tail landing gear doors								-			
A4.3.13	Troubleshoot								-			
<b>A4.4.</b>	<b>UTILITY SYSTEMS</b> <b>TR: TMs 1U-2S-2-6 and 1U-2S-2-4</b>								-			
A4.4.1	Components and system operation								-			
A4.4.2.	Operate								-			
A4.4.2.1	Accelerometer								-			
A4.4.2.2	Bleed air system								-			
A4.4.2.3	Air conditioning system								-			
A4.4.2.4	Defog system								-			
A4.4.2.5	Fire and overheat warning system								-			
A4.4.2.6	Oxygen system								-			
A4.4.3.	Inspect								-			
A4.4.3.1	Bleed air system								-			
A4.4.3.2	Air conditioning system								-			
A4.4.3.3	Canopy and hatch seal system								-			
A4.4.3.4	Defog system								-			
A4.4.3.5	Fire and overheat warning system								-			
A4.4.3.6	Oxygen system								-			
A4.4.3.7	Nitrogen system								-			
A4.4.3.8	Pressurization system								-			
A4.4.3.9	Accelerometer								-			
A4.4.4.	Oxygen system TR: TO 00-25-172; 15X-1-1; TMs 1U-2S-2-6 and 1U-2S-2-1								-			
A4.4.4.1	Service Liquid Oxygen (LOX)	5							-			
A4.4.4.2	Drain LOX								-			
A4.4.5.	Nitrogen system								-			

## U-2 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course				
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D	
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3-lvl	5-lvl	7-lvl	9-lvl	
TR: TO 00-25-172; TMs 1U-2S-2-1 and 1U-2S-2-6												
A4.4.5.1 Service canopy and hatch seal system	5							-				
A4.4.6 Operate canopy and hatch seal system	5							-				
<b>A4.5. FLIGHT CONTROL SYSTEM</b> TR: 1U-2S-2-2, 1U-2ST-2								-				
A4.5.1 Components and system operation								-				
A4.5.2. Perform operational checks								-				
A4.5.2.1. Primary flight controls								-				
A4.5.2.1.1 Rudder control system								-				
A4.5.2.1.2 Elevator control system								-				
A4.5.2.1.3 Aileron control system								-				
A4.5.2.2 Secondary flight controls								-				
A4.5.2.2.1 Horizontal stabilizer control system								-				
A4.5.2.2.2 Speed brake control system								-				
A4.5.2.2.3 Wing flap control system								-				
A4.5.2.2.4 Roll spoiler control system								-				
A4.5.2.2.5 Lift spoiler control system								-				
A4.5.2.2.6 Emergency lift spoiler system								-				
A4.5.2.2.7 Stall strip system								-				
A4.5.3. Remove/install components								-				
A4.5.3.1 Primary flight controls								-				
A4.5.3.1.1 Rudder control surface								-				
A4.5.3.1.2 Elevator control surface								-				
A4.5.3.1.3 Elevator control servo tab								-				
A4.5.3.1.4 Aileron control surface								-				
A4.5.3.1.5 Aileron control tab								-				
A4.5.3.1.6 Aileron shifter actuator								-				
A4.5.3.1.7 Aileron trim tab actuator								-				
A4.5.3.2. Secondary flight controls								-				
A4.5.3.2.1 Speed brake surface								-				
A4.5.3.2.2 Wing flap control surface								-				
A4.5.3.2.3 Wing flap jack screw actuator								-				
A4.5.3.2.4 Wing flap drive gear box								-				
A4.5.3.2.5 Wing flap synchronizer shaft								-				
A4.5.3.2.6 Fixed flap surface								-				
A4.5.3.2.7 Roll spoiler control surface								-				
A4.5.3.2.8 Roll spoiler actuators								-				

## U-2 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course				
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D	
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3-lvl	5-lvl	7-lvl	9-lvl	
A4.5.3.2.9	Lift spoiler surface								-			
A4.5.3.2.10	Lift spoiler actuators								-			
A4.5.3.2.11	Speed brake actuators								-			
A4.5.3.2.12	Horizontal stabilizer trim actuator								-			
A4.5.3.2.13	Stall strip blade assembly								-			
A4.5.3.2.14	Stall strip control handle								-			
A4.5.4.	Rig and adjust								-			
A4.5.4.1.	Primary flight controls								-			
A4.5.4.1.1	U-2S rudder system								-			
A4.5.4.1.2	U-2ST rudder system								-			
A4.5.4.1.3	U-2S elevator system								-			
A4.5.4.1.4	U-2ST elevator system								-			
A4.5.4.1.5	U-2S aileron system								-			
A4.5.4.1.6	U-2ST aileron system								-			
A4.5.4.2.	Secondary flight controls								-			
A4.5.4.2.1	Speed brakes								-			
A4.5.4.2.2	Wing flap control system								-			
A4.5.4.2.3	Roll spoilers								-			
A4.5.4.2.4	Lift spoilers								-			
A4.5.4.2.5	Horizontal stabilizer trim actuator rod end play check								-			
A4.5.4.2.6	U-2S stall strip system								-			
A4.5.4.2.7	U-2ST stall strip system								-			
A4.5.4.2.8	Wing flap actuator rod end play check								-			
A4.5.5	Open/close rudder speed rig								-			
A4.5.6	Untwist rudder cables								-			
A4.5.7	Assemble/disassemble/lube stall strip blade assembly								-			
A4.5.8	Connect and disconnect flap control surface								-			
A4.5.9	Lubricate								-			
A4.5.10	Troubleshoot								-			
<b>A4.6.</b>	<b>HYDRAULIC SYSTEM</b>								-			
	<b>TR: TMs 1U-2S-2-1 and 1U-2S-2-3</b>								-			
A4.6.1	Components and system operation								-			
A4.6.2.	Service								-			
A4.6.2.1	Reservoir	5							-			
A4.6.2.2	Accumulators	5							-			
A4.6.3	Apply external hydraulic power	5							-			

## U-2 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3-lvl	5-lvl	7-lvl	9-lvl
A4.6.4. Remove/install hydraulic components								-			
A4.6.4.1 Actuators								-			
A4.6.4.2 Accumulators								-			
A4.6.4.3 Lines								-			
A4.6.4.4 Filters (pressure and return)								-			
A4.6.4.5 Swivels								-			
A4.6.4.6 Pumps								-			
A4.6.4.7 Reservoir								-			
A4.6.4.8 Hydraulic/oil cooler								-			
A4.6.4.9 Selector and control valves								-			
A4.6.4.10 Power brake control valve								-			
A4.6.4.11 Restrictors								-			
A4.6.4.12 Check valves								-			
A4.6.5. Remove/install hydraulic motors								-			
A4.6.5.1 Emergency lift spoiler								-			
A4.6.5.2 Standby AC generator								-			
A4.6.5.3 Flap								-			
A4.6.5.4 Stabilizer trim								-			
A4.6.6. Fill and bleed								-			
A4.6.6.1 Hydraulic pump								-			
A4.6.6.2 Lift/roll spoiler system								-			
A4.6.6.3 Speed brake system								-			
A4.6.6.4 Stabilizer trim system								-			
A4.6.6.5 Flap control system								-			
A4.6.6.6 Emergency lift spoiler auxiliary pump								-			
A4.6.6.7 Landing gear								-			
A4.6.6.8 Hydraulic power system								-			
A4.6.6.9 Standby AC generator motor								-			
A4.6.7 Troubleshoot								-			
<b>A4.7. ENGINE SYSTEM</b> <b>TR: AFMAN 91-203; TMs 1U-2S-2-1, -2, and -4</b>								-			
A4.7.1 Components and system operation								-			
A4.7.2 Operate engine and subsystems								-			
A4.7.3. Service								-			
A4.7.3.1 Oil system	5							-			
A4.7.3.2 AMAD	5							-			
A4.7.4. Drain								-			

