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CFETP 2A5X4  
Parts I and II  
11 December 2020

**AFSC 2A5X4  
REFUEL/BOMBER  
AIRCRAFT MAINTENANCE  
SPECIALTY**



**CAREER FIELD EDUCATION  
AND TRAINING PLAN**

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## ***SUMMARY OF CHANGES***

As a result of the 22 July – 9 August 2019 Specialty Training Requirements Team Workshop the Specialty Training Standards (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  
REFUEL/BOMBER AIRCRAFT MAINTENANCE SPECIALTY  
AFSC 2A5X4**

**Table of Contents**

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

## **PART II**

<b>Section A--Specialty Training Standard.....</b>	<b>16</b>
<b>Section B--Course Objective List .....</b>	<b>17</b>
<b>Section C--Support Materials .....</b>	<b>18</b>
<b>Section D--Training Course Index .....</b>	<b>18</b>
<b>Section E--MAJCOM Unique Requirements.....</b>	<b>21</b>
<b>STS Attachments</b>	
1. Proficiency Code Key .....	23
2. Aircraft Maintenance Common Training Requirements .....	25
3. 2A5X4A, C-135 Qualitative Requirements.....	36
4. 2A5X4A, E-3/E-8 Qualitative Requirements.....	46
5. 2A5X4B, KC-10 Qualitative Requirements.....	54
6. 2A5X4C, KC-46 Qualitative Requirements .....	64
7. 2A5X4D, B-52 Qualitative Requirements.....	77
8. 2A5X4E, B-1 Qualitative Requirements .....	88
9. 2A5X4F, B-2 Qualitative Requirements .....	101

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**REFUEL/BOMBER AIRCRAFT MAINTENANCE SPECIALTY**  
**AFSC 2A5X4**  
**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 2A5X4, Refuel/Bomber 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 2A5X4 CFETP published 1 October 2016 and CFETP 2A5X4C1, 22 May 2018. Information is available at Air Force Publications website.

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

**2. CFETP Parts.** The CFETP consists of two parts. Supervisors will use both parts to plan, manage, and control training. Using guidance provided in the CFETP will ensure individuals in this specialty receive effective and efficient training at the appropriate point in their career. This plan will enable us to train today's work force for tomorrow's jobs.

**2.1.** Part I provides information necessary for overall management of the specialty. Section A explains how everyone will use the plan. Section B identifies career field progression information, duties and responsibilities, training strategies, and career field path. Section C associates each level with specialty qualifications (knowledge, education, experience, training, and other). Section D indicates resource constraints to accomplishing this plan, such as funds, manpower, equipment, and facilities. Section E identifies transition training guide requirements for SSgt through MSgt.

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

## **ABBREVIATIONS/TERMS EXPLAINED**

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

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

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

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

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

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

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

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

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

**Initial Skills Training.** Initial skills training is the AFS specific training an individual receives upon entry into the Air Force or upon retraining into this specialty for award of the 3-skill level AFS Code (AFSC). This training is conducted at various locations by AETC.

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

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

**Qualification Training.** Qualification training is actual hands-on task performance training designed to qualify an Airman in a specific duty position. This training program occurs both during and after the upgrade training process. It is designed to provide the performance skills and knowledge required to do the job.

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

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

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

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

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

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

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

## **SECTION A - GENERAL INFORMATION**

- 1. Purpose of the CFETP.** This CFETP provides the information necessary for the AFCFM, MAJCOM functional managers (MFM), commanders, training managers, supervisors, and trainers to plan, develop, manage, and conduct an effective and efficient career field training program. It identifies major resource constraints which impact full implementation of the desired career field training process. This CFETP outlines the training that individuals in AFSC 2A5X4 should receive in order to develop and progress throughout their career. This CFETP identifies initial skills, upgrade, qualification, advanced, and proficiency training requirements for each skill level in the specialty.
- 2. Use of the CFETP 2.1.** The CFETP is the primary document used to identify life-cycle education and training requirements. It serves as a road map for career progression and outlines requirements that should be satisfied at appropriate points throughout the career path. The CFETP also specifies the mandatory task qualification requirements for award and maintenance of an AFSC. AETC training personnel will develop or revise formal resident, non-resident, field, and exportable training based upon requirements established by the users and documented in Part II of the CFETP. They will also work with the AFCFM to develop acquisition strategies for obtaining the resources needed to provide the identified training. MFM will ensure their training programs complement the CFETP mandatory initial, upgrade, and proficiency requirements. OJT, resident training, contract training, or exportable courses can satisfy these identified requirements. MAJCOM-developed training, to support this AFSC, must be identified for inclusion in this plan and must not duplicate other available training resources. Each individual will complete the mandatory training requirements specified in this plan. The list of courses in Part II will be used as a reference to support training.

- 3. Coordination and Approval of the CFETP.** The AFCFM is the approval authority for the CFETP. The AFCFM for AFSC 2A5X4 will initiate an annual review of this document to ensure currency and accuracy. MAJCOM representatives and AETC training personnel will identify and coordinate on the career field training requirements. Using the list of courses in Part II, they will eliminate duplicate training.

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

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

- 1.1. Specialty Summary.** Maintains aircraft, support equipment, forms, and records. Performs and supervises as a section chief, production superintendent, flightline expeditor, crew chief, repair and reclamation technician, quality assurance inspector, and maintenance support functions. Related DoD Occupational Subgroup: 160000.
- 1.2. Duties and Responsibilities.** Refer to Air Force Enlisted Classification Directory (AFECD) Parts I and II located on the Air Force Personnel Services page in the Air Force Portal. Use the following address to access the AFECD: [https://gum-crm.csd.disa.mil/app/answers/detail/a\\_id/7504/kw/afecd/r\\_id/100169](https://gum-crm.csd.disa.mil/app/answers/detail/a_id/7504/kw/afecd/r_id/100169) or use the following instructions to access the AFECD: Enter the Air Force Portal, in the search box enter “AFECD” and when results are displayed, click-on “AFECD - Air Force Enlisted Classification Directory” and log-in.

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

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

**2.2. Journeyman (5) Level.** Individuals must complete formal 5-level OJT. This training involves completion of 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 may use the SKT references found at <https://www.omsq.af.mil/> to prepare for testing under the Weighted Airman Promotion System (WAPS). They should continue their education toward an associate's or higher educational degree from the Community College of the Air Force (CCAF) or other accredited institution.

**2.3. Craftsman (7) Level.** Individuals must complete formal 7-level OJT. This training involves completion of 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 are required to attend the Senior Noncommissioned Officer Academy. Additional training in the areas of budget, manpower, resources, and personnel management should be pursued through continuing education. Completion of college courses in the pursuit of a higher-level educational degree is also recommended. Once promoted to SMSgt, an individual can be assigned to any legacy, 5th generation, or remotely piloted aircraft unit.

**3. Training Decisions.** The CFETP uses a building block approach (simple to complex) to encompass the entire spectrum of training requirements for the Refuel/Bomber Aircraft Maintenance (2A5X4) career field. The spectrum includes a strategy for when, where, and how to meet these training requirements. The strategy should be apparent and affordable to reduce duplication of training and eliminate a disjointed approach to training. The following training decisions were made by MFMs and SMEs at the career field STRT held 22 July – 9 August 2019 at Sheppard AFB, TX.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**4.3. Federal Aviation Administration (FAA) Airframe and Powerplant (A&P) Certification.** Air Force aircraft maintenance technicians are eligible to pursue FAA A&P certification based on training and experience in accordance with Federal Aviation Regulation Part 65. The DoD established the Joint Service Aviation Maintenance Technician Certification Council (JSAMTCC) to standardize the eligibility and certification process for the military and provide direction and resources necessary to fill the gaps within military training and experience. The program consists of OJT, three Air University Online A&P Specialized Courses, documented evidence of 30 months practical experience in airframe and powerplant systems, and 4 years time-in-service. CCAF manages the AF A&P Certification Program. Technicians may enroll in the program and begin training once they have been awarded their 5-skill level. To learn more and enroll in the program, visit CCAF's website at <https://afvec.us.af.mil/afvec/Public/COOL/SearchCredentials.aspx> and search for "mechanic". The CCAF currently awards 30 semester hours for the FAA A&P certification and 18 semester hours for the FAA Airframe or Powerplant certification.

**4.4. Other Certification Programs.** CCAF is actively pursuing other licensure and certification opportunities related to specific career fields. To learn more about other certification opportunities visit CCAF's website at <https://afvec.us.af.mil/afvec/Public/COOL/SearchCredentials.aspx>.

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

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

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

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

**5.2. Enlisted Career Path.** Table 5.1 identifies career milestones for the 2A5X4 Air Force Specialty.

Table 5.1 Enlisted Career Path (Airman Promotion Reference AFI 36-2670)

Education and Training Requirements	Grade Requirements			
	Rank	Average Sew-on	Earliest Sew-on	High Year of Tenure (HYT)
<b>Basic Military Training School</b>				
<b>Apprentice Technical School (3-Skill Level)</b>	Amn A1C	6 months 10 months		
<b>Upgrade to Journeyman (5-Skill Level)</b> - Complete all 5- level Core Tasks.	Amn A1C SrA	10 months 3 years	28 months	8 Years
<b>Airman Leadership School (ALS)</b> -Must be a SrA with 48 months time in service or be an SSgt Selectee. -Resident graduation is a prerequisite for SSgt sew-on (Active Duty Only).	<b>Trainer</b> <ul style="list-style-type: none"> <li>- Qualified and certified to perform the task to be trained.</li> <li>- Must attend formal AF Training Course.</li> <li>- Recommended by the supervisor.</li> </ul>			
	<b>Certifier</b> <ul style="list-style-type: none"> <li>- Be an SSgt select with a 5- skill level or civilian equivalent.</li> <li>- Must attend AF Training Course.</li> <li>- Be a person other than the trainer except for AFSCs, duty position, units and/or work centers with specialized training standardization and certification requirements.</li> </ul>			
<b>Upgrade To Craftsman (7-Skill Level)</b> -Minimum rank of SSgt (Sel). -Time in training is determined by the Career Field Manager. -Complete Career Development Course if applicable. -Attend Craftsman course, if applicable.	SSgt (Sel)	7.5 years	3 years	15 Years
<b>Noncommissioned Officer Academy (NCOA)</b> - Must be a TSgt or TSgt Selectee. - Resident graduation is a prerequisite for MSgt sew-on (Active Duty Only).	TSgt	12.5 years	5 years	20 Years
	MSgt	16 years	8 years	24 Years
<b>USAF Senior NCO Academy</b> - Must be a SMSgt or SMSgt Selectee. - Resident graduation is a prerequisite for SMSgt sew-on (Active Duty Only).	SMSgt	19.2 years	11 years	26 Years
<b>Upgrade To Superintendent (9-Skill Level)</b> - Minimum rank if SMSgt.	CMSgt	21.5 years	14 years	30 Years

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

<b>Table 5.2. Base/Unit Education and Training Manager Checklist</b>		
<b>Requirements for Upgrade to:</b>	<b>Y</b>	<b>N</b>
<b>J Journeyman</b> - Does apprentice possess 2A534 AFSC? - Has apprentice completed all appropriate 5-level Core Tasks identified in the CFETP? - Has apprentice met mandatory requirements listed in specialty description, ECD, and CFETP? - Has apprentice been recommended by their supervisor?		
<b>C Craftsman</b> - Does journeyman possess 2A554 AFSC? - Has journeyman achieved the rank of SSgt? - Has journeyman completed all Core Tasks identified in the CFETP?		

TO: Squadron/CC

FROM: Squadron Training Manager

SUBJECT: Upgrade Trainee

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

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Training Manager

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Supervisor

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

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

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

5 level - RegAF: no minimum/15 month maximum. ARC: no minimum/no maximum  
7 level - RegAF: no minimum/8 month maximum. ARC: no minimum/no maximum

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

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

Basic: Wear the basic badge after award of the 5-skill-level  
Senior: Wear the senior badge after award of the 7-skill-level  
Master: Wear the master badge after award of the 9-skill-level.

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

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

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

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

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

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

**2.1.1.3. Training.** For award of AFSC 2A5X4, 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 2A5X4.

**2.1.1.5. Other.** For entry into this specialty normal color vision as defined in AFI 48-123, *Medical Examination and Standards* is required. See Attachment 4 of the AFECD for additional entry requirements. Must maintain local network access IAW AFI 17-130, *Cybersecurity* and AFMAN 17-1301, *Computer Security*. Specialty requires routine access to Secret material or similar environment. For award and retention of AFSC 2A5X4, completion of a current National Agency Check, Local Agency Checks and Credit (NACLC) according to AFI DoDMAN5200.02 and AFMAN16-1405, *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 DODMAN5200.02\_AFMAN16-1405.

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

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

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

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

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

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

**2.2.1.2. Education:** There are no formal education requirements for upgrade to AFSC 2A534. However, progress toward a CCAF Associate's Degree or equivalent is highly encouraged.

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

**2.2.1.4. Experience.** Qualification in and possession of AFSC 2A534 with appropriate shred is required. Completion of the specified STS Core Tasks is required, as well as duty position requirements identified by the supervisor.

**2.2.1.5. Other.** For entry into this specialty, normal color vision as defined in AFI 48-123, *Medical Examination and Standards* is required. See Attachment 4 of the AFECD for additional entry requirements. Must maintain local network access IAW AFI 17-130, *Cybersecurity* and AFMAN 17-1301, *Computer Security*. Specialty requires routine access to Secret material or similar environment. For award and retention of AFSC 2A5X4, completion of a current National Agency Check, Local Agency Checks and Credit (NACLC) according to DODMAN5200.02\_AFMAN16-1405, *Personnel Security Program Management*.

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

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

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

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

**2.3.1.1. Knowledge.** In addition to the 5-level qualifications, an individual must possess advanced skills and knowledge of theory, concepts, and principles of aircraft maintenance. The 7-level must be able to supervise and train personnel to maintain 2A5X4 systems. They must be able to plan, schedule, and organize maintenance to ensure effective utilization of available resources. Qualification is required on advanced repair, inspection, troubleshooting, and diagnostic techniques. Historical documentation analysis is also required for all 7-levels.

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

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

**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 2A554, as well as duty position requirements identified by the supervisor.

**2.3.1.5. Other.** For entry into this specialty, normal color vision as defined in AFI 48-123, *Medical Examination and Standards* is required. See Attachment 4 of the AFECD for additional entry requirements. Must maintain local network access IAW AFI 17-130, *Cybersecurity* and AFMAN 17-1301, *Computer Security*. Specialty requires routine access to Secret material or similar environment. For award and retention of AFSC 2A5X4, completion of a current National Agency Check, Local Agency Checks and Credit (NACLC) according to DODMAN5200.02\_AFMAN16-1405, *Personnel Security Program Management*.

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

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

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

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

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

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

**2.4.1.2. Education.** Not used.

**2.4.1.3. Training.** Not used.

**2.4.1.4. Experience.** For award of AFSC 2A590, qualification in and possession of AFSC 2A27X, 2A57X, 2A87X, 2A97X, 2A6X1C is mandatory. Experience is mandatory in the following areas: the management of maintenance efforts on aircraft and aircraft systems; evaluating maintenance, interpreting and resolving technical problems; analyzing system and component failures and inspection results; and the management and projection of funds to support maintenance efforts.

**2.4.1.5. Other.** For award and retention of these AFSCs: Must maintain local network access IAW AFI 17-130, *Cybersecurity* and AFMAN 17-1301, *Computer Security*. Specialty requires routine access to Secret material or similar environment. For award and retention of AFSCs 2A500/2A590, completion

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

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

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

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

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

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

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

## **PART II**

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

**1. Implementation.** These STS attachments will be used for technical training provided by AETC for classes beginning after 1 October 2020.

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

**2.1.** *Column 1 (Task, Knowledge, and Technical Reference)* lists the most common tasks, knowledge, and Technical References (TR) necessary for Airmen to perform duties in the 3-, 5-, and 7-skill level.

**2.2.** *Column 2 (Core Tasks)* identifies, by 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. MFM's, unit commanders, and/or supervisors may require trainees to complete Core Task training on additional MDS aircraft, if desired. If some of these Core Tasks involve training in another unit on base, trainees must still complete all Core Tasks relevant to at least one MDS aircraft. All units are bound by the requirements in this CFETP and will accommodate Core Task trainees from other units.

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

**2.4.** *Column 4 (Proficiency Codes)* shows formal training and correspondence course requirements. Also shows the proficiency to be demonstrated on the job by the graduate as a result of training on the task and knowledge and the career knowledge provided by the correspondence course.

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

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

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

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

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

**6. Recommendations.** Report unsatisfactory performance of individual course graduates to the AETC training manager at 362 TRS, 613 10<sup>th</sup> Ave, Sheppard AFB TX, 76311-2352, DSN 736-1411, or the 82TRG Customer Service Information Line at DSN 736-5236 or e-mail: 82trgcsil@us.af.mil Please reference specific STS paragraphs.

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

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

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

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

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

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

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

## **SECTION C - SUPPORT MATERIAL**

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

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

**1. Purpose.** This section of the CFETP identifies training courses available for the 2A5X4 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 736-1411

373 TRS/TRR  
917 Missile Rd, Suite 200  
Sheppard AFB, TX 76311-2852  
DSN 736-0555

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

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

982 TRG: DSN 736-4687

## 2. Air Force In-resident Courses:

**NOTE:** Unless otherwise stated in the Course Title block below, airframe specific STS elements are trained in the course(s) listed in the 2A5X4 Course Objective Training Matrix, Attachment B.

<b>Table 2.1 Enlisted Initial Skills Courses</b>					
<b>Course Number</b>	<b>Course Title</b>	<b>Location</b>	<b>OPR</b>	<b>USER</b>	<b>Course Length</b>
J3ABR2A534A018D	Aerospace Maintenance Apprentice, C-135 (Attachment 3)	Sheppard AFB, TX	362 TRS	USAF	56
J3ABR2A534A022D/ J3AQR2A534A022D	Aerospace Maintenance Apprentice, E-3/E-8 (Attachment 2 only)	Sheppard AFB, TX	362 TRS	USAF	24
J3ABR2A534B031D/ J3AQR2A534B031D	Aerospace Maintenance Apprentice, KC-10 (Attachment 2 only)	Sheppard AFB, TX	362 TRS	USAF	24
J3AQR2A534C052B	Aerospace Maintenance Apprentice, KC-46 (Attachment 2 only)	Sheppard AFB, TX	362 TRS	USAF	24
J3ABP2A534CM52A	KC-46 Aircraft Maintenance Apprentice (Attachment 6)	McConnell AFB, KS	373 TRS	USAF	54
J3ABR2A534D003D	Aerospace Maintenance Apprentice, B-52 (Attachment 7)	Sheppard AFB, TX	362 TRS	USAF	61
J3ABR2A534E001D/ J3AQR2A534E001D	Aerospace Maintenance Apprentice, B-1 (Attachment 2 only)	Sheppard AFB, TX	362 TRS	USAF	24
J3ABR2A534F002D/ J3AQR2A534F002D	Aerospace Maintenance Apprentice, B-2 (Attachment 2 only)	Sheppard AFB, TX	362 TRS	USAF	24

## Right Time Training

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

Under the RTT construct, Active Duty Airmen will be awarded their 3-level qualification in their respective AFSC prior to departing Sheppard AFB through a Type-3 course. After completion of this course, the Airmen will subsequently attend targeted weapons system training during a required Type-4 RTT course taught by the Field Training Detachment (FTD) at their first permanent duty location. Active

Duty en-route Airmen, installations with low flow 3-level crew chiefs, and Airmen assigned where there are no FTDs located will attend Type-4 RTT courses at regionalized locations.

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

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

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

1. J4AMP2A534AB22X E-3 Aerospace Maintenance (Right Time Training)
2. J4AMP2A534AD24X, E-8C Aerospace Maintenance (Right Time Training)
3. J4AMP2A534BM31X, KC-10A Aerospace Maintenance (Right Time Training)
4. J4AMP2A534EH01X, B-1B Aerospace Maintenance (Right Time Training)
5. J4AMP2A534FD02X, B-2 Aerospace Maintenance (Right Time Training)

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

1. J4ABP2A534AB22X, E-3 Aerospace Maintenance (Right Time Training)
2. J4ABP2A534BM31X, KC-10A Aerospace Maintenance (Right Time Training)
3. J4ABP2A534EH01X, B-1B Aerospace Maintenance (Right Time Training)
4. J4ABP2A534FD02X, B-2 Aerospace Maintenance (Right Time Training)

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

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

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

OPR: 362 TRS/TRR  
613 10th Avenue

372 TRS  
917 Missile Rd, Suite 200

373 TRS  
917 Missile Rd, Suite 200

Sheppard AFB, TX 76311  
DSN 736-1411

Sheppard AFB, TX 76311  
DSN 736-4797

Sheppard AFB, TX 76311  
DSN 736-3937

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

**Table 2.2 Supplemental Courses**

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 or Disabled Aircraft Recovery	362 TRS	USAF

### **3. Exportable Courses:**

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

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

OPR: 362 TRS/TRR  
613 10th Avenue  
Sheppard AFB, TX 76311-2352  
DSN 736-1411

**Table 3.1 Exportable Courses**

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

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

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

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

BY ORDER OF THE SECRETARY OF THE AIR FORCE

OFFICIAL

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

**9 STS Attachments**

1. Proficiency Code Key
2. Aircraft Maintenance Common Training Requirements
3. 2A5X4A, C-135 Qualitative Requirements
4. 2A5X4A, E-3/E-8 Qualitative Requirements
5. 2A5X4B, KC-10 Qualitative Requirements
6. 2A5X4C, KC-46 Qualitative Requirements
7. 2A5X4D, B-52 Qualitative Requirements
8. 2A5X4E, B-1 Qualitative Requirements
9. 2A5X4F, B-2 Qualitative Requirements

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

#### Explanations:

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

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

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

/ 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 task and knowledge items taught in the initial skills course are trained during war time.

