

# AFSC 2A5X2 HELICOPTER/TILTROTOR AIRCRAFT MAINTENANCE SPECIALTY



## CAREER FIELD EDUCATION AND TRAINING PLAN

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**RELEASABILITY:** There are no releasability restrictions on this publication.

**SUMMARY OF CHANGES.** As a result of the 29 July – 2 August 2019 Specialty Training Requirements Team Workshop, the STSs contained in this Career Field Education and Training Plan (CFETP) have significant changes in Core Tasks, proficiency codes, and STS line item numbers.

**CAREER FIELD EDUCATION AND TRAINING PLAN  
HELICOPTER/TILTROTOR AIRCRAFT MAINTENANCE SPECIALTY  
AFSC 2A5X2**

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Supersedes: This publication supersedes CFETP 2A5X2, dated 1 October 2016 and CFETP 2A3X7C1, 22 May 2018.

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Number of Printed Pages: 96

**HELICOPTER/TILTROTOR AIRCRAFT MAINTENANCE SPECIALTY  
AFSC 2A5X2B/D  
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 2A5X2, Helicopter/Tiltrotor 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 2A5X2 CFETP published 1 October 2016 and CFETP 2A5X2C1, 22 May 2018. Information is available at Air Force Publications website.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**1. Purpose of the CFETP.** This CFETP provides the information necessary for the AFCFM, MAJCOM functional managers (MFMs), commanders, training managers, supervisors, and trainers to plan, develop, manage, and conduct an effective and efficient career field training program. It identifies major resource constraints which impact full implementation of the desired career field training process. This CFETP outlines the training that individuals in AFSC 2A5X2 should receive in order to develop and progress throughout their career. This CFETP identifies initial skills, upgrade, qualification, advanced, and proficiency training requirements for each skill level in the specialty.

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

**3. Coordination and Approval of the CFETP.** The AFCFM is the approval authority for the CFETP. The AFCFM for AFSC 2A5X2 will initiate an annual review of this document to ensure currency and accuracy. MAJCOM representatives and AETC training personnel will identify and coordinate on the career field training requirements. Using the list of courses in Part II, they will eliminate duplicate training.

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

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

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

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



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

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

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

**2.3. Craftsman (7) Level.** Individuals must complete formal 7-level OJT. This training involves completion of identified 7-level 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 helicopter/tiltrotor aircraft.

**2.4. Superintendent (9) Level.** Individuals promoted to SMSgt may be required to attend the Senior Noncommissioned Officer Academy. Additional training in the areas of budget, manpower, resources, and personnel management should be pursued through continuing education. Completion of college courses in the pursuit of a higher-level educational degree is also recommended. Once promoted to SMSgt, an individual can be assigned to any airlift/special mission, refuel/bomber, or helicopter/tiltrotor unit.

**3. Training Decisions.** The CFETP uses a building block approach (simple to complex) to encompass the entire spectrum of training requirements for the Helicopter/Tiltrotor Aircraft Maintenance (2A5X2) career field. The spectrum includes a strategy for when, where, and how to meet these training requirements. The strategy should be apparent and affordable to reduce duplication of training and eliminate a disjointed approach to training. The following training decisions were made by MFMs and SMEs at the career field STRT held 22 July – 9 August 2019 at Sheppard AFB, TX.

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

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

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

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

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

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

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

|  | Semester Hours |
|--|----------------|
| Technical Education.....   | 24             |
| Leadership, Management, and Military Studies.....  | 6              |
| General Education.....   | 15             |
| Program Elective.....  | 15             |
| Technical Education; Leadership, Management, and Military<br>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.langley.af.mil/afvec/Public/COOL/ViewCredential.aspx?Id=rLtRzbnN9hc%3d&AFSC=qcJyNKD84O8%3d>. The CCAF currently awards 30 semester hours for the FAA A&P certification and 18 semester hours for the FAA Airframe or Powerplant certification.