## U-2 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course				
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D	
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3-lvl	5-lvl	7-lvl	9-lvl	
A4.7.4.1	Oil system	5							-			
A4.7.4.2	AMAD	5							-			
A4.7.5.	Remove/install								-			
A4.7.5.1	AMAD								-			
A4.7.5.2	AMAD starter								-			
A4.7.5.3	AMAD oil cooler								-			
A4.7.5.4	AMAD magnetic chip detector								-			
A4.7.5.5	Engine								-			
A4.7.5.6	AMAD temp control valve								-			
A4.7.5.7	AMAD oil level sensor								-			
A4.7.5.8	AMAD pressure switch								-			
A4.7.5.9	Engine magnetic chip detector	5							-			
A4.7.5.10	Engine run screens								-			
A4.7.6	Take engine oil sample TR: TOs 42B2-1-9 and 33-1-37	5							-			
A4.7.7	Use borescope equipment								-			
A4.7.8.	AMAD couple and decouple procedures								-			
A4.7.8.1	Perform coupling procedures								-			
A4.7.8.2	Perform decoupling procedures								-			
A4.7.9	Perform operational check AMAD using ground motoring cart (RG920-1)								-			
A4.7.10.	Emergency Start System (ESS)								-			
A4.7.10.1	Service ESS nitrogen bottle								-			
A4.7.11.	Throttle control system								-			
A4.7.11.1.	Rig and adjust								-			
A4.7.11.1.1	U-2S throttle control cable system								-			
A4.7.11.1.2	U-2ST throttle control cable system								-			
A4.7.11.2.	Remove/inspect/install								-			
A4.7.11.2.1	U-2S throttle quadrant								-			
A4.7.11.2.2	U-2ST forward throttle quadrant								-			
A4.7.11.2.3	U-2ST rear throttle quadrant								-			
<b>A4.8.</b>	<b>FUEL SYSTEM</b> <b>TR: AFMAN 91-203; TMs 1U-2S-2-1, 1U-2S-2-4, and 1U-2S-2-5; TOs 00-25-172 and 1-1-3</b>								-			
A4.8.1	Components and system operation								-			
A4.8.2	Operate internal fuel system								-			
A4.8.3.	Refuel and defuel aircraft								-			
A4.8.3.1	Perform team member duties	5							-			



## U-2 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course				
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D	
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3-lvl	5-lvl	7-lvl	9-lvl	
A4.8.3.2	Perform team supervisor duties	7							-			
A4.8.4	Prepare aircraft for fuel cell maintenance								-			
A4.8.5	Set electronic fuel counter								-			
<b>A4.9.</b>	<b>ELECTRICAL SYSTEM</b>								-			
	<b>TR: TM 1U-2S-2-8</b>											
A4.9.1	Components and system operation								-			
A4.9.2	Connect, apply, and disconnect external electrical power	5							-			
A4.9.3.	Operate								-			
A4.9.3.1	Indicator warning lights								-			
A4.9.3.2	Electrical power supply system								-			
A4.9.3.3	Lighting system (internal and external)								-			
A4.9.3.4	Avionics processor / multifunction displays								-			
A4.9.4.	Remove/install								-			
A4.9.4.1	Light lenses								-			
A4.9.4.2	Lamps and bulbs								-			
A4.9.4.3	Batteries								-			
<b>A4.10.</b>	<b>EGRESS SYSTEM</b>								-			
	<b>TR: TMs 1U-2S-2-1 and 1U-2S-2-2</b>											
A4.10.1	Components and system operation								-			
A4.10.2	Perform cockpit entry procedures	5							-			
<b>A4.11.</b>	<b>SUPPORT EQUIPMENT</b>								-			
	<b>TR: AFMAN 91-203; TMs 1U-2S-2-1 and 1U-2S-2-2; Applicable equipment TOs</b>											
A4.11.1.	Perform pre-use inspection and operate								-			
A4.11.1.1	Hydraulic fluid tester RG10-60 TR: TO 33A2 series								-			
A4.11.1.2	Engine transfer trailer TR: TO 35D3 series								-			
A4.11.1.3	Fuselage cart (RG130) TR: TM 1U-2S-2-1								-			
A4.11.1.4	Aft section cart (RG733) TR: TM 1U-2S-2-1, 1U-2S-2-2								-			
A4.11.1.5	Nose removal dolly (RG16) TR: TM 1U-2S-2-2								-			
A4.11.1.6	Fore and aft pod dolly (RG504) TR: TM 1U-2S-2-12 Vol I								-			
A4.11.1.7	Superpod midbody dolly (RG494) TR: TM 1U-2S-2-12 Vol I								-			
A4.11.1.8	Generator (AM32A-86) TR: Applicable TM	5							-			
A4.11.1.9	AM32A-95 TR: Applicable TM	5							-			
A4.11.1.10	Shelter power unit (EPU-G/E) TR: 35CL-4-146-1								-			
A4.11.1.11	Sulky (RG 38)								-			

## U-2 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course				
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D	
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3-lvl	5-lvl	7-lvl	9-lvl	
TR: TM 1U-2S-2-1												
A4.11.1.12 Emergency tow bar (RG158-2) TR: TM 1U-2S-2-1								-				
A4.11.1.13 AMAD ground motoring cart (RG290-1) TR: TM 1U-2S-2-2								-				
A4.11.1.14 Wing support assembly (RG37) TR: TO 35-1-246WC-1								-				
A4.11.1.15 Wing support stand (RG305) TR: TO 35-1-246WC-1								-				
A4.11.1.16 MLG jack assembly (RG148)								-				
A4.11.1.17 Q-bay hoist assembly (RG52)								-				
A4.11.1.18 Overhead hoist assembly								-				
A4.11.1.19 Q-bay hatch dolly (RG587)								-				
A4.11.1.20 Cockpit work stand assembly (RG157) service stand (U-2ST) (RG580)								-				
A4.11.1.21 Mooring equipment								-				
A4.11.1.22 Engine run-up kit (RG17) (RG44 deadman, or RG221 spreader bar)								-				
A4.11.1.23 Cooling cart (RG2069)								-				
A4.11.1.24 Cooling cart (RG2080)								-				
A4.11.1.25 DC Generator Ground Power Unit (DCGPU)								-				
A4.11.1.26 Hydraulic test stand TR: TO 1U-2S-2-3								-				
A4.11.1.27 Oil servicing carts TR: TO 35A17- series as applicable								-				
A4.11.1.28 Hydraulic servicing carts TR: TO 35D29 series as applicable								-				
A4.11.1.29 LOX servicing equipment TR: TOs 37C2-8 series	5							-				

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## F-15 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3-lvl	5-lvl	7-lvl	9-lvl

NOTE 1: Use this attachment in conjunction with STS 2A3X3 attachment 2.

NOTE 2: All task/knowledge items taught in the initial skills course are trained during war time.

NOTE 3: Items in column 2 identified with an 5R or 7R are optional for the AFRC Traditional Reservist (TR) and the ANG Drill Status Guardsman (DSG); for full-time members, Core Tasks are required.