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# AIRCRAFT MAINTENANCE COMMON TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3- lVl	5- lVl	7- lVl	9- lVl
<b>A2.1.</b> <b>CAREER LADDER PROGRESSION</b> <b>TR: AFI 36-2101</b>											
A2.1.1 Progression in career ladder								A			
A2.1.2 Duties of AFS								A			
<b>A2.2.</b> <b>OPERATIONS SECURITY (OPSEC) VULNERABILITY OF AFSC</b> <b>TR: AFI 10-701</b>											
A2.2.1 Purpose of OPSEC								A			
<b>A2.3.</b> <b>AF CONSOLIDATED OCCUPATIONAL SAFETY INSTRUCTION</b> <b>TR: AFI 21-101, AFMANS 91-203 and 11-218; TOs 00-25-172, 1-1-691, and applicable aircraft TOs</b>											
A2.3.1 Housekeeping consistent with safety of personnel and equipment								A			
A2.3.2. Safety precautions pertaining to aircraft maintenance											
A2.3.2.1 Engine air intake and exhaust								A			
A2.3.2.2 High intensity sound								A			
A2.3.2.3 Turbine, propeller, and rotor plane of rotation								A			
A2.3.2.4 Radio frequency radiation								A			
A2.3.2.5 Ground handling of aircraft								A			
A2.3.2.6 Hot brakes								A			
A2.3.2.7 Use of tools and equipment								A			
A2.3.2.8 Servicing aircraft systems								A			
A2.3.2.9 Cleaning agents								A			
A2.3.2.10 Solvents								A			
A2.3.2.11 Lubricants								A			
A2.3.2.12 High pressure gasses								A			
A2.3.2.13 Aircraft explosive equipment								A			
A2.3.2.14 Composite materials								A			
A2.3.2.15 Maintenance resource management								-			
A2.3.2.16 Electrostatic hazards, static grounding and bonding TR: TOs 00-25-172 and 00-25-234								A			
A2.3.2.17 Purpose of fall protection/prevention								A			
A2.3.3. Portable ground fire extinguishers TR: AFI 32-2001; TO 00-25-172											
A2.3.3.1 Perform pre-use inspection	5							2b			

# AIRCRAFT MAINTENANCE COMMON TRAINING REQUIREMENTS

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

# AIRCRAFT MAINTENANCE COMMON TRAINING REQUIREMENTS

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

# AIRCRAFT MAINTENANCE COMMON TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3- lVl	5- lVl	7- lVl	9- lVl
A2.8.2.10 Document AFTO Form 350 (except HH-60)								1b			
A2.8.2.11 Document AFTO Form 349								-			
A2.8.2.12 Document AFTO Form 95								-			
A2.8.3. Maintenance Information Systems (MIS)											
A2.8.3. Purpose								A			
A2.8.3.2. Job data documentation (JDD)											
A2.8.3.2.1 Purpose								-			
A2.8.3.2.2 Access JDD								-			
A2.8.3.2.3 Create maintenance event								-			
A2.8.3.2.4 Defer maintenance event								-			
A2.8.3.2.5 Schedule maintenance event								-			
A2.8.3.2.6 Close maintenance event								-			
A2.8.3.2.7 Use IMDS								-			
A2.8.3.3. G0-81											
A2.8.3.3.1 Purpose								-			
A2.8.3.3.2 Access JDD								-			
A2.8.3.3.3 Create maintenance event								-			
A2.8.3.3.4 Defer maintenance event								-			
A2.8.3.3.5 Schedule maintenance event								-			
A2.8.3.3.6 Close maintenance event								-			
A2.8.3.3.7 Use G0-81								-			
A2.8.4 Historical records								-			
A2.8.5 Configuration management								-			
<b>A2.9.</b> <b>MAINTENANCE MATERIALS/TOOLS</b> <b>TR: AFI 21-101; TOs 1-1A-8, 1-1A-14, 1-1-691 and TO 32 series as applicable</b>											
A2.9.1 Tool control								A			
A2.9.2 Select and use special tools								-			
A2.9.3 Process Test, Measurement, and Diagnostic Equipment (TMDE)								-			
A2.9.4. Hardware											
A2.9.4.1 Purpose								A			
A2.9.4.2 Remove/inspect/install								2b			
A2.9.5. Electrical connectors											
A2.9.5.1 Purpose								A			
A2.9.5.2 Connect/disconnect								2b			

# AIRCRAFT MAINTENANCE COMMON TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3- lVl	5- lVl	7- lVl	9- lVl
A2.9.6. Securing devices											
A2.9.6.1 Purpose								A			
A2.9.6.2 Install/remove safety wire								2b			
A2.9.6.3 Install/remove cotter pins								2b			
A2.9.6.4 Safety cable								A			
A2.9.7 Lubricants								A			
A2.9.8 Sealants								A			
A2.9.9 Adhesives								A			
A2.9.10 Cleaning agents								A			
A2.9.11 Hand tools											
A2.9.11.1 Purpose								A			
A2.9.11.2 Select, inspect and use								2b			
A2.9.12 Measuring tools											
A2.9.12.1 Purpose (to include Prevailing Torque)								A			
A2.9.12.2 Select and use ruler								2b			
A2.9.12.3 Select and use thickness gauge								2b			
A2.9.12.4 Use multi-meter								-			
A2.9.12.5 Select, inspect and use torque wrench (to include Prevailing Torque)								1b			
A2.9.12.6 Select and use micrometer								-			
A2.9.12.7 Use depth gauge								2b			
<b>A2.10. RESPONSIBILITY FOR SUPPLY</b> <b>TR: AFI 21-101; AFMAN 23-122;</b> <b>TOs 00-20-3 and 00-35D-54</b>											
A2.10.1 Maintenance supply concept								A			
A2.10.2 Standard Base Supply System (SBSS)								-			
A2.10.3 Special requisition (GPC, local purchase)								-			
A2.10.4 Ordering parts								A			
A2.10.5 Priority system								A			
A2.10.6 Prepare repairable and serviceable parts for turn-in								-			
A2.10.7 Repair cycle assets								-			
A2.10.8 Due-in From Maintenance (DIFM) Control								A			
A2.10.9 Local manufacture of parts								-			
A2.10.10 Equipment account management								-			

# AIRCRAFT MAINTENANCE COMMON TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3- lVl	5- lVl	7- lVl	9- lVl
A2.10.11	Deficiency reporting							-			
A2.10.12	Warranty programs							-			
A2.10.13	DD Forms 1574, 1575, 1576, 1577 and 1577-2 Condition Tags)							A			
A2.10.14	Classified asset handling							-			
<b>A2.11.</b>	<b>AIRCRAFT GENERAL</b> <b>TR: AFMAN 11-218; TOs 00-20-1, 00-25-172, 1-1-691, 1-1B-50 and applicable aircraft TOs</b>										
A2.11.1	Weight and balance							A			
A2.11.2	Determine weight and balance requirements							-			
A2.11.3	Inventory aircraft equipment							-			
A2.11.4	Safe aircraft for maintenance							A			
A2.11.5.	Corrosion control program										
A2.11.5.1	Aircraft cleaning							A			
A2.11.5.2	Corrosion identification							A			
A2.11.5.3	Corrosion treatment							A			
A2.11.5.4	Aircraft lubrication							A			
A2.11.6.	Aircraft inspections										
A2.11.6.1	Concepts and types							A			
A2.11.6.2	Non-Destructive Inspections (NDI)							A			
A2.11.6.3	Borescope							A			
A2.11.7.	Fundamentals of ground handling										
A2.11.7.1	Jacking							A			
A2.11.7.2	Towing							A			
A2.11.7.3	Mooring							A			
A2.11.8	Aircraft marshalling signals	5						2b			
A2.11.9	Crash Damaged, or Disabled Aircraft Recovery (CDDAR)							A			
A2.11.10	Perform inclement/cold weather procedures TR: TO 42C-1-2S-2							-			
A2.11.11	De-ice aircraft: TR: TO 42C-1-2S-2, 14CFR121.629 section 121.629							-			
A2.11.12	Debrief crews							-			
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							-			

# AIRCRAFT MAINTENANCE COMMON TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3- lVl	5- lVl	7- lVl	9- lVl
(ABDR) TR: 1-1H-39											
<b>A2.12. AIRFRAME</b> <b>TR: Applicable aircraft TOs</b>											
A2.12.1 Structure								A			
A2.12.2 Remove/inspect/install panels								1b			
A2.12.3 Inspect structural components								-			
<b>A2.13. LANDING GEAR (except HH-60)</b> <b>TR: Applicable aircraft TOs</b>											
A2.13.1 System fundamentals								A			
A2.13.2. Service											
A2.13.2.1 Shock strut								1b			
A2.13.2.2 Tire								1b			
A2.13.3. Remove/install											
A2.13.3.1 Wheel and tire assembly								1b			
A2.13.3.2 Brake assembly								1b			
A2.13.4 Brake bleeding								A			
<b>A2.14. UTILITIES (except HH-60)</b> <b>TR: Applicable aircraft TOs</b>											
A2.14.1. System fundamentals											
A2.14.1.1 Oxygen								A			
A2.14.1.2 Bleed air								A			
A2.14.1.3 Pressurization								A			
A2.14.1.4 Air conditioning								A			
A2.14.1.5 Fire/overheat warning								A			
A2.14.1.6 Fire suppression								A			
<b>A2.15. FLIGHT CONTROLS</b> <b>TR: Applicable aircraft TOs</b>											
A2.15.1 Fundamentals of flight								A			
A2.15.2 Primary flight control fundamentals (except HH-60)								A			
A2.15.3 Secondary flight control fundamentals (except HH-60)								A			
A2.15.4 Component identification								A			
A2.15.5 Operate flight controls (except HH-60)								1a			
<b>A2.16. HYDRAULICS</b> <b>TR: TO 1-1A-8 and applicable aircraft TOs</b>											
A2.16.1 System fundamentals								A			
A2.16.1.1 Hydraulic schematics/diagrams								A			
A2.16.2. Remove/install components											
A2.16.2.1 Tubing/hoses								-			

# AIRCRAFT MAINTENANCE COMMON TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3- lvl	5- lvl	7- lvl	9- lvl
A2.16.2.2 Fittings								-			
A2.16.2.3 Filter elements								-			
<b>A2.17.</b> <b>ENGINES</b> <b>TR: Applicable aircraft TOs</b>											
A2.17.1 System fundamentals								A			
A2.17.2 Component identification								A			
A2.17.3 Oil system servicing								A			
A2.17.4 Joint oil analysis program								-			
<b>A2.18.</b> <b>FUELS</b> <b>TR: AMAN 91-203; TOs 00-25-172, 1-1-3 and applicable aircraft TOs, Applicable AFOSH standards</b>											
A2.18.1 System fundamentals								A			
A2.18.2 Classify fuel leaks								A			
<b>A2.19.</b> <b>ELECTRICAL</b> <b>TR: Applicable aircraft TOs</b>											
A2.19.1 AC electrical system fundamentals								A			
A2.19.2 DC electrical system fundamentals								A			
A2.19.3 Wire repair								-			
A2.19.4 Fiber optics								-			
A2.19.5 Electrical bonding								-			
A2.19.6 Databus								-			
A2.19.7 Electrical schematics / diagrams								A			
<b>A2.20.</b> <b>SUPPORT EQUIPMENT</b> <b>TR: AFMAN 91-203; TO 35A3 series as applicable, equipment TOs</b>											
A2.20.1. Maintenance stands											
A2.20.1.1 Purpose and description								A			
A2.20.1.2 Perform pre-use inspection and operate								2b			
A2.20.2. Self-propelled universal platforms											
A2.20.2.1 Purpose and description								-			
A2.20.2.2 Perform pre-use inspection and operate								-			
A2.20.3. Aircraft jacks TR: TO 35A2 series as applicable											
A2.20.3.1 Purpose and description								A			
A2.20.3.2 Perform pre-use inspection and operate								2b			
A2.20.4. Jacking manifold TR: TO 35A2 series as applicable											
A2.20.4.1 Purpose and description								-			

# AIRCRAFT MAINTENANCE COMMON TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3- lVl	5- lVl	7- lVl	9- lVl
A2.20.4.2 Perform pre-use inspection and operate								-			
A2.20.5. Oxygen servicing equipment TR: TO 15X-1-1and 37C2-8 series as applicable											
A2.20.5.1. Liquid oxygen (LOX)											
A2.20.5.1.1 Purpose and description								A			
A2.20.5.1.2 Perform pre-use inspection and operate								-			
A2.20.5.2. Gaseous oxygen (GOX) (except HH- 60)											
A2.20.5.2.1 Purpose and description								A			
A2.20.5.2.2 Perform pre-use inspection and operate								-			
A2.20.6. Diesel air compressors TR: TO 34Y1 series as applicable											
A2.20.6.1 Purpose and description								A			
A2.20.6.2 Perform pre-use inspection and operate								-			
A2.20.7. Ground heaters TR: TO 35E7 series as applicable											
A2.20.7.1 Purpose and description								A			
A2.20.7.2 Perform pre-use inspection and operate								-			
A2.20.8. Lighting equipment TR: TO 35F5 series as applicable											
A2.20.8.1 Purpose and description								A			
A2.20.8.2 Perform pre-use inspection and operate								2b			
A2.20.9. Hydraulic test stand TR: TO 33A2 series as applicable											
A2.20.9.1 Purpose and description								A			
A2.20.10. Air conditioning units TR: TO 35E9 Series as applicable											
A2.20.10.1 Purpose and description								A			
A2.20.11. Ground generator sets/gas turbine compressors											
A2.20.11.1. A/M32A-60 gas turbine generator set/gas turbine compressor TR: TO 35C2 series as applicable (except HH-60)											
A2.20.11.1.1 Purpose and description								A			
A2.20.11.1.2 Perform pre-use inspection and operate								2b			
A2.20.11.2. A/M32A-95 gas turbine compressor (except HH-60) TR: TO 35D12series as applicable											
A2.20.11.2.1 Purpose and description								A			
A2.20.11.3. Diesel driven generator sets											

## AIRCRAFT MAINTENANCE COMMON TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3- lVl	5- lVl	7- lVl	9- lVl
TR: TO 35C2 series as applicable											
A2.20.11.3.1 Purpose and description								A			
A2.20.11.3.2 Perform pre-use inspection and operate (except HH-60)								2b			
A2.20.12. Tow bar TR: Applicable aircraft TOs											
A2.20.12.1 Purpose and description								A			
A2.20.12.2 Connect/disconnect								-			
A2.20.13. Tow vehicles TR: TO 36A10 series as applicable											
A2.20.13.1 Purpose and description								A			
A2.20.13.2 Perform pre-use inspection and operate								-			
A2.20.14. Self-generating nitrogen equipment TR: TO 35D29-7-6-1											
A2.20.14.1 Purpose and description								A			
A2.20.14.2 Perform pre-use inspection and operate								2b			
A2.20.15. Gaseous nitrogen servicing equipment TR: TO 35D3 series as applicable											
A2.20.15.1 Purpose and description								A			
A2.20.15.2 Perform pre-use inspection and operate								-			
A2.20.16. Engine stands and dollies TR: TO 35D3 series as applicable											
A2.20.16.1 Purpose and description								A			
A2.20.16.2 Perform pre-use inspection and operate								-			

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# C-135 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
			A	B	C	D	E	A	B	C	D
	Core/Cert ^	Deployment 5 / SEI +	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3- lvl	5- lvl	7- lvl	9- lvl
<b>A3.1. AIRCRAFT GENERAL TR: TO 1C-135-2-2-2</b>											
A3.1.1 Perform aircraft safe for maintenance	5							2b			
A3.1.2 Use aircraft TOs TR: TO 00-5-1	5							2b			
A3.1.3. Periodic/isochronal inspection concepts and inspections TR: TO 00-20 series and applicable 1C-135-6 TOs											
A3.1.3.1 Periodic/isochronal inspection concepts								A			
A3.1.3.2. Perform inspections											
A3.1.3.2.1 Preflight	5							2b			
A3.1.3.2.2 Quick turn	5							-			
A3.1.3.2.3 Thruflight	5							2b			
A3.1.3.2.4 Hourly post-flight	5							2b			
A3.1.3.2.5 Alert 5A	5R							-			
A3.1.3.2.6 Alert 5B	5R							-			
A3.1.3.2.7. Isochronal											
A3.1.3.2.7.1 Inspect area 1								-			
A3.1.3.2.7.2 Lube area 1								-			
A3.1.3.2.7.3 Inspect area 2								-			
A3.1.3.2.7.4 Lube area 2								-			
A3.1.3.2.7.5 Inspect area 3								-			
A3.1.3.2.7.6 Lube area 3								-			
A3.1.3.2.7.7 Inspect area 4								-			
A3.1.3.2.7.8 Lube area 4								-			
A3.1.3.2.8 Transfer								-			
A3.1.3.2.9 Calendar								-			
A3.1.3.2.10 Special								-			
A3.1.3.2.11 900 hr insp								-			
A3.1.3.2.12 Time change item								-			
A3.1.3.2.13 Exterior panel/secondary structure inspection								-			
A3.1.3.2.14 Critical corrosion inspection								-			
A3.1.3.2.15 Inspect and use fall protection equipment. TR: AFMAN 91-203								2b			
A3.1.4. Aircraft communications equipment TR: TOs 1C-135-2-11-40 and 1C-135-2-11-40-1											
A3.1.4.1 Operate radio	5							-			
A3.1.4.2 Use interphone	5							2b			
A3.1.5. Perform ground handling TR: AFMAN 11-218, applicable											

# C-135 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
			A	B	C	D	E	A	B	C	D
	Core/Cert ^	Deployment 5 / SEI +	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3- lvl	5- lvl	7- lvl	9- lvl
AFMAN 91 series, and TOs 00-25-172, 1C-135-1, and 1C-135-2											
A3.1.5.1 Launch aircraft	5							a			
A3.1.5.2 Call flight controls	5							2b			
A3.1.5.3 Recover aircraft	5							a			
A3.1.5.4 Download Data Display and Transfer Unit (DDTU) data	5							-			
A3.1.5.5. Tow aircraft											
A3.1.5.5.1 Wing walker	5							a			
A3.1.5.5.2 Tail walker	5							a			
A3.1.5.5.3 Brake operator	5							a			
A3.1.5.5.4 Tow team supervisor	7							-			
A3.1.5.5.5 Tow vehicle operator								-			
A3.1.5.6. Jack and level aircraft											
A3.1.5.6.1 Jacking team member								-			
A3.1.5.6.2 Leveling scale (plumb bob) operator								-			
A3.1.5.6.3 Jacking manifold operator								-			
A3.1.5.6.4 Jacking supervisor								-			
A3.1.5.6.5 Axle jacking	5							2b			
A3.1.6 Compute center of gravity TR: Applicable aircraft 1C-135-2, 1C-135-5, and 1C-135-21 series TOs	5							2b			
A3.1.7. Install/remove ground safety devices TR: Applicable 1C-135-2 series TOs											
A3.1.7.1 Landing gear	5							2b			
A3.1.7.2 Landing gear doors	5							2b			
A3.1.8. Configure/reconfigure aircraft TR: Applicable 1C-135-2 and 1C-135-21 series TOs											
A3.1.8.1 Rolling stock/palletized cargo								-			
A3.1.8.2 Passenger/personnel								-			
A3.1.8.3 Distinguished Visitor (DV)								-			
A3.1.9 Maintain/store/configure/-21 equipment								-			
A3.1.10. Cargo roller system TR: Applicable 1C-135-2 and 1C-135-21 series TOs											
A3.1.10.1 Remove/install								-			
A3.1.10.2 Troubleshoot/repair								-			
A3.1.11. Perform aircraft wash TR: 1C-135-6WC-3											
A3.1.11.1 Team member								-			
A3.1.11.2 Team supervisor								-			
A3.1.11.3 Post wash lube								-			

# C-135 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
			A	B	C	D	E	A	B	C	D
	Core/Cert ^	Deployment 5 / SEI +	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3- lvl	5- lvl	7- lvl	9- lvl
A3.1.12. Maintenance Data Documentation (MDD) TR: AFI 21-101, TOs 00-20-1, 00-20- and 1C-135-06											
A3.1.12.1 Document AFTO Form 781H	5							2b			
A3.1.12.2 Document AFTO Form 781A	5							2b			
A3.1.12.3 Document AFTO Form 781J	5							2b			
A3.1.12.4 Document AFTO Form 781K	5							2b			
A3.1.12.5 Document AFTO Form 781F								2b			
<b>A3.2.</b> <b>AIRFRAME</b> <b>TR: Applicable 1C-135-2 and 1C-135-3 series TOs</b>											
A3.2.1 Components and structure								A			
A3.2.2 Service cargo door reservoir	5							-			
A3.2.3. Operate											
A3.2.3.1 Crew entry door	5							2b			
A3.2.3.2 Cargo door	5							2b			
A3.2.3.3 Emergency exit hatch	5							2b			
A3.2.3.4 Wheel well doors	5							2b			
A3.2.4. Open/close											
A3.2.4.1 Cowling (F-108)	5							a			
A3.2.4.2 Cowling (TF-33)								-			
A3.2.4.3 Panels/doors								-			
A3.2.4.4 Windows								-			
A3.2.5. Remove/install											
A3.2.5.1 Cowling (F-108)								-			
A3.2.5.2 Cowling (TF-33)								-			
A3.2.5.3 Panels/doors								-			
A3.2.5.4 Non-explosive seats								-			
A3.2.5.5 Windows								-			
A3.2.5.6 Life rafts								-			
A3.2.5.7 Escape slide								-			
A3.2.5.8 Radomes								-			
A3.2.5.9 Door/hatch seals								-			
A3.2.5.10 Thermal curtains								-			
A3.2.5.11 Boom sighting door window	5							2b			
A3.2.5.12 Boom sighting door								-			
A3.2.5.13 Quick Start Auxiliary Power Unit System (QSAS) inlet and exhaust doors								-			
A3.2.5.14 Tail cone								-			

# C-135 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
			A	B	C	D	E	A	B	C	D
	Core/Cert ^	Deployment 5 / SEI +	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3-lvl	5-lvl	7-lvl	9-lvl
A3.2.6 Perform extreme climatic and environmental maintenance TR: TO 1C-135-2-2-2								a			
A3.2.7 Inspect crew/passenger comfort facilities TR: Applicable -6 TOs								-			
A3.2.8 Service crew/passenger comfort facilities	5							-			
<b>A3.3.</b> <b>LANDING GEAR SYSTEMS</b> TR: Applicable 1C-135-2 series and 1C-135-2-7-1-2 TOs											
A3.3.1 Components and system operation								A			
A3.3.2 Troubleshoot								-			
A3.3.3. Operate											
A3.3.3.1 Landing gear								-			
A3.3.3.2 Brakes	5							2b			
A3.3.3.3 Steering system								-			
A3.3.3.4 Anti-skid system	5							-			
A3.3.4. Service											
A3.3.4.1 Snubber	5							2b			
A3.3.4.2 Centering cylinder	5							2b			
A3.3.4.3. Landing gear struts											
A3.3.4.3.1 Deflate	5							2b			
A3.3.4.3.2 Drain								-			
A3.3.4.3.3 Fill	5							2b			
A3.3.4.3.4 Inflate	5							2b			
A3.3.4.4 Tires	5							2b			
A3.3.5 Lubricate landing gear components								-			
A3.3.6. Remove/install											
A3.3.6.1 Snubber								-			
A3.3.6.2 Centering cylinder								-			
A3.3.6.3. Wheel and tire assemblies TR: 1C-135-2-7-1, 4W-1-61, and 4T-1-3 TOs											
A3.3.6.3.1 Nose	5							2b			
A3.3.6.3.2 Main	5							2b			
A3.3.6.4 Anti-skid transducer	5							2b			
A3.3.6.5 Carbon brake assemblies	5							2b			
A3.3.7 Bleed brake assembly (carbon)	5							2b			
A3.3.8 Determine serviceability of aircraft tires TR: 4T-1-3	5							2b			
<b>A3.4.</b> <b>UTILITY SYSTEMS</b> TR: TO 00-25-172 and applicable 1C-135-2 and 1C-135-6 series TOs											

