

AFSC 2A3X3 TACTICAL AIRCRAFT MAINTENANCE SPECIALTY



CAREER FIELD EDUCATION AND TRAINING PLAN

ACCESSIBILITY: Publications and forms are available on the e-publishing website at www.e-publishing.af.mil for downloading or ordering.

RELEASABILITY: There are no releasability restrictions on this publication.

SUMMARY OF CHANGES. As a result of the 29 February – 4 March 2016 Utilization and Training Workshop the STSs contained in this Career Field Education and Training Plan (CFETP) have significant changes in Core Tasks, proficiency codes and STS line item numbers.

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

Table of Contents

<u>PART I</u>	Page
Preface.....	1
Abbreviations/Terms Explained.....	2
Section A--General Information.....	3
Purpose of the CFETP	
Use of the CFETP	
Coordination and Approval of the CFETP	
Section B--Career Progression and Information.....	4
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	
Section C--Skill-Level Training Requirements.....	11
Purpose	
Special Qualification Requirements	
Apprentice Level (3)	
Journeyman Level (5)	
Craftsman Level (7)	
Superintendent Level (9)	
Section D--Resource Constraints.....	14
Section E--Transitional Training Guide.....	14

PART II

Section A--Specialty Training Standard (STS)15

Section B--Course Objective List16

Section C--On-the-Job (OJT) Training Support Material.....17

Section D--Training Course Index17

Section E--MAJCOM Unique Requirements20

STS Attachments

1. Proficiency Code Key21

2. Aircraft Maintenance Common Training Requirements23

3. 2A3X3E A-10 Qualitative Requirements.....37

4. 2A3X3E U-2 Qualitative Requirements.....49

5. 2A3X3L F-15 Qualitative Requirements65

6. 2A3X3M F-16 Qualitative Requirements83

A. 2AX7X Aerospace Maintenance Craftsman Qualitative Requirements99

B. 2A3X3 Course Objective Training Matrix103

Supersedes: This publication supersedes CFETP 2A3X3, 1 August 2012; and CFETP 2A3X3C1, 1 July 2014.

OPR: 362 TRS/TRR

Certified by: GS-12 Janet Ford (362 TRS/TRR)

Approved By: CMSgt Roger Harms (HQ USAF/A4LM)

Number of Printed Pages: 115

**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 August 2012 and CFETP 2A3X3C1, 1 July 2014. 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.

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

Certification Official. A person authorized by appropriate commander to determine an individual's ability to perform a task to required standards.

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

Core Task. Tasks 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.

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. A formal school course that results in the award of a 3-skill level AFS Code (AFSC).

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. 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.

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

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, Career Development Courses (CDC), 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.

Task Certifier. See Certification Official

Training Business Area (TBA). A Net-Centric, GCSS-AF IF 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. TBA supports base, wing, and work center level training management activities by automating training management business processes. The primary users of TBA will be any personnel directly involved in base level training management and certification activities. TBA was developed and maintained by 754th Electronic Systems Group, Installation and Logistics, Maintenance Flight (754 ELSG/ILM) at Maxwell-Gunter AFB.

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

Utilization and Training Workshop (U&TW). A forum that is convened and chaired on a recurring basis by the AFCFM, 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. Workshops are co-chaired by AETC Training Pipeline Manager and include MAJCOM AFSC Functional Managers, AETC training personnel, and Subject Matter Experts (SMEs).

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. This plan 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 skill, upgrade, qualification, advanced, and proficiency training. Initial skills training is the AFS specific training an individual receives upon entry into the Air Force or upon retraining into this specialty for award of the 3-skill level. This training is conducted at various locations by AETC. 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. Qualification training is actual hands-on task performance training designed to

qualify an Airman in a specific duty position. This training program occurs both during and after the upgrade training process. It is designed to provide the performance skills and knowledge required to do the job. Advanced training is formal specialty training used for selected Airmen. Proficiency training is additional training, either in-residence or exportable advanced training courses, or OJT, provided to personnel to increase their skills and knowledge beyond the minimum required for upgrade. The CFETP has several purposes:

1.1. Serves as a management tool to plan, manage, conduct, and evaluate a career field-training program. Also, it is used to help supervisors identify training at the appropriate point in an individual's career.

1.2. Identifies tasks and knowledge training requirements for each skill level in the specialty and recommends education and training throughout each phase of an individual's career.

1.3. Lists training courses that are available in the specialty and identifies sources of training and the training delivery method.

1.4. Identifies major resource constraints which impact full implementation of the desired career field training process.

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

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

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

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

3. Coordination and Approval of the CFETP. The AFCFM is the approval authority for the CFETP. The AFCFM for AFSC 2A3X3 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 flight chief, expeditor, crew chief, repair and reclamation, quality assurance, 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 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 the CDC, task qualification training, and available exportable courses for continued advancement. Once task certified, 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 CDC 2AX5X (as identified in STS Attachment 2), as well as completion of all identified 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 will use their CDCs 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 CDC 2AX7X (as identified in STS Attachment A) as well as completion of all identified 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 may be 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 must 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 U&TW held 29 February through 4 March 2016 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. Airmen will be required to complete the 2AX5X CDC and Field Training Detachments (FTDs) will provide advanced aircraft system training.

3.3. Seven-Level Upgrade Requirements. New SSgts will complete the 2AX7X CDC and FTDs will provide advanced aircraft system training.

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

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. Physical Education (4 semester hours). This requirement is satisfied by completion of BMT.

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

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

4.1.2. CCAF Instructor Certification. Upon completion of instructor qualification training, consisting of the instructor methods course and supervised practice teaching, CCAF instructors who possess an associate’s degree or higher may be nominated by their school commander and commandant for certification as an instructor.

4.1.3. 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 (45 semester hours).

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.langley.af.mil/afvec/Public/COOL/ViewCredential.aspx?Id=rLtRzbnN9hc%3d&AFSC=qcJyNKD84O8%3d>. 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.langley.af.mil/afvec/Public/COOL/SearchCredentials.aspx>.

5. Career Field Path:

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

5.1. Enlisted Development Team. The Enlisted Development Team (EDT) is the deliberate force development steering group for the Maintenance Management Career Fields. The EDT outlines the training, education, and experience requirements for critical Maintenance Management duty positions, and provides recommendations for the best qualified SNCOs into these key leadership positions across the Air Force. 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 2A3X3 Air Force Specialty.

Table 5.1 Enlisted Career Path (Airman Promotion Reference AFI 36-2502)				
Education and Training Requirements	Grade Requirements			
	Rank	Average Sew-On	Earliest Sew-On	High Year of Tenure (HYT)
Basic Military Training School				
Apprentice Technical School (3-Skill Level)	Amn A1C	6 months 10 months		
Upgrade To Journeyman (5-Skill Level) - Minimum 12 months OJT (9 months for retrainees). - Complete all 5-level Core Tasks. - Complete appropriate CDC if/when available.	Amn A1C SrA	10 months 3 years	28 months	8 Years
Airman Leadership School (ALS) - Refer to AFI 36-2301, <i>Developmental Education</i> .	<u>Trainer</u>			
	- Qualified and certified to perform the task to be trained. - Must attend formal AF Trainer Course. - Recommended by the supervisor.			
	<u>Certifier</u>			
	- Possess at least a SSgt with a 5-skill level or civilian equivalent; and qualified and certified to perform the task being certified. - Attend formal AF Trainer Course. - Be a person other than the trainer except for AFSCs, duty positions, units and/or work centers with specialized training standardization and certification requirements.			
Upgrade To Craftsman (7-Skill Level) - Minimum rank of SSgt. - Minimum 12 months OJT (6 months for retrainees). - Complete all 5- and 7-level Core Tasks. - Complete appropriate CDCs if/when available.	SSgt	7.5 years	3 years	15 Years
Noncommissioned Officer Academy (NCOA) - Refer to AFI 36-2301, <i>Developmental Education</i> .	TSgt	12.5 years	5 years	20 Years
	MSgt	16 years	8 years	24 Years
USAF Senior NCO Academy - Refer to AFI 36-2301, <i>Developmental Education</i> .	SMSgt	19.2 years	11 years	26 Years
Upgrade To Superintendent (9-Skill Level) - Minimum rank of SMSgt.	CMSgt	21.5 years	14 years	30 Years

5.3. Base/Unit Education and Training Manager Checklist:

Table 5.2. Base/Unit Education and Training Manager Checklist		
Requirements for Upgrade to:	Y	N
Journeyman - Does apprentice possess 2A333E/L/M AFSC? - Has apprentice completed mandatory CDCs? - Has apprentice completed all appropriate 5-level Core Tasks identified in the CFETP? - Has apprentice completed minimum 12 months Up-Grade Training (UGT) (9 months for retrainees) for award of 5-skill level? - Has apprentice met mandatory requirements listed in specialty description, ECD, and CFETP? - Has apprentice been recommended by their supervisor?		
Craftsman - Does journeyman possess 2A353E/L/M AFSC? - Has journeyman achieved the rank of SSgt? - Has journeyman completed mandatory CDCs? - Has journeyman completed all Core Tasks identified in the CFETP? - Has journeyman completed minimum 12 months UGT (6 months for retrainees) for award of 7-skill level?		

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.

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 deficiency reporting 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 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 AFMANs 33-152, *User Responsibilities and Guidance for Information Systems* and 33-282, *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 AFI 31-501, *Personnel Security Program Management*.

NOTE: Award of the 3-skill level without a completed NACLC 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, 362nd 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. These task-oriented follow-on courses are/will be conducted at various locations. 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 is highly encouraged.

2.2.1.3. Training: Completion of the journeyman aircraft maintenance CDC 2AX5X and completion of the 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 AFMANs 33-152, *User Responsibilities and Guidance for Information Systems* and 33-282, *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 AFI 31-501, *Personnel Security Program Management*.

2.2.2. Training Sources. The 5-level CDC 2AX5X provides the career knowledge training required. Qualification training and OJT will provide training and qualification on the Core Tasks identified in the STS. The CDC is written to build from the trainee's current knowledge base and provides more in-depth knowledge to support OJT requirements.

2.2.3. Implementation. The units utilizing this STS, exportable courses, and CDCs perform training to the 5-level. Upgrade to the 5-level requires completion of CDC 2AX5X, completion of all 5-level Core Tasks as identified in the STS for one MDS, and 12 months upgrade training (9 months for retrainees).

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 2A3X3 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 is highly encouraged.

2.3.1.3. Training. Completion of CDC 2AX7X is mandatory for upgrade to AFSC 2A373.

2.3.1.4. Experience. Completion of all required 7-level Core Tasks as identified in the STS for one MDS, and qualification in and possession of AFSC 2A353X, 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 AFMANs 33-152, *User Responsibilities and Guidance for Information Systems* and 33-282, *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 AFI 31-501, *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 utilizing the STS and CDCs perform training to the 7-level. Upgrade to the 7-level requires completion of CDC 2AX7X, completion of all Core Tasks as identified in the STS for one MDS, 12 months upgrade training (6 months for retrainees), 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. In addition to 7-level qualifications, an individual must possess advanced skills and knowledge of concepts and principles in the management of aircraft maintenance. The 9-level needs to be an effective leader with the ability to forecast, budget and manage funds. They must be knowledgeable of federal and local environmental standards and ensure adherence to the proper handling and disposal of hazardous materials. Also required is the ability to evaluate maintenance, interpret and resolve technical problems, and to analyze system and component failures and inspection results.

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. An individual must perform duties at the 9-level to include the following: advanced skills and knowledge of concepts and principles in the management of maintenance efforts on aircraft and aircraft systems; efficient management and direction of aerospace repairs to include planning and organizing resources, evaluating maintenance, interpreting and resolving technical problems, analyzing system and component failures and inspection results, determining optimum management procedures and requirements, 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 AFMANs 33-152, *User Responsibilities and Guidance for Information Systems* and 33-282, *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 AFI 31-501, *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 4 January 2017.

2. Purpose. As prescribed in AFI 36-2201, 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 asterisk (*), specialty-wide training requirements. Core Tasks identified with an *R 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 TBA 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 and career development courses.

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 36-2201. For OJT, the tasks in column 1 are trained and qualified to the go/no go level. "Go" means the individual can perform the task without assistance and meets local requirements for accuracy, timeliness, and correct procedures. When used as a JQS, the following requirements apply:

4.1. Documentation. Document and certify completion of training IAW AFI 36-2201. Units converted to TBA 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 AFJQSs and previous CFETPs are replaced by this CFETP; therefore, transcribing of all training records to this CFETP STS is mandatory. Use this CFETP STS (or automated STS) to identify and certify all past and current qualifications. Document and certify all previous and current training IAW AFI 36-2201.

5. STS. A guide for development of promotion tests used in the WAPS. Specialty Knowledge Tests (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 WAPS catalog. Individual responsibilities are in AFI 36-2605, *Air Force Military Personnel Testing System*, 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 10th Ave, Sheppard AFB TX, 76311-2352, DSN 736-1825. 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://etca.randolph.af.mil/>

SECTION C - SUPPORT MATERIAL

1. Support Material. Interactive Courseware (ICW) is available from the 367 TRS/TRSS at Hill AFB Utah. To obtain more information, request a copy of the Courseware Catalog from 367 TRS, 6058 Aspen, Hill AFB UT 84056-5805. Their customer service number is DSN 586-7294. 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. If you decide to purchase the system, they will FAX you the AF Form 616, *Fund Cite Authorization*, to use for an example.