<b>A5.1. AIRCRAFT GENERAL</b> <b>TR: TOs 00-20-1, 00-5-1;</b> <b>Applicable 1F-15(-)-2-05 series TOs</b>												
A5.1.1 Avionics components and system operation TR: TO 1F-15(-)-2-39GS-00-1								A				
A5.1.2 Weapon system components TR: TO 1F-15(-)-2-94GS-00-1								A				
A5.1.3 Safe aircraft for maintenance	5							2b				
A5.1.4 E-tools												
A5.1.4.1 Use technical orders	5							2b				
A5.1.5. Aircraft and supporting maintenance records												
A5.1.5.1 Document AFTO Form 781H	5							2b				
A5.1.5.2 Document AFTO Form 781A	5							2b				
A5.1.5.3 Document AFTO Form 781J	5							2b				
A5.1.5.4 Document AFTO Form 781K	5							2b				
A5.1.5.5 Document DD Form 2026	5							2b				
A5.1.6. Aircraft inspections TR: TO 00-20-1; Applicable 1F-15(-)-6 TOs												
A5.1.6.1 Periodic inspection concept								B				
A5.1.6.2 Over-G inspections								A				
A5.1.6.3. Perform inspections												
A5.1.6.3.1 Preflight	5							-				
A5.1.6.3.2 Basic postflight	5							-				
A5.1.6.3.3 Preflight/basic postflight combination	5							2b				
A5.1.6.3.4 End of runway	5							-				
A5.1.6.3.5 Launch aircraft	5							-				
A5.1.6.3.6 Recover aircraft	5							-				
A5.1.6.3.7 Combined thruflight	5							-				
A5.1.6.3.8 Quick-turn								-				
A5.1.6.3.9 Hourly postflight								-				
A5.1.6.3.10 Periodic								-				
A5.1.6.3.11 Time replacement item								-				
A5.1.6.3.12 Calendar								-				
A5.1.6.4. Perform special inspections												
A5.1.6.4.1 Acceptance/transfer								-				

## F-15 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course				
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D	
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3-lvl	5-lvl	7-lvl	9-lvl	
A5.1.6.4.2	Over-G								-			
A5.1.6.4.3	Lightning strike								-			
A5.1.6.4.4	Engine bay	5							-			
A5.1.6.4.5	Intake and exhaust inspection								-			
A5.1.7.	Ground handling TR: AFMANs 11-218 and 91-203; TO 00-25-172 and applicable 1F-15( )-2 series TOs											
A5.1.7.1.	Tow aircraft											
A5.1.7.1.1	Perform tow team member duties	5							b			
A5.1.7.1.2	Perform tow team supervisor duties	7							-			
A5.1.7.1.3	Perform tow vehicle operator								-			
A5.1.7.2	Moor aircraft								-			
A5.1.7.3.	Jack and level aircraft											
A5.1.7.3.1	Perform jacking team member duties	5							2b			
A5.1.7.3.2	Perform jacking supervisor duties	7							-			
A5.1.7.4	Perform axle jacking	5							2b			
A5.1.7.5	De-ice aircraft TR: TO 1F-15( )-2-12JG-10-1 and 42C-1-2; 14CFR121.629 section 121.629								-			
A5.1.7.6	Lubricate aircraft	5							1b			
A5.1.7.7	Apply external cooling air	5							2b			
A5.1.7.8	Remove/install ballast								-			
A5.1.7.9	Wash aircraft								-			
<b>A5.2.</b>	<b>AIRFRAME</b> <b>TR: Applicable 1F-15( )-3 TOs</b>											
A5.2.1	Airframe components and construction								A			
A5.2.2	Identify stress panels								A			
A5.2.3	Rig doors								-			
A5.2.4	Perform operational check of doors								-			
A5.2.5.	Remove/install											
A5.2.5.1	Windscreen								-			
A5.2.5.2	Travel pods								-			
A5.2.5.3	Stress panels	5							-			
A5.2.5.4	Radome								-			
A5.2.6.	Open/close											
A5.2.6.1	Hingeable doors	5							2b			
A5.2.6.2	Radome	5							2b			
A5.2.7.	Canopy											

## F-15 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course				
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D	
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3-lvl	5-lvl	7-lvl	9-lvl	
TR: Applicable 1F-15( )-2-95 series TOs												
A5.2.7.1 Components and system operation								A				
A5.2.7.2 Perform operational check								-				
A5.2.7.3 Rig								-				
A5.2.7.4. Remove/install												
A5.2.7.4.1 Canopy								-				
A5.2.7.4.2 Actuator								-				
A5.2.7.4.3 Accumulator								-				
A5.2.7.4.4 Accumulator check valve								-				
A5.2.7.4.5 Accumulator pressure gauge								-				
A5.2.7.4.6 Control handle								-				
A5.2.7.4.7 Control cable								-				
A5.2.7.4.8 Control valve								-				
A5.2.7.4.9 Check valve								-				
A5.2.7.4.10 Sequence valve								-				
A5.2.7.4.11 Two-way restrictor								-				
A5.2.7.4.12 Rain seal								-				
A5.2.7.5. Operate												
A5.2.7.5.1 Manual	5							2b				
A5.2.7.5.2 Normal	5							2b				
A5.2.7.6. Service												
A5.2.7.6.1 Actuator	5							2b				
A5.2.7.6.2 Accumulator	5							2b				
<b>A5.3. LANDING GEAR SYSTEM TR: 1F-15( )-2-32 series TOs</b>												
A5.3.1 Components and system operation								A				
A5.3.2. Perform operational check of normal systems												
A5.3.2.1 Landing gear	5							1b				
A5.3.2.2 Brakes								-				
A5.3.2.3 Anti-skid								-				
A5.3.3 Operate arresting gear	5							2b				
A5.3.4. Operate emergency system												
A5.3.4.1 Landing gear extension	5							1b				
A5.3.4.2 Brakes	5							-				
A5.3.4.3 Steering								-				
A5.3.5. Nose wheel steering system												
A5.3.5.1 Nose wheel steering components								A				

## F-15 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course				
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D	
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3-lvl	5-lvl	7-lvl	9-lvl	
A5.3.5.2. Remove/install												
A5.3.5.2.1 Selector valve								-				
A5.3.5.2.2 Shuttle valve								-				
A5.3.5.2.3 Steering unit								-				
A5.3.5.2.4 Steering support housing								-				
A5.3.5.3 Perform operational check of nose wheel steering	5							-				
A5.3.5.4 Perform abbreviated check of nose wheel steering	5							2b				
A5.3.6. Rig												
A5.3.6.1 Landing gear								-				
A5.3.6.2 Nose wheel steering	7							-				
A5.3.6.3 Arresting gear								-				
A5.3.7. Service												
A5.3.7.1. Landing gear struts												
A5.3.7.1.1 Nose	5											
A5.3.7.1.2 Nose (ground, hydraulic)								a				
A5.3.7.1.3 Main	5							-				
A5.3.7.1.4 Main (ground, hydraulic)								2b				
A5.3.7.2 Tires TR: Applicable -2 TOs	5							-				
A5.3.7.3 Arresting gear actuator	5							2b				
A5.3.7.4 Arresting gear damper	5							2b				
A5.3.8. Remove/install												
A5.3.8.1 Main wheel and tire assembly	5							2b				
A5.3.8.2 Nose wheel and tire assembly	5							2b				
A5.3.8.3. Brake system components												
A5.3.8.3.1 Brake assemblies	5							2b				
A5.3.8.3.2 Brake control cables								-				
A5.3.8.3.3 Dual brake control valve								-				
A5.3.8.3.4 Brake interconnect cable								-				
A5.3.8.3.5 Brake pressure dissipation valve								-				
A5.3.8.3.6 Brake/steering arming valve cable								-				
A5.3.8.3.7 Brake/steering emergency cable								-				
A5.3.8.3.8 Brake/steering emergency handle								-				
A5.3.8.3.9 Emergency brake/steering arming valve								-				
A5.3.8.4. Landing gear components												
A5.3.8.4.1 NLG strut								-				