# C-135 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
			A	B	C	D	E	A	B	C	D
	Core/Cert ^	Deployment 5 / SEI +	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3- lvl	5- lvl	7- lvl	9- lvl
A3.4.1 Components and system operation								A			
A3.4.2 Troubleshoot								-			
A3.4.3. Operate											
A3.4.3.1 Bleed air system								-			
A3.4.3.2 Air conditioning system								-			
A3.4.3.3 Pressurization system								-			
A3.4.3.4 Anti-ice system								-			
A3.4.3.5 Fire/overheat warning system	5							-			
A3.4.3.6 Fire extinguishing system								-			
A3.4.3.7 Oxygen system								-			
A3.4.4. Service oxygen system											
A3.4.4.1 Gaseous oxygen (if equipped)	5							2b			
A3.4.4.2 Liquid oxygen (if equipped)	5							-			
A3.4.5. Inspect											
A3.4.5.1 Bleed air system								-			
A3.4.5.2 Air conditioning system								-			
A3.4.5.3 Pressurization system								-			
A3.4.5.4 Anti-ice system								-			
A3.4.5.5 Fire/overheat warning system								-			
A3.4.5.6 Fire extinguisher system								-			
A3.4.5.7 Oxygen system								-			
A3.4.6. Air Cycle Machine (ACM)											
A3.4.6.1 Drain	5							-			
A3.4.6.2 Service	5							-			
<b>A3.5. FLIGHT CONTROL SYSTEM</b> TR: Applicable 1C-135-2 series TOs											
A3.5.1 Components and system operation								A			
A3.5.2 Troubleshoot								-			
A3.5.3. Operate flight controls											
A3.5.3.1 Aileron system								2b			
A3.5.3.2 Rudder system								2b			
A3.5.3.3 Elevator system								2b			
A3.5.3.4 Spoiler/speed brake system								2b			
A3.5.3.5 Stabilizer trim system								2b			
A3.5.3.6 Flap system	5							2b			
A3.5.4. Remove/install											
A3.5.4.1 Cove lip door								-			
A3.5.4.2 Cove lip door latch								-			

# C-135 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
			A	B	C	D	E	A	B	C	D
	Core/Cert ^	Deployment 5 / SEI +	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3-lvl	5-lvl	7-lvl	9-lvl
A3.5.4.3 Electric flap torque limiter								-			
A3.5.4.4 Flap jackscrew								-			
A3.5.4.5 Fore flap								-			
A3.5.4.6 Aileron snubber								-			
A3.5.4.7 Elevator snubber								-			
A3.5.4.8 Gearbox								-			
A3.5.4.9 Control/trim tab								-			
A3.5.4.10 Ailerons								-			
A3.5.4.11 Rudder								-			
A3.5.4.12 Elevators								-			
A3.5.4.13 Leading edge flaps								-			
A3.5.4.14 Main flaps								-			
A3.5.4.15 Fillet flaps								-			
A3.5.4.16 Spoiler/speed brake								-			
A3.5.5 Lubricate flight controls								-			
A3.5.6 Service gearbox								-			
A3.5.7 Rig								-			
<b>A3.6. HYDRAULIC SYSTEMS</b> TR: Applicable 1C-135-2 series TOs											
A3.6.1 Components and system operation								A			
A3.6.2 Troubleshoot								-			
A3.6.3. Service hydraulic system											
A3.6.3.1 Reservoir	5							2b			
A3.6.3.2 Accumulator	5							2b			
A3.6.3.3 Drain reservoir								-			
A3.6.4. Operate											
A3.6.4.1 Engine driven pump								-			
A3.6.4.2 Non-engine driven pump	5							2b			
A3.6.5 Remove/install accumulator								-			
<b>A3.7. ENGINES AND AUXILIARY POWER UNIT (APU)</b> TR: AFMAN 11-218, applicable AFI 91 series, 1C-135-2 series and engine related TOs											
A3.7.1 Components and system operation								A			
A3.7.2 Troubleshoot								-			
A3.7.3. Perform											
A3.7.3.1 Engine operational check								-			
A3.7.3.2 Engine trim								-			
A3.7.3.3 Adjustment of main engine control								-			

# C-135 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
			A	B	C	D	E	A	B	C	D
	Core/Cert ^	Deployment 5 / SEI +	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3-lvl	5-lvl	7-lvl	9-lvl
A3.7.3.4 Engine motor, wet								-			
A3.7.3.5 Engine motor, dry								-			
A3.7.3.6 Audible ignition check	5							-			
A3.7.3.7 Alternate engine start								-			
A3.7.4. Operate											
A3.7.4.1 Engine and subsystems								-			
A3.7.4.2 APU (if equipped)	5							-			
A3.7.5. Service											
A3.7.5.1 Oil system	5							a			
A3.7.5.2 Constant Speed Drive (CSD)/Integrated Drive Generator (IDG)								-			
A3.7.5.3 Gearbox								-			
A3.7.5.4 APU (if equipped)	5							-			
A3.7.6. Remove/install											
A3.7.6.1 Starter								-			
A3.7.6.2 Starter cartridge								-			
A3.7.6.3 Fuel filter								-			
A3.7.6.4 Minor components								-			
A3.7.7 Take engine oil sample TR: TO 42B2-1-9, 33-1-37								-			
A3.7.8. Inspect engine TR: Applicable 1C-135-6 series TOs											
A3.7.8.1 Intake	5							1b			
A3.7.8.2 Exhaust	5							1b			
A3.7.8.3 Chip detectors								a			
A3.7.9 Blend blades								-			
A3.7.10 Inspect APU TR: Applicable -6 TOs								2b			
<b>A3.8. AIRCRAFT FUEL SYSTEMS</b> <b>TR: TO 00-25-172, applicable AFI 91 series and 1C-135-2 series TOs</b>											
A3.8.1 Components and system operation								A			
A3.8.2. Inspect fuel filters											
A3.8.2.1 TF-33 TR: TO 1C-135E-2-4-1								-			
A3.8.2.2 F-108 TR: 2J-F-108-2-1								-			
A3.8.3. Perform ground fuel transfer											
A3.8.3.1 Wing tank transfer	5							a			
A3.8.3.2 Body tank transfer	5R							-			
A3.8.4. Refuel aircraft											
A3.8.4.1 Team panel operator	5							a			

# C-135 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
			A	B	C	D	E	A	B	C	D
	Core/Cert ^	Deployment 5 / SEI +	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3- lvl	5- lvl	7- lvl	9- lvl
A3.8.4.2 Team supervisor	7							-			
A3.8.5. Defuel aircraft											
A3.8.5.1 Team panel operator	5R							a			
A3.8.5.2 Team supervisor	7R							-			
A3.8.6. Rapid defuel aircraft											
A3.8.6.1 Team member								a			
A3.8.6.2 Team panel operator	5R							a			
A3.8.6.3 Team supervisor	7R							-			
A3.8.7 Prepare aircraft for fuel cell maintenance								-			
A3.8.8. In-Flight Refueling (IFR) system TR: Applicable 1C-135-2 series TOs											
A3.8.8.1. IFR receiver system											
A3.8.8.1.1 Inspect								-			
A3.8.8.1.2 Operate								-			
A3.8.8.2. Boom TR: TOs 1C-135(K)R-2-6JG series, 1C-135(K)R-2-6GA-1 TOs											
A3.8.8.2.1 Inspect	5							2b			
A3.8.8.2.2 Install/remove boom sling	5							2b			
A3.8.8.2.3 Drain	5							a			
A3.8.8.2.4 Service shock absorber								2b			
A3.8.8.2.5 Service boom hoist reservoir								-			
A3.8.8.2.6 Service surge boots*	5							2b			
A3.8.8.2.7 Remove/install ruddervators								-			
A3.8.8.2.8 Remove/install nozzle	5R							-			
A3.8.8.3. Drogue TR: TOs 1C-135(K)R-2-6JG series, 1C-135(K)R-2-6GA-1 TOs											
A3.8.8.3.1 Remove/install	5R							-			
A3.8.8.3.2 Perform breakaway test	5							-			
A3.8.8.4. Multi-Point Refueling System (MPRS) TR: FR 4/96 series, 1C-135(K)R-2-6JG-14, 1C-135(K)R-2-6GA-2E, and 1C-135-6 series TOs											
A3.8.8.4.1. Remove/install											
A3.8.8.4.1.1 Pylon								-			
A3.8.8.4.1.2 MPRS Pod								-			
A3.8.8.4.1.3 Rear fairing								-			
A3.8.8.4.1.4 Hinged nose fairing								-			
A3.8.8.4.2 Drain MPRS pod								-			
A3.8.8.4.3. Hose assembly system											
A3.8.8.4.3.1 Trail/retract								-			

# C-135 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
			A	B	C	D	E	A	B	C	D
	Core/Cert ^	Deployment 5 / SEI +	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3- lvl	5- lvl	7- lvl	9- lvl
A3.8.8.4.3.2 Remove/install								-			
A3.8.8.4.4. Perform MPRS inspections											
A3.8.8.4.4.1 Preflight MPRS pod								-			
A3.8.8.4.4.2 HPO MPRS pod								-			
<b>A3.9.</b> <b>ELECTRICAL SYSTEMS</b> TR: Applicable 1C-135A-2 and 1C-135(K)R-2 series TOs											
A3.9.1 Components and system operation								A			
A3.9.2 Switch guards								A			
A3.9.3. Perform operational check											
A3.9.3.1 Electrical power supply system								-			
A3.9.3.2 Lighting system	5							2b			
A3.9.3.3 Indicator warning lights								-			
A3.9.4. Remove/install											
A3.9.4.1 Light lenses	5							-			
A3.9.4.2 Light bulbs	5							-			
A3.9.4.3 Batteries	5							2b			
A3.9.5 Connect/apply and disconnect external electrical power	5							2b			
<b>A3.10.</b> <b>EGRESS SYSTEM</b> TR: Applicable 1C-135-2 series TOs											
A3.10.1 Components and system operation								A			
A3.10.2 Remove/install emergency escape slides (except RC-135)	5							-			
A3.10.3 Remove/install emergency exit spoiler								-			
A3.10.4 Remove/install escape spoiler air supply bottle								-			
<b>A3.11.</b> <b>AEROSPACE GROUND EQUIPMENT</b> TR: Applicable AFI 91 series											
A3.11.1. Perform pre-use inspection and operate											
A3.11.1.1 Hydraulic test stand TR: TO 33A2 series as applicable								-			
A3.11.1.2 Air conditioning units TR: TO 35E9 series as applicable								-			
A3.11.1.3 A/M32A-95 gas turbine compressor TR: TO 35D12 series as applicable								-			
A3.11.1.4 Oil servicing carts TR: TO 35A17 series as applicable								-			
A3.11.1.5 Hydraulic servicing carts TR: TO 35A29 series as applicable								2b			

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### E-3/E-8 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3- lVl	5- lVl	7- lVl	9- lVl
<b>A4.1. AIRCRAFT GENERAL</b>											
A4.1.1. Isochronal inspection concept and inspections TR: TO 00-20 series and applicable -6 TOs											
A4.1.1.1 Isochronal inspection concept								-			
A4.1.1.2. Perform inspections								-			
A4.1.1.2.1 Combined preflight/post-flight	5							-			
A4.1.1.2.2 After flight (2A)	5							-			
A4.1.1.2.3 Before flight (3B)(E-8 2B)	5							-			
A4.1.1.2.4 Quick turn								-			
A4.1.1.2.5 Alert preflight								-			
A4.1.1.2.6. Isochronal								-			
A4.1.1.2.6.1 Inspect area I								-			
A4.1.1.2.6.2 Lube area I								-			
A4.1.1.2.6.3 Inspect area II								-			
A4.1.1.2.6.4 Lube area II								-			
A4.1.1.2.6.5 Inspect area III								-			
A4.1.1.2.6.6 Lube area III								-			
A4.1.1.2.6.7 Inspect area IV								-			
A4.1.1.2.6.8 Lube area IV								-			
A4.1.1.2.7 Isochronal A								-			
A4.1.1.2.8 Isochronal B								-			
A4.1.1.2.9 Home Station Check (HSC)								-			
A4.1.1.2.10 Acceptance								-			
A4.1.1.2.11 Calendar								-			
A4.1.1.2.12 Special								-			
A4.1.1.2.13 Time change item								-			
A4.1.2. Aircraft communications equipment TR: Applicable -2 and -12 TOs								-			
A4.1.2.1 Operate radio								-			
A4.1.2.2 Use interphone	5							-			
A4.1.3. Perform ground handling TR: TO 00-25-172, applicable AFIs, -1, -2, -6, and -6 TOs								-			
A4.1.3.1 Launch aircraft	5							-			
A4.1.3.2 Recover aircraft	5							-			
A4.1.3.3. Tow aircraft TR: Applicable AFIs and -2, -12series TOs								-			
A4.1.3.3.1 Wing walker	5							-			

### E-3/E-8 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3- lvl	5- lvl	7- lvl	9- lvl
A4.1.3.3.2 Tail walker	5							-			
A4.1.3.3.3 Brake operator	5							-			
A4.1.3.3.4 Tow team supervisor	7							-			
A4.1.3.3.5 Tow vehicle operator								-			
A4.1.3.4. Jack and level aircraft TR: Applicable -2 and -12 series TOs								-			
A4.1.3.4.1 Jacking team member								-			
A4.1.3.4.2 Jacking supervisor								-			
A4.1.3.4.3 Axle jacking	5							-			
A4.1.4. Perform aircraft wash TR: Applicable -6 series TOs								-			
A4.1.4.1 Team member								-			
A4.1.4.2 Team supervisor								-			
A4.1.4.3 Post wash lube								-			
A4.1.5 Compute aircraft center of gravity TR: Applicable aircraft -5 TOs								-			
A4.1.6 Use aircraft TOs	5							-			
A4.1.7. Maintenance Data Documentation (MDD) TR: Applicable AFIs, TO 00-20 series, and aircraft -06 Work Unit Code Manuals								-			
A4.1.7.1 Document AFTO Form 781H	5							-			
A4.1.7.2 Document AFTO Form 781A	5							-			
A4.1.7.3 Document AFTO Form 781J	5							-			
A4.1.7.4 Document AFTO Form 781K	5							-			
<b>A4.2. AIRFRAME</b> <b>TR: Applicable -2 and -12 series TOs</b>								-			
A4.2.1 Components and structure								-			
A4.2.2. Operate TR: Applicable -1,-2, and -12 series TOs								-			
A4.2.2.1 Entry door/hatch	5							-			
A4.2.2.2 Emergency door/hatch	5							-			
A4.2.2.3 Wheel well doors	5							-			
A4.2.2.4 Cargo and lower lobe doors								-			
A4.2.3. Remove/install TR: Applicable -2, and -12 series TOs								-			
A4.2.3.1 Cowling	5							-			
A4.2.3.2 Panels	5							-			
A4.2.3.3 Non explosive seats								-			
A4.2.3.4 Windows								-			
A4.2.3.5 Life rafts								-			

### E-3/E-8 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3- lVl	5- lVl	7- lVl	9- lVl
A4.2.4. Open/close TR: Applicable -2, and -12 series TOs								-			
A4.2.4.1 Cowling	5							-			
A4.2.4.2 Radomes								-			
A4.2.5 Inspect airframe and components TR: Applicable -2, -6 and -12 series TOs								-			
A4.2.6 Perform aircraft cold weather procedures TR: TO Applicable -2, and -12 series TOs								-			
A4.2.7 Inspect crew/passenger comfort facilities TR: Applicable -6 series								-			
A4.2.8 Service crew/passenger comfort facilities TR: Applicable -2, -6 and -12 series TOs								-			
<b>A4.3. LANDING GEAR SYSTEMS</b> <b>TR: Applicable -2 and -12 series TOs</b>								-			
A4.3.1 Components and system operation								-			
A4.3.2 Troubleshoot								-			
A4.3.3. Perform operational check								-			
A4.3.3.1 Landing gear								-			
A4.3.3.2 Brakes								-			
A4.3.3.3 Steering system								-			
A4.3.3.4 Anti-skid	5							-			
A4.3.4. Service								-			
A4.3.4.1 Landing gear struts	5							-			
A4.3.4.2 Tires	5							-			
A4.3.5 Lubricate landing gear components								-			
A4.3.6. Remove/install								-			
A4.3.6.1 Wheel and tire assemblies	5							-			
A4.3.6.2 Brake assemblies	5R							-			
A4.3.7 Bleed brake system	5R							-			
A4.3.8 Determine serviceability of aircraft tires TR: TO 4T-1-3	5							-			
<b>A4.4. UTILITY SYSTEMS</b> <b>TR: Applicable -2 and -12 series TOs</b>								-			
A4.4.1 Components and system operation								-			
A4.4.2 Troubleshoot								-			
A4.4.3. Perform operational check								-			
A4.4.3.1 Bleed air system								-			

### E-3/E-8 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3- lvl	5- lvl	7- lvl	9- lvl
A4.4.3.2 Air conditioning system								-			
A4.4.3.3 Pressurization system								-			
A4.4.3.4 Anti-ice/de-ice system								-			
A4.4.3.5 Rain removal/wiper system								-			
A4.4.3.6 Fire/overheat warning system								-			
A4.4.3.7 Fire extinguishing system								-			
A4.4.3.8 Oxygen system								-			
A4.4.4. Oxygen system TR: TOs 00-25-172; applicable -2 and -12 series TOs								-			
A4.4.4.1 Service	5							-			
A4.4.4.2 Drain								-			
A4.4.5. Inspect TR: Applicable -2,-6 and -12 series TOs								-			
A4.4.5.1 Bleed air system								-			
A4.4.5.2 Air conditioning system								-			
A4.4.5.3 Pressurization system								-			
A4.4.5.4 Anti-ice/de-ice system								-			
A4.4.5.5 Rain removal system								-			
A4.4.5.6 Fire/overheat warning system								-			
A4.4.5.7 Fire extinguishing system								-			
A4.4.5.8 Oxygen system								-			
A4.4.6 Operate forced air cooling system								-			
A4.5. <b>FLIGHT CONTROL SYSTEM</b> <b>TR: Applicable -2 and -12 series TOs</b>								-			
A4.5.1 Components and system operation								-			
A4.5.2 Troubleshoot								-			
A4.5.3 Operate flight controls	5							-			
A4.5.4 Perform operational check of flight controls								-			
A4.5.5 Remove/install flight control components								-			
A4.5.6 Lubricate flight controls								-			
A4.5.7 Rig flight controls								-			
A4.6. <b>HYDRAULIC SYSTEMS</b> <b>TR: Applicable -2 and -12 series TOs</b>								-			
A4.6.1 Components and system operation								-			
A4.6.2 Rotodome components and system operation								-			
A4.6.3 Troubleshoot								-			

### E-3/E-8 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3- lVl	5- lVl	7- lVl	9- lVl
A4.6.4. Service								-			
A4.6.4.1 Reservoir	5							-			
A4.6.4.2 Accumulator	5							-			
A4.6.5. Operate								-			
A4.6.5.1 Engine driven pump								-			
A4.6.5.2 Non-engine driven pump	5							-			
A4.6.5.3 Rotodome								-			
<b>A4.7.</b> <b>ENGINES AND AUXILIARY POWER UNIT (APU)</b> TR: Applicable AFIs and -2, -12 series TOs								-			
A4.7.1 Components and system operation								-			
A4.7.2 Troubleshoot								-			
A4.7.3. Perform								-			
A4.7.3.1 Engine operational check								-			
A4.7.3.2 Engine trim								-			
A4.7.4. Operate TR: Applicable AFI 91 series								-			
A4.7.4.1 Engine and subsystems								-			
A4.7.4.2 APU								-			
A4.7.5. Service								-			
A4.7.5.1 Engine oil system	5							-			
A4.7.5.2 Engine gearbox								-			
A4.7.5.3 APU	5							-			
A4.7.6 Remove/install starter								-			
A4.7.7 Take engine oil sample TR: TO 42B2-1-9 and 33-1-37	5							-			
A4.7.8. Inspect								-			
A4.7.8.1 Engine intake	5							-			
A4.7.8.2 Engine exhaust	5							-			
A4.7.8.3 APU	5							-			
<b>A4.8. AIRCRAFT FUEL SYSTEMS</b> TR: TOs 00-25-172, applicable AFIs, -2, -6 and -12 series TOs								-			
A4.8.1 Components and system operation								-			
A4.8.2 Perform operational check of fuel system								-			
A4.8.3. Refuel aircraft								-			
A4.8.3.1 Team member	5							-			
A4.8.3.2 Team panel operator	5							-			
A4.8.3.3 Team supervisor	7							-			

### E-3/E-8 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3- lvl	5- lvl	7- lvl	9- lvl
A4.8.4. Defuel aircraft								-			
A4.8.4.1 Team member	5							-			
A4.8.4.2 Team panel operator	5							-			
A4.8.4.3 Team supervisor	7							-			
A4.8.5 Prepare aircraft for fuel cell maintenance								-			
A4.8.6 Inspect fuel system								-			
A4.8.7 Perform fuel sump draining	5							-			
A4.8.8 Perform ground transfer	5							-			
A4.8.9. In-Flight Refueling (IFR) system TR; Applicable -2,-6 and -12 series TOs								-			
A4.8.9.1 Perform operational check								-			
A4.8.9.2 Inspect	5							-			
<b>A4.9. ELECTRICAL SYSTEMS</b> <b>TR: Applicable -2 -6 and -12 series TOs</b>								-			
A4.9.1 Components and system operation								-			
A4.9.2. Perform operational check with external power unit/APU								-			
A4.9.2.1 Electrical power supply system	5							-			
A4.9.2.2 Lighting system	5							-			
A4.9.2.3 Indicator warning lights	5							-			
A4.9.3. Remove/install								-			
A4.9.3.1 Light lenses	5							-			
A4.9.3.2 Light bulbs	5							-			
A4.9.3.3 Batteries	5							-			
A4.9.4 Inspect wiring and connectors	5							-			
A4.9.5 Connect/apply/disconnect external electrical power	5							-			
A4.9.6 Service integrated drive generator	5							-			
<b>A4.10. EGRESS SYSTEM</b> <b>TR: Applicable -2 -6 and -12 series TOs</b>								-			
A4.10.1 Components and system operation								-			
A4.10.2 Inspect evacuation slides	5							-			
A4.10.3 Remove/install evacuation slide	5							-			
<b>A4.11. AEROSPACE GROUND EQUIPMENT</b> <b>TR: Applicable AFI 91 series</b>								-			
A4.11.1. Perform pre-use inspection and operate								-			
A4.11.1.1 ACE 406-322 air conditioner TR: TO 35E9- series								-			