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

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

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

**5.1. Enlisted Development Team.** The Enlisted Development Team (EDT) is the deliberate force development steering group for the Maintenance Management Career Fields 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 2A5X2 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<br>A1C  | 6 months<br>10 months |                 |                           |
| <b>Upgrade to Journeyman (5-Skill Level)</b><br>- Complete all appropriate 5- level Core Tasks.   | Amn<br>A1C<br>SrA   | 10 months<br>3 years  | 28<br>months    | 8 Years                   |
| <b>Airman Leadership School (ALS)</b><br>-Must be a SrA with 48 months time in service or be an SSgt Selectee.<br>-Resident graduation is a prerequisite for SSgt sew-on (Active Duty Only).  | <b>Trainer</b><br>- Qualified and certified to perform the task to be trained.<br>- Must attend formal AF Training Course.<br>- Recommended by the supervisor.  |                       |                 |                           |
|   | <b>Certifier</b><br>- Be an SSgt select with a 5- skill level or civilian equivalent.<br>- Must attend AF Training Course.<br>- Be a person other than the trainer except for AFSCs, duty position, units and/or work centers with specialized training standardization and certification requirements. |                       |                 |                           |
| <b>Upgrade To Craftsman (7-Skill Level)</b><br>-Minimum rank of SSgt (Sel).<br>-Time in training is determined by the Career Field Manager.<br>-Complete Career Development Course if applicable.<br>-Attend Craftsman course, if applicable. | SSgt (Sel)  | 7.5 years             | 3 years         | 15 Years                  |
| <b>Noncommissioned Officer Academy (NCOA)</b><br>- Must be a TSgt or TSgt Selectee.<br>- 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><br>- Must be a SMSgt or SMSgt Selectee.<br>- 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><br>- Minimum rank of SMSgt.  | CMSgt   | 21.5 years            | 14 years        | 30 Years                  |

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

| <b>Table 5.2. Base/Unit Education and Training Manager Checklist</b>   |          |          |
|--|----------|----------|
| <b>Requirements for Upgrade to:</b>  | <b>Y</b> | <b>N</b> |
| <b>Journeyman</b><br>- Does apprentice possess 2A532B/D AFSC?<br>- Has apprentice completed all appropriate 5-level Core Tasks identified in the CFETP?<br>- Has apprentice met mandatory requirements listed in specialty description, ECD and CFETP?<br>- Has apprentice been recommended by their supervisor? |          |          |
| <b>Craftsman</b><br>- Does journeyman possess 2A552B/D AFSC?<br>- Has journeyman achieved the rank of SSgt?<br>- Has journeyman completed all appropriate Core Tasks identified in the CFETP?  |          |          |

TO: Squadron/CC

FROM: Squadron Training Manager

SUBJECT: Upgrade Trainee

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

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

\_\_\_\_\_  
 Supervisor

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**2.1.1.3. Training.** For award of AFSC 2A532B/D, 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 2A532B/D.

**2.1.1.5. Other.** For entry into this specialty normal color vision as defined in AFI 48-123, *Medical Examination and Standards* is required. See Attachment 4 of the AFECD for additional entry requirements. Must maintain local network access IAW AFMANs 33-152, *User Responsibilities and Guidance for Information Systems* and 17-1301, *Computer Security*. Specialty requires routine access to Secret material or similar environment. For award and retention of AFSC 2A5X2, completion of a current National Agency Check, Local Agency Checks and Credit (NACLC) according to DoDMAN5200.02\_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) equipment 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 2A552B/D. However, progress toward a CCAF Associate's Degree or equivalent is highly encouraged.

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

**2.2.1.4. Experience.** Qualification in and possession of AFSC 2A532 with appropriate shred is required. Completion of the specified STS Core Tasks is required, as well as duty position requirements identified by the supervisor.

**2.2.1.5. Other.** For entry into this specialty normal color vision as defined in AFI 48-123, *Medical Examination and Standards* is required. See Attachment 4 of the AFECD for additional entry requirements. Must maintain local network access IAW AFMANs 33-152, *User Responsibilities and Guidance for Information Systems* and 17-1301, *Computer Security*. Specialty requires routine access to Secret material or similar environment. For award and retention of AFSC 2A5X2, completion of a current National Agency Check, Local Agency Checks and Credit (NACLC) according to DoDMAN5200.02\_AFMAN16-1405, *Personnel Security Program Management*.

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

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

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

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

**2.3.1.1. Knowledge.** In addition to the 5-level qualifications, an individual must possess advanced skills and knowledge of theory, concepts, and principles of aircraft maintenance. The 7-level must be able to supervise and train personnel to maintain 2A5X2B/D systems. They must be able to plan, schedule, and organize maintenance to ensure effective utilization of available resources. Qualification is required on advanced repair, inspection, troubleshooting, and diagnostic techniques. Historical documentation analysis is also required for all 7-levels.