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 736-1825

372 TRS/TD
917 Missile Rd, Suite 200
Sheppard AFB, TX 76311-2852
DSN 736-4788

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

982 TRG: DSN 736-4687

Website: <https://etca.randolph.af.mil/>

2. Air Force In-resident Courses:

NOTE: Unless otherwise stated in the Course Title block below, airframe specific STS elements are trained in the course(s) listed in the 2A3X3 Course Objective Training Matrix, Attachment B.

Table 2.1 Enlisted Initials Skills Courses					
Course Number	Course Title	Location	OPR	USE R	Course Length
J3AQR2A333E000B	Tactical Aircraft Maintenance Apprentice, A-10	Sheppard AFB, TX	362 TRS	USAF	72
J3ABP2A333E000C	Fighter Aircraft Maintenance Apprentice (A-10)	Davis Monthan AFB, AZ	372 TRS	USAF	23
J3AQR2A333E041B	Tactical Aircraft Maintenance Apprentice, U-2 (STS attachment 2 only)	Sheppard AFB, TX	362 TRS	USAF	24
J3ABP2A333E041B	Tactical Aircraft Maintenance Apprentice (U-2) (STS attachment 4 only)	Beale AFB, CA	372 TRS	USAF	45
J3AQR2A333L025B	Tactical Aircraft Maintenance Apprentice (F-15)	Sheppard AFB, TX	362 TRS	USAF	69
J3ABP2A333L025B	Tactical Aircraft Maintenance Apprentice (F-15)	Seymour Johnson AFB, NC	372 TRS	USAF	21
J3AQR2A333M026B	Tactical Aircraft Maintenance Apprentice (F-16)	Sheppard AFB, TX	362 TRS	USAF	82
J3ABP2A333M026B	Tactical Aircraft Maintenance Apprentice (F-16)	Holloman AFB, NM	372 TRS	USAF	20

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 736-1825

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://etca.randolph.af.mil/>

Supplemental Course Number	Course Title	OPR	User
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
J4AMP2AXXX A48A	IMDS Flightline	372 TRS	USAF
J4AMP2AXXX B48A	IMDS Flightline Advanced	372 TRS	USAF
J4AMP2AXXX C48A	IMDS Backshop	372 TRS	USAF
J4AMP2AXXX D48A	IMDS Backshop Advanced	372 TRS	USAF
J4AMP2AXXX E48A	G0-81 Flightline	373 TRS	USAF
J4AMP2AXXX F48A	G0-81 Flightline Advanced	373 TRS	USAF
J4AMP2AXXX G48A	G0-81 Backshop	373 TRS	USAF
J4AMP2AXXX H48A	G0-81 Backshop Advanced	373 TRS	USAF

3. Extension Course Programs. Air Force Institute for Advanced Distributed Learning (AU/A4L) Courses (website: <http://www.au.af.mil/au/afiadl/>).

OPRs: 362 TRS/TRR
613 10th Avenue
Sheppard AFB, TX 76311-2352
DSN 736-1825

Course Number	Course Title	OPR	User
CDC 2AX5X (3 Volumes)	Aerospace Maintenance Journeyman	362 TRS	USAF
CDC 2AX7X (2 Volumes)	Aerospace Maintenance Craftsman	362 TRS	USAF

4. Exportable Courses:

The 367 TRS course catalog can be ordered by contacting the OPR at the following address:

OPR: 367 TRS
6058 Aspen Ave
Hill AFB, UT 84056-5805
DSN 586-7294

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 736-1825

Table 4.1 Exportable Courses			
Course Number	Course Title/Media	OPR	User
J6ANW2AXXX 0W1A	Weight and Balance (General)	362 TRS	USAF
J6AZW2AXXX 0Q1A	Quality Assurance Aircraft	362 TRS	USAF

5. Courses Under Development/Revision. There are currently no courses under development or revision. This area is reserved.

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

JOHN B. COOPER
 Lieutenant General, USAF
 DCS/Logistics, Engineering and Force Protection

8 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
- A. 2AX7X, Aerospace Maintenance Craftsman Qualitative Requirements
- B. 2A3X3 Course Objective Training Matrix

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>N/I</i>	<i>N/I</i>	

QUALITATIVE REQUIREMENTS

Proficiency Code Key		
	Scale Value	Definition: The individual
Task Performance Levels	1	IS EXTREMELY LIMITED (Can do simple parts of the task. Needs to be told or shown how to do most of the task.)
	2	IS PARTIALLY PROFICIENT (Can do most parts of the task. Needs only help on hardest parts.)
	3	IS COMPETENT (Can do all parts of the task. Needs only a spot check of completed work.)
	4	IS HIGHLY PROFICIENT (Can do the complete task quickly and accurately. Can tell or show others how to do the task.)
*Task Knowledge Levels	a	KNOWS NOMENCLATURE (Can name parts, tools, and simple facts about the task.)
	b	KNOWS PROCEDURES (Can determine step-by-step procedures for doing the task.)
	c	KNOWS OPERATING PRINCIPLES (Can identify why and when the task must be done and why each step is needed.)
	d	KNOWS ADVANCED THEORY (Can predict, isolate, and resolve problems about the task.)
**Subject Knowledge Levels	A	KNOWS FACTS (Can identify basic facts and terms about the subject.)
	B	KNOWS PRINCIPLES (Can identify relationship of basic facts and state general principles about the subject.)
	C	KNOWS ANALYSIS (Can analyze facts and principles and draw conclusions about the subject.)
	D	KNOWS EVALUATION (Can evaluate conditions and make proper decisions about the subject.)

Explanations:

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

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

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

This Page Intentionally Left Blank

AIRCRAFT MAINTENANCE COMMON TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level
								(1) Course	(2) CDC	(2) CDC
<p>NOTE 1: Users are responsible for annotating training references pending STS revision.</p> <p>NOTE 2: All task/knowledge items taught in the initial skills course are trained during war time.</p> <p>NOTE 3: Items in column 2 identified with an *R are optional for the AFRC Traditional Reservist (TR) and the ANG Drill Status Guardsman (DSG), for full-time members, core tasks are required.</p>										
A2.1. CAREER LADDER PROGRESSION TR: Air Force Enlisted Classification Directory										
A2.1.1	Progression in career ladder							A	-	-
A2.1.2	Duties of AFS							A	-	-
A2.2. OPERATIONS SECURITY (OPSEC) VULNERABILITY OF AFSC TR: AFI 10-1101										
A2.2.1	Purpose of OPSEC							A	-	-
A2.3. AF CONSOLIDATED OCCUPATIONAL SAFETY INSTRUCTION TR: AFIs 11-218, 21-101 and 91-203; TOs 00-25-172, 1-1-691, and applicable aircraft TOs										
A2.3.1	Housekeeping consistent with safety of personnel and equipment							A	B	-
A2.3.2. Safety precautions pertaining to aircraft maintenance										
A2.3.2.1	Engine air intake and exhaust							A	B	-
A2.3.2.2	High intensity sound							A	B	-
A2.3.2.3	Turbine, propeller, and rotor plane of rotation							A	B	-
A2.3.2.4	Radio frequency radiation							A	B	-
A2.3.2.5	Ground handling of aircraft							A	B	-
A2.3.2.6	Hot brakes							A	B	-
A2.3.2.7	Use of tools and equipment							A	B	-
A2.3.2.8	Servicing aircraft systems							A	B	-
A2.3.2.9	Cleaning agents							A	B	-

AIRCRAFT MAINTENANCE COMMON TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC
A2.3.2.10 Solvents								A	B	-
A2.3.2.11 Lubricants								A	B	-
A2.3.2.12 High pressure gasses								A	B	-
A2.3.2.13 Aircraft explosive equipment								A	B	-
A2.3.2.14 Composite materials								A	B	-
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	-	-
A2.3.3. Portable ground fire extinguishers TR: AFI 32-2001; TO 00-25-172										
A2.3.3.1 Perform pre-use inspection	*							2b	-	-
A2.3.3.2 Position								1b	-	-
A2.3.3.3 Operate								-	-	-
A2.3.4 Foreign Object Damage (FOD) prevention program								A	B	-
A2.3.5 Dropped object prevention program								A	B	-
A2.3.6. Hazardous chemicals TR: AFI 90-821 and 91-203										
A2.3.6.1 Use								A	B	-
A2.3.6.2 Disposal								A	B	-
A2.3.6.3 Hazard communication training program								-	-	-
A2.3.6.4 Hazardous material handling procedures								-	-	-
A2.3.7 AF Form 1492, Warning Tag TR: TO 00-20-1								A	-	-
A2.4. MAINTENANCE DIRECTIVES, REFERENCES, & INSTRUCTIONS TR: AFI 33-360; TO 00-5 series as applicable										
A2.4.1 TO system								A	B	-

AIRCRAFT MAINTENANCE COMMON TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC	
A2.4.2	Air Force manuals and instructions								A	B	-
A2.4.3	Use technical orders								1b	-	-
A2.4.4	TO improvement reporting								-	B	-
A2.4.5	Technical order management								-	-	-
A2.5. SUPERVISION TR: AFIs 21-101 and 36-2403; AFTTP 3-3											
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								-	-	-
A2.6. TRAINING TR: AFIs 36-2201 and 36-2232											
A2.6.1	Evaluate personnel for training								-	-	-
A2.6.2	Plan and supervise OJT								-	-	-
A2.6.3	Counsel trainees on training progress								-	-	-
A2.6.4	Prepare AF Form 797								-	-	-
A2.6.5	Document training records								-	A	-
A2.6.6	Purpose and use of Career Field Education and Training Plan (CFETP)								-	A	-
A2.7. MAINTENANCE MANAGEMENT TR: AFIs 21-101, 21-103 and 90-201; AFMAN 23-110											
A2.7.1	Basic functions within maintenance								A	B	-

AIRCRAFT MAINTENANCE COMMON TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC	
A2.7.2	Resource management								-	B	-
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								-	A	-
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										
A2.8.1	MDD Fundamentals								A	B	-
A2.8.2.	Aircraft and supporting maintenance records										
A2.8.2.1	Purpose								A	B	-
A2.8.2.2	Automated Forms								A	-	-
A2.8.2.3	Document AFTO Form 781H								1b	-	-
A2.8.2.4	Document AFTO Form 781A								1b	-	-
A2.8.2.5	Document AFTO Form 781J								1b	-	-
A2.8.2.6	Document AFTO Form 781K								1b	-	-
A2.8.2.7	Document other AFTO 781 series forms								-	-	-
A2.8.2.8	Document AFTO Form 244/245								1b	-	-
A2.8.2.9	Document AFTO Form 350								1b	-	-
A2.8.2.10	Document AFTO Form 349								-	-	-
A2.8.2.11	Document AFTO Form 95								-	-	-
A2.8.3.	Maintenance Information Systems (MIS)										

AIRCRAFT MAINTENANCE COMMON TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC
A2.8.3.1 Purpose								A	B	-
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								-	A	-
A2.9. MAINTENANCE MATERIALS/TOOLS TR: AFI 21-101; TOs 1-1A-8, 1-1A-14, 1-1-691 and TO 32 series as applicable										
A2.9.1 Tool control								A	B	-
A2.9.2 Select and use special tools								-	-	-
A2.9.3 Select/use restraint harness (e.g.; fall protection/prevention equipment)								-	-	-

AIRCRAFT MAINTENANCE COMMON TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A	B	C	
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level	
A2.9.4	Process Test, Measurement, and Diagnostic Equipment (TMDE)								-	-	-
A2.9.5. Hardware											
A2.9.5.1	Purpose								A	B	-
A2.9.5.2	Remove/inspect/install								2b	-	-
A2.9.6. Electrical connectors											
A2.9.6.1	Purpose								A	B	-
A2.9.6.2	Connect/disconnect								2b	-	-
A2.9.7. Securing devices											
A2.9.7.1	Purpose								A	B	-
A2.9.7.2	Install/remove safety wire								2b	-	-
A2.9.7.3	Install/remove cotter pins								2b	-	-
A2.9.7.4	Safety cable								A	-	-
A2.9.8	Lubricants								A	B	-
A2.9.9	Sealants								A	B	-
A2.9.10	Adhesives								A	B	-
A2.9.11	Cleaning agents								A	B	-
A2.9.12. Hand tools											
A2.9.12.1	Purpose								A	-	-
A2.9.12.2	Select, inspect and use								2b	-	-
A2.9.13. Measuring tools											
A2.9.13.1	Purpose								A	B	-
A2.9.13.2	Select and use ruler								2b	-	-
A2.9.13.3	Select and use thickness gauge								2b	-	-
A2.9.13.4	Use multi-meter								2b	-	-
A2.9.13.5	Select, inspect and use torque wrench								2b	-	-