### E-3/E-8 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3- lvl	5- lvl	7- lvl	9- lvl
A4.11.1.2	Tri-electron power unit TR: TO 35C2-3-506-1							-			
A4.11.1.3	A/M32A-95 gas turbine compressor TR: TO 35D12-series as applicable							-			
A4.11.1.4	Oil servicing carts TR: TO 35A17-series as applicable							-			
A4.11.1.5	Hydraulic servicing carts TR: TO 35A29-series as applicable							-			

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## KC-10 QUALITATIVE REQUIREMENTS

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

<b>A5.1. AIRCRAFT GENERAL</b>								-			
A5.1.1. Inspection concept and inspections TR: TOs 00-20-1, 1C-10(K)A-6, and AMCI 21-101								-			
A5.1.1.1 C-Check inspection								-			
A5.1.1.2 A-Check inspection								-			
A5.1.1.3. Perform inspections								-			
A5.1.1.3.1 Preflight	5							-			
A5.1.1.3.2 Thruflight	5							-			
A5.1.1.3.3 Basic post-flight	5							-			
A5.1.1.3.4 Park and receive	5							-			
A5.1.1.3.5 Quick turn	5							-			
A5.1.1.3.6 Engine run crew change								-			
A5.1.1.3.7 Preflight/post-flight	5							-			
A5.1.1.3.8. 1A/2A/3A check inspections								-			
A5.1.1.3.8.1 Inspect/lubricate fuselage major zones 100, 200, 300 & 800								-			
A5.1.1.3.8.2 Inspect/lubricate engine major zones 400								-			
A5.1.1.3.8.3 Inspect/lubricate lt/rt wing major zones 500 & 600								-			
A5.1.1.3.8.4 Inspect/lubricate landing gear & doors major zone 700								-			
A5.1.1.3.8.5 Inspect/lubricate aerial refueling boom major zone 900								-			
A5.1.1.3.9 Calendar								-			
A5.1.1.3.10 Special inspections								-			
A5.1.1.3.11 Exterior panel/secondary structure inspection								-			
A5.1.1.3.12 Alert inspection								-			
A5.1.2. Air Transport Association (ATA) Technical Orders (TOs) TR: TO 1C-10(K)A-2-1								-			
A5.1.2.1 ATA TO system								-			
A5.1.2.2 Use ATA TOs	5							-			
A5.1.2.3 Service bulletins and air worthiness directives								-			
A5.1.3. Maintenance Data Documentation (MDD) TR: AFI 21-101, TO 00-20-1, 00-20- 2, applicable aircraft -06 Work Unit Code Manuals								-			
A5.1.3.1 Document AFTO Form 781H	5							-			
A5.1.3.2 Document AFTO Form 781A	5							-			
A5.1.3.3 Document AFTO Form 781J	5							-			

## KC-10 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3- lVl	5- lVl	7- lVl	9- lVl
A5.1.3.4 Document AFTO Form 781K	5							-			
A5.1.3.5 Document AFTO Form 781F								-			
A5.1.4. Aircraft communications equipment TR: TO 1C-10(K)A-2-23								-			
A5.1.4.1 Operate radio	5							-			
A5.1.4.2 Use interphone	5							-			
A5.1.5. Perform ground handling TR: AFMAN 11-218, applicable AFI 91 series, TO 00-25-172, and 1C-10(K)A-2-9, 1C-10(K)A-2-7, and 1C-10(K)A-2-25 TOs								-			
A5.1.5.1 Launch aircraft	5							-			
A5.1.5.2 Recover aircraft	5							-			
A5.1.5.3. Tow aircraft								-			
A5.1.5.3.1 Wing walker	5							-			
A5.1.5.3.2 Tail walker	5							-			
A5.1.5.3.3 Brake operator	5							-			
A5.1.5.3.4 Tow team supervisor	7R							-			
A5.1.5.3.5 Tow vehicle operator								-			
A5.1.5.3.6 Tail stand team supervisor	7							-			
A5.1.5.3.7 Tail stand tow vehicle operator								-			
A5.1.5.4. Jack and level aircraft								-			
A5.1.5.4.1 Jacking team member								-			
A5.1.5.4.2 Jacking supervisor	7R							-			
A5.1.5.5 Jack using axle jack	5							-			
A5.1.6 Compute aircraft center of gravity TR: TO 1C-10(K)A-5	7							-			
A5.1.7. Cargo winch								-			
A5.1.7.1 Remove/install								-			
A5.1.7.2 Service and repair								-			
A5.1.7.3 Operate								-			
A5.1.8. Remove/install/repair								-			
A5.1.8.1 Cargo rollers								-			
A5.1.8.2 Cargo rails								-			
A5.1.8.3 Restraint locks								-			
A5.1.9 Troubleshoot/adjust rails								-			
A5.1.10. Configure/reconfigure aircraft								-			
A5.1.10.1 Rolling stock/palletized cargo								-			
A5.1.10.2 Passenger/personnel								-			

## KC-10 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3- lVl	5- lVl	7- lVl	9- lVl
A5.1.10.3 Distinguished Visitor (DV)								-			
A5.1.10.4 Maintain/store/configure -21 equipment								-			
A5.1.10.5 Palletized seats								-			
A5.1.10.6 Z-lavatory/miscellaneous storage compartment								-			
A5.1.10.7 Cargo-only configuration								-			
A5.1.11 Remove/install Increase Accommodation Unit (IAU)								-			
A5.1.12 Perform IAU operational check								-			
<b>A5.2. AIRFRAME</b> TR: TOs 1C-10(K)A-2-52, 1C-10(K)A-2-25, and 1C-10(K)A-2-71								-			
A5.2.1 Components and structure								-			
A5.2.2. Operate								-			
A5.2.2.1 Entry doors	5							-			
A5.2.2.2 Cargo door	5							-			
A5.2.2.3 Wheel well doors	5							-			
A5.2.3 Lower tail cone assembly								-			
A5.2.4 Raise tail cone assembly								-			
A5.2.5 Raise/lower air refueling operator door to/from maintenance position								-			
A5.2.6. Remove/install								-			
A5.2.6.1 Panels								-			
A5.2.6.2 Crew seats								-			
A5.2.6.3 Passenger seats								-			
A5.2.6.4 Air refueling operator seats								-			
A5.2.6.5 Windows								-			
A5.2.6.6 Life rafts/slides	7							-			
A5.2.6.7 Radome								-			
A5.2.6.8 Crew entry ladder								-			
A5.2.7. Open/close								-			
A5.2.7.1 Wing engine cowling	5							-			
A5.2.7.2 #2 engine cowling	5							-			
A5.2.7.3 Radome								-			
A5.2.8 Perform aircraft cold weather procedures								-			
<b>A5.3. LANDING GEAR SYSTEMS</b> TR: TO 1C-10(K)A-2-32								-			
A5.3.1 Components and system operation								-			
A5.3.2 Troubleshoot								-			

## KC-10 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3- lVl	5- lVl	7- lVl	9- lVl
A5.3.3. Perform operational check								-			
A5.3.3.1 Landing gear								-			
A5.3.3.2 Brakes	5							-			
A5.3.3.3 Steering system								-			
A5.3.3.4 Anti-skid								-			
A5.3.4 Raise/lower center landing gear	7							-			
A5.3.5 Perform dummy retract	7							-			
A5.3.6. Service								-			
A5.3.6.1 Main Landing Gear (MLG) strut	5							-			
A5.3.6.2 Center Landing Gear (CLG) strut	5							-			
A5.3.6.3 Nose Landing Gear (NLG) strut	5							-			
A5.3.6.4 Ck/adjust X dimension MLG	5							-			
A5.3.6.5 Ck/adjust X dimension CLG	5							-			
A5.3.6.6 Ck/adjust X dimension NLG	5							-			
A5.3.6.7 Tires	5							-			
A5.3.7 Lubricate landing gear components								-			
A5.3.8. Remove/install								-			
A5.3.8.1 MLG wheel and tire assembly	5							-			
A5.3.8.2 CLG wheel and tire assembly	5							-			
A5.3.8.3 NLG wheel and tire assembly	5							-			
A5.3.8.4 MLG brake assembly	5							-			
A5.3.8.5 CLG brake assembly	5							-			
A5.3.8.6 MLG assembly								-			
A5.3.8.7 CLG assembly								-			
A5.3.8.8 NLG assembly								-			
A5.3.8.9 MLG axle sleeve								-			
A5.3.8.10 CLG axle sleeve								-			
A5.3.8.11 NLG axle sleeve								-			
A5.3.9 Rig landing gear components								-			
A5.3.10 Bleed brakes system								-			
A5.3.11 Determine serviceability of tires TR: TO 4T-1-3, applicable aircraft -2 TOs	5							-			
<b>A5.4. UTILITY SYSTEMS TR: TOs 1C-10(K)A-2-36 and 1C-10(K)A-2-35</b>								-			
A5.4.1 Components and system operation								-			
A5.4.2 Troubleshoot								-			
A5.4.3. Perform operational check								-			

## KC-10 QUALITATIVE REQUIREMENTS

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

A5.4.3.1	Bleed air system							-			
A5.4.3.2	Air conditioning system							-			
A5.4.3.3	Pressurization system							-			
A5.4.3.4	Anti-ice/de-ice system							-			
A5.4.3.5	Rain removal system							-			
A5.4.3.6	Fire warning system	5						-			
A5.4.3.7	Fire extinguishing system							-			
A5.4.3.8	Oxygen system	5						-			
A5.4.4.	Inspect TR: TOs 1C-10(K)A-2-36 and 1C-10(K)A-2-35							-			
A5.4.4.1	Bleed air system							-			
A5.4.4.2	Air conditioning system							-			
A5.4.4.3	Pressurization system							-			
A5.4.4.4	Anti-ice/de-ice system							-			
A5.4.4.5	Rain removal system							-			
A5.4.4.6	Fire warning system							-			
A5.4.4.7	Fire extinguishing system							-			
A5.4.4.8	Oxygen system							-			
A5.4.5	Service oxygen system TR: TOs 00-25-172 and 1C-10(K)A-2-12	5						-			
<b>A5.5.</b>	<b>FLIGHT CONTROL SYSTEM TR: TO 1C-10(K)A-2-27</b>							-			
A5.5.1	Components and system operation							-			
A5.5.2	Operate flight controls	5						-			
A5.5.3	Troubleshoot							-			
A5.5.4.	Remove/install components							-			
A5.5.4.1	Aileron system							-			
A5.5.4.2	Rudder system							-			
A5.5.4.3	Elevator system							-			
A5.5.4.4	Spoiler system							-			
A5.5.4.5	Flap system							-			
A5.5.4.6	Slat system							-			
A5.5.5	Lubricate flight controls							-			
A5.5.6.	Rig flight controls							-			
A5.5.6.1	Aileron system							-			
A5.5.6.2	Rudder system							-			
A5.5.6.3	Elevator system							-			

## KC-10 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3- lvl	5- lvl	7- lvl	9- lvl
A5.5.6.4 Spoiler system								-			
A5.5.6.5 Flap system								-			
A5.5.6.6 Slat system								-			
<b>A5.6.</b> <b>HYDRAULIC SYSTEMS</b> TR: TOs 1C-10(K)A-2-29 and 1C-10(K)A-2-12								-			
A5.6.1 Components and system operation								-			
A5.6.2 Troubleshoot								-			
A5.6.3. Service								-			
A5.6.3.1 Reservoir	5							-			
A5.6.3.2 Accumulator	5							-			
A5.6.4. Operate								-			
A5.6.4.1 Engine driven pump								-			
A5.6.4.2 Non-engine driven pump	5							-			
<b>A5.7.</b> <b>ENGINES AND AUXILIARY POWER UNIT (APU)</b> TR: TOs 1C-10(K)A-2-71 and 1C-10(K)A-2-49								-			
A5.7.1 Components and system operation								-			
A5.7.2 Troubleshoot								-			
A5.7.3. Perform								-			
A5.7.3.1 Engine operational check								-			
A5.7.3.2 Engine trim								-			
A5.7.4 Disable/deactivate thrust reverser system								-			
A5.7.5 Manually operate engine starter valve								-			
A5.7.6 Perform APU inlet and exhaust door deactivation								-			
A5.7.7. Operate TR: Applicable AFI 91 series and TOs 1C-10(K)A-2-71CL, 1C-10(K)A-2-49CL, and 1C-10(K)A-2-78								-			
A5.7.7.1 Engine and subsystems								-			
A5.7.7.2 APU	5							-			
A5.7.7.3 Engine thrust reverser systems								-			
A5.7.8. Service								-			
A5.7.8.1 Oil system	5							-			
A5.7.8.2 Constant speed drive	5							-			
A5.7.8.3 APU	5							-			
A5.7.9. Remove/install								-			
A5.7.9.1 Engine starter								-			

## KC-10 QUALITATIVE REQUIREMENTS

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

A5.7.9.2	Minor components							-			
A5.7.9.3	APU starter							-			
A5.7.9.4	Engine cowling							-			
A5.7.10	Take engine oil sample							-			
A5.7.11.	Inspect engine TR: TO 1C-10(K)A-2-72							-			
A5.7.11.1	Exhaust	5						-			
A5.7.11.2	Inlet	5						-			
A5.7.12	Blend fan blades							-			
A5.7.13	Inspect APU							-			
<b>A5.8.</b>	<b>AIRCRAFT FUEL SYSTEMS TR: TO 00-25-172, applicable AFI 91 series and TOs 1C-10(K)A-2-28 and 1C-10(K)A-2-12CL-1</b>							-			
A5.8.1	Components and system operation							-			
A5.8.2	Troubleshoot							-			
A5.8.3.	Perform fuel servicing operations							-			
A5.8.3.1	Ground transfer	5						-			
A5.8.3.2.	Refuel aircraft							-			
A5.8.3.2.1	Team member	5						-			
A5.8.3.2.2	Team panel operator	5						-			
A5.8.3.2.3	Team supervisor	5						-			
A5.8.3.3.	Defuel aircraft							-			
A5.8.3.3.1	Team member	5						-			
A5.8.3.3.2	Team panel operator	5						-			
A5.8.3.3.3	Team supervisor	5						-			
A5.8.3.4	Concurrent servicing supervisor							-			
A5.8.4	Prepare aircraft for fuel cell maintenance TR: TOs 1-1-3 and 1C-10(K)A-2-28							-			
A5.8.5	Inspect fuel system TR: TO 1C-10(K)A-2-28							-			
A5.8.6.	In-Flight Refueling (IFR) system TR: TOs 1C-10(K)A-2-28 and 1C- 10(K)A-2-28CL-1							-			
A5.8.6.1.	Receiver system							-			
A5.8.6.1.1	Inspect							-			
A5.8.6.1.2	Operate	5						-			
A5.8.6.2.	Aerial refueling boom system							-			
A5.8.6.2.1	Inspect boom assembly							-			
A5.8.6.2.2	Operate status test panel							-			

## KC-10 QUALITATIVE REQUIREMENTS

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

A5.8.6.2.3	Raise/lower boom	5						-			
A5.8.6.2.4	Extend/retract boom	5						-			
A5.8.6.2.5	Deploy/re-deploy boom							-			
A5.8.6.2.6	Inspect/operate boom dolly							-			
A5.8.6.2.7.	Service boom components							-			
A5.8.6.2.7.1	Boom shock absorber							-			
A5.8.6.2.7.2	Boom surge boot							-			
A5.8.6.2.7.3	Boom independent disconnect							-			
A5.8.6.3.	Drogue system							-			
A5.8.6.3.1	Extend/retract center drogue							-			
A5.8.6.3.2	Inspect center drogue							-			
A5.8.6.3.3.	Inspect Wing Aerial Refueling Pod (WARP) system							-			
A5.8.6.3.3.1	Preflight							-			
A5.8.6.3.3.2	Thruflight							-			
A5.8.6.3.3.3	Basic post-flight							-			
<b>A5.9.</b>	<b>ELECTRICAL SYSTEMS TR: TOs 1C-10(K)A-2-24 and 1C-10(K)A-2-33</b>							-			
A5.9.1	Components and system operation							-			
A5.9.2	Troubleshoot							-			
A5.9.3.	Perform operational checks with external power unit/APU							-			
A5.9.3.1	Electrical power supply system							-			
A5.9.3.2	Lighting system							-			
A5.9.3.3	Indicator warning lights							-			
A5.9.4.	Remove/install							-			
A5.9.4.1	Light lenses							-			
A5.9.4.2	Light bulbs							-			
A5.9.4.3	Batteries	5						-			
A5.9.5	Inspect wiring and connectors TR: 1C-10(K)A-2-33							-			
A5.9.6	Connect/apply/disconnect external electrical power	5						-			
<b>A5.10.</b>	<b>EGRESS SYSTEM TR: TO 1C-10(K)A-2-25</b>							-			
A5.10.1	Components and system operation							-			
A5.10.2	Inspect TR: TO 1C-10(K)A-6							-			
A5.10.3	Operate system (excluding slide)							-			
<b>A5.11.</b>	<b>CREW/PASSENGER COMFORT FACILITIES</b>							-			

## KC-10 QUALITATIVE REQUIREMENTS

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

TR: TOs 1C-10(K)A-2-25, 1C-10(K)A-2-12-1, and 1C-10(K)A-2-12-3											
A5.11.1. Galley and equipment									-		
A5.11.1.1 Remove/install components									-		
A5.11.1.2 Inspect/operationally check components									-		
A5.11.2. Lavatory and waste system									-		
A5.11.2.1 Remove/install/repair components									-		
A5.11.2.2 Inspect/operationally check components									-		
A5.11.2.3 Service lavatory system									-		
<b>A5.12. AEROSPACE GROUND EQUIPMENT</b> TR: Applicable AFI 91 series									-		
A5.12.1. Perform pre-use inspection and operate									-		
A5.12.1.1 Air conditioning units TR: TO 35E9-series as applicable									-		
A5.12.1.2 Boom type highlift TR: Operators Manuals									-		

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## KC-46 QUALITATIVE REQUIREMENTS

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

<b>A6.1. AIRCRAFT GENERAL</b>											
A6.1.1. Inspection concept and Inspections TR: TOs 00-20-1, 1KC-46-A-05, 05-00-00, 05-05-02-200-801											
A6.1.1.1 A-Check inspection								A			
A6.1.1.2 C-Check inspection								A			
A6.1.1.3 Extended Range Twin Operations (ETOPS) TR: Boeing ETOPS Guide Vol I, II, & III, and FAA Advisory Circular 120-42B											
A6.1.1.3.1 ETOPS concepts and principles	5							A			
A6.1.1.3.2 Apply ETOPS concepts	5							2b			
A6.1.2. Perform inspections											
A6.1.2.1 Preflight	5							2b			
A6.1.2.2 Thruflight	5							2b			
A6.1.2.3 Basic post-flight	5							2b			
A6.1.2.4 Preflight/post-flight	5							2b			
A6.1.2.5 Quick turn	5							2b			
A6.1.2.6 Pre-Launch Inspection (PLI)	5							2b			
A6.1.2.7. 1A/2A/3A Check inspections											
A6.1.2.7.1 Inspect/lubricate fuselage major zones 100, 200, 300								-			
A6.1.2.7.2 Inspect/lubricate engine major zones 400								-			
A6.1.2.7.3 Inspect/lubricate lt/rt wing major zones 500, 600								-			
A6.1.2.7.4 Inspect/lubricate landing gear and doors 700, 800								-			
A6.1.2.7.5 Inspect/lubricate aerial refueling boom								-			
A6.1.2.8 Calendar								-			
A6.1.2.9 Special inspections								-			
A6.1.2.10 Exterior panel/secondary structure inspection								-			
A6.1.2.11 Alert inspection 1								-			
A6.1.2.12 Alert inspection 2								-			
A6.1.2.13 Cold weather procedures	5							A			
A6.1.3. Air Transport Association (ATA) Technical Orders (TOs) TR: Applicable 1KC-46 TOs											
A6.1.3.1 ATA TO systems								-			
A6.1.3.2 Use ATA TOs								3c			
A6.1.3.3 Service bulletins and air worthiness directives								-			

## KC-46 QUALITATIVE REQUIREMENTS

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

A6.1.3.4	Use Interactive Electronic Technical Manuals (IETM)							3c			
A6.1.4.	Maintenance Data Documentation (MDD) TR: AFI 21-101, TO 00-20-1, 00-20-2, applicable KC-46 Work Unit Code Manuals										
A6.1.4.1	Document AFTO Form 781H	5						3c			
A6.1.4.2	Document AFTO Form 781A	5						3c			
A6.1.4.3	Document AFTO Form 781J	5						3c			
A6.1.4.4	Document AFTO Form 781K	5						3c			
A6.1.4.5	Document AFTO Form 781F	5						3c			
A6.1.4.6	Use applicable Management Information System (MIS)	5						a			
A6.1.4.7.	Aircraft maintenance data system										
A6.1.4.7.1	Locate data page/Line Replaceable Unit (LRU) system data page	5						2b			
A6.1.4.7.2	Locate alert message	5						2b			
A6.1.4.7.3	Locate status page/messages	5						2b			
A6.1.4.7.4	View/erase latched status page	5						2b			
A6.1.4.7.5	Locate system synoptic page	5						2b			
A6.1.4.7.6	View/erase maintenance data record	7	7					-			
A6.1.4.7.7	Build/print maintenance data record							-			
A6.1.5.	Aircraft communications equipment TR: TOs 23-10-00, 23-51-00										
A6.1.5.1	Operate radio	5						2b			
A6.1.5.2	Use crew/public address (interphone)	5						3c			
A6.1.5.3	Operationally test communications system							-			
A6.1.5.4	Operationally test ground crew call system							-			
A6.1.6.	Aircraft self-defense systems Large Aircraft Infrared Countermeasures (LAIRCM) TR: KC-46 TOs										
A6.1.6.1	System operation							A			
A6.1.6.2	Inspect							-			
A6.1.6.3	Deactivate/safe system operation	5						a			
A6.1.6.4	Clean lenses/sensors	5						a			
A6.1.7.	Perform ground handling TR: TOs 09-11-00, 07-11-00, 07-11-03-582-001, 07-11-01-842-033, 07-11-03-582-015, 10-11-00										
A6.1.7.1	Launch aircraft	5						2b			
A6.1.7.2	Recover aircraft	5						2b			