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

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

**2.3.1.4. Experience.** Completion of appropriate 7-level Core Tasks as identified in the STS for one MDS, and qualification in and possession of AFSC 2A552 B/D, as well as duty position requirements identified by the supervisor.

**2.3.1.5. Other.** For entry into this specialty normal color vision as defined in AFI 48-123, *Medical Examination and Standards* is required. See Attachment 4 of the AFECD for additional entry requirements. Must maintain local network access IAW AFMANs 33-152, *User Responsibilities and Guidance for Information Systems* and 17-1301, *Computer Security*. Specialty requires routine access to Secret material or similar environment. For award and retention of AFSC 2A5X2, 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, or 2A97X 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 AFMANs 33-152, *User Responsibilities and Guidance for Information Systems* and 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 April 2021.

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

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

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

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

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

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

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

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

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

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

**4.1.1. Transcribing from Old CFETP to New CFETP.** All AFJQSs and previous CFETPs are replaced by this CFETP; therefore, transcribing of all training records to this CFETP STS is mandatory. Use this CFETP STS (or automated STS) to identify and certify all past and current qualifications. Document and certify all previous and current training IAW AFI 36-2650 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 736-1484, 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://app10-eis.aetc.af.mil/etca/SitePages/Home.aspx>.

### ***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 2A5X2 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            | 372 TRS/TRR                 |
| 613 10th Avenue             | 917 Missile Rd, Suite 200   |
| Sheppard AFB, TX 76311-2352 | Sheppard AFB, TX 76311-2852 |
| DSN 736-1484                | DSN 736-4794                |

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

|                             |                       |
|-----------------------------|-----------------------|
| 82 TRG: DSN 736-5236        | 982 TRG: DSN 736-4687 |
| e-mail: 82trgcsil@us.af.mil | e-mail:               |

**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 2A5X2 Course Objective Training Matrix, attachment A.

| <b>Course Number</b> | <b>Course Title</b>   | <b>Location</b>    | <b>OPR</b> | <b>USER</b> | <b>Course Days</b> |
|----------------------|---|--------------------|------------|-------------|--------------------|
| J9AQA2A532B030B      | UH-60 Helicopter Repairer (ITRO 600-15T10)                      | Fort Eustis, VA    | 362 TRS    | USAF        | 66                 |
| JCABP2A532B030B      | (UH-60) Aerospace Maintenance Apprentice                        | Fort Eustis, VA    | 362 TRS    | USAF        | 12                 |
| JCABP2A532B030D      | (HH-60W) Aerospace Maintenance Apprentice                       | Fort Eustis, VA    | 362 TRS    | USAF        | 66                 |
| J3AQR2A532D021B      | Aerospace Maintenance Apprentice, CV-22 (STS attachment 2 only) | Sheppard AFB, TX   | 362 TRS    | USAF        | 24                 |
| JCABP2A532D021C      | Aerospace Maintenance Apprentice CV-22 (STS attachment 5 only)  | MCAS New River, NC | 362 TRS    | USAF        | 55                 |

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

|   |  |  |
|---|--|--|
| OPR: 362 TRS/TRR<br>613 10th Avenue<br>Sheppard AFB, TX 76311<br>DSN 736-1484 | 372 TRS<br>917 Missile Rd, Suite 200<br>Sheppard AFB, TX 76311<br>DSN 736-4797 | 373 TRS<br>917 Missile Rd, Suite 200<br>Sheppard AFB, TX 76311<br>DSN 736-4750 |
|---|--|--|

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

| <b>Course Number</b> | <b>Course Title</b>                          | <b>OPR</b> | <b>User</b> |
|----------------------|--|------------|-------------|
| JCAZP2A5X2D021C      | CV-22 Crew Chief MECH Course                 | 362 TRS    | USAF        |
| JCAZP2A6X6 021B      | Electrical and Environmental Systems (CV-22) | 362 TRS    | USAF        |
| J3AZR2AXXX0W1B       | Weight and Balance Practical                 | 362 TRS    | USAF        |
| J7AZT2AXXX0W1B       | Weight and Balance Practical (MTT)           | 362 TRS    | USAF        |
| J3AAR2AXXX048B       | Crash Damaged, Disabled Aircraft Recovery    | 362 TRS    | USAF        |