## F-15 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3-lvl	5-lvl	7-lvl	9-lvl
A5.3.8.4.2	NLG actuator							-			
A5.3.8.4.3	NLG door selector valve							-			
A5.3.8.4.4	MLG strut							-			
A5.3.8.4.5	MLG actuator							-			
A5.3.8.4.6	MLG door selector valve							-			
A5.3.8.4.7	Emergency selector valve							-			
A5.3.8.5.	Arresting gear components										
A5.3.8.5.1	Hook shank							-			
A5.3.8.5.2	Hook actuator							-			
A5.3.8.5.3	Hook uplatch actuator							-			
A5.3.8.5.4	Hook damper	5						2b			
A5.3.8.5.5	Hook fairings							-			
A5.3.8.5.6	Hook release and retraction mechanism							-			
A5.3.8.5.7	Selector valve							-			
A5.3.9	Bleed brakes	5						2b			
A5.3.10	Determine serviceability of aircraft tires TR: TO 4T-1-3, Applicable -6 TOs	5						2b			
A5.3.11	Repack main landing gear strut							-			
A5.3.12.	Build-up wheel and tire assembly										
A5.3.12.1	Nose wheel assembly							-			
A5.3.12.2	Main wheel assembly							-			
A5.3.13	Manually open gear doors	5						2b			
A5.3.14	Manually close gear door (F-15C/D only)	5						2b			
A5.3.15	Troubleshoot							-			
<b>A5.4.</b>	<b>UTILITIES</b> <b>TR: Applicable 1F-15()-2 series TOs</b>										
A5.4.1	Components and system operation							A			
A5.4.2.	Perform operational check										
A5.4.2.1	Bleed air system							-			
A5.4.2.2	Air conditioning system							-			
A5.4.2.3	Pressurization system							-			
A5.4.2.4	Anti-ice/de-ice system							-			
A5.4.2.5	Rain removal system							-			
A5.4.2.6	Fire/overheat warning system							-			
A5.4.2.7	Oxygen system quantity	5						b			
A5.4.3	Inspect fire/overheat warning system TR: 1F-15()-2-26JG-10-1							-			



## F-15 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course				
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D	
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3-lvl	5-lvl	7-lvl	9-lvl	
A5.4.4	Service Liquid Oxygen (LOX) system F-15C/D only TR: TOs 00-25-172, 15X-1-1	5							-			
A5.4.5	Remove/inspect/install LOX converter F-15C/D only	5							1b			
<b>A5.5.</b>	<b>FLIGHT CONTROL SYSTEM</b> <b>TR: 1F-15(-)-2-27 series TOs</b>											
A5.5.1	Component identification and system operation								A			
A5.5.2	Perform lateral control system bleed								2b			
A5.5.3	Perform longitudinal control system bleed								a			
A5.5.4	Perform directional control system bleed								a			
A5.5.5.	Remove/install											
A5.5.5.1	Aileron	5R							-			
A5.5.5.2	Rudder	5R							-			
A5.5.5.3	Stabilator								-			
A5.5.5.4	Speed brake	5R							-			
A5.5.5.5	Flap	5R							-			
A5.5.5.6	Pitch Roll Channel Assembly (PRCA)								-			
A5.5.5.7	Pitch Trim Compensator (PTC)								-			
A5.5.5.8	Roll Ratio Controller (RRC)								-			
A5.5.5.9	Mode select								-			
A5.5.5.10	Aileron Rudder Interconnect (ARI)								-			
A5.5.5.11	Yaw Ratio Controller (YRC)								-			
A5.5.5.12.	Actuators											
A5.5.5.12.1	Aileron	5							-			
A5.5.5.12.2	Rudder	5							-			
A5.5.5.12.3	Stabilator								-			
A5.5.5.12.4	Speed brake								-			
A5.5.5.12.5	Flap								-			
A5.5.5.12.6	Lateral feel trim								-			
A5.5.5.12.7	Longitudinal feel trim								-			
A5.5.5.12.8	Directional feel trim								-			
A5.5.5.12.9	Yaw trim (F-15E)								-			
A5.5.5.13.	Components											
A5.5.5.13.1	Switching valves								-			
A5.5.5.13.2	Aileron cables / bellcranks								-			
A5.5.5.13.3	Rudder cables / bellcranks								-			
A5.5.5.13.4	ARI to PRCA interconnect cable								-			

## F-15 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course				
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D	
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3-lvl	5-lvl	7-lvl	9-lvl	
A5.5.5.13.5	Rudder travel limiter								-			
A5.5.5.13.6	Aileron safety spring cartridge								-			
A5.5.5.13.7	Rudder control breakout assembly								-			
A5.5.5.13.8	Stabilator control cables / bellcranks								-			
A5.5.6.	Rig flight control systems											
A5.5.6.1	Longitudinal								-			
A5.5.6.2	Lateral								-			
A5.5.6.3	Directional								-			
A5.5.7	Troubleshoot								-			
<b>A5.6.</b>	<b>HYDRAULIC SYSTEM</b>											
	<b>TR: 1F-15(-)-2-29 series TOs</b>											
A5.6.1	Components and system operation								A			
A5.6.2.	Service reservoir											
A5.6.2.1	PC1/PC2	5							-			
A5.6.2.2	Utility	5							2b			
A5.6.3	Drain								-			
A5.6.4	Flush								-			
A5.6.5	Apply hydraulic pressure	5							2b			
A5.6.6	Bleed hydraulic system	7							-			
A5.6.7.	Remove/install											
A5.6.7.1	Lines	5							-			
A5.6.7.2	Pumps	5							2b			
A5.6.7.3.	Manifolds											
A5.6.7.3.1	Pump manifolds	5							-			
A5.6.7.3.2	Accessories manifolds								-			
A5.6.7.4	Reservoirs								-			
A5.6.7.5.	Valves											
A5.6.7.5.1	Check valve								-			
A5.6.7.5.2	Thermal control valve								-			
A5.6.7.5.3	Utility bypass warm-up valve								-			
A5.6.7.5.4	Filters/Delta P	5							-			
A5.6.7.5.5	Pressure transmitter	5							-			
A5.6.7.5.6	Pressure switch								-			
A5.6.8	Troubleshoot								-			
<b>A5.7.</b>	<b>ENGINE SYSTEM</b>											
	<b>TR: AFMAN 91-203; TO 1F-15(-)-2-71 series TOs</b>											
A5.7.1	Components and system operation								A			

## F-15 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course				
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D	
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3-lvl	5-lvl	7-lvl	9-lvl	
A5.7.2	Engine monitoring system								-			
A5.7.3	Operate engine								-			
A5.7.4.	Air induction TR: TO 1F-15( )-2-76 series TOs											
A5.7.4.1	Components and system operation								A			
A5.7.4.2.	Remove/install											
A5.7.4.2.1	First ramp actuator								-			
A5.7.4.2.2	Diffuser ramp actuator								-			
A5.7.4.2.3	Bypass door actuator								-			
A5.7.4.2.4	First ramp								-			
A5.7.4.2.5	Second ramp								-			
A5.7.4.2.6	Third ramp								-			
A5.7.4.2.7	Diffuser ramp								-			
A5.7.4.2.8	Bypass door								-			
A5.7.4.3	Perform operational check								-			
A5.7.4.4	Rig								-			
A5.7.4.5	Troubleshoot								-			
A5.7.5.	Oil system TR: TOs 1F-15( )-2-05, -12 series, -6 TO											
A5.7.5.1	Inspect magnetic chip detectors	5							2b			
A5.7.5.2	Service	5							2b			
A5.7.5.3	Take oil sample	5							-			
A5.7.6.	Remove/install											
A5.7.6.1	Engine								-			
A5.7.7.	Throttle system											
A5.7.7.1	Remove/install components											
A5.7.7.1.1	Throttle quadrant (F-15C)								-			
A5.7.7.1.2	Throttle quadrant (F-15D/E)								-			
A5.7.7.1.3	One piece throttle cable								-			
A5.7.7.1.4	Two piece throttle cable								-			
A5.7.7.1.5	Throttle interconnect cable								-			
A5.7.7.1.6	Throttle sector box								-			
A5.7.7.2	Inspect components TR: Applicable -6 TOs								-			
A5.7.7.3	Rig throttles								-			
A5.7.7.4	Adjust throttle detent								-			
A5.7.8.	Engine starting system TR: Applicable 1F-15( )-2-80, -81, -82, and -83 series TOs											