## KC-46 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
			A	B	C	D	E	A	B	C	D
	Core/Cert ^	Deployment 5 / SEI +	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3- lVl	5- lVl	7- lVl	9- lVl
A6.1.7.3. Tow aircraft											
A6.1.7.3.1 Wing walker	5							2b			
A6.1.7.3.2 Tail walker	5							2b			
A6.1.7.3.3 Brake operator	5							2b			
A6.1.7.3.4 Tow team supervisor	7	7						-			
A6.1.7.3.5 Tow vehicle operator								-			
A6.1.7.4. Jack and level aircraft											
A6.1.7.4.1 Jacking team member	5							2b			
A6.1.7.4.2 Jacking supervisor								-			
A6.1.7.4.3 Axle jacking	5							2b			
A6.1.7.4.4 Leveling scale (plumb bob) operator								-			
A6.1.7.4.5 Fuselage jacking								-			
A6.1.7.4.6 Prepare aircraft for jacking								-			
A6.1.7.5 Compute center of gravity TR: KC-46 TOs								A			
A6.1.7.6. Install/remove ground safety devices TR: KC-46 TOs											
A6.1.7.6.1 Landing gear	5							3c			
A6.1.7.6.2 Landing gear doors	5							3c			
A6.1.7.6.3 Ground aircraft	5							3c			
A6.1.7.6.4 Disarm off wing escape system	7	7						a			
A6.1.7.7. Aircraft configuration TR: TO 25-00-00, 25-09-00-860-801, 25-09-00-860-808, 25-24-18-000-802, 25-09-00-860-802, 25-09-00-860-809											
A6.1.7.7.1 Freighter configuration								A			
A6.1.7.7.2 Combine configuration								A			
A6.1.7.7.3 Passenger configuration								A			
A6.1.7.8. Remove/install											
A6.1.7.8.1 Cargo rollers								-			
A6.1.7.8.2 Cargo rails								-			
A6.1.7.8.3 Restraint locks								-			
A6.1.7.8.4 Movable smoke barrier	5							b			
A6.1.7.8.5 9G cargo barrier net								b			
A6.1.7.8.6 Air Transportable Galley/Lavatory (ATGL)								-			
A6.1.7.8.7 Litter Station Augmentation Set (LSAS)								-			
A6.1.7.8.8 Integral Aeromedical Equipment (AE)								-			
A6.1.7.8.9 Stationary smoke barrier								b			

## KC-46 QUALITATIVE REQUIREMENTS

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

A6.1.7.9	Aircraft parking/mooring	5						2b			
A6.1.8.	Team tasks										
A6.1.8.1	Preparation/safe for maintenance	5						3c			
A6.1.8.2	Foreign Object Damage (FOD) Prevention							-			
A6.1.8.3	Dropped object prevention program							-			
A6.1.8.4	Team communications							B			
<b>A6.2.</b>	<b>AIRFRAME</b> <b>TR: TOs 1-1A-8, 12-00-00, 25-00-00 32-00-00, 52-00-00, 52-49-00, 53-00-00, 56-00-00, 71-00-00, 78-00-00</b>										
A6.2.1	Components and structure	5						A			
A6.2.2	Over wing exit hatch	7	7					A			
A6.2.3	Centerline drogue access door	5						A			
A6.2.4.	Operate										
A6.2.4.1	Forward entry/service doors	5						3c			
A6.2.4.2	Aft entry/service doors	5						3c			
A6.2.4.3	Main Deck Cargo Door (MDCD)	5						3c			
A6.2.4.4	Lower compartment doors	5						3c			
A6.2.4.5	Aircrew entry door	5						3c			
A6.2.4.6	Auxiliary Power Unit (APU) clam shell door	5						3c			
A6.2.4.7	Main Landing Gear (MLG) door	5						3c			
A6.2.4.8	Nose Landing Gear (NLG) door	5						3c			
A6.2.5.	Remove/install										
A6.2.5.1	Panels							-			
A6.2.5.2	Captain/first officer seats							-			
A6.2.5.3	First/second observer seats							-			
A6.2.5.4	Air refueling operator, instructor, and observer seats							-			
A6.2.5.5	Air Crew Mission Compartment (ACMC) crew seats							-			
A6.2.5.6	Crew bunks							-			
A6.2.5.7	Windows							-			
A6.2.5.8	Life rafts/slides							-			
A6.2.6.	Open/close										
A6.2.6.1	Radome							-			
A6.2.6.2	Fan duct cowl (PW-4000)	5						b			
A6.2.6.3	Fan cowl (PW-4000)	5						b			
A6.2.6.4	Core cowl (PW-4000)	5						b			

## KC-46 QUALITATIVE REQUIREMENTS

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

A6.2.6.5	Auxiliary Power Unit (APU) service doors	5						2b			
<b>A6.3.</b>	<b>LANDING GEAR SYSTEMS</b> <b>TR: TOs 12-00-00, 32-00-00</b>										
A6.3.1	Components and system operation							A			
A6.3.2	Troubleshoot							-			
A6.3.3.	Perform operational check										
A6.3.3.1	Landing gear							-			
A6.3.3.2	Brakes	5						2b			
A6.3.3.3	Steering system							-			
A6.3.3.4	Anti-skid	5						2b			
A6.3.4	Raise/lower landing gear							-			
A6.3.5	Dummy retract							-			
A6.3.6.	Service										
A6.3.6.1	Main Landing Gear (MLG) strut	5						2b			
A6.3.6.2	Nose Landing Gear (NLG) strut	5						2b			
A6.3.6.3	Check and adjust MLG A dimension	5						2b			
A6.3.6.4	Check and adjust NLG A dimension	5						2b			
A6.3.6.5	Tires	5						2b			
A6.3.7	Lubricate landing gear components							-			
A6.3.8.	Remove/install										
A6.3.8.1	MLG wheel and tire assembly	5						2b			
A6.3.8.2	NLG wheel and tire assembly	5						2b			
A6.3.8.3	Brake assembly	5						2b			
A6.3.8.4	Bleed brake system	5						2b			
A6.3.8.5	Landing gear door locks	5						3c			
A6.3.8.6	MLG assembly							-			
A6.3.8.7	NLG assembly							-			
A6.3.8.8	Rig landing gear system							-			
A6.3.9	Determine serviceability of tires TR: TO 4T-1-3, Applicable KC-46 TOs	5						3c			
<b>A6.4.</b>	<b>UTILITY SYSTEMS</b> <b>TR: TO 12-00-00, 21-00-00, 26-00-00, 30-00-00, 35-00-00, 36-00-00, 47-00-00, 12-15-08-613-110</b>										
A6.4.1	Components and system operation							A			
A6.4.2	Troubleshoot							-			
A6.4.3.	Perform operational check										
A6.4.3.1	Bleed air system							-			

## KC-46 QUALITATIVE REQUIREMENTS

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

A6.4.3.2	Air conditioning system							-			
A6.4.3.3	Pressurization system							-			
A6.4.3.4	Anti-ice/de-ice system							-			
A6.4.3.5	Fire warning system	5						2b			
A6.4.3.6	Fire extinguishing system	5						2b			
A6.4.3.7	Oxygen system							-			
A6.4.3.8	Smoke detection system							-			
A6.4.3.9	On-board Inert Gas Generating System (OBIGGS)							-			
A6.4.3.10	Windshield wiper system							-			
A6.4.4.	Inspect										
A6.4.4.1	Bleed air system							-			
A6.4.4.2	Air conditioning system							-			
A6.4.4.3	Pressurization system							-			
A6.4.4.4	Anti-ice/de-ice system							-			
A6.4.4.5	Fire warning system							-			
A6.4.4.6	Fire extinguishing system							-			
A6.4.4.7	Oxygen system							-			
A6.4.4.8	Smoke detection system							-			
A6.4.4.9	On Board Gas Generating System (OBIGGS)							-			
A6.4.4.10	Windshield wiper system							-			
A6.4.5.	Service										
A6.4.5.1	Oxygen system (gaseous) - external	5						2b			
A6.4.5.2	Air Drive Unit (ADU)							-			
<b>A6.5.</b>	<b>FLIGHT CONTROL SYSTEM TR: TOs 27-00-00</b>										
A6.5.1	Components and system operation	5						A			
A6.5.2	Operate flight controls	5						2b			
A6.5.3	Troubleshoot							-			
A6.5.4.	Remove/install										
A6.5.4.1	Aileron system components							-			
A6.5.4.2	Rudder system components							-			
A6.5.4.3	Elevator system components							-			
A6.5.4.4	Spoiler system components							-			
A6.5.4.5	Flap system components							-			
A6.5.4.6	Slat system components							-			
A6.5.5	Lubricate flight controls							-			

## KC-46 QUALITATIVE REQUIREMENTS

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

A6.5.6.	Rig flight controls										
A6.5.6.1	Aileron system							-			
A6.5.6.2	Rudder system							-			
A6.5.6.3	Elevator system							-			
A6.5.6.4	Spoiler system							-			
A6.5.6.5	Flap system							-			
A6.5.6.6	Slat system							-			
A6.5.7.	Service										
A6.5.7.1	Stab-trim actuator oil							-			
A6.5.7.2	Trailing edge flap drive unit oil							-			
<b>A6.6.</b>	<b>HYDRAULIC SYSTEMS</b> <b>TR: TOs 12-00-00, 29-00-00, 12-12-01-613-060, 12-15-04-613-001</b>										
A6.6.1	Components and system operation							A			
A6.6.2	Troubleshoot							-			
A6.6.3	Air Driven Pump (ADP)							A			
A6.6.4	Ram air turbine							A			
A6.6.5.	Service										
A6.6.5.1.	Reservoir										
A6.6.5.1.1	Manual procedure	5						2b			
A6.6.5.1.2	Pressure procedure	5						2b			
A6.6.5.2	Accumulator							2b			
A6.6.5.3	Air Driven Pump (ADP)							-			
A6.6.5.4	Parking brake accumulator	5						2b			
A6.6.6.	Operate										
A6.6.6.1	Engine driven pump							-			
A6.6.6.2	Pressurize with Alternating Current Motor Pump (ACMP)	5						3c			
A6.6.7.	Remove/install										
A6.6.7.1	Accumulator							-			
<b>A6.7.</b>	<b>ENGINES AND APU</b> <b>TR: TOs 12-00-00, 12-13-01-613-001-003, 12-13-002-603-019-003, 12-13-03-613-005-001, 12-13-04-613-031-001, 28-00-00, 49-00-00, 71-00-00, 79-00-00; AFI 21-101</b>										
A6.7.1	Components and system operation							A			
A6.7.2	Troubleshoot							-			
A6.7.3	Oil consumption rates	5						A			
A6.7.4.	Perform										

## KC-46 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3- lVl	5- lVl	7- lVl	9- lVl
A6.7.4.1	Engine operational check							-			
A6.7.4.2	Alternate engine start							-			
A6.7.4.3	Engine motor dry							-			
A6.7.4.4	Engine motor wet							-			
A6.7.4.5	Engine starter valve							-			
A6.7.5.	Operate										
A6.7.5.1	Engine							-			
A6.7.5.2	APU	5						2b			
A6.7.6.	Service										
A6.7.6.1	Engine oil system	5						2b			
A6.7.6.2	Engine starter							b			
A6.7.6.3	Integrated drive generator	5						2b			
A6.7.6.4	APU oil system							-			
A6.7.6.5	APU gearbox	5						2b			
A6.7.6.6	APU oil level inspection	5						2b			
A6.7.7.	Remove/install										
A6.7.7.1	Engine starter							-			
A6.7.7.2	Minor components							-			
A6.7.7.3	APU starter							-			
A6.7.7.4	Engine fan cowling							-			
A6.7.7.5	Engine core cowling							-			
A6.7.7.6	Engine fan duct cowling							-			
A6.7.8.	Inspect engine										
A6.7.8.1	Exhaust	5						2b			
A6.7.8.2	Inlet	5						2b			
A6.7.8.3	Magnetic chip detectors							-			
A6.7.9.	Inspect APU										
A6.7.9.1	Exhaust	5						2b			
A6.7.9.2	Inlet	5						2b			
A6.8.	<b>AIRCRAFT FUEL SYSTEMS</b> TR: TR: TO 12-00-00, 12-11-01-653-406, 12-11-03-680-801, 28-26-00-652-040, 28-00-00, 28-26-00-652-040, 28-26-00-652-098										
A6.8.1	Components and system operation							A			
A6.8.2	Troubleshoot							-			
A6.8.3.	Perform fuel servicing operations										
A6.8.3.1	Tank-to-tank transfer	5						2b			

## KC-46 QUALITATIVE REQUIREMENTS

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

A6.8.3.2.	Refuel aircraft										
A6.8.3.2.1	Panel operator/supervisor	5							2b		
A6.8.3.2.2	Electric power	5							2b		
A6.8.3.2.3	Fuel sump draining/servicing	5							2b		
A6.8.3.3.	Defuel aircraft										
A6.8.3.3.1	Member	5							2b		
A6.8.3.3.2	Panel operator/supervisor	5							2b		
A6.8.3.3.3	Pressurized defueling	5							2b		
A6.8.3.4	Concurrent servicing supervisor	7	7						-		
A6.8.3.5.	Prepare aircraft for fuel cell maintenance										
A6.8.3.5.1	Drain tanks								-		
A6.8.3.5.2	Inspect fuel system								-		
A6.8.4	Remove/install body fuel tanks								-		
A6.8.5.	Air Refueling Operator Station (AROS)										
A6.8.5.1	Perform camera operational check								-		
A6.8.5.2	Perform AROS Digital Built-In Test (DBIT)								-		
A6.8.5.3	Perform AROS Initiated Built-In Test (IBIT)								-		
A6.8.6.	In-Flight Refueling (IFR) system										
A6.8.6.1	IFR receptacle	5							B		
A6.8.6.2	Slip way doors	5							B		
A6.8.6.3.	Aerial refueling boom system										
A6.8.6.3.1	Inspect	5							2b		
A6.8.6.3.2	Operate AROS controls	5							2b		
A6.8.6.3.3	Raise/lower	5							2b		
A6.8.6.3.4	Extend/retract	5							2b		
A6.8.6.3.5	Install/remove boom safety cable	5							2b		
A6.8.6.3.6	Use/operate boom dolly	5							2b		
A6.8.6.3.7	Drain								-		
A6.8.6.3.8.	Service										
A6.8.6.3.8.1	Boom shock absorber	5							2b		
A6.8.6.3.8.2	Boom surge boot	5							2b		
A6.8.6.4.	Centerline Drogue System (CDS)										
A6.8.6.4.1	Trail/rewind CDS hose								-		
A6.8.6.4.2	Inspect CDS assembly								-		

## KC-46 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3- lVl	5- lVl	7- lVl	9- lVl
A6.8.6.4.3 Perform CDS Maintenance Built-In-Test (MBIT)								2b			
A6.8.6.4.4 Remove/install											
A6.8.6.4.4.1 Hose reel								-			
A6.8.6.4.4.2 Hose assembly								-			
A6.8.6.5. Wing Aerial Refueling Pod (WARP) system											
A6.8.6.5.1 Trail/rewind hose								-			
A6.8.6.5.2 Inspect								-			
A6.8.6.5.3 Perform MBIT								2b			
A6.8.6.5.4 Drain								-			
A6.8.6.5.5. Remove/install											
A6.8.6.5.5.1 Pod/pylon								-			
A6.8.6.5.5.2 Hose assembly								-			
A6.8.6.5.6 Open/close gullwing doors								-			
A6.8.6.5.7 Preflight								-			
A6.8.6.5.8 Thruflight								-			
<b>A6.9. ELECTRICAL SYSTEMS</b> TR: TR: TO 20-00-00, 24-00-00, 33-00-00, 24-31-01-004-001-001, 24-31-01-404-005-001, 24-31-04-004-001-001, 24-31-04-404-004-001											
A6.9.1 Components and system operation								A			
A6.9.2 Troubleshoot								-			
A6.9.3. Operational checks with external power unit/APU											
A6.9.3.1 Electrical power supply system								-			
A6.9.3.2 Wing Position Lighting system	5							2b			
A6.9.3.3 Covert lighting system	5							2b			
A6.9.3.4 Indicator warning lights	5							2b			
A6.9.3.5 Wing illumination lights	5							2b			
A6.9.3.6 Master dim								-			
A6.9.4. Remove/install											
A6.9.4.1 Light lenses	5							b			
A6.9.4.2 Light bulbs	5							b			
A6.9.4.3 Aircraft batteries								b			
A6.9.4.4 Center reference light assembly								-			
A6.9.5 Inspect wiring and connectors								-			
A6.9.6 Connect/apply/disconnect external electrical power								3c			

## KC-46 QUALITATIVE REQUIREMENTS

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

<b>A6.10.</b>	<b>EGRESS SYSTEM</b> <b>TR: KC-46 TOs</b>										
A6.10.1	Components and system operation							A			
A6.10.2.	Inspect										
A6.10.2.1	Emergency escape ropes	5						2b			
A6.10.2.2	Emergency Descent Devices (EDD)							-			
A6.10.2.3	Safety harness							-			
A6.10.2.4	Off-wing slide	5						2b			
A6.10.2.5	Door slide	5						2b			
<b>A6.11.</b>	<b>CREW/PASSENGER COMFORT FACILITIES</b> <b>TR: TO 12-00-00, 38-00-00</b>										
A6.11.1.	Galley and equipment										
A6.11.1.1	Remove/install components							-			
A6.11.1.2	Inspect/operationally check components							-			
A6.11.2.	Lavatory and waste system										
A6.11.2.1	Remove/install/repair components							-			
A6.11.2.2	Inspect/operationally check components							-			
A6.11.2.3	Service	5						a			
A6.11.2.4	Operations test interior control panel	5						-			
A6.11.3.	Potable water system										
A6.11.3.1	Remove/install components							-			
A6.11.3.2	Inspect/operationally check components							-			
A6.11.3.3	Service	5						a			
A6.11.3.4	Drain and clean system	5						a			
<b>A6.12.</b>	<b>AEROSPACE GROUND EQUIPMENT</b> <b>TR: Applicable AFI 91 series</b>										
A6.12.1	Purpose and description							A			
A6.12.2	TMD-250 gas turbine compressor TR: TMD-250 user's manual							A			
A6.12.3.	Perform pre-use inspection and operate										
A6.12.3.1	Hydraulic test stand (as applicable) TR: TO 33A2 series as applicable	5						2b			
A6.12.3.2	Air conditioning units TR: TLD-808 user manual, TO 35E9 series as applicable	5						2b			
A6.12.3.3	Oil servicing carts (as applicable) TR: TO 35A17 series as applicable	5						2b			
A6.12.3.4	Hydraulic servicing carts (as applicable) TR: TO 35A29 series as applicable	5						2b			

## KC-46 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3- lVl	5- lVl	7- lVl	9- lVl
A6.12.3.5 A/M32A-95 gas turbine compressor TR: TO 35D12-series as applicable								-			
A6.12.3.6 A/M32A-86 diesel generator								2b			
A6.12.3.7 OM-2240 diesel generator TR: OM-2240 user's manual	5							3c			
A6.12.3.8 Type I maintenance stand, staircase, low reach (B-1) TR: TO 35A4-2-73-1								3c			
A6.12.3.9 Type I maintenance stand, scissor lift, low reach (B-4) TR: TO 35D5-3-18-1								3c			
A6.12.3.10 Type II maintenance stand, scissor lift, medium reach (B-5) TR: TO 35D5-5-18-11								3c			
A6.12.3.11 Type II maintenance stand, staircase, medium reach (B-7) TR: TO 35A4-2-73-11								3c			
A6.12.3.12 Type III maintenance stand, staircase, high reach (B-2) TR: TO 35A4-2-73-21								3c			

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## B-52 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3- lVl	5- lVl	7- lVl	9- lVl
<b>A7.1. AIRCRAFT GENERAL</b>											
A7.1.1. Phased inspection concept and inspections TR: 00-20-1, 1B-52H-6, and 1B-52H-6WC series TOs											
A7.1.1.1 Phase inspection concept								A			
A7.1.1.2. Perform inspections TR: 1B-52H-6WC series TOs											
A7.1.1.2.1 Preflight	5							1b			
A7.1.1.2.2 Basic post-flight	5							1b			
A7.1.1.2.3 Thruflight	5							1b			
A7.1.1.2.4 Quick turn	5							b			
A7.1.1.2.5 Hourly post-flight								b			
A7.1.1.2.6 Phase											
A7.1.1.2.6.1 Area 1											
A7.1.1.2.6.1.1 Inspection								-			
A7.1.1.2.6.1.2 Lubrication								-			
A7.1.1.2.6.2 Area 2											
A7.1.1.2.6.2.1 Inspection								-			
A7.1.1.2.6.2.2 Lubrication								-			
A7.1.1.2.6.3 Area 3											
A7.1.1.2.6.3.1 Inspection								-			
A7.1.1.2.6.3.2 Lubrication								-			
A7.1.1.2.6.4 Area 4											
A7.1.1.2.6.4.1 Inspection								-			
A7.1.1.2.6.4.2 Lubrication								-			
A7.1.1.2.7 Acceptance								-			
A7.1.1.2.8 Calendar								-			
A7.1.1.2.9 Special								-			
A7.1.1.2.10 Alert inspection								-			
A7.1.2 Use aircraft TOs	5							2b			
A7.1.3. Maintenance Data Documentation (MDD) TR: AFI 21-101, TO 00-20-1, 00-20-2 and 1B-52H-06 series TOs											
A7.1.3.1 Document AFTO Form 781H	5							2b			
A7.1.3.2 Document AFTO Form 781A	5							2b			
A7.1.3.3 Document AFTO Form 781J	5							2b			
A7.1.3.4 Document AFTO Form 781K	5							2b			
A7.1.3.5 Document DD Form 2026	5							2b			

## B-52 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3- lVl	5- lVl	7- lVl	9- lVl
A7.1.4. Aircraft communications equipment TR: 1B-52H-2-24 series TOs											
A7.1.4.1 Operate radio								-			
A7.1.4.2 Use interphone	5							2b			
A7.1.5. Perform ground handling TR: TO 00-25-172, AFMAN 11-218, applicable AFI 91 series, and 1B-52H-2-2 series TOs											
A7.1.5.1 Aircraft safe for maintenance	5							2b			
A7.1.5.2 Launch aircraft	5							A			
A7.1.5.3 Recover aircraft	5							a			
A7.1.5.4. Tow aircraft TR: TO 1B-52H-2-2JG-2											
A7.1.5.4.1 Wing walker	5							a			
A7.1.5.4.2 Tail walker	5							a			
A7.1.5.4.3 Tow team member	5							a			
A7.1.5.4.4 Brake operator	5							a			
A7.1.5.4.5 Tow team supervisor	7							-			
A7.1.5.4.6 Tow vehicle operator								-			
A7.1.5.4.7 Connect/disconnect tow bar	5							2b			
A7.1.5.5. Jack aircraft/tripod jack TR: TOs 1B-52H-2-2JG-41 and B-52H-2-2JG-5											
A7.1.5.5.1 Jacking								a			
A7.1.5.5.2 Jacking team member	5							-			
A7.1.5.5.3 Jacking supervisor								-			
A7.1.5.5.4 Landing gear retraction position A (ground)								-			
A7.1.5.5.5 Landing gear retraction position B (cockpit)								-			
A7.1.5.5.6 Jack aircraft wing tip								-			
A7.1.5.5.7 Axle jacking	5							2b			
A7.1.6 Perform weight and balance functions TR: TO 1B-52H-5								a			
A7.1.7 Load/secure 47 section TR: Applicable -2 TOs								a			
A7.1.8 Compute aircraft center of gravity using load adjuster	5							a			
A7.1.9. Perform aircraft wash TR: TOs 1B-52H-6WC-5 and 1B-52H-2-2JG-16											
A7.1.9.1 Wash supervisor	7							-			
A7.1.9.2 Wash operation	5							-			
A7.1.9.3 Lubricate aircraft	5							-			
<b>A7.2. AIRFRAME</b> <b>TR: 1B-52H-3 and 1B-52H-2-2 series TOs</b>											