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

**4. Exportable Courses:**

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

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

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

OPR: 362 TRS/TRR  
 613 10th Avenue  
 Sheppard AFB, TX 76311-2352  
 DSN 736-1484

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

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

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

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

BY ORDER OF THE SECRETARY OF THE AIR FORCE

OFFICIAL

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

**6 STS Attachments**

1. Proficiency Code Key
2. Aircraft Maintenance Common Training Requirements
3. 2A5X2B, UH-60G Qualitative Requirements
4. 2A5X2B, UH-60W Qualitative Requirements
5. 2A5X2D, CV-22 Qualitative Requirements
- A. 2A532B Course Objective Training Matrix



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

### QUALITATIVE REQUIREMENTS

| Proficiency Code Key             |             |  |
|----------------------------------|-------------|--|
|                                  | Scale Value | Definition: The individual   |
| Task<br>Performance<br>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<br>Knowledge<br>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<br>Knowledge<br>Levels | A           | <b>KNOWS FACTS</b> (Can identify basic facts and terms about the subject.)   |
|                                  | B           | <b>KNOWS PRINCIPLES</b> (Can identify relationship of basic facts and state general principles about the subject.)         |
|                                  | C           | <b>KNOWS ANALYSIS</b> (Can analyze facts and principles and draw conclusions about the subject.)                           |
|                                  | D           | <b>KNOWS EVALUATION</b> (Can evaluate conditions and make proper decisions about the subject.)                             |

**Explanations:**

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

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

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

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

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

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## AIRCRAFT MAINTENANCE COMMON TRAINING REQUIREMENTS

| 1. Tasks, Knowledge And Technical References   | 2. Tasks    |                      | 3. Certification For OJT |              |                  |                  |                    | 4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course |       |       |       |
|--|-------------|----------------------|--------------------------|--------------|------------------|------------------|--------------------|---|-------|-------|-------|
|  | Core/Cert ^ | Deployment 5 / SEI + | A                        | B            | C                | D                | E                  | A   | B     | C     | D     |
|  |             |                      | Tng Start                | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | 3-lvl   | 5-lvl | 7-lvl | 9-lvl |
| <p>NOTE 1: Users are responsible for annotating training references pending STS revision.</p> <p>NOTE 2: All task/knowledge items taught in the initial skills course are trained during war time.</p> <p>NOTE 3: Items in column 2 identified with an 5R or 7R are optional for the AFRC Traditional Reservist (TR) and the ANG Drill Status Guardsman (DSG); for full-time members, Core Tasks are required.</p> |             |                      |                          |              |                  |                  |                    |   |       |       |       |
| <b>A2.1. CAREER LADDER PROGRESSION</b><br>TR: AFI 36-2101  |             |                      |                          |              |                  |                  |                    |   |       |       |       |
| A2.1.1 Progression in career ladder  |             |                      |                          |              |                  |                  |                    | A   |       |       |       |
| A2.1.2 Duties of AFS   |             |                      |                          |              |                  |                  |                    | A   |       |       |       |
| <b>A2.2. OPERATIONS SECURITY (OPSEC) VULNERABILITY OF AFSC</b><br>TR: AFI 10-701   |             |                      |                          |              |                  |                  |                    |   |       |       |       |
| A2.2.1 Purpose of OPSEC  |             |                      |                          |              |                  |                  |                    | A   |       |       |       |
| <b>A2.3. AF CONSOLIDATED OCCUPATIONAL SAFETY INSTRUCTION</b><br>TR: AFI 21-101, AFMANs 91-203 and 11-218; TOs 00-25-172, 1-1-691, and applicable aircraft TOs  |             |                      |                          |              |                  |                  |                    |   |       |       |       |
| 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<br>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<br>TR: AFI 32-2001; TO 00-25-172  |             |                      |                          |              |                  |                  |                    |   |       |       |       |