## F-15 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course				
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D	
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3-lvl	5-lvl	7-lvl	9-lvl	
A5.7.8.1	Components and system operation								A			
A5.7.8.2	Perform operational check								-			
A5.7.8.3	Prime Jet Fuel Starter (JFS)	5							-			
A5.7.8.4.	Service											
A5.7.8.4.1	JFS accumulator	5							2b			
A5.7.8.4.2	Central Gear Box (CGB)	5							2b			
A5.7.8.4.3	Aircraft Mounted Accessory Drives (AMAD)	5							2b			
A5.7.8.5.	Remove/install											
A5.7.8.5.1	JFS	7							-			
A5.7.8.5.2	JFS system relays								-			
A5.7.8.5.3	JFS fuel filter								-			
A5.7.8.5.4	JFS fuel control								-			
A5.7.8.5.5	JFS 2-speed switch								-			
A5.7.8.5.6	JFS generator control unit								-			
A5.7.8.5.7	JFS ignition components								-			
A5.7.8.5.8	JFS fuel accumulator								-			
A5.7.8.5.9	JFS pressure gauge								-			
A5.7.8.5.10	JFS hand pump								-			
A5.7.8.5.11	JFS accumulator bottles								-			
A5.7.8.5.12	JFS hydraulic manifold								-			
A5.7.8.5.13	Hydraulic pressure intensifier								-			
A5.7.8.5.14	JFS control handle								-			
A5.7.8.5.15	JFS control cable								-			
A5.7.8.5.16	CGB	7							-			
A5.7.8.5.17	CGB chip detector								-			
A5.7.8.5.18	CGB oil filter and differential pressure (Delta P) indicator								-			
A5.7.8.5.19	CGB isolation decoupler								-			
A5.7.8.5.20	CGB permanent magnet generator								-			
A5.7.8.5.21	CGB hydraulic start motor								-			
A5.7.8.5.22	CGB hydraulic clutch control								-			
A5.7.8.5.23	CGB oil pump and switch assembly								-			
A5.7.8.5.24	AMAD	7							-			
A5.7.8.5.25	AMAD chip detector								-			
A5.7.8.5.26	AMAD oil filter and differential pressure indicator	5							2b			
A5.7.8.5.27	AMAD pawl carrier	5							-			
A5.7.8.5.28	AMAD oil pump and switch assembly								-			

## F-15 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course				
	Core/Cert ^	Deployment 5 / SEL +	A	B	C	D	E	A	B	C	D	
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3-lvl	5-lvl	7-lvl	9-lvl	
A5.7.8.5.29	AMAD encased seals	7R							-			
A5.7.8.5.30	AMAD carbon seals	7R							-			
A5.7.8.5.31	AMAD pressure fill fitting								-			
A5.7.8.5.32	AMAD overflow drain								-			
A5.7.8.5.33	AMAD sight gauge								-			
A5.7.8.5.34	AMAD Power Take-off (PTO)	5							-			
A5.7.8.6	Troubleshoot								-			
A5.7.8.7.	Operate secondary power system test set											
A5.7.8.7.1	Static test								-			
A5.7.8.7.2	Dynamic test								-			
<b>A5.8.</b>	<b>FUEL SYSTEM</b>											
	<b>TR: AFMAN 91-203; TO 00-25-172; 1F-15( )-2-05, -12 and -28 series TOs</b>											
A5.8.1	Components and system operation								A			
A5.8.2	Perform operational check of internal fuel system								-			
A5.8.3	Refuel aircraft (normal) power off	5							2b			
A5.8.4.	Refuel aircraft power-on											
A5.8.4.1	Team member								-			
A5.8.4.2	Team supervisor	7							-			
A5.8.5.	Refuel aircraft (engine operating)											
A5.8.5.1	Team member								-			
A5.8.5.2	Team supervisor								-			
A5.8.6.	Defuel aircraft power-off											
A5.8.6.1	Team member								-			
A5.8.6.2	Team supervisor	7							-			
A5.8.7.	Defuel aircraft power-on											
A5.8.7.1	Team member	5							-			
A5.8.7.2	Team supervisor	7							-			
A5.8.8	Prepare aircraft for fuel cell maintenance								-			
A5.8.9.	External fuel tanks											
A5.8.9.1	Remove/inspect/install	5							2b			
A5.8.9.2	Perform operational check	5							-			
A5.8.9.3	Perform alternate defuel								-			
A5.8.10.	Air-to-Air Refueling (AAR) system											
A5.8.10.1	Components and system operation								A			
A5.8.10.2.	Remove/install											

## F-15 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3-lvl	5-lvl	7-lvl	9-lvl
A5.8.10.2.1 Door								-			
A5.8.10.2.2 Open/close linkage								-			
A5.8.10.2.3 Actuator								-			
A5.8.10.2.4 Emergency air refueling thruster (actuator)								-			
A5.8.10.3 Perform door operational check								-			
A5.8.10.4 Rig doors								-			
A5.8.11. Conformal fuel tanks, F-15E only											
A5.8.11.1 Remove/inspect/install	5							-			
A5.8.11.2 Defuel/depuddle	5							-			
A5.8.11.3 Perform operational check								-			
A5.8.11.4 Inspect and use conformal fuel tank dolly	5							-			
A5.8.11.5 Inspect and use conformal fuel tank hard stands	5							-			
<b>A5.9. ELECTRICAL SYSTEM TR: TO 1F-15( )-2-24 and -33 series TOs</b>											
A5.9.1 Components and system operation								A			
A5.9.2 Connect/apply/disconnect external electrical power	5							2b			
A5.9.3. Operate											
A5.9.3.1 Internal lighting	5							2b			
A5.9.3.2 External lighting	5							2b			
A5.9.3.3 Indicator/warning lights	5							2b			
A5.9.3.4 Emergency generator								-			
A5.9.4. Remove/install											
A5.9.4.1. Light lenses/bulbs											
A5.9.4.1.1 Landing light	5							2b			
A5.9.4.1.2 Taxi light	5							2b			
A5.9.4.1.3 Stab anti-collision light								-			
A5.9.4.1.4 Wing anti-collision light								-			
A5.9.4.1.5 Wing position light	5							2b			
A5.9.4.1.6 Stab position light	5							2b			
A5.9.4.1.7 Stab floodlight								-			
A5.9.4.1.8 AAR door floodlight								-			
A5.9.4.2 Integrated Drive Generator (IDG)								-			
A5.9.4.3 Emergency generator								-			
A5.9.4.4 Emergency generator/stab selector valve								-			
A5.9.5. IDG											