AIRCRAFT MAINTENANCE COMMON TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC	
A2.9.13.6	Select and use micrometer								-	-	-
A2.9.13.7	Use depth gauge								2b	-	-
A2.10. RESPONSIBILITY FOR SUPPLY TR: AFI 21-101; AFMAN 23-110; TOs 00-20-3 and 00-35D-54											
A2.10.1	Maintenance supply concept								A	B	-
A2.10.2	Standard Base Supply System (SBSS)								-	-	-
A2.10.3	Special requisition (GPC, local purchase)								-	-	-
A2.10.4	Ordering parts								A	B	-
A2.10.5	Priority system								A	-	-
A2.10.6	Prepare repairable and serviceable parts for turn-in								-	B	-
A2.10.7	Repair cycle assets								-	-	-
A2.10.8	Due-in From Maintenance (DIFM) Control								-	B	-
A2.10.9	Local manufacture of parts								-	-	-
A2.10.10	Equipment account management								-	-	-
A2.10.11	Deficiency reporting								-	B	-
A2.10.12	Warranty programs								-	B	-
A2.10.13	DD Forms 1574, 1575, 1576, 1577 and 1577-2								-	B	-
A2.10.14	Classified asset handling								-	-	-
A2.11. AIRCRAFT GENERAL TR: AFI 11-218; TOs 00-20-1, 00-25-172, 1-1-691, 1-1B-50 and applicable aircraft TOs											
A2.11.1	Weight and balance								A	B	-
A2.11.2	Determine weight and balance requirements								-	-	-
A2.11.3	Inventory aircraft equipment								-	A	-
A2.11.4	Safe aircraft for maintenance								A	-	-

AIRCRAFT MAINTENANCE COMMON TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC	
A2.11.5. Corrosion control program											
A2.11.5.1	Aircraft cleaning								A	B	-
A2.11.5.2	Corrosion identification								A	B	-
A2.11.5.3	Corrosion treatment								A	B	-
A2.11.5.4	Aircraft lubrication								A	B	-
A2.11.6. Aircraft inspections											
A2.11.6.1	Concepts and types								A	B	-
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	B	-
A2.11.7.2	Towing								A	B	-
A2.11.7.3	Mooring								A	B	-
A2.11.8	Aircraft marshalling signals	*							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								-	A	-

AIRCRAFT MAINTENANCE COMMON TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC	
A2.12. AIRFRAME TR: Applicable aircraft TOs											
A2.12.1	Structure								A	B	-
A2.12.2	Remove/inspect/install panels								1b	-	-
A2.12.3	Inspect structural components								-	-	-
A2.13. LANDING GEAR TR: Applicable aircraft TOs											
A2.13.1	System fundamentals								A	B	-
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	-	-
A2.14. UTILITIES TR: Applicable aircraft TOs											
A2.14.1. System fundamentals											
A2.14.1.1	Oxygen								A	B	-
A2.14.1.2	Bleed air								A	B	-
A2.14.1.3	Pressurization								A	B	-
A2.14.1.4	Air conditioning								A	B	-
A2.14.1.5	Fire/overheat warning								A	B	-
A2.14.1.6	Fire suppression								A	B	-
A2.15. FLIGHT CONTROLS TR: Applicable aircraft TOs											
A2.15.1	Fundamentals of flight								A	B	-

AIRCRAFT MAINTENANCE COMMON TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A	B	C	
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level	
								(1) Course	(2) CDC	(2) CDC	
A2.15.2	Primary flight control fundamentals								A	-	-
A2.15.3	Secondary flight control fundamentals								A	-	-
A2.15.4	Component identification								A	-	-
A2.15.5	Operate flight controls								1b	-	-
A2.16.	HYDRAULICS										
	TR: TO 1-1A-8 and applicable aircraft TOs										
A2.16.1	System fundamentals								A	B	-
A2.16.2.	Remove/install components										
A2.16.2.1	Tubing/hoses								-	-	-
A2.16.2.2	Fittings								-	-	-
A2.16.2.3	Filter elements								-	-	-
A2.16.3	Hydraulic schematics / diagrams								A	-	-
A2.17.	ENGINES										
	TR: Applicable aircraft TOs										
A2.17.1	System fundamentals								A	B	-
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: AFI 91-203; TOs 00-25-172, 1-1-3 and applicable aircraft TOs										
A2.18.1	System fundamentals								A	B	-
A2.18.2	Classify fuel leaks								A	-	-
A2.19.	ELECTRICAL										
	TR: Applicable aircraft TOs										
A2.19.1	AC electrical system fundamentals								A	B	-
A2.19.2	DC electrical system fundamentals								A	B	-

AIRCRAFT MAINTENANCE COMMON TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC	
A2.19.3	Wire repair								A	-	-
A2.19.4	Fiber optics								A	-	-
A2.19.5	Electrical bonding								A	-	-
A2.19.6	Databus								A	-	-
A2.19.7	Electrical schematics / diagrams								A	-	-
A2.20.	SUPPORT EQUIPMENT TR: AFI 91-203; applicable equipment TOs										
A2.20.1.	Maintenance stands										
A2.20.1.1	Purpose and description								A	B	-
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								A	B	-
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	B	-
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	B	-
A2.20.5.1.2	Perform pre-use inspection and operate								-	-	-
A2.20.5.2.	Gaseous oxygen (GOX)										

AIRCRAFT MAINTENANCE COMMON TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC
A2.20.5.2.1 Purpose and description								A	B	-
A2.20.5.2.2 Perform pre-use inspection and operate								-	-	-
A2.20.6. Diesel air compressors TR: TO 34Y1 series as applicable										
A2.20.6.1 Purpose and description								A	B	-
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	B	-
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	B	-
A2.20.8.2 Perform pre-use inspection and operate								-	-	-
A2.20.9. Hydraulic test stand TR: TO 33A2 series as applicable										
A2.20.9.1 Purpose and description								A	B	-
A2.20.10. Air conditioning units TR: TO 35E9 Series as applicable										
A2.20.10.1 Purpose and description								A	B	-
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 35D12 series as applicable										
A2.20.11.1.1 Purpose and description								A	B	-
A2.20.11.1.2 Perform pre-use inspection and operate								2b	-	-
A2.20.11.2. A/M32A-95 gas turbine compressor TR: TO 35D12series as applicable										

AIRCRAFT MAINTENANCE COMMON TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC
A2.20.11.2.1 Purpose and description								A	B	-
A2.20.11.3. Diesel driven generator sets TR: TO 35C2 series as applicable										
A2.20.11.3.1 Purpose and description								A	B	-
A2.20.11.3.2 Perform pre-use inspection and operate								2b	-	-
A2.20.12. Tow bar TR: Applicable aircraft TOs										
A2.20.12.1 Perform pre-use inspection								-	-	-
A2.20.12.2 Connect/disconnect								-	-	-
A2.20.13. Tow vehicles TR: TO 36A10 series as applicable										
A2.20.13.1 Purpose and description								-	B	-
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	B	-
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	B	-
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								-	-	-

This Page Intentionally Left Blank

A-10 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC	
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 *R are optional for the AFRC Traditional Reservist (TR) and the ANG Drill Status Guardsman (DSG), for full-time members, Core Tasks are required.											
A3.1. AIRCRAFT GENERAL											
A3.1.1	Phased inspection concept								A	-	-
A3.1.2	Types of special inspections								A	-	-
A3.1.3	Perform safe aircraft for maintenance procedure		*						3c	-	-
A3.1.4.	Perform inspections TR: Applicable 1A-10()-6 TOs										
A3.1.4.1	Phase								-	-	-
A3.1.4.2	Preflight		*						-	-	-
A3.1.4.3	Thruflight		*						-	-	-
A3.1.4.4	Basic postflight		*						-	-	-
A3.1.4.5	Combined preflight/postflight		*						3c	-	-
A3.1.4.6	Launch aircraft		*						3c	-	-
A3.1.4.7	Recover aircraft		*						3c	-	-
A3.1.4.8	End of runway								-	-	-
A3.1.4.9.	Perform special inspections										
A3.1.4.9.1	Gun bay			*					-	-	-
A3.1.4.9.2	Acceptance								-	-	-
A3.1.4.9.3	Over-G								-	-	-
A3.1.4.9.4	Engine bay			*					-	-	-
A3.1.5.	Perform ground handling TR: AFIs 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		*						2b	-	-
A3.1.5.1.2	Perform tow team supervisor duties			*					-	-	-

A-10 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC	
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	*						2b	-	-	
A3.1.5.3.2	Perform jacking team supervisor duties		*					-	-	-	
A3.1.5.3.3	Perform axle jacking duties	*						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							2b	-	-	
A3.1.5.6	Assist in weight and balance TR: TO 1-1B-50							-	-	-	
A3.1.6.	A-10 technical orders TR: TO 1A-10()-01										
A3.1.6.1	Use technical orders	*						3c	-	-	
A3.1.6.2	Use Illustrated Parts Breakdown (IPB)	*						2b	-	-	
A3.1.7.	Aircraft and supporting maintenance records TR: TO 00-20-1										
A3.1.7.1	Document AFTO Form 781H	*						3c	-	-	
A3.1.7.2	Document AFTO Form 781A	*						3c	-	-	
A3.1.7.3	Document AFTO Form 781J	*						3c	-	-	
A3.1.7.4	Document AFTO Form 781K	*						3c	-	-	
A3.1.7.5	Document DD Form 2026							2b	-	-	
A3.2.	AIRFRAME TR: 1A-10()-2 series TOs										
A3.2.1	Components and construction							A	-	-	
A3.2.2.	Remove/install, open/close airframe components										
A3.2.2.1	Stress panels	*						2b	-	-	
A3.2.2.2	Doors	*						2b	-	-	
A3.2.2.3	Variable ballast							a	-	-	

A-10 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC	
A3.2.2.4	Fixed ballast								a	-	-
A3.2.2.5	Outer nacelle doors	*							2b	-	-
A3.2.2.6	Inner shrouds	*							2b	-	-
A3.2.2.7	Cargo pods								-	-	-
A3.2.3. Windscreen											
A3.2.3.1	Raise/lower	*							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								-	-	-
A3.3. LANDING GEAR SYSTEMS TR: Applicable -2 TOs											
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		*						-	-	-
A3.3.2.4	Steering system								-	-	-
A3.3.2.5	Anti-skid system								-	-	-
A3.3.2.6	Auxiliary extension system								2b	-	-
A3.3.2.7	Brakes	*							1b	-	-
A3.3.2.8	Drag strut actuators								-	-	-
A3.3.2.9	Emergency brake system	*							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	*							-	-	-

A-10 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC	
A3.3.3.3	Perform MLG shock strut servicing								2b	-	-
A3.3.4	Service tires	*							3c	-	-
A3.3.5.	Remove/install landing gear components										
A3.3.5.1	Nose wheel and tire assembly	*							2b	-	-
A3.3.5.2	Main wheel and tire assembly	*							2b	-	-
A3.3.5.3	Dual brake control valve								-	-	-
A3.3.5.4	Rig dual brake control valve								-	-	-
A3.3.5.5	Brake assembly	*							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	*							-	-	-
A3.3.5.12	Uplock actuators								-	-	-
A3.3.6	Determine serviceability of aircraft tires TR: 4T-1-3	*							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								-	-	-
A3.4.	UTILITY SYSTEM TR: TO 1A-10()-2-21JG-8										
A3.4.1	Components and operation								A	-	-

A-10 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC	
A3.4.2. Oxygen system TR: TOs 00-25-172 and 37C2-8											
A3.4.2.1	Service	*							2b	-	-
A3.4.2.2	Remove/inspect/install Liquid Oxygen (LOX) converter	*							2b	-	-
A3.4.2.3	Drain								-	-	-
A3.4.3	Perform windshield wash servicing								-	-	-
A3.5. FLIGHT CONTROL SYSTEM TR: TO 1A-10()-2-27JG series TOs											
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											

A-10 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC
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										
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										

A-10 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC
A3.5.5.1 Primary								-	-	-
A3.5.5.2 Secondary								-	-	-
A3.6. HYDRAULIC SYSTEM TR: TOs 1A-10(-)-2-12 and -29JG-1										
A3.6.1 Components and operation								A	-	-
A3.6.2. Service										
A3.6.2.1 Accumulators	*							2b	-	-
A3.6.2.2 Reservoir	*							2b	-	-
A3.6.3 Bleed		*						-	-	-
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								-	-	-
A3.7. ENGINE SYSTEM TR: 1A-10(-)-2-71JG series TOs										
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								-	-	-

A-10 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC	
A3.7.2.5 Engine									-	-	-
A3.7.2.6 Throttle quadrants									-	-	-
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		*							-	-	-
A3.7.4 Rig throttle									-	-	-
A3.7.5 Take oil sample TR: TO 1A-10()-2-12JG-1	*								3c	-	-
A3.7.6. Service											
A3.7.6.1 Oil system	*								3c	-	-
A3.7.6.2 IDG	*								-	-	-
A3.7.6.3 Air turbine starter	*								-	-	-
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	-	-