## B-52 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3- lvl	5- lvl	7- lvl	9- lvl
A7.2.1 Components and structure								A			
A7.2.2 Identify body stations, water lines and wing stations								A			
A7.2.3. Operate TR: TOs 1B-52H-2-2JG-6, 1B-52H-2-2JG-7, and 1B-52H-2-36JG-6											
A7.2.3.1 Entry door/hatch	5							2b			
A7.2.3.2 Bomb bay doors								-			
A7.2.3.3 Emergency doors/hatches	5							1b			
A7.2.4. Remove/install TR: TO 1B-52H-2-2GA-1 and 1B-52H-2-2JG series TOs											
A7.2.4.1 Panels								2b			
A7.2.4.2 Non-explosive seats								-			
A7.2.4.3 Radomes								-			
A7.2.4.4 Vortex generators								-			
A7.2.4.5 Wing tip								-			
A7.2.4.6 Thermal curtains								-			
A7.2.4.7 Vertical fin								-			
A7.2.4.8 Fold/erect vertical fin								-			
A7.2.4.9. Afterbody cowling TR: TO 1B-52H-2-2JG-6											
A7.2.4.9.1 Cowling	5							2b			
A7.2.4.9.2 Latches	5							-			
A7.2.4.10. Wrap cowling TR: TO 1B-52H-2-2JG-6											
A7.2.4.10.1 Cowling	5							2b			
A7.2.4.10.2 Latches	5							-			
A7.2.4.11. Nose cowling TR: TO 1B-52H-2-2JG-6											
A7.2.4.11.1 Cowl assembly								-			
A7.2.4.11.2 Auxiliary inlet screens	5							-			
A7.2.4.11.3 Auxiliary inlet doors	5							-			
A7.2.4.12. Windows TR: TOs 1B-52H-2-2GA-1 and 1B-52H-2-2JG-10											
A7.2.4.12.1 Fuselage windows								-			
A7.2.4.12.2 Sliding windows								-			
A7.2.4.12.3 Hatch windows								-			
A7.2.5. Main entrance hatch TR: TO 1B-52H-2-2JG-6											
A7.2.5.1 Remove/install hatch assembly	5							-			
A7.2.5.2 Remove/install/adjust components								-			
A7.2.5.3 Perform main entry hatch checkout	5							-			

## B-52 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3- lVl	5- lVl	7- lVl	9- lVl
A7.2.6 Determine serviceability of aircraft windows TR: TO 1B-52H-2-2GA-1	5							a			
A7.2.7 Inspect/repair/clean thermal curtains TR: TO 1B-52H-2-2GA-1								-			
A7.2.8. Open/close TR: TOs 1B-52H-2-2JG-6 and 1B-52H-2-2JG-13											
A7.2.8.1 Afterbody cowling	5							-			
A7.2.8.2 Radomes								-			
A7.2.9 Perform secondary structure inspection TR: TO 1B-52H-3	7							-			
A7.2.10. Bomb door system TR: 1B-52H-2-2, 1B-52H-2-6, 1B-52H-2-7, and 1B-52H-2-31 series TOs											
A7.2.10.1 Bomb door components and system operation								A			
A7.2.10.2 Remove/install latch components								-			
A7.2.10.3 Remove/install radius rods								-			
A7.2.10.4 Rig/adjust system components								-			
A7.2.10.5 Perform system checkout with standby pumps								-			
A7.2.10.6 Perform system checkout with engine pumps								-			
A7.2.10.7 Remove/install door support struts TR: TO 1B-52H-2-2JG-1	5							2b			
A7.2.10.8 Remove/install bomb doors TR: TO 1B-52H-2-6JG-8								-			
<b>A7.3. LANDING GEAR SYSTEMS</b> <b>TR: TO 1B-52H-2-10GA-1 and 1B-52H-2-10JG series TOs</b>											
A7.3.1 Components and system operation								A			
A7.3.2. Operate TR: 1B-52H-2-10JG series TOs											
A7.3.2.1 Landing gear								-			
A7.3.2.2 Brakes	5							2b			
A7.3.2.3 Steering system								-			
A7.3.3 Perform system operational check								-			
A7.3.4. Remove/install TR: 1B-52H-2-10JG series TOs											
A7.3.4.1 Main Landing Gear (MLG) wheel and tire assemblies	5							2b			
A7.3.4.2 Tip Protection Gear (TPG) wheel and tire assemblies								-			
A7.3.4.3 Brake assemblies	7							-			
A7.3.4.4 MLG strut assembly								-			
A7.3.4.5 TPG strut assembly								-			
A7.3.4.6 MLG doors								-			

## B-52 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3- lVl	5- lVl	7- lVl	9- lVl
A7.3.4.7 TPG doors								-			
A7.3.5 Bleed brake system	7							-			
A7.3.6. Adjust TR: 1B-52H-2-10JG series TOs											
A7.3.6.1 MLG doors								-			
A7.3.6.2 TPG uplock roller								-			
A7.3.7 Install jumper wire on K622 squat switch								-			
A7.3.8 Determine serviceability of aircraft tires TR: TO 4T-1-3	5							2b			
A7.3.9. Service landing gear components TR: TO 1B-52H-2-2JG-3											
A7.3.9.1 Fill/drain MLG strut	5							-			
A7.3.9.2 Fill/drain TPG strut								-			
A7.3.9.3 Inflate/deflate MLG strut	5							2b			
A7.3.9.4 Perform MLG air-to-oil ratio check	5							a			
A7.3.9.5 Inflate/deflate TPG strut (Load/No load condition)	5							-			
A7.3.9.6 Inflate/deflate MLG tires	5							2b			
A7.3.9.7 Inflate/deflate TPG tires	5							-			
A7.3.9.8 MLG hydraulic bungee								-			
A7.3.10. Steering system TR: TOs 1B-52H-2-10JG-8, 1B-52H-2-10JG-9, and 1B-52H-2-10JG-11											
A7.3.10.1 Rig steering/crosswind crab system								-			
A7.3.10.2 MLG scribe line marking								-			
A7.3.10.3 Perform steering/crosswind crab system operational check								-			
A7.3.10.4 Rig brake control system								-			
A7.3.11. Wheel and tire maintenance TR: TOs 4T-1-3 and 4W-1-61											
A7.3.11.1 Determine disposition of aircraft tires								-			
A7.3.11.2 Clean and inspect aircraft wheels								-			
A7.3.11.3 Clean, inspect, and repack aircraft wheel bearings and races								-			
A7.3.11.4 Inspect wheel/tire assembly after buildup								-			
A7.3.11.5 Assemble/disassemble tip wheels								-			
A7.3.11.6 Assemble/disassemble main wheels								-			
A7.3.11.7 Inspect/use tire bead breaker								-			
A7.3.11.8 Inspect/use degreaser								-			
A7.3.11.9 Inspect/use tire safety cage								-			
A7.3.11.10 Inspect/use bearing cup puller								-			
A7.3.11.11 Inspect/use bead blaster								-			

## B-52 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3- lVl	5- lVl	7- lVl	9- lVl
A7.3.11.12 Inspect/use jet washer								-			
A7.3.11.13 Inspect/use grinder								-			
<b>A7.4. UTILITY SYSTEMS TR: 1B-52H-2 series TOs</b>											
A7.4.1 Components and system operation								A			
A7.4.2. Oxygen System TR: TOs 00-25-172, 15X-1-1 and 1B-52H-2-2JG-3											
A7.4.2.1 Service	5							1b			
A7.4.2.2 Drain								-			
A7.4.3. Windshield wiper system TR: TO 1B-52H-2-2JG-11											
A7.4.3.1 Remove/install wiper blade								-			
A7.4.3.2 Remove/install wiper motor								-			
A7.4.3.3 Remove/install wiper converter								-			
A7.4.3.4 Perform operational checkout								-			
A7.4.4 Drain Environmental Control System (ECS) heat exchanger								-			
A7.4.5 Drain water separator								-			
A7.4.6 Service air cycle machine								-			
<b>A7.5. FLIGHT CONTROL SYSTEM TR: 1B-52H-2-2 and 1B-52H-2-4 series TOs</b>											
A7.5.1 Components and system operation								A			
A7.5.2. Operate											
A7.5.2.1. Primary flight controls TR: 1B-52H-2-4JG series TOs											
A7.5.2.1.1 Spoilers								2b			
A7.5.2.1.2 Elevators								-			
A7.5.2.1.3 Rudder								-			
A7.5.2.2. Secondary flight controls TR: 1B-52H-2-4JG series TOs											
A7.5.2.2.1 Flaps	5							2b			
A7.5.2.2.2 Horizontal stabilizer								-			
A7.5.2.2.3 Air brakes								2b			
A7.5.3 Remove/install flight control components								-			
A7.5.4 Rig flight controls								-			
A7.5.5 Remove/install control column components								-			
A7.5.6. Lateral control systems TR: 1B-52H-2-4JG series TOs											
A7.5.6.1 Remove/install spoiler segments								-			
A7.5.6.2 Perform spoiler pick up and lay down checkout								-			

## B-52 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3- lVl	5- lVl	7- lVl	9- lVl
A7.5.6.3	Rig lateral control/trim system							-			
A7.5.6.4	Perform lateral control/trim system checkout							-			
A7.5.6.5	Install/remove spoiler actuator locks							-			
A7.5.7.	Flap control system TR: 1B-52H-2-4JG series TOs										
A7.5.7.1	Remove/install flap segments							-			
A7.5.7.2	Remove/install flap jackscrew assembly							-			
A7.5.7.3	Remove/install flap motor/drive power unit							-			
A7.5.7.4	Remove/install flap carriage							-			
A7.5.7.5	Rig/adjust flap control system							-			
A7.5.7.6	Perform system operational checkout							-			
A7.5.7.7.	Service components TR: TOs 1B-52H-2-2JG-16										
A7.5.7.7.1	Flap drive power unit							-			
A7.5.7.7.2	Dashpot							-			
A7.5.7.7.3	Motor reduction gear box							-			
A7.5.8.	Elevator system TR: 1B-52H-2-4JG series TOs										
A7.5.8.1	Remove/install elevator							-			
A7.5.8.2	Rig elevator control system							-			
A7.5.8.3	Perform system operational checkout							-			
A7.5.9.	Stabilizer trim control system TR: 1B-52H-2-4JG series TOs										
A7.5.9.1	Remove/install trim mechanism							-			
A7.5.9.2	Rig/adjust trim system							-			
A7.5.9.3	Perform system operational checkout							-			
A7.5.9.4	Service stabilizer trim gear housing							-			
A7.5.10.	Rudder control system TR: 1B-52H-2-4JG series TOs										
A7.5.10.1	Remove/install rudder							-			
A7.5.10.2	Rig/adjust rudder control system							-			
A7.5.10.3	Rig/adjust rudder trim system							-			
A7.5.10.4	Perform system operational checkout							-			
<b>A7.6.</b>	<b>HYDRAULIC SYSTEMS</b> <b>TR: 1B-52H-2-2 and 1B-52H-2-6 series TOs</b>										
A7.6.1	Components and system operation							A			
A7.6.2.	Service TR: TO 1B-52H-2-2JG-2										
A7.6.2.1	Reservoir	5						2b			
A7.6.2.2	Accumulator	5						2b			

## B-52 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3- lvl	5- lvl	7- lvl	9- lvl
A7.6.2.3 Drain reservoir								-			
A7.6.2.4 Partial drain reservoir	5							2b			
A7.6.3. Operate											
A7.6.3.1 Engine driven pump								-			
A7.6.3.2 Electrically operated pump	5							2b			
A7.6.4 Perform leakage check								a			
<b>A7.7. ENGINES</b> TR: 1B-52H-2-7 series TOs and AFMAN 11-218											
A7.7.1 Components and system operation								A			
A7.7.2 Perform engine run TR: AFMAN 11-218 and TO 1B-52H-2-7JG-1								-			
A7.7.3. Service TR: TO 1B-52H-2-2JG-3											
A7.7.3.1 Oil system	5							b			
A7.7.3.2 Constant speed drive	5							b			
A7.7.4. Remove/install TR: 1B-52H-2-2 series TOs, TO 1B-52H-2-7GA-1, TO 33-1-37-1, and 1B-52H-2-7JG series TOs											
A7.7.4.1 Air turbine starter								-			
A7.7.4.2 Starter cartridge	5							2b			
A7.7.5 Take engine oil sample	5							-			
A7.7.6 Perform leakage check								-			
A7.7.7 Perform engine inlet and exhaust inspection	7							-			
A7.7.8 Perform cartridge starter circuit continuity checkout	7							-			
A7.7.9 Motor engines								-			
<b>A7.7.10. Throttle cables</b> TR: TOs 1B-52H-2-2JG-11 and 1B-52H-2-2JG-17											
A7.7.10.1 Remove/install								-			
A7.7.10.2 Rig throttle cables								-			
A7.7.10.3 Perform operational checkout								-			
<b>A7.7.11. Throttle brake system</b> TR: TOs 1B-52H-2-2JG-11 and 1B-52H-2-2JG-12											
A7.7.11.1 Remove/install components								-			
A7.7.11.2 Rig/adjust								-			
A7.7.11.3 Perform system checkout								-			
<b>A7.8. AIRCRAFT FUEL SYSTEMS</b> TR: TO 00-25-172, 1B-52H-2-2 series TOs, 1B-52H-2-5 series TOs, and applicable AFI 91 series											

## B-52 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3- lvl	5- lvl	7- lvl	9- lvl
A7.8.1 Components and system operation TR: TO 1B-52H-2-5GA-1								A			
A7.8.2 Refuel aircraft TR: TOs 1B-52H-2-2JG-2 and 1B-52H-2-2JG-3											
A7.8.2.1 Team member	5							a			
A7.8.2.2 Team panel operator	5							a			
A7.8.2.3 Team supervisor	7							-			
A7.8.2.4 Filler neck refuel								-			
A7.8.3 Defuel aircraft TR: TOs 1B-52H-2-2JG2, 1B-52H-2-2JG-3, and 1B-52H-2-5JG-1											
A7.8.3.1 Team member	5							a			
A7.8.3.2 Team panel operator	5							a			
A7.8.3.3 Team supervisor	7							-			
A7.8.3.4 Drain aircraft fuel tanks								-			
A7.8.3.5 Drain wing surge tanks	5							-			
A7.8.3.6 Fuel sump drain	5							a			
A7.8.4 Ground transfer fuel	5							a			
A7.8.5 Remove/install external fuel tank TR: 1B-52H-2-2JG and 1B-52H-5 series TOs								-			
A7.8.6 In-Flight Refueling (IFR) system TR: 1B-52H-2-2, 1B-52H-2-5, and 1B-52H-5 series TOs											
A7.8.6.1 Operate IFR doors	5							2b			
A7.8.6.2 Remove/install IFR doors								-			
A7.8.7 Perform fuel tank verification TR: TOs 1B-52H-2-2JG-2 and 1B-52H-5	5							-			
A7.8.8 Perform boost pump operational checkout TR: TO 1B-52H-2-5JG-3								-			
<b>A7.9. ELECTRICAL SYSTEMS TR: 1B-52H-2-12 series TOs</b>											
A7.9.1 Components and system operation								A			
A7.9.2 Operate with external electrical power unit											
A7.9.2.1 Lighting system								2b			
A7.9.2.2 Indicator warning lights								2b			
A7.9.3 Remove/install TR: 1B-52H-2-2 and 1B-52H-2-7 series TOs											
A7.9.3.1 Light lenses								-			
A7.9.3.2 Light bulbs								-			
A7.9.3.3 Light assemblies								-			
A7.9.3.4 Batteries								-			

## B-52 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3- lVl	5- lVl	7- lVl	9- lVl
A7.9.4 Connect/apply external electrical power TR: TO 1B-52H-2-2JG-1	5							2b			
A7.9.5 Disconnect external electrical power TR: TO 1B-52H-2-2JG-1	5							2b			
A7.9.6 Operate engine driven generators TR: TO 1B-52H-2-7JG-1								-			
<b>A7.10. EGRESS SYSTEM</b> <b>TR: 1B-52H-2-36 series TOs</b>											
A7.10.1 Components and system operation								A			
A7.10.2 Operate seat adjustment	5							2b			
A7.10.3 Remove/install safety pins	5							2b			
<b>A7.11. DRAG CHUTE SYSTEM</b> <b>TR: 1B-52H-2-2 series TOs</b>											
A7.11.1 Components and system operation								A			
A7.11.2 Perform operational check								-			
A7.11.3 Adjust drag chute system								-			
A7.11.4 Remove/install drag chute assembly	5							1b			
A7.11.5 Troubleshoot								-			
A7.11.6 Remove/install components								-			
A7.11.7 Remove/install door								-			
A7.11.8 Remove/install drag chute container								-			
<b>A7.12. AEROSPACE GROUND EQUIPMENT</b> <b>TR: Applicable AFI 91 series</b>											
A7.12.1. Perform pre-use inspection and operate											
A7.12.1.1 Air conditioning units TR: TO 35E9-series as applicable								-			
A7.12.1.2 A/M32A-95 gas turbine compressor TR: TO 35D12-series as applicable								2b			
A7.12.1.3 Hydraulic servicing carts TR: TO 35A29- series as applicable								2b			
A7.12.1.4 Hydraulic test stand TR: TO 33A2- series as applicable								-			

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## B-1 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3- lvl	5- lvl	7- lvl	9- lvl
<b>A8.1. AIRCRAFT GENERAL</b>								-			
A8.1.1. Periodic phased inspection concepts and inspections TR: TO 00-20-1								-			
A8.1.1.1 Periodic phased inspection concepts TR: TO 1B-1B-6								-			
A8.1.1.2. Perform inspections TR: TO 1B-1B-6WC-1								-			
A8.1.1.2.1 Preflight	5							-			
A8.1.1.2.2 Thruflight	5							-			
A8.1.1.2.3 Hourly post-flight	5							-			
A8.1.1.2.4. Periodic phased inspection TR: TO 1B-1B-6WC-2								-			
A8.1.1.2.4.1 Work area 1 inspection								-			
A8.1.1.2.4.2 Work area 1 lube								-			
A8.1.1.2.4.3 Work area 2 inspection								-			
A8.1.1.2.4.4 Work area 2 lube								-			
A8.1.1.2.4.5 Work area 3 inspection								-			
A8.1.1.2.4.6 Work area 3 lube								-			
A8.1.1.2.4.7 Work area 4 inspection								-			
A8.1.1.2.4.8 Work area 4 lube								-			
A8.1.1.2.5 Acceptance								-			
A8.1.1.2.6 Calendar								-			
A8.1.1.2.7 Special								-			
A8.1.1.2.8 Time change item								-			
A8.1.1.2.9 Secondary structure inspection TR: TOs 1B-1B-2-51JG-00-1 and 1B-1B-2-51JG-00-9	7							-			
A8.1.2. Perform aircraft wash/lube TR: TOs 1B-1B-23, 1B-1B-6WC-3, and 1B-1B-2-12JG-40-1								-			
A8.1.2.1 Wash operation supervisor	7							-			
A8.1.2.2 Team member	5							-			
A8.1.2.3 Lubricate aircraft	5							-			
A8.1.3. Organizational Maintenance Manual Set (OMMS) TOs TR: OMMS Manual Set								-			
A8.1.3.1 OMMS TOs								-			
A8.1.3.2 Use OMMS TOs	5							-			
A8.1.4. Aircraft communications equipment								-			
A8.1.4.1 Operate radio TR: TO 1B-1B-2-23JG-10-1	7							-			
A8.1.4.2 Use interphone TR: TO 1B-1B-2-05JG-10-1	5							-			

## B-1 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3- lVl	5- lVl	7- lVl	9- lVl
A8.1.5. Perform ground handling TR: AFMAN 11-218, applicable AFI 91 series, TOs 00-25-172 and 1B-1B-2-05JG-20-1								-			
A8.1.5.1 Launch aircraft	5							-			
A8.1.5.2 Recover aircraft	5							-			
A8.1.5.3. Tow aircraft TR: TO 1B-1B-2-05JG-10-1								-			
A8.1.5.3.1 Wing walker	5							-			
A8.1.5.3.2 Tail walker	5							-			
A8.1.5.3.3 Brake operator	5							-			
A8.1.5.3.4 Tow team supervisor	7							-			
A8.1.5.3.5 Tow vehicle operator								-			
A8.1.5.4. Jack and level aircraft TR: TO 1B-1B-2-05JG-80-1								-			
A8.1.5.4.1 Fuselage jacking team member								-			
A8.1.5.4.2 Fuselage jacking supervisor								-			
A8.1.5.4.3 Operate jacking manifold								-			
A8.1.5.4.4 Axle jacking	5							-			
A8.1.6 Perform weight and balance functions TR: TO 1B-1B-5-2								-			
A8.1.7 Safe aircraft for maintenance TR: TO 1B-1B-2-05JG-20-1	5							-			
A8.1.8 Perform hardness critical procedures TR: Applicable aircraft series JGs								-			
A8.1.9 Safe aircraft for simulated airborne condition TR: TO 1B-1B-2-05JG-20-1								-			
A8.1.10 Cover/uncover proximity switch control TR: TO 1B-1B-2-05JG-10-1								-			
A8.1.11. Maintenance Data Documentation (MDD) TR: AFI 21-101, TO 00-20-1, 00-20-2 and applicable aircraft -06 Work Unit Code Manuals								-			
A8.1.11.1 Document AFTO Form 781H	5							-			
A8.1.11.2 Document AFTO Form 781A	5							-			
A8.1.11.3 Document AFTO Form 781J	5							-			
A8.1.11.4 Document AFTO Form 781K	5							-			
<b>A8.2. AIRFRAME</b>								-			
A8.2.1 Components and structure TR: TOs 1B-1B-2-51GS-00-1 and 1B-1B-2-57GS-00-1								-			
A8.2.2 Perform operational check entry door/hatch TR: TO 1B-1B-2-52JG-10-1								-			