## F-15 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course				
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D	
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3-lvl	5-lvl	7-lvl	9-lvl	
A5.9.5.1	Service	5							2b			
A5.9.5.2	Drain								-			
A5.9.5.3	Flush								-			
A5.9.5.4	Replace oil filter/Delta P								-			
<b>A5.10.</b>	<b>EGRESS SYSTEM</b> <b>TR: Applicable 1F-15( )-2-05 and -95 series TOs</b>											
A5.10.1	Components and system operation								A			
A5.10.2.	Perform cockpit entry procedures											
A5.10.2.1	Normal	5							2b			
A5.10.2.2	Alternate	5							2b			
<b>A5.11.</b>	<b>SUPPORT EQUIPMENT</b> <b>TR: AFMAN 91-203 and applicable equipment TOs</b>											
A5.11.1.	Perform pre-use inspection and operate											
A5.11.1.1	Hydraulic test stand TR: TO 33A2 or 35D2 series as applicable	5							2b			
A5.11.1.2	Air conditioning units TR: TO 35E9 series as applicable								2b			
A5.11.1.3	Oil servicing carts TR: TO 35A17 series as applicable	5							2b			
A5.11.1.4	Hydraulic servicing carts	5							2b			
A5.11.1.5	Engine removal/installation (R and I) trailer TR: TO 35D3 series								-			
A5.11.1.6	Engine transfer trailer TR: TO 35D3 series								-			
A5.11.1.7	Canopy crane								-			
A5.11.1.8	LOX servicing equipment F-15C/D only TR: TOs 37C2-8 and 15X-1-1	5							-			
A5.11.1.9	600 gallon tank dolly	5							2b			

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## F-16 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3-lvl	5-lvl	7-lvl	9-lvl

NOTE 1: Use this attachment in conjunction with STS 2A3X3 attachment 2.  
 NOTE 2: All task/knowledge items taught in the initial skills course are trained during war time.  
 NOTE 3: Items in column 2 identified with an 5R or 7R are optional for the AFRC Traditional Reservist (TR) and the ANG Drill Status Guardsman (DSG); for full-time members, Core Tasks are required.

<b>A6.1. AIRCRAFT GENERAL</b>												
A6.1.1. Corrosion control program TR: Technical orders (TOs) 1-1-691S and 1F-16()-23												
A6.1.1.1 Wash aircraft								-				
A6.1.1.2 Lubricate aircraft (-12JG)	5							-				
A6.1.2. Perform ground handling TR: AFMANs 11-218 and 91-203; TOs 00-25-172, 1F-16()-2-12JG-00-1 and applicable -2, -5-2, and -6 series TOs												
A6.1.2.1. Tow aircraft												
A6.1.2.1.1 Preparation for towing								2b				
A6.1.2.1.2 Perform tow team member duties	5							b				
A6.1.2.1.3 Perform tow team supervisor duties	7							-				
A6.1.2.1.4 Perform tow vehicle operator duties								-				
A6.1.2.2 Moor aircraft								2b				
A6.1.2.3. Jack aircraft												
A6.1.2.3.1 Perform axle jacking duties	5							2b				
A6.1.2.3.2 Perform tripod jacking team member duties	5							2b				
A6.1.2.3.3 Perform jacking team supervisor duties	7							-				
A6.1.2.4 Assist weighing and leveling								-				
A6.1.2.5 Perform safe aircraft for maintenance procedures TR: Applicable -2 TOs	5							2b				
A6.1.3. Aerospace vehicle inspections TR: TOs 00-20-1 and 1F-16()-6-()												
A6.1.3.1 Phase inspection concept								A				
A6.1.3.2. Perform inspections												
A6.1.3.2.1 Preflight	5							-				
A6.1.3.2.2 Thruflight	5							-				
A6.1.3.2.3 Basic postflight	5							-				
A6.1.3.2.4 Preflight/basic postflight	5							2b				
A6.1.3.2.5 Walkaround	5							-				
A6.1.3.2.6 End of runway	5							-				
A6.1.3.2.7 Launch aircraft	5							-				
A6.1.3.2.8 Recover aircraft	5							-				
A6.1.3.2.9 Quick turnaround								-				

## F-16 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course				
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D	
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3-lvl	5-lvl	7-lvl	9-lvl	
A6.1.3.2.10 Phase												
A6.1.3.3. Perform special inspections												
A6.1.3.3.1 Acceptance								-				
A6.1.3.3.2 Hard landing inspection								-				
A6.1.3.3.3 Post barrier engagement inspection								-				
A6.1.3.3.4 Engine bay	5							-				
A6.1.3.3.5 Engine -6								-				
A6.1.3.3.6 Over-G								-				
A6.1.3.3.7 Perform throttle inspection	5							2b				
A6.1.4. Perform concurrent servicing operation												
A6.1.4.1 Supervisor duties								-				
A6.1.4.2 Team member duties								-				
A6.1.5. Technical orders												
A6.1.5.1 Midas TO numbering system								A				
A6.1.5.2 Use TOs	5							2b				
A6.1.6. Aircraft and supporting maintenance records												
A6.1.6.1 Document AFTO Form 781H	5							2b				
A6.1.6.2 Document AFTO Form 781A	5							2b				
A6.1.6.3 Document AFTO Form 781J	5							2b				
A6.1.6.4 Document AFTO Form 781K	5							2b				
A6.1.6.5 Document DD Form 2026	5							2b				
<b>A6.2. AIRFRAME</b> <b>TR: TOs 1F-16()-2-00GV-00-1, 1F-16()-2-12JG-00-2, -2-52JG, -2-53JG, -2-70JG-10-21, and -2-76-00-8</b>												
A6.2.1 Components and construction								A				
A6.2.2. Remove/install												
A6.2.2.1 Hingeable doors								-				
A6.2.2.2 Panels and stress panels	5							-				
A6.2.2.3 Travel pods								-				
A6.2.2.4 Throttle quadrant								-				
A6.2.2.5 Interconnect cable								-				
A6.2.2.6 Rack assembly								-				
A6.2.3. Open/close												
A6.2.3.1 Hingeable doors	5							2b				
A6.2.3.2 Radome								-				
A6.2.4 Clean canopy	5							2b				
A6.2.5 Polish canopy								-				

## F-16 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course				
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D	
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3-lvl	5-lvl	7-lvl	9-lvl	
A6.2.6	Rig throttle	7R							-			
<b>A6.3.</b>	<b>LANDING GEAR SYSTEM</b> <b>TR: 1F-16()-2-12JG-00-1 and -2-32</b> <b>series TOs</b>											
A6.3.1	Components and system operation							A				
A6.3.2	Alternate landing gear components and system operation							A				
A6.3.3	Braking components and system operation							A				
A6.3.4	Arresting hook components and system operation							A				
A6.3.5	Nose wheel steering (NWS) components and system operation							A				
A6.3.6.	Remove/install											
A6.3.6.1	Main landing gear (MLG) retract actuator							-				
A6.3.6.2	Downlock actuator							-				
A6.3.6.3	Uplock mechanism							-				
A6.3.6.4	MLG door actuator							-				
A6.3.6.5	Nose landing gear (NLG) extend/retract actuator							-				
A6.3.6.6	NLG door actuator							-				
A6.3.6.7	Uplock roller							-				
A6.3.6.8	MLG shock strut assembly							-				
A6.3.6.9	NLG shock strut assembly							-				
A6.3.6.10	Tension strut assembly							-				
A6.3.6.11	Drag brace assembly							-				
A6.3.6.12	Landing gear selector valve							-				
A6.3.6.13	Door sequence valve							-				
A6.3.6.14	Axle assembly							-				
A6.3.6.15	Door assembly							-				
A6.3.6.16	Spin stop pad	5						-				
A6.3.6.17	Torque link assembly							-				
A6.3.6.18.	Wheel and tire assembly											
A6.3.6.18.1	MLG	5						2b				
A6.3.6.18.2	Nose tire build-up							-				
A6.3.6.18.3	Heavy weight main tire build-up							-				
A6.3.6.18.4	Light weight tire build-up							-				
A6.3.6.18.5	NLG	5						2b				
A6.3.6.19	MLG brake assembly	5						b				
A6.3.6.20	Bleed brakes							-				
A6.3.6.21	MLG brake control valve							-				