A-10 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC
A3.7.11.2 Service APU	*							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								-	-	-
A3.8. FUEL SYSTEM TR: 1A-10(-)-2-12 and -28 series TOs										
A3.8.1. Components and operation										
A3.8.1.1 Internal								A	-	-
A3.8.1.2 External								A	-	-
A3.8.2 Refuel aircraft	*							3c	-	-
A3.8.3. Defuel aircraft										
A3.8.3.1 Perform team member duties	*							1b	-	-
A3.8.3.2 Perform team supervisor duties		*						-	-	-
A3.8.4 Remove/install external fuel tanks	*							-	-	-
A3.8.5 Perform leak and transfer check	*							-	-	-
A3.8.6. Universal Aerial Refueling Receptacle Slipway Installation (UARRSI)										
A3.8.6.1 System components and operation								A	-	-
A3.9. ELECTRICAL SYSTEM TR: TO 1A-10(-)-2-24JG series										
A3.9.1 Components and operation								A	-	-

A-10 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC	
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	*							3c	-	-
A3.9.3	Apply external electrical power	*							3c	-	-
A3.10. EGRESS SYSTEM TR: TOs 1A-10()-2-4-1 and -51JG-1											
A3.10.1	Components and operation								A	-	-
A3.10.2	Perform cockpit entry procedures	*							3c	-	-
A3.10.3. Operate canopy system											
A3.10.3.1	Perform normal canopy operation	*							3c	-	-
A3.10.3.2	Perform manual canopy operation	*							3c	-	-
A3.10.4	Perform seat operation								3c	-	-
A3.10.5. Remove/install											
A3.10.5.1	Canopy								-	-	-
A3.10.5.2	Actuator								-	-	-
A3.10.6	Rig canopy								-	-	-
A3.11. SUPPORT EQUIPMENT TR: AFI 91-203; applicable equipment TOs											
A3.11.1. Perform pre-use inspection and operate											
A3.11.1.1	Hydraulic test stand TR: TO 33A2- series as applicable	*							2b	-	-
A3.11.1.2	Oil servicing carts TR: TO 35A17- series as applicable	*							2b	-	-

A-10 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC
A3.11.1.3 Hydraulic servicing carts TR: TO 35D29 series as applicable	*							2b	-	-
A3.11.1.4 Engine removal/installation trailer TR: TO 35D3 series								-	-	-
A3.11.1.5 LOX servicing equipment TR: TO 37C2-8	*							2b	-	-
A3.11.1.6 Engine hoist and beams TR: TO 35D4-2-67-1								-	-	-

This Page Intentionally Left Blank

U-2 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC

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 *R are optional for the AFRC Traditional Reservist (TR) and the ANG Drill Status Guardsman (DSG), for full-time members, core tasks are required.

A4.1. AIRCRAFT GENERAL											
A4.1.1. Use technical data											
A4.1.1.1	Technical manuals	*							3c	-	-
A4.1.1.2	Illustrated parts breakdown								3c	-	-
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	*							3c	-	-
A4.1.2.2	Document AFTO Form 781A	*							3c	-	-
A4.1.2.3	Document AFTO Form 781J	*							3c	-	-
A4.1.2.4	Document AFTO Form 781K	*							3c	-	-
A4.1.2.5	Document DD Form 2026	*							3c	-	-
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								A	-	-
A4.1.3.2. Perform inspections											
A4.1.3.2.1	Periodic								-	-	-
A4.1.3.2.2	Preflight	*							-	-	-
A4.1.3.2.3	Thruflight	*							-	-	-
A4.1.3.2.4	Basic postflight (BPO)	*							-	-	-

U-2 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC	
A4.1.3.2.5	Combine BPO/pre-flight	*							3c	-	-
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		*						-	-	-
A4.1.3.2.8.2	Team member	*							3c	-	-
A4.1.3.2.9.	Special inspections										
A4.1.3.2.9.1	Hard/abnormal landing								-	-	-
A4.1.3.2.9.2	Airframe overspeed								-	-	-
A4.1.3.2.9.3	Engine bay		*						-	-	-
A4.1.3.2.9.4	Aft section		*						-	-	-
A4.1.3.2.9.5	Acceptance								-	-	-
A4.1.3.2.9.6	Calendar								-	-	-
A4.1.4.	Perform ground handling TR: AFI 11-218 and 91-203; TO 00-25-172; TM 1U-2S-2-1										
A4.1.4.1	Launch aircraft	*							3c	-	-
A4.1.4.2	Recover aircraft	*							3c	-	-
A4.1.4.3	Wing riding member								-	-	-
A4.1.4.4	Wing riding supervisor		*						-	-	-
A4.1.4.5	Hand launch member								-	-	-
A4.1.4.6	Hand launch supervisor		*						-	-	-
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	*							3c	-	-

U-2 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC	
A4.1.4.10.2	Tow vehicle operator								-	-	-
A4.1.4.10.3	Tow team supervisor		*						-	-	-
A4.1.4.11	Moor aircraft	*							3c	-	-
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								2b	-	-
A4.1.4.14.2	Tail landing gear								2b	-	-
A4.1.4.15.	Cart aircraft										
A4.1.4.15.1	RG130 cart team member	*							-	-	-
A4.1.4.15.2	RG130 cart team supervisor		*						-	-	-
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								2b	-	-
A4.1.4.17	Safe aircraft for maintenance	*							3c	-	-
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										
A4.1.5.1	Complete course J6ANW2AXXX 0W1A		*						-	-	-
A4.1.5.2	Compute weight and balance		*						-	-	-
A4.1.5.3	Verify weight and balance		*						-	-	-
A4.1.6	Perform electrical bonding								-	-	-
A4.2.	AIRFRAME TR: TMs 1U-2S-2-1, -2, and -12, 1U-2S-6WC-1EB										

U-2 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC	
A4.2.1	Components and construction								A	-	-
A4.2.2	Cadmium precautions								A	-	-
A4.2.3.	Remove/install										
A4.2.3.1	Nose (RX69-10)								2b	-	-
A4.2.3.2	Doors and fairings	*							-	-	-
A4.2.3.3	Hatches	*							3c	-	-
A4.2.3.4	Access panels	*							3c	-	-
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	*							3c	-	-
A4.2.4.2	Wing folds								-	-	-
A4.2.4.3	Canopy	*							3c	-	-
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								-	-	-

U-2 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC	
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								-	-	-
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								-	-	-
A4.3. LANDING GEAR SYSTEMS TR: TMs U-2S-2-1, 1U-2S-2-3, RL 114, and 4T-1-3											
A4.3.1	Components and system operation								A	-	-
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	*							-	-	-
A4.3.7.2	Tires TR: TM 1U-2S-2-1	*							2b	-	-
A4.3.8. Remove/install											

U-2 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC	
A4.3.8.1. Wheel and tire assemblies											
A4.3.8.1.1	Main landing gear	*							2b	-	-
A4.3.8.1.2	Tail landing gear	*							2b	-	-
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	*							3c	-	-
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								-	-	-
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	*							3c	-	-
A4.3.12. Rig and adjust											
A4.3.12.1	Main landing gear actuator								-	-	-
A4.3.12.2	Tail landing gear actuator								-	-	-

U-2 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC	
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								-	-	-
A4.4.	UTILITY SYSTEMS										
	TR: TMs 1U-2S-2-6 and 1U-2S-2-4										
A4.4.1	Components and system operation								A	-	-
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								-	-	-

U-2 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC	
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)	*							2b	-	-
A4.4.4.2	Drain LOX								-	-	-
A4.4.5. Nitrogen system 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	*							2b	-	-
A4.4.6	Operate canopy and hatch seal system	*							2b	-	-
A4.5. FLIGHT CONTROL SYSTEM TR: 1U-2S-2-2, 1U-2ST-2											
A4.5.1	Components and system operation								A	-	-
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											

U-2 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC	
A4.5.3.1 Primary flight controls											
A4.5.3.1.1									-	-	-
A4.5.3.1.2									-	-	-
A4.5.3.1.3									-	-	-
A4.5.3.1.4									-	-	-
A4.5.3.1.5									-	-	-
A4.5.3.1.6									-	-	-
A4.5.3.1.7									-	-	-
A4.5.3.2. Secondary flight controls											
A4.5.3.2.1									-	-	-
A4.5.3.2.2									-	-	-
A4.5.3.2.3									-	-	-
A4.5.3.2.4									-	-	-
A4.5.3.2.5									-	-	-
A4.5.3.2.6									-	-	-
A4.5.3.2.7									-	-	-
A4.5.3.2.8									-	-	-
A4.5.3.2.9									-	-	-
A4.5.3.2.10									-	-	-
A4.5.3.2.11									-	-	-
A4.5.3.2.12									-	-	-
A4.5.3.2.13									-	-	-
A4.5.3.2.14									-	-	-
A4.5.4. Rig and adjust											
A4.5.4.1. Primary flight controls											

U-2 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC	
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								-	-	-
A4.6. HYDRAULIC SYSTEM TR: TMs 1U-2S-2-1 and 1U-2S-2-3											
A4.6.1	Components and system operation								A	-	-
A4.6.2. Service											
A4.6.2.1	Reservoir	*							2b	-	-

U-2 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC	
A4.6.2.2	Accumulators	*							2b	-	-
A4.6.3	Apply external hydraulic power	*							-	-	-
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								-	-	-

U-2 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC	
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								-	-	-
A4.7.	ENGINE SYSTEM TR: AFI 91-203; TMs 1U-2S-2-1, -2, and -4										
A4.7.1	Components and system operation								A	-	-
A4.7.2	Operate engine and subsystems								-	-	-
A4.7.3.	Service										
A4.7.3.1	Oil system	*							-	-	-
A4.7.3.2	AMAD	*							2b	-	-
A4.7.4.	Drain										
A4.7.4.1	Oil system	*							-	-	-
A4.7.4.2	AMAD	*							-	-	-
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	*							-	-	-

U-2 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC	
A4.7.5.10	Engine run screens								-	-	-
A4.7.6	Take engine oil sample TR: TOs 42B2-1-9 and 33-1-37	*							3c	-	-
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								-	-	-
A4.8.	FUEL SYSTEM TR: AFI 91-203; TMs 1U-2S-2-1, 1U-2S-2-4, and 1U-2S-2-5; TOs 00-25-172 and 1-1-3										
A4.8.1	Components and system operation								A	-	-
A4.8.2	Operate internal fuel system								2b	-	-
A4.8.3.	Refuel and defuel aircraft										
A4.8.3.1	Perform team member duties	*							3c	-	-

U-2 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC	
A4.8.3.2	Perform team supervisor duties		*						-	-	-
A4.8.4	Prepare aircraft for fuel cell maintenance								-	-	-
A4.8.5	Set electronic fuel counter							3c	-	-	
A4.9. ELECTRICAL SYSTEM TR: TM 1U-2S-2-8											
A4.9.1	Components and system operation								A	-	-
A4.9.2	Connect, apply, and disconnect external electrical power	*							3c	-	-
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								3c	-	-
A4.9.4. Remove/install											
A4.9.4.1	Light lenses								-	-	-
A4.9.4.2	Lamps and bulbs								-	-	-
A4.9.4.3	Batteries								-	-	-
A4.10. EGRESS SYSTEM TR: TMs 1U-2S-2-1 and 1U-2S-2-2											
A4.10.1	Components and system operation								A	-	-
A4.10.2	Perform cockpit entry procedures	*							3c	-	-
A4.11. SUPPORT EQUIPMENT TR: AFI 91-203; TMs 1U-2S-2-1 and 1U-2S-2-2; Applicable equipment TOs											
A4.11.1. Perform pre-use inspection and operate											
A4.11.1.1	Hydraulic fluid tester RG10-60 TR: TO 33A2 series								2b	-	-
A4.11.1.2	Engine transfer trailer TR: TO 35D3 series								-	-	-

U-2 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC	
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							2b	-	-	
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	*						3c	-	-	
A4.11.1.9	AM32A-95 TR: Applicable TM	*						3c	-	-	
A4.11.1.10	Shelter power unit (EPU-G/E) TR: 35CL-4-146-1								-	-	-
A4.11.1.11	Sulky (RG 38) TR: TM 1U-2S-2-1							2b	-	-	
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							3c	-	-	
A4.11.1.16	MLG jack assembly (RG148)							2b	-	-	
A4.11.1.17	Q-bay hoist assembly (RG52)							2b	-	-	
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)							3c	-	-	
A4.11.1.21	Mooring equipment							3c	-	-	
A4.11.1.22	Engine run-up kit (RG17) (RG44 deadman, or RG221 spreader bar)								-	-	-

U-2 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC
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								2b	-	-
A4.11.1.27 Oil servicing carts TR: TO 35A17- series as applicable								2b	-	-
A4.11.1.28 Hydraulic servicing carts TR: TO 35D29 series as applicable								2b	-	-
A4.11.1.29 LOX servicing equipment TR: TOs 37C2-8 series	*							2b	-	-

F-15 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC

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 *R are optional for the AFRC Traditional Reservist (TR) and the ANG Drill Status Guardsman (DSG), for full-time members, core tasks are required.