## B-1 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3- lvl	5- lvl	7- lvl	9- lvl
A8.2.3 Perform operational check weapons bay door TR: TO 1B-1B-2-94JG-90-1								-			
A8.2.4. Remove/install								-			
A8.2.4.1 Engine bay door TR: TO 1B-1B-2-54JG-00-1								-			
A8.2.4.2 Panels TR: 1B-1B-2-51JG series TOs	5							-			
A8.2.4.3 Non-explosive seats TR: TO 1B-1B-2-25JG-00-1								-			
A8.2.4.4. Windows TR: TO 1B-1B-2-56JG-10-1								-			
A8.2.4.4.1 Pilot/copilot forward windshields								-			
A8.2.4.4.2 Pilot/copilot side windows								-			
A8.2.4.4.3 Pilot/copilot overhead windows								-			
A8.2.4.4.4 Offensive Systems Officer (OSO)/Defensive Systems Officer (DSO) side windows								-			
A8.2.4.5. Radomes TR: TO 1B-1B-2-53JG-50-1								-			
A8.2.4.5.1 Nose								-			
A8.2.4.5.2 Tail								-			
A8.2.4.5.3 Forward side fairing								-			
A8.2.4.5.4 Aft side fairing								-			
A8.2.4.6 Thermal flash protection shields TR: TO 1B-1B-2-25JG-10-1								-			
A8.2.4.7 Weapons bay doors TR: TO 1B-1B-2-52JG-30-1								-			
A8.2.4.8. Entry door/stair ladder TR: TO 1B-1B-2-52JG-30-1								-			
A8.2.4.8.1 Actuator/gearbox assembly								-			
A8.2.4.8.2 Actuator motor								-			
A8.2.4.8.3 Chain								-			
A8.2.4.8.4 Latching control mechanism								-			
A8.2.4.8.5 Pressure door seal								-			
A8.2.4.9. Overwing fairing inflatable seals TR: TOs 1B-1B-2-53JG-50-3, 54JG-50-1 and 51JG-00-1								-			
A8.2.4.9.1 Upper forward inflatable seal								-			
A8.2.4.9.2 Upper aft inflatable seal								-			
A8.2.4.9.3 Lower inflatable seal								-			
A8.2.4.10. Pivoting wedge TR: TO 1B-1B-2-54JG-50-1								-			
A8.2.4.10.1 Fairing								-			
A8.2.4.10.2 Wedge assembly								-			
A8.2.4.10.3 Spring assembly bungee								-			

## B-1 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3- lvl	5- lvl	7- lvl	9- lvl
A8.2.4.11. Wing pivot panels TR: TO 1B-1B-2-53JG-00-1								-			
A8.2.4.11.1 Upper forward								-			
A8.2.4.11.2 Upper intermediate								-			
A8.2.4.11.3 Upper aft								-			
A8.2.4.11.4 Lower pivot panel								-			
A8.2.4.12 Fuel cooling scoops TR: TO 1B-1B-2-21JG-10-1								-			
A8.2.4.13. Radar Cross Section (RCS) vane TR: TO 1B-1B-2-54JG-20-1 and 55JG-10-1								-			
A8.2.4.13.1 Forward RCS vane								-			
A8.2.4.13.2 Aft RCS vane								-			
A8.2.4.14 Horizontal stabilizer tip								-			
A8.2.4.15 Horizontal stabilizer leading edge								-			
A8.2.4.16 Wing tip								-			
A8.2.5. Open/close TR: TOs 1B-1B-2-05JG-10-1, 2-05JG-50-1, and 2-28JG-20-5								-			
A8.2.5.1 Entry door/hatch	5							-			
A8.2.5.2 Aft hatches								-			
A8.2.5.3 Main landing gear doors	5							-			
A8.2.5.4 Universal Air Refueling Receptacle Slipway Installation (UARRSI) door								-			
A8.2.5.5 Weapons bay door	5							-			
A8.2.5.6 Engine bay door	5							-			
A8.2.5.7 Weapons bay doors splitting								-			
A8.2.5.8. Radomes TR: TO 1B-1B-2-05JG-50-1								-			
A8.2.5.8.1 Nose								-			
A8.2.5.8.2 Tail								-			
A8.2.5.8.3 Forward side fairing								-			
A8.2.5.8.4 Aft side fairing								-			
A8.2.5.9 Overwing fairing	5							-			
A8.2.6. Rig/adjust TR: TOs 1B-1B-2-52JG-30-1, 1B-1B-2-05JG-20-1, 1B-1B-2-05JG-50-1, 1B-1B-2-94GS-00-2, and 1B-1B-2-94JG-90-1								-			
A8.2.6.1 Weapons bay doors								-			
A8.2.6.2 Weapons bay Power Drive Units (PDUs)								-			
A8.2.6.3 Rotary actuators								-			
A8.2.6.4 Weapons bay spoilers								-			

## B-1 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3- lvl	5- lvl	7- lvl	9- lvl
A8.2.6.5. Entry door/stair ladder TR: TO 1B-1B-2-52JG-10-1								-			
A8.2.6.5.1 Actuator/gearbox assembly								-			
A8.2.6.5.2 Actuator motor								-			
A8.2.6.5.3 Chain								-			
A8.2.6.5.4 Latching control mechanism								-			
A8.2.6.5.5 Entry door uplock system								-			
<b>A8.3.</b> <b>LANDING GEAR SYSTEMS</b> <b>TR: TOs 1B-1B-2-32GS-00-1 and 1B-1B-2-32JG series</b>								-			
A8.3.1 Components and system operation								-			
A8.3.2. Perform operational check								-			
A8.3.2.1 Landing gear								-			
A8.3.2.2 Brakes	7							-			
A8.3.2.3 Steering system								-			
A8.3.3. Operate								-			
A8.3.3.1 Brakes	5							-			
A8.3.3.2 Steering	5							-			
A8.3.4. Service TR: Applicable -2 TOs								-			
A8.3.4.1 Landing gear struts								-			
A8.3.4.1.1 Nitrogen	5							-			
A8.3.4.1.2 Hydraulic fluid								-			
A8.3.4.2. Axle beam positioner								-			
A8.3.4.2.1 Nitrogen	5							-			
A8.3.4.2.2 Hydraulic fluid								-			
A8.3.4.3 Nose wheel steering gearbox								-			
A8.3.4.4 Tires TR: TO 4T-1-3	5							-			
A8.3.5 Lubricate landing gear components TR: TO 1B-1B-6WC-2 and 1B-1B-2-12JG-40-1	5							-			
A8.3.6. Remove/install								-			
A8.3.6.1 Wheel and tire assemblies TR: TO 1B-1B-2-32JG-40-4								-			
A8.3.6.1.1 Nose Landing Gear (NLG) wheel and tire assemblies	5							-			
A8.3.6.1.2 Main Landing Gear (MLG) wheel and tire assemblies	5							-			
A8.3.6.2 Brake assemblies TR: TO 1B-1B-2-32JG-40-3	7							-			
A8.3.6.3 NLG strut assembly TR: TO 1B-1B-2-32JG-10-1								-			
A8.3.6.4 NLG wheel well doors TR: TO 1B-1B-2-52JG-80-1								-			

## B-1 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3- lVl	5- lVl	7- lVl	9- lVl
A8.3.6.5      MLG strut assembly TR: TO 1B-1B-2-32JG-10-1								-			
A8.3.6.6      MLG axle beam positioner TR: TO 1B-1B-2-32JG-10-3								-			
A8.3.6.7      MLG wheel well doors TR: TO 1B-1B-2-52JG-80-1								-			
A8.3.7      Bleed brake systems TR: TO 1B-1B-2-32JG-40-1	7							-			
<b>A8.4.      UTILITY SYSTEMS</b> <b>TR: TOs 1B-1B-2-21GS-00-1, 1B-1B-2-26GS-00-1, 1B-1B-2-30GS-00-1, and 1B-1B-2-35GS-00-1</b>								-			
A8.4.1      Components and system operation								-			
A8.4.2      Perform operational check of fire/overheat warning system TR: TO 1B-1B-2-26JG-10-1								-			
A8.4.3.      Operate								-			
A8.4.3.1      Bleed air system TR: TO 1B-1B-2-21JG-00-1	5							-			
A8.4.3.2      Air conditioning system TR: TO 1B-1B-2-21JG-10-2	5							-			
A8.4.3.3      Fire/overheat warning system TR: TO 1B-1B-2-26JG-10-1	5							-			
A8.4.3.4      Fire extinguishing system TR: TO 1B-1B-2-26JG-20-1	5							-			
A8.4.4      Service oxygen system TR: TO 1B-1B-2-12JG-20-1	5							-			
A8.4.5.      Service environmental systems TR: TO 1B-1B-2-12JG-20-1								-			
A8.4.5.1      Top off coolant loops (Air Recirculation Coolant Loop (ACL), Intercooler Loop (ICL), Liquid Avionics Coolant Loop (LCL))	5							-			
A8.4.5.2      Refrigeration units (#1, #2 and stores)								-			
A8.4.6.      Pre-cooler blower TR: TO 1B-1B-2-21JG-10-1								-			
A8.4.6.1      Remove/install								-			
A8.4.6.2      Perform operational check								-			
A8.4.7.      Self-contained toilet TR: TO 1B-1B-2-25JG-40-1								-			
A8.4.7.1      Remove/install	5							-			
A8.4.7.2      Service	5							-			
A8.4.7.3      Repair								-			
<b>A8.5.      FLIGHT CONTROL SYSTEM</b> <b>TR: TO 1B-1B-2-27GS-00-1</b>								-			
A8.5.1      Components and system operation								-			
A8.5.2      Troubleshoot TR: TO 1B-1B-2-27JG series								-			
A8.5.3.      Perform operational check flight controls TR: TOs 1B-1B-2-27JG-10-1, 1B-1B-2-27JG-20-1, 1B-1B-27JG-30-1 and 1B-1B-2-27JG-80-1								-			

## B-1 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3- lvl	5- lvl	7- lvl	9- lvl
A8.5.3.1	Roll control							-			
A8.5.3.2	Pitch control							-			
A8.5.3.3	Yaw control							-			
A8.5.3.4	Flap/slat control							-			
A8.5.4.	Operate flight controls TR: TOs 1B-1B-2-27JG-10-1, 1B-1B-2-27JG-20-1, 1B-1B-27JG-30-1 and 1B-1B-2-27JG-80-1							-			
A8.5.4.1	Roll control	5						-			
A8.5.4.2	Pitch control	5						-			
A8.5.4.3	Yaw control	5						-			
A8.5.4.4	Flap/slat control	5						-			
A8.5.4.5	Wing sweep TR: TO 1B-1B-2-27JG-80-1							-			
A8.5.4.5.1	Less than 35 degrees							-			
A8.5.4.5.2	Greater than 35 degrees							-			
A8.5.5.	Remove/install TR: 1B-1B-2-27JG-10/20/30/40/80 series, 1B-1B-2-53JG series, 1B-1B-2-55JG series, 1B-1B-2-57JG series TOs							-			
A8.5.5.1	Spoiler master micro-adjust rod							-			
A8.5.5.2	Roll feel bungee							-			
A8.5.5.3	Roll disengage mechanism							-			
A8.5.5.4	Cable tension regulator bungee							-			
A8.5.5.5	Roll centering bungee							-			
A8.5.5.6	Inboard spoiler override bungee							-			
A8.5.5.7	Roll aft feel bungee							-			
A8.5.5.8	Spoiler Electromechanical (EM) actuator							-			
A8.5.5.9	Outboard spoiler override bungee							-			
A8.5.5.10	Horizontal stabilizer roll trim actuator							-			
A8.5.5.11	pedbrake/spoiler roll trim actuator							-			
A8.5.5.12	Adjust bolts							-			
A8.5.5.13	Pilot/copilot pedals							-			
A8.5.5.14	Upper rudder							-			
A8.5.5.15	Intermediate rudder							-			
A8.5.5.16	Lower rudder							-			
A8.5.5.17	Yaw trim actuator							-			
A8.5.5.18	Yaw limiter actuator							-			
A8.5.5.19	Horizontal stab upper/lower servo cylinder							-			
A8.5.5.20	Pitch aft feel bungee							-			

## B-1 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3- lvl	5- lvl	7- lvl	9- lvl
A8.5.5.21	Pitch master cylinder override bungee							-			
A8.5.5.22	Pitch override bungee							-			
A8.5.5.23	Pitch disengage mechanism							-			
A8.5.5.24	Pitch forward feel bungee							-			
A8.5.5.25	Stick disengage handle							-			
A8.5.5.26	Pitch centering bungee							-			
A8.5.5.27	Linkage shaker motor							-			
A8.5.5.28	Pitch trim actuator							-			
A8.5.5.29	Roll Stability and Control Augmentation System (SCAS) override bungee							-			
A8.5.5.30	Yaw SCAS override bungee							-			
A8.5.5.31	Wing fairing							-			
A8.5.5.32	Wing sweep gear subassembly (GSA) drive coupling/shaft							-			
A8.5.5.33	Wing sweep drive coupling							-			
A8.5.5.34	Right angle drive gearbox							-			
A8.5.5.35	Ballscrew actuator							-			
A8.5.5.36	Mechanical control linkage							-			
A8.5.5.37	Wing sweep ground interlock control cable assembly							-			
A8.5.5.38	Left angle drive gearbox							-			
A8.5.5.39	Alternate wing sweep control actuator							-			
A8.5.5.40	Flap/slat torque limiter							-			
A8.5.5.41	Flap/slat angle drive gearbox							-			
A8.5.5.42	Slat offset gearbox							-			
A8.5.5.43	Flap step-over gearbox							-			
A8.5.5.44	Slat step-over gearbox							-			
A8.5.5.45	Flap/slat jack-screw							-			
A8.5.5.46	Flap segments							-			
A8.5.5.47	Slat segments							-			
A8.5.5.48	Flap/slat interlock							-			
A8.5.5.49	Structural Mode Control System (SMCS) vanes							-			
A8.5.6	Inspec flight controls TR: TO 1B-1B-6							-			
A8.5.7	Lubricate flight controls TR: TOs 1B-1B-6WC-2 and 1B-1B-2-12JG-40-1							-			
A8.5.8.	Rig/adjust flight controls TR: TO 1B-1B-2-27JG series							-			
A8.5.8.1	Roll control							-			

## B-1 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3- lvl	5- lvl	7- lvl	9- lvl
A8.5.8.2	Outboard spoiler control							-			
A8.5.8.3	Yaw control							-			
A8.5.8.4	Pitch control							-			
A8.5.8.5	Stick position versus surface position check							-			
A8.5.8.6	Roll SCAS							-			
A8.5.8.7	Pitch SCAS							-			
A8.5.8.8	Wing sweep							-			
<b>A8.6.</b>	<b>HYDRAULIC SYSTEMS TR: TO 1B-1B-2-29GS-00-1 and applicable -2 TOs</b>							-			
A8.6.1	Components and system operation							-			
A8.6.2.	Service							-			
A8.6.2.1	Reservoir TR: TOs 1B-1B-2-12JG-20-1 and 1B-1B-2-12JG-30-1							-			
A8.6.2.1.1	Nitrogen	5						-			
A8.6.2.1.2	Hydraulic fluid	5						-			
A8.6.2.2	Accumulator TR: TO 1B-1B-2-12JG-30-1	5						-			
A8.6.3	Apply hydraulic power							-			
A8.6.3.1	Using Auxiliary Power Unit (APU) TR: TOs 1B-1B-2-49JG-00-1 and 1B-1B-2-49JG-00-2	5						-			
A8.6.3.2	Using hydraulic test stand TR: TO 1B-1B-2-29JG-00-1	5R						-			
A8.6.4	Perform leak checks TR: TO 1B-1B-2-29JG-00-1							-			
<b>A8.7.</b>	<b>ENGINES AND APU TR: TOs 1B-1B-2-70GS-00-1, 1B-1B-2-83GS-00-1, and 1B-1B-2-49GS-00-1</b>							-			
A8.7.1	Components and system operation							-			
A8.7.2	Inspect airframe inlet and engine intake TR: TO 1B-1B-6WC-1 and 1B-1B-2-70JG-30-1							-			
A8.7.3.	Perform engine operational check TR: TOs 1B-1B-2-70JG-30-1 and 1B-1B-2-70JG-40-1							-			
A8.7.4.	Operate							-			
A8.7.4.1	Engine TR: TO 1B-1B-2-70JG-30-1							-			
A8.7.4.2	APUs and subsystems TR: TO 1B-1B-2-49JG-00-2	5						-			
A8.7.5.	Service TR: TO 1B-1B-2-12JG-30-1							-			
A8.7.5.1	Oil system	5						-			
A8.7.5.2	Integrated drive generator	5						-			

## B-1 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3- lVl	5- lVl	7- lVl	9- lVl
A8.7.5.3 Accessory drive gearbox	5							-			
A8.7.5.4 APUs	5							-			
A8.7.6. Remove/install TR: TO 1B-1B-2-80JG-10-1								-			
A8.7.6.1 Air turbine starter								-			
A8.7.6.2 Starter control valve								-			
A8.7.7 Perform leak checks TR: TOs 1B-1B-2-49JG-00-1 and 1B-1B-2-70JG-00-1								-			
A8.7.8. Air intake movable lip components and system operation TR: TO 1B-1B-2-71JG-60-1								-			
A8.7.8.1 Perform operational check of air intake movable lip (ground power)								-			
A8.7.8.2 Perform operational check of air intake movable lip (forward crew station)								-			
A8.7.8.3. Remove/install air intake movable lip components TR: TO 1B-1B-2-71JG-60-1 and 1B-1B-2-54JG-20-1								-			
A8.7.8.3.1 Movable lip upper linear actuator								-			
A8.7.8.3.2 Movable lip lower linear actuator								-			
A8.7.8.3.3 Movable lip power drive unit								-			
A8.7.8.3.4 Movable lip								-			
A8.7.8.4 Rig/adjust air intake movable lip components TR: TO 1B-1B-2-71JG-60-1								-			
<b>A8.8. AIRCRAFT FUEL SYSTEMS TR: TO 00-25-172, applicable AFI 91 series and aircraft -2 series TOs</b>								-			
A8.8.1 Components and system operation								-			
A8.8.2. Refuel aircraft TR: TO 1B-1B-2-12JG-10-1								-			
A8.8.2.1 Team member (ground observer)	5							-			
A8.8.2.2. Team panel operator								-			
A8.8.2.2.1 Auto	5							-			
A8.8.2.2.2 Manual	5							-			
A8.8.2.3. Team supervisor								-			
A8.8.2.3.1 Auto	7							-			
A8.8.2.3.2 Manual	7							-			
A8.8.3. Defuel aircraft TR: TO 1B-1B-2-12JG-10-1								-			
A8.8.3.1 Team member (ground observer)	5							-			
A8.8.3.2. Team panel operator								-			
A8.8.3.2.1 Auto	5							-			
A8.8.3.2.2 Manual	5							-			

## B-1 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3- lvl	5- lvl	7- lvl	9- lvl
A8.8.3.3. Team supervisor								-			
A8.8.3.3.1 Auto	7							-			
A8.8.3.3.2 Manual	7							-			
A8.8.4. Perform emergency defueling TR: TO 1B-1B-2-12JG-10-1								-			
A8.8.4.1 Supervisor								-			
A8.8.4.2 Fire guard								-			
A8.8.4.3 Safety observer								-			
A8.8.5 Prepare aircraft for fuel cell maintenance TR: TO 1B-1B-2-28JG-00-1								-			
A8.8.6 Ground transfer fuel TR: TO 1B-1B-2-28JG-00-1	5							-			
A8.8.7. Remove/install 180 inch weapons bay tank TR: TOs 1B-1B-2-28JG-10-1, 35D3-9-21-1 and 6J14-7-6-2								-			
A8.8.7.1 Load team supervisor								-			
A8.8.7.2 Load team assistant								-			
A8.8.7.3 Lift truck (jammer) operator								-			
A8.8.7.4 Lift truck (jammer) Remote Control Unit (RCU) operator								-			
A8.8.7.5 Perform component check out								-			
A8.8.8 Perform fuel sump draining TR: TO 1B-1B-2-12JG-10-1	5							-			
<b>A8.9. ELECTRICAL SYSTEMS</b>								-			
A8.9.1 Components and system operation TR: TO 1B-1B-2-24GS-00-1								-			
A8.9.2 Connect/apply external electrical power TR: TO 1B-1B-2-05JG-10-1	5							-			
A8.9.3 Disconnect external electrical power TR: TO 1B-1B-2-05JG-10-1	5							-			
A8.9.4 Apply electrical power using APU TR: TO 1B-1B-2-49JG-00-2	5							-			
A8.9.5 Remove/install								-			
A8.9.5.1 Aircraft batteries TR: TOs 1B-1B-2-24JG-00-1 and 1B-1B-2-24JG-30-1	5							-			
A8.9.5.2. Aircraft lighting TR: TO 1B-1B-2-33JG-40-1								-			
A8.9.5.2.1 Interior lighting								-			
A8.9.5.2.2 Exterior lighting								-			
A8.9.6 Operate lighting system TR: TO 1B-1B-2-33JG-40-1								-			
<b>A8.10. EGRESS SYSTEM</b> TR: TO 1B-1B-2-95GS-00-1, 1B-1B-2-95JG-00-1								-			
A8.10.1 Components and system operation								-			

## B-1 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3- lvl	5- lvl	7- lvl	9- lvl
A8.10.2 Operate seat adjustment								-			
<b>A8.11. CENTRAL INTEGRATED TEST SYSTEM (CITS)</b>								-			
A8.11.1 CITS operation TR: TO 1B-1B-2-46GS-00-1								-			
A8.11.2 Remove/install data transfer cartridge TR: TO 1B-1B-2-46JG-40-1	5							-			
A8.11.3. Operate TR: TOs 1B-1B-2-40JG series								-			
A8.11.3.1 Parameter monitor mode	5							-			
A8.11.3.2 Ground readiness test	5							-			
<b>A8.12 AEROSPACE GROUND EQUIPMENT TR: Applicable AFI 91 series</b>								-			
A8.12.1 Perform pre-use inspection and operate								-			
A8.12.1.1 Gaseous oxygen servicing equipment with intensifier TR: TOs 15X1-1 and 37C2-8								-			
A8.12.1.2 Liquid coolant cart TR: TO 35E10-27-1								-			
A8.12.1.3 Liquid coolant cart hand operated servicing cart TR: TO 1B-1B-2-12JG-20-1	5							-			
A8.12.1.4 Mobile hydraulic oil dispenser TR: TO 35D8 series								-			
A8.12.1.5 Wing sweep support fixture TR: TO 35-1-271-2								-			
A8.12.1.6 Spring panel press TR: TO 35-1-271-2								-			
A8.12.1.7 Hydraulic test stand TR: TO 33A2-series as applicable	5R							-			
A8.12.1.8 Air conditioning units TR: TO 35E9-series as applicable	5							-			
A8.12.1.9 A/M32A-95 gas turbine compressor TR: TO 35D12-series as applicable								-			
A8.12.1.10 Oil servicing carts TR: TO 35A17- series as applicable	5							-			
A8.12.1.11 Hydraulic servicing carts TR: TO 35A29- series as applicable	5							-			

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## B-2 QUALITATIVE REQUIREMENTS