## F-16 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course				
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D	
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3-lvl	5-lvl	7-lvl	9-lvl	
A6.3.6.22	Alternate landing gear control valve								-			
A6.3.6.23	Arresting hook pneumatic actuator								-			
A6.3.6.24	Arresting hook assembly								-			
A6.3.6.25	MLG pneumatic charging valve								2b			
A6.3.6.27	Rudder pedal assembly								-			
A6.3.6.27	NWS actuator	7R							-			
A6.3.7.	Adjust											
A6.3.7.1	Uplock rod assembly	7							-			
A6.3.7.2	Arresting hook shank bumper	5							-			
A6.3.8.	Service											
A6.3.8.1	Shock strut	5							2b			
A6.3.8.2	Alternate landing gear/ arresting hook pneumatic reservoir	5							2b			
A6.3.8.3	Tires	5							-			
A6.3.9	Determine serviceability of tires	5							2b			
A6.3.10.	Perform operational check											
A6.3.10.1.	Basic landing gear system											
A6.3.10.1.1	Perform operational check team member duties	5							1a			
A6.3.10.1.2	Perform operational check supervisor duties	7							-			
A6.3.11.	Perform alternate landing gear system check											
A6.3.11.1	Perform alternate operational check team member duties								-			
A6.3.11.2	Perform alternate operational check supervisor duties								-			
A6.3.12	Perform arresting hook operational check team member duties								2b			
A6.3.13	Troubleshoot								-			
<b>A6.4.</b>	<b>UTILITIES</b>											
A6.4.1.	Fire/overheat detection system TR: 1F-16()-2-26 series TOs											
A6.4.1.1	Components and system operation								A			
A6.4.1.2	Perform fire and overheat operational check								-			
A6.4.2.	Fuel inerting system TR: 1F-16()-2-26 series TOs											
A6.4.2.1	Components and operation								A			
A6.4.2.2	Remove/install halon reservoir								-			
A6.4.3.	Oxygen system TR: TOs 00-25-172, 1F-16()-2-12JG-00-1 and 1F-16()-2-35 series TOs											
A6.4.3.1	Components and system operation								A			
A6.4.3.2	Service Liquid Oxygen (LOX) converter (if equipped)	5							-			

## F-16 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References		2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
		Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D
				Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3-lvl	5-lvl	7-lvl	9-lvl
A6.4.3.3	Remove/install LOX converter (if equipped)	5							-			
A6.4.3.4	Remove/install On Board Oxygen Generating System (OBOGS) concentrator								-			
<b>A6.5.</b>	<b>FLIGHT CONTROL SYSTEM TR: 1F-16()-2-27 series TOs</b>											
A6.5.1	Components and system operation								A			
A6.5.2.	Remove/install											
A6.5.2.1	Leading edge flap								-			
A6.5.2.2	Rotary actuator								-			
A6.5.2.3	Torque shaft	5							-			
A6.5.2.4	Asymmetry brake	7R							-			
A6.5.2.5	Power Drive Unit (PDU)								-			
A6.5.2.6	Command servo assembly								-			
A6.5.2.7	Angle gearbox								-			
A6.5.2.8	Rudder assembly								-			
A6.5.2.9	Horizontal stabilizer assembly	7R							-			
A6.5.2.10	Stabilizer bearing set								-			
A6.5.2.11	Flaperon assembly								-			
A6.5.2.12	Speedbrake assembly								-			
A6.5.2.13	Speedbrake actuator								-			
A6.5.2.14	Speedbrake control valve								-			
A6.5.2.15.	Integrated Servo Actuators (ISA)											
A6.5.2.15.1	Rudder								-			
A6.5.2.15.2	Flaperon								-			
A6.5.2.15.3	Horizontal stabilizer	7R							-			
A6.5.3.	Service											
A6.5.3.1	PDU oil								-			
A6.5.3.2	Flight control accumulator	5							2b			
A6.5.4.	Rig											
A6.5.4.1	Leading edge flaps	7R							-			
A6.5.4.2	Command servo	7R							-			
A6.5.4.3	Flaperon								-			
A6.5.4.4	Horizontal stabilizer	7R							-			
A6.5.4.5	Rudder								-			
A6.5.5.	Perform operational check											
A6.5.5.1	Leading edge flaps	7							-			
A6.5.5.2	Speed brakes								-			

## F-16 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course				
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D	
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3-lvl	5-lvl	7-lvl	9-lvl	
A6.5.5.3	Manual trim								-			
A6.5.5.4	Manual control								-			
A6.5.5.5	System self-test or Built-In Test (BIT)								-			
A6.5.6	Troubleshoot								-			
<b>A6.6.</b>	<b>HYDRAULIC POWER SYSTEM TR: 1F-16()-2-29 series TOs</b>											
A6.6.1	Components and system operation								A			
A6.6.2.	Remove/install											
A6.6.2.1	Pump	7R							-			
A6.6.2.2	Manifold assembly								-			
A6.6.2.3	Transmitter								-			
A6.6.2.4	Filter/assembly	5R							2b			
A6.6.2.5	Differential pressure indicators (Delta P)	5R							2b			
A6.6.2.6	Hydraulic reservoir	7R							-			
A6.6.2.7	Reservoir accumulators								-			
A6.6.2.8	Flight control accumulators								-			
A6.6.2.9	Cockpit indicators								-			
A6.6.2.10	Accumulator pressure gauges								-			
A6.6.3	Service reservoir accumulator	5							-			
A6.6.4.	Hydraulic reservoir											
A6.6.4.1	Drain								-			
A6.6.4.2	Flush								-			
A6.6.4.3	Bleed	5							-			
A6.6.4.4	Service (-12JG)	5							2b			
A6.6.4.5	Service (engine operating)	5							-			
A6.6.5	Obtain fluid sample								-			
A6.6.6	Perform general bleed and leak check	5							2b			
A6.6.7	Troubleshoot								-			
<b>A6.7.</b>	<b>ENGINE SYSTEM TR: AFMAN 91-203; 1F-16()-2-70 series TOs</b>											
A6.7.1.	Engine (General Electric)											
A6.7.1.1	Components and system operation								A			
A6.7.1.2.	Remove/install											
A6.7.1.2.1	Engine	7R							-			
A6.7.1.2.2	Fuel filter								-			
A6.7.1.2.3	Oil filters								-			
A6.7.1.2.4	Signal data converter								-			

## F-16 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course				
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D	
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3-lvl	5-lvl	7-lvl	9-lvl	
A6.7.1.2.5	Anti-ice probe								-			
A6.7.1.3	Inspect and clean flame sensor								-			
A6.7.1.4	Service engine oil	5							-			
A6.7.1.5	Inspect engine magnetic chip detector(s) TR: Applicable -2 TOs	5							2b			
A6.7.1.6	Take oil sample								-			
A6.7.1.7.	Perform engine run											
A6.7.1.7.1	Intake and exhaust inspection (-70JG)								-			
A6.7.1.7.2	Engine run operation (low power high power/restrained)								-			
A6.7.2.	Engine (Pratt and Whitney)											
A6.7.2.1	Components and system operation								A			
A6.7.2.2.	Remove/install											
A6.7.2.2.1	Fuel filter								-			
A6.7.2.2.2	Oil filter								-			
A6.7.2.2.3	Engine	7R							-			
A6.7.2.2.4	Anti-ice probe								-			
A6.7.2.3	Service engine oil	5							2b			
A6.7.2.4	Inspect engine magnetic chip detector(s) TR: Applicable -2 TOs	5							2b			
A6.7.2.5	Take oil sample								-			
A6.7.2.6.	Perform engine run											
A6.7.2.6.1	Engine intake and exhaust inspection (-70JG)								-			
A6.7.2.6.2	Engine run operation (low power high power/restrained)								-			
<b>A6.8.</b>	<b>FUEL SYSTEM</b> <b>TR: AFMAN 91-203; 1F-16()-2-28 series TOs</b>											
A6.8.1	Components and system operation								A			
A6.8.2	Inflight refuel components and system operation								A			
A6.8.3.	Remove/install											
A6.8.3.1	Wing tank assembly	5							-			
A6.8.3.2	Centerline tank	5R							2b			
A6.8.3.3	Slipway door assembly								-			
A6.8.3.4	Slipway door actuator								-			
A6.8.3.5	Slipway door control valve								-			
A6.8.4	Adjust slipway door								-			
A6.8.5	Refuel aircraft without external power	5							-			
A6.8.6.	Refuel aircraft with external power											