A5.1. AIRCRAFT GENERAL											
TR: TOs 00-20-1, 00-5-1;											
Applicable 1F-15(-)-2-05 series TOs											
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	*							3c	-	-
A5.1.4. E-tools											
A5.1.4.1	Use technical orders	*							3c	-	-
A5.1.5. Aircraft and supporting maintenance records											
A5.1.5.1	Document AFTO Form 781H	*							3c	-	-
A5.1.5.2	Document AFTO Form 781A	*							3c	-	-
A5.1.5.3	Document AFTO Form 781J	*							3c	-	-
A5.1.5.4	Document AFTO Form 781K	*							3c	-	-
A5.1.5.5	Document DD Form 2026	*							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	*							-	-	-
A5.1.6.3.2	Basic postflight	*							-	-	-
A5.1.6.3.3	Preflight/basic postflight combination	*							3c	-	-
A5.1.6.3.4	End of runway								-	-	-

F-15 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC
A5.1.6.3.5 Launch aircraft	*							3c	-	-
A5.1.6.3.6 Recover aircraft	*							3c	-	-
A5.1.6.3.7 Combined thruflight	*							-	-	-
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								-	-	-
A5.1.6.4.2 Over-G								-	-	-
A5.1.6.4.3 Lightning strike								-	-	-
A5.1.6.4.4 Engine bay	*							-	-	-
A5.1.6.4.5 Intake and exhaust inspection								-	-	-
A5.1.7. Ground handling TR: AFIs 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	*							2b	-	-
A5.1.7.1.2 Perform tow team supervisor duties		*						-	-	-
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	*							2b	-	-
A5.1.7.3.2 Perform jacking supervisor duties		*						-	-	-
A5.1.7.4 Perform axle jacking	*							2b	-	-

F-15 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A	B	C	
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level	
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	*							2b	-	-
A5.1.7.7	Apply external cooling air, F-15C/D								2b	-	-
A5.1.7.8	Apply external cooling air, F-15E only	*							-	-	-
A5.1.7.9	Remove/install ballast								-	-	-
A5.1.7.10	Wash aircraft								-	-	-
A5.2. AIRFRAME TR: Applicable 1F-15(-)-3 TOs											
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	*							-	-	-
A5.2.5.4	Radome								-	-	-
A5.2.6. Open/close											
A5.2.6.1	Hingeable doors	*							2b	-	-
A5.2.6.2	Radome	*							2b	-	-
A5.2.7. Canopy 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								-	-	-

F-15 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC	
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	*							3c	-	-
A5.2.7.5.2	Normal	*							3c	-	-
A5.2.7.6. Service											
A5.2.7.6.1	Actuator	*							2b	-	-
A5.2.7.6.2	Accumulator	*							2b	-	-
A5.3. LANDING GEAR SYSTEM TR: 1F-15()-2-32 series TOs											
A5.3.1	Components and system operation								A	-	-
A5.3.2. Perform operational check of normal systems											
A5.3.2.1	Landing gear	*							1b	-	-
A5.3.2.2	Brakes								-	-	-
A5.3.2.3	Anti-skid								-	-	-

F-15 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC
A5.3.3 Operate arresting gear								1b	-	-
A5.3.4. Operate emergency system										
A5.3.4.1 Landing gear extension	*							1b	-	-
A5.3.4.2 Brakes	*							-	-	-
A5.3.4.3 Steering								-	-	-
A5.3.5. Nose wheel steering system										
A5.3.5.1 Nose wheel steering components								A	-	-
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	*							-	-	-
A5.3.5.4 Perform abbreviated check of nose wheel steering	*							2b	-	-
A5.3.6. Rig										
A5.3.6.1 Landing gear								-	-	-
A5.3.6.2 Nose wheel steering		*						-	-	-
A5.3.6.3 Arresting gear								-	-	-
A5.3.7. Service										
A5.3.7.1. Landing gear struts										
A5.3.7.1.1 Nose	*								-	-
A5.3.7.1.2 Nose (ground, hydraulic)								2b	-	-
A5.3.7.1.3 Main	*							-	-	-
A5.3.7.1.4 Main (ground, hydraulic)								2b	-	-
A5.3.7.2 Tires TR: Applicable -2 TOs	*							3c	-	-

F-15 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC
A5.3.7.3 Arresting gear actuator	*							2b	-	-
A5.3.7.4 Arresting gear damper	*							2b	-	-
A5.3.8. Remove/install										
A5.3.8.1 Main wheel and tire assembly	*							2b	-	-
A5.3.8.2 Nose wheel and tire assembly	*							2b	-	-
A5.3.8.3. Brake system components										
A5.3.8.3.1 Brake assemblies	*							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								-	-	-
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								-	-	-

F-15 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A	B	C	
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level	
A5.3.8.5.2									-	-	-
A5.3.8.5.3									-	-	-
A5.3.8.5.4	*								2b	-	-
A5.3.8.5.5									-	-	-
A5.3.8.5.6									-	-	-
A5.3.8.5.7									-	-	-
A5.3.9	*								2b	-	-
A5.3.10	*								3c	-	-
A5.3.11									-	-	-
A5.3.12. Build-up wheel and tire assembly											
A5.3.12.1									-	-	-
A5.3.12.2									-	-	-
A5.3.13	*								2b	-	-
A5.3.14									-	-	-
A5.3.15									-	-	-
A5.4. UTILITIES TR: Applicable 1F-15(-)-2 series TOs											
A5.4.1									A	-	-
A5.4.2. Perform operational check											
A5.4.2.1									-	-	-
A5.4.2.2									-	-	-
A5.4.2.3									-	-	-
A5.4.2.4									-	-	-
A5.4.2.5									-	-	-
A5.4.2.6									-	-	-

F-15 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC	
A5.4.2.7 Oxygen system quantity									-	-	-
A5.4.3 Inspect fire/overheat warning system TR: 1F-15()-2-26JG-10-1									-	-	-
A5.4.4 Service Liquid Oxygen (LOX) system F-15C/D only TR: TOs 00-25-172, 15X-1-1	*								-	-	-
A5.4.5 Remove/inspect/install LOX converter F-15C/D only	*								-	-	-
A5.5. FLIGHT CONTROL SYSTEM TR: 1F-15()-2-27 series TOs											
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									-	-	-
A5.5.4 Perform directional control system bleed									-	-	-
A5.5.5. Remove/install											
A5.5.5.1 Aileron	*R								-	-	-
A5.5.5.2 Rudder	*								-	-	-
A5.5.5.3 Stabilator									-	-	-
A5.5.5.4 Speed brake	*R								-	-	-
A5.5.5.5 Flap	*R								-	-	-
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	*								-	-	-

F-15 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC
A5.5.5.12.2 Rudder	*							-	-	-
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								-	-	-
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								-	-	-
A5.6. HYDRAULIC SYSTEM TR: 1F-15(-)-2-29 series TOs										
A5.6.1 Components and system operation								A	-	-
A5.6.2. Service reservoir										

F-15 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC
A5.6.2.1 PC1/PC2	*							-	-	-
A5.6.2.2 Utility	*							2b	-	-
A5.6.3 Drain								-	-	-
A5.6.4 Flush								-	-	-
A5.6.5 Apply hydraulic pressure	*							2b	-	-
A5.6.6 Bleed hydraulic system		*						-	-	-
A5.6.7. Remove/install										
A5.6.7.1 Lines	*							-	-	-
A5.6.7.2 Pumps	*							b	-	-
A5.6.7.3. Manifolds										
A5.6.7.3.1 Pump manifolds	*							-	-	-
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	*							-	-	-
A5.6.7.5.5 Pressure transmitter	*							-	-	-
A5.6.7.5.6 Pressure switch								-	-	-
A5.6.8 Troubleshoot								-	-	-
A5.7. ENGINE SYSTEM TR: AFI 91-203; TO 1F-15()-2-71 series TOs										
A5.7.1 Components and system operation								A	-	-
A5.7.2 Engine monitoring system								-	-	-
A5.7.3 Operate engine								-	-	-

F-15 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC	
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	*							3c	-	-
A5.7.5.2	Service	*							2b	-	-
A5.7.5.3	Take oil sample	*							3c	-	-
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)								-	-	-

F-15 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A	B	C
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC
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										
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)	*							-	-	-
A5.7.8.4. Service										
A5.7.8.4.1 JFS accumulator	*							3c	-	-
A5.7.8.4.2 Central Gear Box (CGB)	*							2b	-	-
A5.7.8.4.3 Aircraft Mounted Accessory Drives (AMAD)	*							2b	-	-
A5.7.8.5. Remove/install										
A5.7.8.5.1 JFS	*							-	-	-
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								-	-	-

F-15 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC
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	*							-	-	-
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	*							-	-	-
A5.7.8.5.25 AMAD chip detector								-	-	-
A5.7.8.5.26 AMAD oil filter and differential pressure indicator	*							3c	-	-
A5.7.8.5.27 AMAD pawl carrier	*							-	-	-
A5.7.8.5.28 AMAD oil pump and switch assembly								-	-	-
A5.7.8.5.29 AMAD encased seals		*R						-	-	-
A5.7.8.5.30 AMAD carbon seals		*R						-	-	-
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								-	-	-

F-15 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC
A5.7.8.5.34 AMAD Power Take-off (PTO)	*							-	-	-
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		*						-	-	-
A5.8. FUEL SYSTEM TR: AFI 91-203; TO 00-25-172; 1F-15(-)-2-05, -12 and -28 series TOs										
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	*							3c	-	-
A5.8.4. Refuel aircraft power-on										
A5.8.4.1 Team member	*R							-	-	-
A5.8.4.2 Team supervisor		*R						-	-	-
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								-	-	-
A5.8.7. Defuel aircraft power-on										
A5.8.7.1 Team member	*							-	-	-
A5.8.7.2 Team supervisor		*						-	-	-
A5.8.8 Prepare aircraft for fuel cell maintenance								-	-	-
A5.8.9. External fuel tanks										
A5.8.9.1 Remove/inspect/install	*							2b	-	-

F-15 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC	
A5.8.9.2	Perform operational check	*							-	-	-
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										
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	*							-	-	-
A5.8.11.2	Defuel/depuddle	*							-	-	-
A5.8.11.3	Perform operational check								-	-	-
A5.8.11.4	Inspect and use conformal fuel tank dolly	*							-	-	-
A5.8.11.5	Inspect and use conformal fuel tank hard stands	*							-	-	-
A5.9.	ELECTRICAL SYSTEM TR: TO 1F-15()-2-24 and - 33 series TOs										
A5.9.1	Components and system operation								A	-	-
A5.9.2	Connect/apply/disconnect external electrical power	*							3c	-	-
A5.9.3.	Operate										
A5.9.3.1	Internal lighting	*							3c	-	-
A5.9.3.2	External lighting	*							3c	-	-
A5.9.3.3	Indicator/warning lights	*							3c	-	-

F-15 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC	
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	*							2b	-	-
A5.9.4.1.2	Taxi light	*							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	*							2b	-	-
A5.9.4.1.6	Stab position light	*							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											
A5.9.5.1	Service	*							2b	-	-
A5.9.5.2	Drain								-	-	-
A5.9.5.3	Flush								-	-	-
A5.9.5.4	Replace oil filter/Delta P								-	-	-
A5.10. EGRESS SYSTEM TR: Applicable 1F-15(-)-2-05 and -95 series TOs											
A5.10.1	Components and system operation								A	-	-
A5.10.2. Perform cockpit entry procedures											
A5.10.2.1	Normal	*							3c	-	-
A5.10.2.2	Alternate	*							3c	-	-

F-15 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC	
A5.11. SUPPORT EQUIPMENT TR: AFI 91-203 and applicable equipment TOs											
A5.11.1. Perform pre-use inspection and operate											
A5.11.1.1	Hydraulic test stand TR: TO 33A2 or 35D2 series as applicable	*							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	*							2b	-	-
A5.11.1.4	Hydraulic servicing carts	*							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	*							-	-	-
A5.11.1.9	600 gallon tank dolly	*							2b	-	-

This Page Intentionally Left Blank

F-16 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC	
<p>NOTE 1: Use this attachment in conjunction with STS 2A3X3 attachment 2.</p> <p>NOTE 2: All task/knowledge items taught in the initial skills course are trained during war time.</p> <p>NOTE 3: Items in column 2 identified with an *R are optional for the AFRC Traditional Reservist (TR) and the ANG Drill Status Guardsman (DSG), for full-time members, Core Tasks are required.</p>											
A6.1. AIRCRAFT GENERAL											
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)	*							-	-	-
A6.1.2. Perform ground handling TR: AFIs 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	Perform tow team member duties	*							2b	-	-
A6.1.2.1.2	Perform tow team supervisor duties		*						-	-	-
A6.1.2.1.3	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	*							2b	-	-
A6.1.2.3.2	Perform tripod jacking team member duties	*							2b	-	-
A6.1.2.3.3	Perform jacking team supervisor duties		*						-	-	-
A6.1.2.4	Assist weighing and leveling								-	-	-
A6.1.2.5	Perform safe aircraft for maintenance procedures TR: Applicable -2 TOs	*							3c	-	-
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											