## AIRCRAFT MAINTENANCE COMMON TRAINING REQUIREMENTS

| 1. Tasks, Knowledge And Technical References | 2. Tasks   |                      | 3. Certification For OJT |              |                  |                  |                    | 4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course |       |       |       |  |
|--|--|----------------------|--------------------------|--------------|------------------|------------------|--------------------|---|-------|-------|-------|--|
|  | Core/Cert ^  | Deployment 5 / SEI + | A                        | B            | C                | D                | E                  | A   | B     | C     | D     |  |
|  |  |                      | Tng Start                | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | 3-lvl   | 5-lvl | 7-lvl | 9-lvl |  |
| A2.3.3.1                                     | Perform pre-use inspection   | 5                    |                          |              |                  |                  |                    |   | 2b    |       |       |  |
| A2.3.3.2                                     | Position   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A2.3.3.3                                     | Operate  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A2.3.4                                       | Aircraft Damage Prevention   |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A2.3.4.1                                     | Foreign Object Damage (FOD) prevention program   |                      |                          |              |                  |                  |                    |   | A     |       |       |  |
| A2.3.4.2                                     | Dropped object prevention program  |                      |                          |              |                  |                  |                    |   | A     |       |       |  |
| A2.3.5.                                      | Hazardous chemicals<br>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<br>TR: TO 00-20-1  |                      |                          |              |                  |                  |                    |   | A     |       |       |  |
| <b>A2.4.</b>                                 | <b>MAINTENANCE DIRECTIVES, REFERENCES, &amp; INSTRUCTIONS</b><br><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><br><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><br><b>TR: AFIs 36-2650 and 36-2670</b>   |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A2.6.1                                       | Evaluate personnel for training  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A2.6.2                                       | Plan and supervise OJT   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A2.6.3                                       | Counsel trainees on training progress  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |

## 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 |  |
| A2.6.4                                       | 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 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) TR: AFI 21-101; TO 00-20 Series; Applicable aircraft -06 Work Unit Code Manuals; Integrated Maintenance Data System (IMDS) on-line help screens; G0-81 on-line help screens</b> |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A2.8.1                                       | MDD Fundamentals  |                      |                          |              |                  |                  |                    |   | A     |       |       |  |
| A2.8.2.                                      | Aircraft and supporting maintenance records   |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A2.8.2.1                                     | Purpose   |                      |                          |              |                  |                  |                    |   | A     |       |       |  |
| A2.8.2.2                                     | Automated Forms   |                      |                          |              |                  |                  |                    |   | A     |       |       |  |
| A2.8.2.3                                     | Document AFTO Form 781H (except HH-60)  |                      |                          |              |                  |                  |                    |   | 1b    |       |       |  |
| A2.8.2.4                                     | Document AFTO Form 781A (except HH-60)  |                      |                          |              |                  |                  |                    |   | 1b    |       |       |  |
| A2.8.2.5                                     | Document AFTO Form 781J (except HH- 60)   |                      |                          |              |                  |                  |                    |   | 1b    |       |       |  |
| A2.8.2.6                                     | Document AFTO Form 781K (except HH-60)  |                      |                          |              |                  |                  |                    |   | 1b    |       |       |  |
| A2.8.2.7                                     | Document AFTO Form 781F (except HH- 60)   |                      |                          |              |                  |                  |                    |   | 1b    |       |       |  |
| A2.8.2.8                                     | Document other AFTO 781 series forms  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A2.8.2.9                                     | Document AFTO Form 244/245  |                      |                          |              |                  |                  |                    |   | 1b    |       |       |  |
| A2.8.2.10                                    | Document AFTO Form 350 (except HH-60)   |                      |                          |              |                  |                  |                    |   | 1b    |       |       |  |
| A2.8.2.11                                    | Document AFTO Form 349  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A2.8.2.12                                    | Document AFTO Form 95   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A2.8.3.                                      | Maintenance Information Systems (MIS)   |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A2.8.3.                                      | Purpose   |                      |                          |              |                  |                  |                    |   | A     |       |       |  |
| A2.8.3.2.                                    | Job data documentation (JDD)  |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A2.8.3.2.1                                   | Purpose   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |

## AIRCRAFT MAINTENANCE COMMON TRAINING REQUIREMENTS

| 1. Tasks, Knowledge And Technical References | 2. Tasks   |                      | 3. Certification For OJT |              |                  |                  |                    | 4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course |       |       |       |  |
|--|--|----------------------|--------------------------|--------------|------------------|------------------|--------------------|---|-------|-------|-------|--|
|  | Core/Cert ^  | Deployment 5 / SEI + | A                        | B            | C                | D                | E                  | A   | B     | C     | D     |  |
|  |  |                      | Tng Start                | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | 3-lvl   | 5-lvl | 7-lvl | 9-lvl |  |
| A2.8.3.2.2                                   | 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    |       |       |  |
| 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     |       |       |  |