## F-16 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course				
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D	
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3-lvl	5-lvl	7-lvl	9-lvl	
A6.8.6.1	Perform team member duties								-			
A6.8.6.2	Perform supervisor duties								-			
A6.8.7.	Refuel aircraft (engine operating)											
A6.8.7.1	Perform team member duties								-			
A6.8.7.2	Perform supervisor duties								-			
A6.8.8.	Defuel aircraft											
A6.8.8.1	Perform team member duties	5							-			
A6.8.8.2	Perform supervisor duties	7							-			
A6.8.9.	Perform over-the-wing refuel team member duties	5R							-			
A6.8.10.	Perform external tanks defueling (suction) team member duties								-			
A6.8.11.	Perform operational checks											
A6.8.11.1	Internal transfer								-			
A6.8.11.2	External transfer	5							-			
A6.8.11.3	Aerial refuel slipway door assembly								-			
<b>A6.9.</b>	<b>ELECTRICAL SYSTEM TR: 1F-16()-2-24 series TOs</b>											
A6.9.1	Components and system operation								A			
A6.9.2	Connect/apply external power	5							2b			
A6.9.3	Disconnect external power	5							2b			
A6.9.4.	Remove/install											
A6.9.4.1	Aircraft battery	5R							2b			
A6.9.4.2	Exterior light lenses	5							2b			
A6.9.4.3	Exterior light lamps	5							2b			
A6.9.5.	Operate											
A6.9.5.1	Interior lighting	5							2b			
A6.9.5.2	Exterior lighting	5							2b			
A6.9.6	Service Constant Speed Drive (CSD)	5							2b			
A6.9.7	Remove/replace CSD system filters								-			
<b>A6.10.</b>	<b>EGRESS SYSTEM TR: 1F-16()-2-95 series TOs</b>											
A6.10.1	Components and system operation								A			
A6.10.2.	Operate canopy											
A6.10.2.1	Electrically	5							2b			
A6.10.2.2	Manually								b			
<b>A6.11.</b>	<b>ACCESSORY DRIVE AND ENGINE START SYSTEM TR: 1F-16()-2-80 and 83 series TOs</b>											
A6.11.1	Accessory Drive Gearbox (ADG) components and system operation								A			



## F-16 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course				
	Core/Cert ^	Deployment 5 / SEL +	A	B	C	D	E	A	B	C	D	
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3-lvl	5-lvl	7-lvl	9-lvl	
A6.11.2	Engine Starting System (ESS) components and system operation								A			
A6.11.3	Operate Digital/diagnostic Engine Start System Controller (DESSC) tester	7R							-			
A6.11.4	Track DESSC data								-			
A6.11.5	Troubleshoot								-			
A6.11.6.	Remove/install											
A6.11.6.1	Jet Fuel Starter (JFS)	5R							-			
A6.11.6.2	Engine and jet start panel								-			
A6.11.6.3	Fuel control								-			
A6.11.6.4	Fuel control filter								-			
A6.11.6.5	Clutch servo valve								-			
A6.11.6.6	Thermocouple harness								-			
A6.11.6.7	Hydraulic fuse								-			
A6.11.6.8	Delay valve								-			
A6.11.6.9	Door control valve								-			
A6.11.6.10	Hand pump								-			
A6.11.6.11	Hydraulic start motor								-			
A6.11.6.12	Hydraulic start manifold								-			
A6.11.6.13	JFS brake accumulator								-			
A6.11.6.14	JFS fuel valves								-			
A6.11.6.15	JFS start fuel nozzle								-			
A6.11.6.16	JFS exciter								-			
A6.11.6.17	JFS hydraulic solenoid valves								-			
A6.11.6.18	DESSC								-			
A6.11.6.19	DESSC battery								-			
A6.11.6.20	ADG								-			
A6.11.6.21	Power take-off (PTO) shaft	5R							2b			
A6.11.6.22	Oil filters								2b			
A6.11.6.23	Magnetic chip detectors								-			
A6.11.6.24	Differential pressure indicators (Delta P)								-			
A6.11.6.25	Garlock seals								-			
A6.11.6.26	Speed sensors (JFS/PTO)								-			
A6.11.6.27	Keel Beam (-53JG)								-			
A6.11.7.	Service											
A6.11.7.1	JFS emergency brake accumulator	5							2b			
A6.11.7.2	ADG oil	5							2b			

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1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3-lvl	5-lvl	7-lvl	9-lvl
<b>A6.12. EMERGENCY POWER UNIT (EPU) SYSTEM</b> <b>TR: 1F-16(-)2-49 series TOs</b>											
A6.12.1 Components and system operation								A			
A6.12.2 Hydrazine awareness								A			
A6.12.3 EPU safety								A			
A6.12.4. Remove/install											
A6.12.4.1 EPU assembly								-			
A6.12.4.2 Pressure switch								-			
A6.12.4.3 Hydraulic pump								-			
A6.12.4.4 Electric generator								-			
A6.12.4.5 External indicator								-			
A6.12.4.6 Leak detector pellet	5							-			
A6.12.5. Service											
A6.12.5.1 EPU nitrogen	5							b			
A6.12.5.2 EPU oil	5							2b			
A6.12.6 Perform operational check in bleed air mode								-			
<b>A6.13. SUPPORT EQUIPMENT</b> <b>TR: AFMAN 91-203, Applicable equipment TOs</b>											
A6.13.1. Perform pre-use inspection and operate											
A6.13.1.1 Aircraft towbar TR: TOs 35B5 series	5							-			
A6.13.1.2 F-16 hand steering bar TR: TO 35B5 series								-			
A6.13.1.3 Fuel tank installation and removal dollies	5							-			
A6.13.1.4 Fuel tank removal and installation stores loader	5R							2b			
A6.13.1.5 Hydraulic test stand TR: TO 33A2- series as applicable	5							2b			
A6.13.1.6 Air conditioning units TR: TO 35E9- series as applicable	5							2b			
A6.13.1.7 Liquid nitrogen servicing equipment TR: TO 35D3- series as applicable								-			
A6.13.1.8 Gaseous nitrogen servicing equipment TR: TO 35D3- series as applicable								-			
A6.13.1.9 Self generating nitrogen servicing equipment TR: TO 35D29-7-6-1	5							-			
A6.13.1.10 Oil servicing carts TR: TO 35A17 series as applicable	5							2b			
A6.13.1.11 Hydraulic servicing carts TR: TO 35D29 series as applicable	5							2b			
A6.13.1.12 Engine removal and installation (R and I) trailer TR: TO 35D3 series	7R							-			
A6.13.1.13 Engine transfer trailer TR: TO 35D3 series	7R							-			

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	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3-lvl	5-lvl	7-lvl	9-lvl
A6.13.1.14 LOX servicing equipment TR: TOs 37C2-8 and 15X-1-1	5							-			
A6.13.1.15 Generator set TR: TO 35C or D series	5							-			
A6.13.1.16 Diesel air compressor TR: TOs 34 series	5							-			
A6.13.1.17 Fuselage jacks TR: TO 35A2 series	5							-			
A6.13.1.18 Axle jacks TR: TO 35A2 series	5							-			