F-16 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC
A6.1.3.2.1 Preflight	*							-	-	-
A6.1.3.2.2 Thrufight	*							-	-	-
A6.1.3.2.3 Basic postflight	*							-	-	-
A6.1.3.2.4 Preflight/basic postflight	*							3c	-	-
A6.1.3.2.5 Walkaround	*							-	-	-
A6.1.3.2.6 End of runway	*							-	-	-
A6.1.3.2.7 Launch aircraft	*							3c	-	-
A6.1.3.2.8 Recover aircraft	*							3c	-	-
A6.1.3.2.9 Quick turnaround								-	-	-
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	*							-	-	-
A6.1.3.3.5 Engine -6		*R						-	-	-
A6.1.3.3.6 Over-G								-	-	-
A6.1.3.3.7 Perform throttle inspection	*							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	*							3c	-	-
A6.1.6. Aircraft and supporting maintenance records										
A6.1.6.1 Document AFTO Form 781H	*							3c	-	-

F-16 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC
A6.1.6.2 Document AFTO Form 781A	*							3c	-	-
A6.1.6.3 Document AFTO Form 781J	*							3c	-	-
A6.1.6.4 Document AFTO Form 781K	*							3c	-	-
A6.1.6.5 Document DD Form 2026	*							2b	-	-
A6.2. AIRFRAME 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										
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	*							-	-	-
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	*							2b	-	-
A6.2.3.2 Radome								-	-	-
A6.2.4 Clean canopy	*							2b	-	-
A6.2.5 Polish canopy								-	-	-
A6.2.6 Rig throttle		*R						-	-	-
A6.3. LANDING GEAR SYSTEM TR: 1F-16()-2-12JG-00-1 and -2-32 series TOs										
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	-	-

F-16 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC	
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	*							-	-	-
A6.3.6.17	Torque link assembly								-	-	-
A6.3.6.18. Wheel and tire assembly											
A6.3.6.18.1	MLG	*							2b	-	-
A6.3.6.18.2	NLG	*							2b	-	-
A6.3.6.19	MLG brake assembly	*							2b	-	-
A6.3.6.20	MLG brake control valve								-	-	-

F-16 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC	
A6.3.6.21	Alternate landing gear control valve								-	-	-
A6.3.6.22	Arresting hook pneumatic actuator								-	-	-
A6.3.6.23	Arresting hook assembly								-	-	-
A6.3.6.24	MLG pneumatic charging valve							2b	-	-	
A6.3.6.25	Rudder pedal assembly								-	-	-
A6.3.6.26	NWS actuator		*						-	-	-
A6.3.7. Adjust											
A6.3.7.1	Uplock mechanism		*						-	-	-
A6.3.7.2	Arresting hook shank bumper	*							-	-	-
A6.3.8. Service											
A6.3.8.1	Shock strut	*							2b	-	-
A6.3.8.2	Alternate landing gear/ arresting hook pneumatic reservoir	*							2b	-	-
A6.3.8.3	Tires	*							3c	-	-
A6.3.9	Determine serviceability of tires	*							3c	-	-
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	*							1a	-	-
A6.3.10.1.2	Perform operational check supervisor duties		*						-	-	-
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								-	-	-
A6.4. UTILITIES											

F-16 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC	
A6.4.1. Fire/overheat detection system TR: 1F-16()-2-26 series TOs											
A6.4.1.1									A	-	-
A6.4.1.2									-	-	-
A6.4.2. Fuel inerting system TR: 1F-16()-2-26 series TOs											
A6.4.2.1									A	-	-
A6.4.2.2									2b	-	-
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									A	-	-
A6.4.3.2									2b	-	-
A6.4.3.3									2b	-	-
A6.4.3.4									-	-	-
A6.5. FLIGHT CONTROL SYSTEM TR: 1F-16()-2-27 series TOs											
A6.5.1									A	-	-
A6.5.2. Remove/install											
A6.5.2.1									-	-	-
A6.5.2.2									-	-	-
A6.5.2.3		*							-	-	-
A6.5.2.4			*						-	-	-
A6.5.2.5									-	-	-
A6.5.2.6									-	-	-
A6.5.2.7									-	-	-
A6.5.2.8									-	-	-

F-16 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC
A6.5.2.9 Horizontal stabilizer assembly		*R						-	-	-
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		*R						-	-	-
A6.5.3. Service										
A6.5.3.1 PDU oil								-	-	-
A6.5.3.2 Flight control accumulator	*							2b	-	-
A6.5.4. Rig										
A6.5.4.1 Asymmetry brakes		*						-	-	-
A6.5.4.2 Leading edge flaps		*						-	-	-
A6.5.4.3 Command servo		*						-	-	-
A6.5.4.4 Flaperon								-	-	-
A6.5.4.5 Horizontal stabilizer		*						-	-	-
A6.5.4.6 Rudder								-	-	-
A6.5.5. Perform operational check										
A6.5.5.1 Leading edge flaps		*						-	-	-
A6.5.5.2 Speed brakes								-	-	-
A6.5.5.3 Manual trim								-	-	-
A6.5.5.4 Manual control								-	-	-

F-16 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC	
A6.5.5.5	System self-test or Built-In Test (BIT)								-	-	-
A6.5.6	Troubleshoot								-	-	-
A6.6. HYDRAULIC POWER SYSTEM TR: 1F-16()-2-29 series TOs											
A6.6.1	Components and system operation								A	-	-
A6.6.2. Remove/install											
A6.6.2.1	Pump		*R						-	-	-
A6.6.2.2	Manifold assembly								-	-	-
A6.6.2.3	Transmitter								-	-	-
A6.6.2.4	Filter/assembly	*R							2b	-	-
A6.6.2.5	Differential pressure indicators (Delta P)	*R							2b	-	-
A6.6.2.6	Hydraulic reservoir		*R						-	-	-
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	*							2b	-	-
A6.6.4. Hydraulic reservoir											
A6.6.4.1	Drain		*R						-	-	-
A6.6.4.2	Flush		*R						-	-	-
A6.6.4.3	Bleed	*							-	-	-
A6.6.4.4	Service (-12JG)	*							2b	-	-
A6.6.4.5	Service (engine operating)	*							-	-	-
A6.6.5	Obtain fluid sample								-	-	-
A6.6.6	Perform general bleed and leak check	*							2b	-	-
A6.6.7	Troubleshoot								-	-	-

F-16 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC	
A6.7. ENGINE SYSTEM TR: AFI 91-203; 1F-16()-2-70 series TOs											
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			*R					-	-	-
A6.7.1.2.2	Fuel filter								-	-	-
A6.7.1.2.3	Oil filters								-	-	-
A6.7.1.2.4	Signal data converter								-	-	-
A6.7.1.2.5	Anti-ice probe								-	-	-
A6.7.1.3	Inspect and clean flame sensor								-	-	-
A6.7.1.4	Service engine oil		*						-	-	-
A6.7.1.5	Inspect engine magnetic chip detector(s) TR: Applicable -2 TOs		*						2b	-	-
A6.7.1.6. Perform engine run											
A6.7.1.6.1	Intake and exhaust inspection (-70JG)								-	-	-
A6.7.1.6.2	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			*R					-	-	-
A6.7.2.2.4	Anti-ice probe								-	-	-
A6.7.2.3	Service engine oil		*						2b	-	-
A6.7.2.4	Inspect engine magnetic chip detector(s) TR: Applicable -2 TOs		*						2b	-	-

F-16 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC	
A6.7.2.5. Perform engine run											
A6.7.2.5.1	Engine intake and exhaust inspection (-70JG)								-	-	-
A6.7.2.5.2	Engine run operation (low power high power/restrained)								-	-	-
A6.8. FUEL SYSTEM TR: AFI 91-203; 1F-16()-2-28 series TOs											
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	*							2b	-	-
A6.8.3.2	Centerline tank	*R							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	*							3c	-	-
A6.8.6. Refuel aircraft with external power											
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	*							-	-	-
A6.8.8.2	Perform supervisor duties		*						-	-	-
A6.8.9.	Perform over-the-wing refuel team member duties	*R							-	-	-

F-16 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC	
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	*							-	-	-
A6.8.11.3	Aerial refuel slipway door assembly								-	-	-
A6.9.	ELECTRICAL SYSTEM TR: 1F-16()-2-24 series TOs										
A6.9.1	Components and system operation								A	-	-
A6.9.2	Connect/apply external power	*							3c	-	-
A6.9.3	Disconnect external power	*							3c	-	-
A6.9.4.	Remove/install										
A6.9.4.1	Aircraft battery	*R							2b	-	-
A6.9.4.2	Exterior light lenses	*							2b	-	-
A6.9.4.3	Exterior light lamps	*							2b	-	-
A6.9.5.	Operate										
A6.9.5.1	Interior lighting	*							2b	-	-
A6.9.5.2	Exterior lighting	*							2b	-	-
A6.9.6	Service Constant Speed Drive (CSD)	*							2b	-	-
A6.9.7	Remove/replace CSD system filters								-	-	-
A6.10.	EGRESS SYSTEM TR: 1F-16()-2-95 series TOs										
A6.10.1	Components and system operation								A	-	-
A6.10.2.	Operate canopy										
A6.10.2.1	Electrically	*							3c	-	-
A6.10.2.2	Manually								-	-	-
A6.11.	ACCESSORY DRIVE AND ENGINE START SYSTEM TR: 1F-16()-2-80 and 83 series TOs										

F-16 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC	
A6.11.1	Accessory Drive Gearbox (ADG) components and system operation								A	-	-
A6.11.2	Engine Starting System (ESS) components and system operation								A	-	-
A6.11.3	Operate Digital/diagnostic Engine Start System Controller (DESSC) tester		*R						-	-	-
A6.11.4	Track DESSC data								-	-	-
A6.11.5	Troubleshoot								-	-	-
A6.11.6. Remove/install											
A6.11.6.1	Jet Fuel Starter (JFS)	*R							-	-	-
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								-	-	-

F-16 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC
A6.11.6.19 DESSC battery								-	-	-
A6.11.6.20 ADG								-	-	-
A6.11.6.21 Power take-off (PTO) shaft	*R							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	*							2b	-	-
A6.11.7.2 ADG oil	*							2b	-	-
A6.12. EMERGENCY POWER UNIT (EPU) SYSTEM TR: 1F-16()-2-49 series TOs										
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	*							-	-	-
A6.12.5. Service										
A6.12.5.1 EPU nitrogen	*							2b	-	-

F-16 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC
A6.12.5.2 EPU oil	*							2b	-	-
A6.12.6 Perform operational check in bleed air mode								-	-	-
A6.13. SUPPORT EQUIPMENT TR: AFI 91-203, Applicable equipment TOs										
A6.13.1. Perform pre-use inspection and operate										
A6.13.1.1 Aircraft towbar TR: TOs 35B5 series	*							-	-	-
A6.13.1.2 F-16 hand steering bar TR: TO 35B5 series								-	-	-
A6.13.1.3 Fuel tank installation and removal dollies	*							2b	-	-
A6.13.1.4 Fuel tank removal and installation stores loader	*R							2b	-	-
A6.13.1.5 Hydraulic test stand TR: TO 33A2- series as applicable	*							2b	-	-
A6.13.1.6 Air conditioning units TR: TO 35E9- series as applicable								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								-	-	-
A6.13.1.10 Oil servicing carts TR: TO 35A17 series as applicable	*							2b	-	-
A6.13.1.11 Hydraulic servicing carts TR: TO 35D29 series as applicable	*							2b	-	-
A6.13.1.12 Engine removal and installation (R and I) trailer TR: TO 35D3 series		*R						-	-	-
A6.13.1.13 Engine transfer trailer TR: TO 35D3 series		*R						-	-	-
A6.13.1.14 LOX servicing equipment TR: TOs 37C2-8 and 15X-1-1								2b	-	-
A6.13.1.15 Generator set TR: TO 35C or D series	*							-	-	-

F-16 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used to Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5 Level	7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(2) CDC
A6.13.1.16 Diesel air compressor TR: TOs 34 series	*							-	-	-
A6.13.1.17 Fuselage jacks TR: TO 35A2 series								-	-	-
A6.13.1.18 Axle jacks TR: TO 35A2 series								-	-	-