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

## AIRCRAFT MAINTENANCE COMMON TRAINING REQUIREMENTS

| 1. Tasks, Knowledge And Technical References                                    | 2. Tasks    |                      | 3. Certification For OJT |              |                  |                  |                    | 4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course |       |       |       |
|---|-------------|----------------------|--------------------------|--------------|------------------|------------------|--------------------|---|-------|-------|-------|
|   | Core/Cert ^ | Deployment 5 / SEI + | A                        | B            | C                | D                | E                  | A   | B     | C     | D     |
|   |             |                      | Tng Start                | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | 3-lvl   | 5-lvl | 7-lvl | 9-lvl |
| A2.11.5.3 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<br>TR: TO 42C-1-2S-2         |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A2.11.11 De-ice aircraft:<br>TR: TO 42C-1-2S-2, 14CFR121.629 section 121.629    |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A2.11.12 Debrief aircrews   |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A2.11.13. Aircraft guarded switches   |             |                      |                          |              |                  |                  |                    |   |       |       |       |
| A2.11.13.1 Design/function/proper identification                                |             |                      |                          |              |                  |                  |                    | A   |       |       |       |
| A2.11.13.2 Remove and replace covers  |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A2.11.13.3 Operational check  |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A2.11.14 Aircraft Battle Damage Repair (ABDR)<br>TR: 1-IH-39                    |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| <b>A2.12. AIRFRAME</b><br><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><br><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>  |             |                      |                          |              |                  |                  |                    |   |       |       |       |



## 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>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><br><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><br><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  |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A2.16.2.2 Fittings  |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A2.16.2.3 Filter elements   |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| <b>A2.17. ENGINES</b><br><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. FUELS</b><br><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. ELECTRICAL</b><br><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   |             |                      |                          |              |                  |                  |                    | -   |       |       |       |

## 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 |  |
| A2.19.4                                      | 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<br/>TR: AFMAN 91-203; TO 35A3<br/>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<br>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<br>TR: TO 35A2 series as applicable   |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A2.20.4.1                                    | Purpose and description  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A2.20.4.2                                    | Perform pre-use inspection and operate   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A2.20.5.                                     | Oxygen servicing equipment<br>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<br>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<br>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<br>TR: TO 35F5 series as applicable   |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A2.20.8.1                                    | Purpose and description  |                      |                          |              |                  |                  |                    |   | A     |       |       |  |

## AIRCRAFT MAINTENANCE COMMON TRAINING REQUIREMENTS

| 1. Tasks, Knowledge And Technical References  | 2. Tasks    |                      | 3. Certification For OJT |              |                  |                  |                    | 4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course |       |       |       |
|---|-------------|----------------------|--------------------------|--------------|------------------|------------------|--------------------|---|-------|-------|-------|
|   | Core/Cert ^ | Deployment 5 / SEL + | A                        | B            | C                | D                | E                  | A   | B     | C     | D     |
|   |             |                      | Tng Start                | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | 3-lvl   | 5-lvl | 7-lvl | 9-lvl |
| A2.20.8.2 Perform pre-use inspection and operate  |             |                      |                          |              |                  |                  |                    | 2b  |       |       |       |
| A2.20.9. Hydraulic test stand<br>TR: TO 33A2 series as applicable   |             |                      |                          |              |                  |                  |                    |   |       |       |       |
| A2.20.9.1 Purpose and description   |             |                      |                          |              |                  |                  |                    | A   |       |       |       |
| A2.20.10. Air conditioning units<br>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<br>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)<br>TR: TO 35D12series as applicable                           |             |                      |                          |              |                  |                  |                    |   |       |       |       |
| A2.20.11.2.1 Purpose and description  |             |                      |                          |              |                  |                  |                    | A   |       |       |       |
| A2.20.11.3. Diesel driven generator sets<br>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<br>TR: Applicable aircraft TOs  |             |                      |                          |              |                  |                  |                    |   |       |       |       |
| A2.20.12.1 Purpose and description  |             |                      |                          |              |                  |                  |                    | A   |       |       |       |
| A2.20.12.2 Connect/disconnect   |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A2.20.13. Tow vehicles<br>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<br>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<br>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<br>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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## HH-60G 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 A | Deployment 5 / SEI + | A                        | B            | C                | D                | E                  | A   | B     | C     | D     |
|  |             |                      | Tng Start                | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | 3-lvl   | 5-lvl | 7-lvl | 9-lvl |

NOTE 1: Use this attachment in conjunction with STS 2A5X2 Attachment 2.