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

<b>A9.1.</b>	<b>AIRCRAFT GENERAL</b>							-			
A9.1.1.	Phased inspection concept and inspections TR: TOs 00-20-1, 1B-2A-6, 1B-2A-6WC-1, and 1B-2A-6WC-2							-			
A9.1.1.1	Phased inspection concept							-			
A9.1.1.2.	Perform inspections							-			
A9.1.1.2.1.	Preflight							-			
A9.1.1.2.1.1	Work area #1	5						-			
A9.1.1.2.1.2	Work area #2 and #3	5						-			
A9.1.1.2.1.3	Work area #4	5						-			
A9.1.1.2.2.	Thruflight							-			
A9.1.1.2.2.1	Part 2A	5						-			
A9.1.1.2.2.2	Part 2B	5						-			
A9.1.1.2.3.	Post-flight							-			
A9.1.1.2.3.1	Work area #1	5						-			
A9.1.1.2.3.2	Work area #2 and #3	5						-			
A9.1.1.2.3.3	Work area #4	5						-			
A9.1.1.2.4.	Phase							-			
A9.1.1.2.4.1	Inspect work area #1							-			
A9.1.1.2.4.2	Lubricate work area #1							-			
A9.1.1.2.4.3	Inspect work area #2							-			
A9.1.1.2.4.4	Lubricate work area #2							-			
A9.1.1.2.4.5	Inspect work area #3							-			
A9.1.1.2.4.6	Lubricate work area #3							-			
A9.1.1.2.4.7	Inspect work area #4							-			
A9.1.1.2.4.8	Lubricate work area #4							-			
A9.1.1.2.5	Acceptance							-			
A9.1.1.2.6	Calendar							-			
A9.1.1.2.7	Special							-			
A9.1.1.2.8	Time change item							-			
A9.1.1.2.9.	Alert							-			
A9.1.1.2.9.1	Part 4A							-			
A9.1.1.2.9.2	Part 4B							-			
A9.1.2.	Perform aircraft wash TR: TO 1B-2A-2-12JG-40-1							-			
A9.1.2.1	Preparation	5						-			
A9.1.2.2	Wash	5						-			

## B-2 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3- lvl	5- lvl	7- lvl	9- lvl
A9.1.2.3 Lube	5							-			
A9.1.2.4 Restoration	5							-			
A9.1.2.5 Wash supervisor	7							-			
A9.1.3. Organizational Maintenance Manual Set (OMMS) TOs TR: Applicable -2 TOs								-			
A9.1.3.1 OMMS TOs								-			
A9.1.3.2 Use OMMS TOs	5							-			
A9.1.4. Maintenance Data Documentation (MDD) TR: AFI 21-101, TO 00-20-1, 00-20-2, and applicable aircraft -06 Work Unit Code Manuals								-			
A9.1.4.1 Document AFTO Form 781H	5							-			
A9.1.4.2 Document AFTO Form 781A	5							-			
A9.1.4.3 Document AFTO Form 781J	5							-			
A9.1.4.4 Document AFTO Form 781K	5							-			
A9.1.4.5 Document DD Form 2026	5							-			
A9.1.5. Aircraft communications equipment TR: Applicable -2 TOs								-			
A9.1.5.1 Operate radio								-			
A9.1.5.2 Use interphone	5							-			
A9.1.6. Perform ground handling TR: AFI 21-101, TO 00-25-172, applicable AFI 91 series and -2 TOs								-			
A9.1.6.1 Launch aircraft	5							-			
A9.1.6.2 Recover aircraft	5							-			
A9.1.6.3. Tow aircraft TR: TO 1B-2A-2-05JG-10-3								-			
A9.1.6.3.1 Wing walker	5							-			
A9.1.6.3.2 Tail walker	5							-			
A9.1.6.3.3 Brake operator	5							-			
A9.1.6.3.4 Tow team supervisor	7							-			
A9.1.6.3.5 Tow vehicle operator								-			
A9.1.6.3.6 Alert towing								-			
A9.1.6.4. Jack and level aircraft TR: TO 1B-2A-2-05JG-80-1								-			
A9.1.6.4.1 Jacking team member	5							-			
A9.1.6.4.2 Jacking supervisor								-			
A9.1.6.4.3 Jack manifold operator								-			
A9.1.6.4.4 Plumb bob operator								-			
A9.1.6.5 Axle jacking	5							-			

## B-2 QUALITATIVE REQUIREMENTS

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

A9.1.6.6	Crash recovery							-			
A9.1.7	Perform weight and balance functions TR: TO 1B-2A-5	5						-			
A9.1.8	Verify aircraft center of gravity	5						-			
A9.1.9	Remove/install proximity caps TR: TO 1B-2A-2-05JG-10-3	5						-			
A9.1.10	Simulate airborne							-			
A9.1.11	Perform aircraft safe for maintenance TR: TO 1B-2A-2-05JG-20-1	5						-			
A9.1.12	Perform alert safe for maintenance TR: TO 1B-2A-2-05JG-70-1							-			
A9.1.13	Hardness critical procedures	5						-			
A9.1.14	Perform electrostatic discharge procedures	5						-			
A9.1.15	Observable critical procedures	5						-			
A9.1.16	Low observable awareness	5						-			
A9.1.17	Comply with blade seal safety precautions	5						-			
A9.1.18	Inspect/operate fall protection devices	5						-			
A9.1.19.	Remove/install/service							-			
A9.1.19.1	Toilet TR: TO 1B-2A-2-25JG-40-1	5						-			
A9.1.19.2	Sustenance container TR: TO 1B-2A-2-25JG-10-1	5						-			
<b>A9.2.</b>	<b>AIRFRAME TR: Applicable -2 TOs</b>							-			
A9.2.1	Components and structure							-			
A9.2.2.	Doors TR: TO 1B-2A-2-01JG-60-1 & -2							-			
A9.2.2.1.	Operate crew entry door							-			
A9.2.2.1.1	Pneudraulically	5						-			
A9.2.2.1.2	Manually							-			
A9.2.2.2	Operate aft nose landing gear	5						-			
A9.2.2.3.	Operate aft equipment bay entry door							-			
A9.2.2.3.1	Electrically							-			
A9.2.2.3.2	Manually							-			
A9.2.2.4	Operate auxiliary air inlet							-			
A9.2.2.5	Operate Auxiliary Power Unit (APU) exhaust	5						-			
A9.2.3.	Remove/install							-			
A9.2.3.1	Crew entry pressure door TR: TO 1B-2A-2-52JG-10-2							-			
A9.2.3.2	Crew entry pressure door seal TR: TO 1B-2A-2-52JG-10-4							-			

## B-2 QUALITATIVE REQUIREMENTS

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

A9.2.3.3	Engine/Airframe Mounted Accessory Drive(AMAD) bay doors TR: TO 1B-2A-2-52JG-90-2							-			
A9.2.3.4	Environmental Control System (ECS)/hydraulic bay doors TR: TO 1B-2A-2-52JG-40-3							-			
A9.2.3.5	Nozzle bay panels TR: TO 1B-2A-2-57JG-30-2							-			
A9.2.3.6	Panels	5						-			
A9.2.3.7	Low Observable (LO) tape							-			
A9.2.3.8	Windows TR: TO 1B-2A-2-56JG-10-1							-			
A9.2.3.9	Radomes TR: TO 1B-2A-2-53JG-40-1							-			
A9.2.3.10	Passive Thermal Protection Systems (PTPS) TR: TO 1B-2A-2-25JG-10-1							-			
A9.2.4.	Open/close							-			
A9.2.4.1	Crew entry pressure door	5						-			
A9.2.4.2	Engine/AMAD bay doors TR: TO 1B-2A-2-01JG-60-1	5						-			
A9.2.4.3	ECS/hydraulic bay doors TR: TO 1B-2A-2-01JG-60-2	5						-			
A9.2.4.4	Wheel well blow out doors TR: TO 1B-2A-2-01JG-60-3							-			
A9.2.5	Perform Intermediate Mold Surface (IMS) door rig/adjustment TR: TOs 1B-2A-2-51GS-00-1 and 1B-2A-2-53GS-00-1							-			
A9.2.6	Inspect airframe and components TR: TO 1B-2A-6	7						-			
A9.2.7	Inspect secondary structure	7						-			
A9.2.8	Inspect aircraft windows	5						-			
A9.2.9	Clean aircraft windows TR: TO 1B-2A-2-12JG-40-1	5						-			
<b>A9.3.</b>	<b>LANDING GEAR SYSTEMS</b> <b>TR: Applicable -2 TOs</b>							-			
A9.3.1	Components and system operation							-			
A9.3.2	Inspect landing gear components	5						-			
A9.3.3.	Perform operational check TR: TOs 1B-2A-2-32JG-30-1 and 32JG-40-1							-			
A9.3.3.1	Landing gear							-			
A9.3.3.2	Brakes	7						-			
A9.3.3.3	Steering system							-			
A9.3.3.4	Anti-skid							-			
A9.3.4.	Service							-			
A9.3.4.1.	Landing gear struts with nitrogen TR: TO 1B-2A-2-12JG-30-2							-			

## B-2 QUALITATIVE REQUIREMENTS

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

A9.3.4.1.1	Normal servicing	5						-			
A9.3.4.1.2	Special maintenance	5						-			
A9.3.4.2	Landing gear struts with hydraulic fluid TR: TO 1B-2A-2-12JG-30-1							-			
A9.3.4.3.	Tires TR: TO 1B-2A-2-12JG-30-2							-			
A9.3.4.3.1	Nose	5						-			
A9.3.4.3.2	Main	5						-			
A9.3.5.	Remove/install							-			
A9.3.5.1.	Wheel and tire assemblies TR: TO 1B-2A-2-32JG-40-4							-			
A9.3.5.1.1	Nose	5						-			
A9.3.5.1.2	Main	5						-			
A9.3.5.2	Brake assemblies TR: TO 1B-2A-2-32JG-40-3	5R						-			
A9.3.5.3	Brake equalizer rods							-			
A9.3.5.4	Anti-skid magnetic drive unit							-			
A9.3.6	Bleed brake systems TR: TO 1B-2A-2-32JG-40-1	7R						-			
<b>A9.4.</b>	<b>UTILITY SYSTEMS</b> <b>TR: Applicable -2 TOs</b>							-			
A9.4.1	Components and system operation							-			
A9.4.2	Perform ECS power-up TR: TO 1B-2A-2-21JG-00-1	5						-			
A9.4.3.	Troubleshoot							-			
A9.4.3.1	Bleed air system							-			
A9.4.3.2	Air conditioning system							-			
A9.4.3.3	Pressurization system							-			
A9.4.3.4	Anti-ice/de-ice system							-			
A9.4.3.5	Rain removal system							-			
A9.4.3.6	Fire Warning and Leak Detection System (FWALDS)							-			
A9.4.3.7	Fire extinguishing system							-			
A9.4.3.8	Back-up Oxygen System (BOS)							-			
A9.4.4	Service BOS TR: TO 1B-2A-2-12JG-20-1	5						-			
A9.4.5.	Operate							-			
A9.4.5.1	Bleed air system							-			
A9.4.5.2	Air conditioning system							-			
A9.4.5.3	Pressurization system							-			
A9.4.5.4	Anti-ice/de-ice system							-			
A9.4.5.5	Rain removal system							-			

## B-2 QUALITATIVE REQUIREMENTS

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

A9.4.5.6	FWALDS							-			
A9.4.5.7	Fire extinguishing system							-			
A9.4.5.8	BOS							-			
A9.4.5.9	On Board Maintenance Printer (OBMP) TR: TO 1B-2A-2-31JG-30-1	5						-			
A9.4.5.10	On-board Test System (OBTS) controls/displays	5						-			
A9.4.6	Remove/install printer tape TR: TO 1B-2A-2-31JG-30-1	5						-			
A9.4.7	Use OBTS Ground Processor (OGP) report for fault isolation of system malfunction	5						-			
A9.4.8	Load/unload maintenance write tapes/disks TR: TO 1B-2A-2-31JG-10-1	5						-			
A9.4.9.	Service equipment cooling systems TR: TO 1B-2A-2-12JG-20-1							-			
A9.4.9.1	Service Ethylene Glycol Water (EGW) System	5						-			
A9.4.9.2	Service Defense Management System (DMS)	5						-			
A9.4.9.3	Service Liquid Coolant System (LCS)	5						-			
A9.4.10.	Sample equipment cooling							-			
A9.4.10.1	Sample EGW system TR: TO 1B-2A-2-21JG-80-3	5R						-			
A9.4.10.2	Sample DMS TR: TO 1B-2A-2-21JG-80-4	5R						-			
A9.4.10.3	Sample LCS TR: TO 1B-2A-2-21JG-80-1	5R						-			
<b>A9.5.</b>	<b>FLIGHT CONTROL SYSTEM</b> <b>TR: Applicable -2 TOs</b>							-			
A9.5.1	Components and system operation							-			
A9.5.2	Perform operational check of flight controls							-			
A9.5.3	Operate flight controls							-			
A9.5.4	Remove/install flight control components							-			
A9.5.5	Inspect flight controls	5						-			
A9.5.6	Rig flight controls							-			
<b>A9.6.</b>	<b>HYDRAULIC SYSTEMS</b> <b>TR: Applicable -2 TOs</b>							-			
A9.6.1	Components and system operation							-			
A9.6.2.	Service hydraulic system							-			
A9.6.2.1.	Reservoirs TR: TO 1B-2A-2-12JG-20-1							-			
A9.6.2.1.1	Normal	5						-			
A9.6.2.1.2	Top-off	5						-			

## B-2 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3- lvl	5- lvl	7- lvl	9- lvl
A9.6.2.1.3 Alert TR: TO 1B-2A-2-05JG-70-2								-			
A9.6.2.2. Accumulators								-			
A9.6.2.2.1 Normal TR: TO 1B-2A-2-12JG-30-2	5							-			
A9.6.2.2.2 Alert TR: TO 1B-2A-2-05JG-70-2								-			
A9.6.3 Apply hydraulic power using test stand TR: TO 1B-2A-2-05JG-10-2	5R							-			
A9.6.4 Take hydraulic samples								-			
A9.6.5 Reposition and torque line connections								-			
<b>A9.7. ENGINES AND APU</b> <b>TR: Applicable -2 TOs</b>								-			
A9.7.1 Components and system operation								-			
A9.7.2 Inspect engine inlets/exhausts TR: TO 1B-2A-2-70JG-10-1	7R							-			
A9.7.3. Operate								-			
A9.7.3.1 Engine and subsystems TR: TOs 1B-2A-2-70JG-30-1, 2 & 3, and 1B-2A-2-70JG-40-1								-			
A9.7.3.2. APU TR: TO 1B-2A-2-05JG-10-1 & 2								-			
A9.7.3.2.1 Maintenance mode								-			
A9.7.3.2.2 ECS mode								-			
A9.7.3.2.3 Perform ground observer duties								-			
A9.7.4. Service								-			
A9.7.4.1. Engine oil TR: TO 1B-2A-2-12JG-30-1								-			
A9.7.4.1.1 Normal engine off	5							-			
A9.7.4.1.2 Normal engine operating	5							-			
A9.7.4.1.3 Initial/unknown	5R							-			
A9.7.4.2 AMAD oil	5							-			
A9.7.4.3 APU oil	5							-			
A9.7.4.4. Pressurized Air Start System (PASS)								-			
A9.7.4.4.1 Normal TR: TO 1B-2A-2-12JG-30-2	5							-			
A9.7.4.4.2 Alert TR: TO 1B-2A-2-05JG-70-2								-			
A9.7.4.4.3 Turbine Driven Recharge Compressor (TDC) TR: TO 1B-2A-2-80JG-10-1	5							-			
A9.7.4.5 AMAD heat exchanger, flushing TR: TO 1B-2A-2-83JG-50-1								-			
A9.7.5. Remove/install								-			
A9.7.5.1 Air turbine starter TR: TO 1B-2A-2-80JG-10-1								-			

## B-2 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
	Core/Cert ^	Deployment 5 / SEI +	A	B	C	D	E	A	B	C	D
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3- lVl	5- lVl	7- lVl	9- lVl
A9.7.5.2 Air turbine starter control valve TR: TO 1B-2A-2-83JG-20-1								-			
A9.7.5.3 AMAD TR: TO 1B-2A-2-83JG-20-1	7R							-			
A9.7.5.4 TDC TR: TO 1B-2A-2-49JG-40-1								-			
A9.7.5.5 Engines TR: TO 1B-2A-2-70JG-20-1								-			
A9.7.5.6 Power Transmission Shaft (PTS) TR: TO 1B-2A-2-83JG-10-1	5							-			
A9.7.5.7 AMAD power takeoff flange TR: TO 1B-2A-2-71JG-10-1	5							-			
A9.7.5.8 AMAD carbon seal replacement TR: TO 1B-2A-2-83JG-20-2	5							-			
A9.7.5.9 Hydraulic pump TR: TO 1B-2A-2-29JG-10-1								-			
A9.7.5.10 Pump manifold TR: TO 1B-2A-2-29JG-10-1								-			
A9.7.5.11 Integrated drive generator TR: TO 1B-2A-2-24JG-20-1								-			
A9.7.5.12 AMAD filter elements TR: TO 1B-2A-2-83JG-20-2	5							-			
A9.7.6 Take engine oil samples TR: TO 1B-2A-2-12JG-30-1	5							-			
<b>A9.8. AIRCRAFT FUEL SYSTEMS</b> <b>TR: TO 00-25-172, applicable AFI 91 series and -2 TOs</b>								-			
A9.8.1 Components and system operation								-			
A9.8.2 Troubleshoot								-			
A9.8.3. Refuel aircraft TR: TO 1B-2A-2-12JG-10-1								-			
A9.8.3.1 Ground observer	5							-			
A9.8.3.2. Team panel operator								-			
A9.8.3.2.1 Ground control panel manual	5							-			
A9.8.3.2.2 Ground control panel auto	5							-			
A9.8.3.2.3 Manual fuel control panel	5							-			
A9.8.3.3. Team supervisor								-			
A9.8.3.3.1 Manual	7							-			
A9.8.3.3.2 Auto	7							-			
A9.8.4. Refuel aircraft using RH APU TR: TO 1B-2A-2-12JG-10-2								-			
A9.8.4.1 Team supervisor	7							-			
A9.8.4.2 Ground control panel operator								-			
A9.8.4.3 Cockpit operator (APU operator)								-			
A9.8.5 Perform alert top-off TR: TO 1B-2A-2-0-5JG-70-2								-			
A9.8.6. Defuel aircraft TR: TO 1B-2A-2-12JG-10-2								-			
A9.8.6.1 Ground observer	5							-			

## B-2 QUALITATIVE REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
			A	B	C	D	E	A	B	C	D
	Core/Cert ^	Deployment 5 / SEI +	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3- lVl	5- lVl	7- lVl	9- lVl
A9.8.6.2. Team panel operator								-			
A9.8.6.2.1 Ground control panel	5							-			
A9.8.6.2.2 Manual fuel control panel	5							-			
A9.8.6.3 Team supervisor	7							-			
A9.8.7 Prepare aircraft for fuel cell maintenance TR: TO 1-1-3								-			
A9.8.8 Operate Air Refueling Receptacle Slipway Installation (ARRSI) TR: TO 1B-2A-2-28JG-20-5								-			
A9.8.9 Perform ground transfer fuel TR: TO 1B-2A-2-28JG-00-1	5							-			
A9.8.10 Drain fuel tank sumps/obtain fuel samples TR: TO 1B-2A-2-12JG-10-2	5							-			
<b>A9.9. ELECTRICAL SYSTEMS</b> <b>TR: Applicable -2 TOs</b>								-			
A9.9.1 Components and system operation								-			
A9.9.2. Operate lighting system TR: TO 1B-2A-2-33JG-10-1								-			
A9.9.2.1 Internal lighting system	5							-			
A9.9.2.2 External lighting system	5							-			
A9.9.2.3 Indicator warning lights	5							-			
A9.9.2.4 Emergency lights	5							-			
A9.9.3. Remove/install								-			
A9.9.3.1 Light lenses	5							-			
A9.9.3.2 Light bulbs	5							-			
A9.9.3.3 Batteries TR: TO 1B-2A-2-24JG-30-1	5							-			
A9.9.3.4 Landing/taxi light TR: TO 1B-2A-2-33JG-40-1	5							-			
A9.9.4 Troubleshoot lighting system	5							-			
A9.9.5 Connect/apply external electrical power TR: TO 1B-2A-2-05JG-10-1	5							-			
A9.9.6 Disconnect external electrical power TR: TO 1B-2A-2-05JG-10-2	5							-			
A9.9.7 Connect/apply external electrical power using bleed air carts TR: TO 1B-2A-2-05JG-10-1	5							-			
<b>A9.10. EGRESS SYSTEM</b> <b>TR: Applicable -2 TOs</b>								-			
A9.10.1 Components and system operation								-			
A9.10.2 Operate seat adjustment	5							-			
<b>A9.11. WEAPONS BAY COMPONENTS</b> <b>TR: Applicable -2 TOs</b>								-			
A9.11.1 Components and system operation								-			

## B-2 QUALITATIVE REQUIREMENTS

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

A9.11.2	Troubleshoot weapons bay system							-			
A9.11.3.	Operate weapons bay doors TR: TO 1B-2A-2-01JG-60-1							-			
A9.11.3.1	Manually	5						-			
A9.11.3.2	Electrically	5						-			
A9.11.3.3	Hydraulically							-			
A9.11.4	Inspect weapons system components TR: TO 1B-2A-6	7						-			
A9.11.5	Rig/adjust weapons bay system							-			
<b>A9.12.</b>	<b>DOCK/HANGAR PROCEDURES</b> <b>TR: Local Directives</b>							-			
A9.12.1	Perform Aqueous Film Forming Foam (AFFF) Procedures	5						-			
<b>A9.13.</b>	<b>CENTRALIZED AIRCRAFT SUPPORT SYSTEMS (CASS)</b>							-			
A9.13.1	Operate electrical power and inverter system	5						-			
A9.13.2	Operate CASS combined air system	5						-			
A9.13.3	Operate hangar nitrogen	5						-			
<b>A9.14.</b>	<b>AEROSPACE GROUND EQUIPMENT</b> <b>TR: Applicable AFI 91 series</b>							-			
A9.14.1	Perform pre-use inspection and operate							-			
A9.14.1.1	Hydraulic test stand TR: TO 33A2-series as applicable	5R						-			
A9.14.1.2	Air conditioning units TR: TO 35E9-series as applicable	5						-			
A9.14.1.3	A/M32A-95 gas turbine compressor TR: TO 35D12-series as applicable	5						-			
A9.14.1.4	Gaseous nitrogen servicing equipment TR: TO 35D3- series as applicable	5						-			
A9.14.1.5.	Oil servicing carts TR: TO 35A17- series as applicable	5						-			
A9.14.1.6.	Hydraulic servicing carts TR: TO 35A29- series as applicable	5						-			