This Page Intentionally Left Blank

STS 2AX7X

AEROSPACE MAINTENANCE CRAFTSMAN QUALITATIVE REQUIREMENTS

1. Tasks	4. Proficiency Codes Used To Indicate Training/Information Provided
Knowledge And Technical References	C 7-Skill Level
	(2) CDC
<p>NOTE 1: Columns 2 and 3 are deleted from this STS because all items are SUBJECT KNOWLEDGE LEVEL only and require no certification.</p> <p>NOTE 2: Users are responsible for annotating training references to identify current references pending STS revision.</p> <p>NOTE 3: This attachment is to be used in conjunction with other attachments in applicable CFETPs.</p> <p>NOTE 4: Personnel must complete CDC requirements on all MDSs/attachments.</p> <p>NOTE 5: This attachment is to be used as a correlation document for the 2AX7X 7-level Aerospace Maintenance Craftsman CDCs.</p>	
AA.1. MAINTENANCE PHILOSOPHY AND POLICY	
AA.1.1 Aircraft and Equipment Readiness TR: AFI 21-101	A
AA.1.2 Maintenance Concept TR: AFI 21-101 and AFI 21-129	A
AA.1.3 Reliability and Maintainability (R&M) TR: AFI 21-101 and TO 00-35D-54	A
AA.1.4 Operating Instructions (OI) TR: AFI 21-101 and AFI 33-360	A
AA.1.5 Maintenance Information Systems (MIS) TR: AFCSM 21-556 Volume 2, AFI 21-101, AFI 21-116, and TO 00-20-2	B
AA.1.6 Maintenance Metrics TR: AFI 21-103 and AFTTP 3-3	A
AA.1.7 Maintenance Repair Priorities TR: AFI 21-101	A
AA.1.8 Historical Aircraft and Equipment Records TR: AFI 21-101 and TO 00-20-1	A
AA.2. MAINTENANCE ORGANIZATION KEY LEADER RESPONSIBILITIES	
AA.2.1 Wing Commander (WG/CC) TR: AFI 21-101 and AFI 38-101	A
AA.2.2 Wing Vice Commander (WG/CV) TR: AFI 21-101 and AFI 38-101	A
AA.2.3 Maintenance Group Commander (MXG/CC) TR: AFI 21-101 and AFI 38-101	A
AA.2.4 Maintenance Group Deputy Commander (MXG/CD) TR: AFI 21-101	A
AA.2.5 MXG Superintendent (SUPT) TR: AFI 21-101	A
AA.2.6 Squadron Commander (SQ/CC) TR: AFI 21-101	A
AA.2.7 Maintenance Operations Officer (MOO)/Maintenance Superintendent (MX SUPT) TR: AFI 21-101	A
AA.2.8 Flight Commander/Flight Chief TR: AFI 21-101	A
AA.2.9 AMU OIC/Superintendent (SUPT) TR: AFI 21-101	A
AA.2.10 Section NCOIC/Chief TR: AFI 21-101	B
AA.2.11 Production Superintendent (Pro Super) TR: AFI 21-101	A
AA.3. FUNCTIONS OF MAINTENANCE OPERATIONS SQUADRON (MOS)	

STS 2AX7X

AEROSPACE MAINTENANCE CRAFTSMAN QUALITATIVE REQUIREMENTS

1. Tasks	4. Proficiency Codes Used To Indicate Training/Information Provided
Knowledge And Technical References	C 7-Skill Level
	(2) CDC
AA.3.1 Maintenance Operations Flight (MOF) TR: AFI 21-101	A
AA.3.2 Maintenance Training Flight (MTF) TR: AFI 21-101 and AFI 36-2232	A
AA.3.3 Programs and Resources Flight TR: AFI 21-101	A
AA.4. FUNCTIONS OF AIRCRAFT/HELICOPTER MAINTENANCE SQUADRON (AMXS/HMXS)	
AA.4.1 Aircraft Maintenance Unit (AMU) TR: AFI 21-101	A
AA.4.2 Flightline Expediter TR: AFI 21-101	A
AA.4.3 Aircrew and Maintenance Debrief Section TR: AFI 21-101	A
AA.4.4 Aircraft Section TR: AFI 21-101	A
AA.4.5 Specialist Section TR: AFI 21-101	A
AA.4.6 Weapons Section TR: AFI 21-101	A
AA.4.7 Support Section TR: AFI 21-101	A
AA.5. FUNCTIONS OF MAINTENANCE SQUADRON (MXS)	
AA.5.1 Accessories Flight TR: AFI 21-101	A
AA.5.2 Aerospace Ground Equipment (AGE) Flight TR: AFI 21-101	A
AA.5.3 Armament Flight TR: AFI 21-101	A
AA.5.4 Avionics Flight TR: AFI 21-101	A
AA.5.5 Fabrication Flight TR: AFI 21-101	A
AA.5.6 Maintenance Flight TR: AFI 21-101	A
AA.5.7 Munitions Flight TR: AFI 21-101	A
AA.5.8 Propulsion Flight TR: AFI 21-101	A
AA.5.9 Test, Measurement, and Diagnostic Equipment (TMDE) Flight TR: AFI 21-101	A
AA.6. MAINTENANCE TRAINING	
AA.6.1 Types of Training TR: AFI 36-2232 and the ETCA site located at: https://etca.randolph.af.mil/	A
AA.6.2 Training Documentation TR: AFI 21-101, AFI 36-2201 and AFI 36-2232	A
AA.6.3 Training Business Area (TBA) TR: https://www.my.af.mil/imds/tpa/IMDSTWeb/ActionServlet	B
AA.6.4 Special Certification Rosters TR: AFI 21-101	A

STS 2AX7X

AEROSPACE MAINTENANCE CRAFTSMAN QUALITATIVE REQUIREMENTS

1. Tasks	4. Proficiency Codes Used To Indicate Training/Information Provided
Knowledge And Technical References	C 7-Skill Level
	(2) CDC
AA.6.5 Maintenance Qualification Program (MQP) TR: AFI 21-101, AFI 36-2232 and AFPD 10-9	A
AA.6.6. Training Management TR: AFI 36-2201, AFI 36-2232, AFI 21-101 and AETCI 36-2601	
AA.6.6.1 Training Forecast	A
AA.6.6.2 Training Request	A
AA.6.6.3 Master Training Plan	A
AA.7. PERSONNEL RESOURCE MANAGEMENT	
AA.7.1 Unit Manpower Document (UMD) and Unit Personnel Manpower Roster (UPMR) TR: AFI 36-2110, AFI 38-201 and AFTTP 3-3	A
AA.7.2 Personnel Utilization TR: AFI 21-101	A
AA.8. MAINTENANCE SUPPLY	
AA.8.1 Logistics Readiness Squadron (LRS) Supply Support TR: AFI 21-101, AFMAN 23-110 (Vol. 1) and AFTTP 3-3	A
AA.8.2 Readiness Spares Packages TR: AFI 21-101, AFMAN 23-110 and AFTTP 3-3	A
AA.8.3 Consumables Management TR: AFI 21-101, AFMAN 23-110 and AFTTP 3-3	A
AA.8.4 Equipment Items TR: AFI 21-101, AFMAN 23-110 and AFMAN 23-220	A
AA.8.5 Supply Assets Requiring Functional Check, Calibration, or Operational Flight Programming TR: AFI 21-101, AFMAN 23-110 and TO 00-20-3	A
AA.8.6 Precious Metals Recovery Program TR: AFI 21-101 and AFMAN 23-110	A
AA.8.7 Supply Points TR: AFI 21-101 and AFMAN 23-110	A
AA.8.8 Local Manufacture TR: AFI 21-101	A
AA.8.9 Repair Cycle Assets TR: AFI 21-101 and AFMAN 23-110	A
AA.8.10 Supply Management Products TR: AFI 21-101 and AFMAN 23-110	A
AA.8.11 Tail Number Bins (TNB) TR: AFI 21-101 and AFMAN 23-110	A
AA.8.12 Maintenance Repair/Supply Delivery Priorities TR: AFI 21-101 and AFMAN 23-110	A
AA.8.13 Classified Assets TR: AFI 21-101, AFJI 31-102, TO 00-5-1 and TO 00-20-1	A
AA.8.14 Hazardous Materials TR: AFI 21-101, AFI 32-7086 and AFI 90-821	A
AA.8.15 Supply Deficiency and Discrepancy Reporting TR: AFI 21-101, AFMAN 23-110 and TO 00-35D-54	B
AA.8.16 Special Handling of Supply Assets Containing Hazardous Materials TR: AFI 24-203, AFI 32-7086, AFMAN 23-110, TO 42B2-1-3, and TO 6J3-1-1	A
AA.8.17 Maintenance Supply Liaison TR: AFI 21-101 and AFMAN 23-110	A

STS 2AX7X

AEROSPACE MAINTENANCE CRAFTSMAN QUALITATIVE REQUIREMENTS

1. Tasks	4. Proficiency Codes Used To Indicate Training/Information Provided
Knowledge And Technical References	C 7-Skill Level
	(2) CDC
AA.9. TECHNICAL ORDER MANAGEMENT	
AA.9.1 Technical Orders Distribution Process TR: AFI 21-101, AFI 63-101, AFTTP 3-3 and TO 00-5-1	A
AA.9.2 Time Compliance Technical Orders (TCTO) TR: TO 00-5-15	A
AA.9.3 Technical Order Change Process TR: AFI 21-303	A
AA.9.4 Technical Order Waivers TR: AFI 21-101 and AFI 21-303	A
AA.10. MAINTENANCE REQUIREMENTS AND PROGRAMS	
AA.10.1 Cannibalization Program TR: AFI 21-101 and AFTTP 3-3	A
AA.10.2 Restricted Maintenance Areas TR: AFI 21-101	A
AA.10.3 Red Ball Maintenance TR: AFI 21-101	A
AA.10.4 Aircraft/Equipment Impoundment Program TR: AFI 21-101	A
AA.10.5 Foreign Object Damage (FOD) Program TR: AFI 21-101, AFI 36-2232 and AFTTP 3-3	A
AA.10.6 Dropped Object Prevention (DOP) Program TR: AFI 21-101	A
AA.10.7 Tool Management TR: AFI 21-101	A
AA.10.8. Tool Accountability TR: AFI 21-101	A
AA.10.8.1 Marking and Tool Identification TR: AFI 21-101	A
AA.10.8.2 Locally Manufactured, Developed, or Modified Tools and Equipment TR: AFI 21-101	A
AA.10.8.3 Lost Item/Tool Procedures TR: AFI 21-101	A
AA.10.9 Maintenance Recovery Team TR: AFI 21-101	A
AA.11. QUALITY ASSURANCE (QA) PROGRAM	
AA.11.1 Maintenance Standardization and Evaluation Program (MSEP) TR: AFI 21-101 and AFTTP 3-3	A
AA.11.2 QA Product Improvement Program TR: AFI 21-101	A
AA.11.3 Configuration Management (CM) and Modification Management TR: AFI 21-101	A

2A3X3 COURSE OBJECTIVE TRAINING MATRIX

NOTE: The following matrix defines specific sources for training required to achieve an apprentice (3) skill level appropriate to each aircraft (MDS) as identified in each STS attachment, column 4A to this CFETP. Training is separated into different phases/locations as indicated in PART II, SECTION D, Table 2.1. The contents of each phase are shown by the proficiency codes listed under the appropriate column headings in the matrix.

Phase 1 training consists of STS Attachment 2 and is the first three blocks of instruction in all courses conducted at Sheppard AFB.

Phase 2 training consists of the MDS specific attachment in the course of initial entry in 362 TRS, Sheppard AFB, TX.

Phase 3 training is the AFSC awarding course.

A-10 TRAINING 2A333E

<u>STS Element</u>	<u>TASK</u>	<u>Phase 2</u>	<u>Phase 3</u>
A3.1.1	Phased inspection concept	A	
A3.1.2	Types of special inspections	A	
A3.1.3	Perform safe aircraft for maintenance procedure	3c	
A3.1.4.5	Perform inspections, Combined preflight/postflight	2b	3c
A3.1.4.6	Launch aircraft		3c
A3.1.4.7	Recover aircraft		3c
A3.1.5.1.1	Perform tow team member duties	2b	
A3.1.5.2	Moor aircraft	a	
A3.1.5.3.1	Perform jacking team member duties	2b	
A3.1.5.3.3	Perform axle jacking duties	2b	
A3.1.5.5	Lubricate aircraft	2b	
A3.1.6.1	Use technical orders	2b	3c
A3.1.6.2	Use Illustrated Parts Breakdown (IPB)	2b	
A3.1.7.1	Document AFTO Form 781H	2b	3c
A3.1.7.2	Document AFTO Form 781A	3c	
A3.1.7.3	Document AFTO Form 781J	3c	
A3.1.7.4	Document AFTO Form 781K	3c	
A3.1.7.5	Document DD Form 2026	-	2b
A3.2.1	Airframe, Components and construction	A	
A3.2.2.1	Remove/install, open/close, Stress panels	2b	
A3.2.2.2	Doors	2b	
A3.2.2.3	Variable ballast	a	
A3.2.2.4	Fixed ballast	a	
A3.2.2.5	Outer nacelle doors	2b	
A3.2.2.6	Inner shrouds	2b	

2A3X3 COURSE OBJECTIVE TRAINING MATRIX

<u>STS Element</u>	<u>TASK</u>	<u>Phase 2</u>	<u>Phase 3</u>
A3.2.3.1	Windscreen, Raise/lower	2b	
A3.3.1	Landing gear system, Components and operation	A	
A3.3.2.6	Perform operational checks/bleed, Auxiliary extension system	2b	
A3.3.2.7	Brakes	1b	
A3.3.2.9	Emergency brake system	2b	
A3.3.3.3	Perform MLG shock strut servicing	2b	
A3.3.4	Service tires		3c
A3.3.5.1	Remove/install, Nose wheel and tire assembly	2b	
A3.3.5.2	Main wheel and tire assembly	2b	
A3.3.5.5	Brake assembly	2b	
A3.3.6	Determine serviceability of aircraft tires	2b	
A3.4.1	Utility system components and operation	A	
A3.4.2.1	Oxygen system, Service		2b
A3.4.2.2	Remove/inspect/install Liquid Oxygen (LOX) converter	2b	
A3.5.1	Flight control system, Components and operation	B	
A3.6.1	Hydraulic system, Components and operation	A	
A3.6.2.1	Service, Accumulators	2b	
A3.6.2.2	Reservoir	2b	
A3.7.1	Engine system, Components and operation	A	
A3.7.5	Take oil sample	2b	3c
A3.7.6.1	Service, Oil system	2b	3c
A3.7.10.1	Turbine Engine Monitoring System (TEMS), Components and operation	A	
A3.7.11.1	Auxiliary Power Unit (APU), Components and operation	A	
A3.7.11.2	Service APU	2b	
A3.8.1.1	Fuel system, Components and operation, Internal	A	
A3.8.1.2	External	A	
A3.8.2	Refuel aircraft		3c
A3.8.3.1	Defuel aircraft, Perform team member duties	1b	
A3.8.6.1	UARRSI system components and operation	A	
A3.9.1	Electrical system, Components and operation	A	

2A3X3 COURSE OBJECTIVE TRAINING MATRIX

<u>STS Element</u>	<u>TASK</u>	<u>Phase 2</u>	<u>Phase 3</u>
A3.9.2.5	Remove/install, Battery	3c	
A3.9.3	Apply external electrical power	3c	
A3.10.1	Egress system, Components and operation	A	
A3.10.2	Perform cockpit entry procedures	2b	3c
A3.10.3.1	Perform normal canopy operation	2b	3c
A3.10.3.2	Perform manual canopy operation	2b	3c
A3.10.4	Perform seat operation	3c	
A3.11.1.1	Perform pre-use inspection and operate, Hydraulic test stand	2b	
A3.11.1.2	Oil servicing carts	2b	
A3.11.1.3	Hydraulic servicing carts	2b	
A3.11.1.5	LOX servicing equipment		2b

2A3X3 COURSE OBJECTIVE TRAINING MATRIX

F-15 TRAINING 2A333L

<u>STS Element</u>	<u>TASK</u>	<u>Phase 2</u>	<u>Phase 3</u>
A5.1.1	Avionics components and system operation	A	
A5.1.2	Weapon system components	A	
A5.1.3	Safe aircraft for maintenance	3c	
A5.1.4.1	Use technical orders	3c	
A5.1.5.1	Document AFTO Form 781H	2b	3c
A5.1.5.2	Document AFTO Form 781A	2b	3c
A5.1.5.3	Document AFTO Form 781J	2b	3c
A5.1.5.4	Document AFTO Form 781K	2b	3c
A5.1.5.5	Document DD Form 2026	-	2b
A5.1.6.1	Periodic inspection concept	B	
A5.1.6.2	Over G inspections	A	
A5.1.6.3.3	Perform inspections, Preflight/basic postflight combination	2b	3c
A5.1.6.3.5	Launch aircraft	-	3c
A5.1.6.3.6	Recover aircraft	-	3c
A5.1.7.1.1	Perform tow team member duties	2b	
A5.1.7.3.1	Perform jacking team member duties	2b	
A5.1.7.4	Perform axle jacking	2b	
A5.1.7.6	Lubricate aircraft	2b	
A5.1.7.7	Apply external cooling air, F-15C/D	2b	
A5.2.1	Airframe, Components and construction	A	
A5.2.2	Identify stress panels	A	
A5.2.6.1	Open/close hingeable doors	2b	
A5.2.6.2	Open/close radome	2b	
A5.2.7.1	Canopy, Components and system operation	A	
A5.2.7.5.1	Operate, Manual	3c	
A5.2.7.5.2	Normal	3c	
A5.2.7.6.1	Service, Actuator	2b	
A5.2.7.6.2	Accumulator	2b	
A5.3.1	Landing Gear, Components and system operation	A	
A5.3.2.1	Perform operation check of normal systems, Landing gear	1b	
A5.3.3	Operate arresting gear	1b	
A5.3.4.1	Operate emergency system, Landing gear extension	1b	
A5.3.5.1	Nose wheel steering components	A	
A5.3.5.4	Perform abbreviated check of nose wheel steering	2b	

2A3X3 COURSE OBJECTIVE TRAINING MATRIX

<u>STS Element</u>	<u>TASK</u>	<u>Phase 2</u>	<u>Phase 3</u>
A5.3.7.1.2	Service, Landing gear struts, Nose (ground, hydraulic)	2b	
A5.3.7.1.4	Service, Main (ground, hydraulic)	2b	
A5.3.7.2	Service, Tires	-	3c
A5.3.7.3	Service, Arresting gear actuator	2b	
A5.3.7.4	Service, Arresting gear damper	2b	
A5.3.8.1	Remove/install, Main wheel and tire assembly	2b	
A5.3.8.2	Remove/install, Nose wheel and tire assembly	2b	
A5.3.8.3.1	Remove/install, Brake system components, Brake assemblies	2b	
A5.3.8.5.4	Remove/install, Hook damper	2b	
A5.3.9	Bleed brakes	2b	
A5.3.10	Determine serviceability of aircraft tires	2b	3c
A5.3.13	Manually open gear doors	2b	
A5.4.1	Utilities, Components and system operation	A	
A5.5.1	Flight Controls, Component identification and system operation	A	
A5.5.2	Perform lateral control system bleed	2b	
A5.6.1	Hydraulics, Components and system operation	A	
A5.6.2.2	Service reservoir, Utility	2b	
A5.6.5	Apply hydraulic pressure	2b	
A5.6.7.2	Remove/install, Pumps	b	
A5.7.1	Engines, Components and system operation	A	
A5.7.4.1	Engine, Air induction, Components and system operation	A	
A5.7.5.1	Oil system, Inspect magnetic chip detectors	2b	3c
A5.7.5.2	Oil system, Service	2b	
A5.7.5.3	Take oil sample	-	3c
A5.7.8.1	Engine, Engine starting system, Components and system operation	A	
A5.7.8.4.1	Service, JFS accumulator	3c	
A5.7.8.4.2	Central Gear Box (CGB)	2b	
A5.7.8.4.3	Aircraft Mounted Accessory Drives (AMAD)	2b	
A5.7.8.5.26	Remove/install, AMAD oil filter and differential pressure indicator	3c	
A5.8.1	Fuels, Components and system operation	A	
A5.8.3	Refuel aircraft (normal) power off	2b	3c
A5.8.9.1	External fuel tanks, Remove/inspect/install	2b	
A5.8.10.1	Fuels, AAR system, Components and system operation	A	
A5.9.1	Electrical, Components and system operation	A	

2A3X3 COURSE OBJECTIVE TRAINING MATRIX

<u>STS Element</u>	<u>TASK</u>	<u>Phase 2</u>	<u>Phase 3</u>
A5.9.2	Connect/apply/disconnect external electrical power	3c	
A5.9.3.1	Operate, Internal lighting	3c	
A5.9.3.2	External lighting	3c	
A5.9.3.3	Indicator/warning lights	3c	
A5.9.4.1.1	Remove/install, Light lenses/bulbs, Landing light	2b	
A5.9.4.1.2	Taxi light	2b	
A5.9.4.1.5	Wing position light	2b	
A5.9.4.1.6	Stab position light	2b	
A5.9.5.1	IDG, Service	2b	
A5.10.1	Egress, Components and system operation	A	
A5.10.2.1	Perform cockpit entry procedures, Normal	3c	
A5.10.2.2	Alternate	3c	
A5.11.1.1	Perform pre-use inspection and operate, Hydraulic test stand	2b	
A5.11.1.2	Air conditioning units	2b	
A5.11.1.3	Oil servicing carts	2b	
A5.11.1.4	Hydraulic servicing carts	2b	
A5.11.1.9	600 gallon tank dolly	2b	

2A3X3 COURSE OBJECTIVE TRAINING MATRIX

F-16 TRAINING 2A333M

<u>STS Element</u>	<u>TASK</u>	<u>Phase 2</u>	<u>Phase 3</u>
A6.1.2.1.1	Perform tow team member duties	2b	
A6.1.2.2	Moor aircraft	2b	
A6.1.2.3.1	Perform axle jacking duties	2b	
A6.1.2.3.2	Perform tripod jacking team member duties	2b	
A6.1.2.5	Perform safe aircraft for maintenance procedure	3c	
A6.1.3.1	Phase inspection concept	A	
A6.1.3.2.4	Perform inspections, Preflight/basic postflight	2b	3c
A6.1.3.2.7	Launch aircraft		3c
A6.1.3.2.8	Recover aircraft		3c
A6.1.3.3.7	Perform throttle inspection	2b	
A6.1.5.1	Midas TO numbering system	A	
A6.1.5.2	Use TOs	3c	
A6.1.6.1	Document AFTO Form 781H	2b	3c
A6.1.6.2	Document AFTO Form 781A	3c	
A6.1.6.3	Document AFTO Form 781J	3c	
A6.1.6.4	Document AFTO Form 781K	3c	
A6.1.6.5	Document DD Form 2026		2b
A6.2.1	Airframe, Components and construction	A	
A6.2.3.1	Open/close, Hingeable doors	2b	
A6.2.4	Clean canopy	2b	
A6.3.1	Landing gear, 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	
A6.3.6.18.1	Remove/install, Wheel and tire assembly, MLG	2b	
A6.3.6.18.2	NLG	2b	
A6.3.6.19	MLG brake assembly	2b	
A6.3.6.24	MLG pneumatic charging valve	2b	
A6.3.8.1	Service, Shock strut	2b	
A6.3.8.2	Alternate landing gear/arresting hook pneumatic reservoir	2b	

2A3X3 COURSE OBJECTIVE TRAINING MATRIX

<u>STS Element</u>	<u>TASK</u>	<u>Phase 2</u>	<u>Phase 3</u>
A6.3.8.3	Tires		3c
A6.3.9	Determine serviceability of tires	3c	
A6.3.10.1.1	Basic landing gear system, Perform operational check team member duties	1a	
A6.3.12	Perform arresting hook operational check team member duties	2b	
A6.4.1.1	Fire and overheat detection, Components and system operation	A	
A6.4.2.1	Fuel inerting system, Components and operation	A	
A6.4.2.2	Remove/install halon reservoir	2b	
A6.4.3.1	Oxygen, Components and system operation	A	
A6.4.3.2	Service liquid oxygen (LOX) converter		2b
A6.4.3.3	Remove/install LOX converter		2b
A6.5.1	Flight control system, Components and system operation	A	
A6.5.3.2	Service, Flight control accumulator	2b	
A6.6.1	Hydraulic system, Components and system operation	A	
A6.6.2.4	Remove/install, Filter/assembly	2b	
A6.6.2.5	Differential pressure indicators (Delta P)	2b	
A6.6.3	Service reservoir accumulator	2b	
A6.6.4.4	Hydraulic reservoir, Service (-12JG)	2b	
A6.6.6	Perform general bleed and leak check	2b	
A6.7.1.1	General Electric engine, Components and system operation	A	
A6.7.1.5	Inspect engine magnetic chip detector(s)	2b	
A6.7.2.1	Pratt and Whitney engine, Components and system operation	A	
A6.7.2.3	Service engine oil	2b	
A6.7.2.4	Inspect engine magnetic chip detector(s)	2b	
A6.8.1	Fuel system, Components and system operation	A	
A6.8.2	Inflight refuel components and system operation	A	
A6.8.3.1	Remove/install, Wing tank assembly	2b	
A6.8.3.2	Centerline tank	2b	
A6.8.5	Refuel aircraft without external power		3c
A6.9.1	Electrical system, Components and system operation	A	
A6.9.2	Connect/apply external power	3c	
A6.9.3	Disconnect external power	3c	

2A3X3 COURSE OBJECTIVE TRAINING MATRIX

<u>STS Element</u>	<u>TASK</u>	<u>Phase 2</u>	<u>Phase 3</u>
A6.9.4.1	Remove/install, Aircraft battery	2b	
A6.9.4.2	Exterior light lenses	2b	
A6.9.4.3	Exterior light lamps	2b	
A6.9.5.1	Operate, Interior lighting	2b	
A6.9.5.2	Exterior lighting	2b	
A6.9.6	Service constant speed drive (CSD)	2b	
A6.10.1	Egress system, Components and system operation	A	
A6.10.2.1	Operate canopy, Electrically	3c	
A6.11.1	Accessory drive gearbox (ADG) components and system operation	A	
A6.11.2	Engine starting system (ESS) components and system operation	A	
A6.11.6.21	Remove/install, Power take-off (PTO) shaft	2b	
A6.11.6.22	Oil filters	2b	
A6.11.7.1	Service, JFS emergency brake accumulator	2b	
A6.11.7.2	ADG oil	2b	
A6.12.1	EPU components and system operation	A	
A6.12.2	Hydrazine awareness	A	
A6.12.3	EPU safety	A	
A6.12.5.1	Service, EPU nitrogen	2b	
A6.12.5.2	EPU oil	2b	
A6.13.1.3	Perform pre-use inspection and operate, Fuel tank installation and removal dollies	2b	
A6.13.1.4	Fuel tank removal and installation stores loader	2b	
A6.13.1.5	Hydraulic test stand	2b	
A6.13.1.6	Air conditioning units	2b	
A6.13.1.10	Oil servicing carts	2b	
A6.13.1.11	Hydraulic servicing carts	2b	
A6.13.1.14	LOX servicing equipment		2b