NOTE 2: All task/knowledge taught in the initial skills course trained in the resident wartime courses.

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

NOTE 4: Task qualifications will be documented for the helicopter series being maintained. HH-60G 3-skill level course will transition to HH-60W requirements when resources are in place.

|   |   |  |  |  |  |  |  |    |  |  |  |  |
|---|---|--|--|--|--|--|--|----|--|--|--|--|
| <b>A3.1. AIRCRAFT GENERAL</b>   |   |  |  |  |  |  |  |    |  |  |  |  |
| A3.1.1. Aircraft inspections<br>TR: TOs 00-20-1, 1H-60(H)G-6 and 1H-60(H)G-2 series TOs |   |  |  |  |  |  |  |    |  |  |  |  |
| A3.1.1.1 Phase inspection concept   |   |  |  |  |  |  |  | A  |  |  |  |  |
| A3.1.1.2 600 hour phase   |   |  |  |  |  |  |  | A  |  |  |  |  |
| A3.1.1.3. Perform inspections   |   |  |  |  |  |  |  |    |  |  |  |  |
| A3.1.1.3.1. 50 hour   |   |  |  |  |  |  |  |    |  |  |  |  |
| A3.1.1.3.1.1 Section 1-cockpit  | 5 |  |  |  |  |  |  | 1b |  |  |  |  |
| A3.1.1.3.1.2 Section 2-cabin  | 5 |  |  |  |  |  |  | 1b |  |  |  |  |
| A3.1.1.3.1.3 Section 3-transition   | 5 |  |  |  |  |  |  | 1b |  |  |  |  |
| A3.1.1.3.1.4 Section 4-tail cone  | 5 |  |  |  |  |  |  | 1b |  |  |  |  |
| A3.1.1.3.1.5 Section 5-tail pylon   | 5 |  |  |  |  |  |  | 1b |  |  |  |  |
| A3.1.1.3.1.6 Section 6-main rotor pylon   | 5 |  |  |  |  |  |  | 1b |  |  |  |  |
| A3.1.1.3.2 600 hour phase   |   |  |  |  |  |  |  |    |  |  |  |  |
| A3.1.1.3.2.1 Section 1-cockpit  |   |  |  |  |  |  |  | -  |  |  |  |  |
| A3.1.1.3.2.2 Section 2-cabin  |   |  |  |  |  |  |  | -  |  |  |  |  |
| A3.1.1.3.2.3 Section 3-transition   |   |  |  |  |  |  |  | -  |  |  |  |  |
| A3.1.1.3.2.4 Section 4-tail cone  |   |  |  |  |  |  |  | -  |  |  |  |  |
| A3.1.1.3.2.5 Section 5-tail pylon   |   |  |  |  |  |  |  | -  |  |  |  |  |
| A3.1.1.3.2.6 Section 6-main rotor pylon   |   |  |  |  |  |  |  | -  |  |  |  |  |
| A3.1.1.3.3 Acceptance   |   |  |  |  |  |  |  | -  |  |  |  |  |
| A3.1.1.3.4 Calendar   | 7 |  |  |  |  |  |  | -  |  |  |  |  |
| A3.1.1.3.5 Special  |   |  |  |  |  |  |  | -  |  |  |  |  |
| A3.1.1.3.6 Hourly   |   |  |  |  |  |  |  | -  |  |  |  |  |
| A3.1.1.3.7 Conditional  |   |  |  |  |  |  |  | -  |  |  |  |  |
| A3.1.1.3.8 150 hour   |   |  |  |  |  |  |  | -  |  |  |  |  |
| A3.1.1.3.9 300 hour   |   |  |  |  |  |  |  | -  |  |  |  |  |
| A3.1.1.3.10 Preflight   | 5 |  |  |  |  |  |  | 1b |  |  |  |  |
| A3.1.1.3.11 Thrufflight   | 5 |  |  |  |  |  |  | -  |  |  |  |  |
| A3.1.2. Use communication equipment<br>TR: 1H-60(H)G-2-12 series TOs                    |   |  |  |  |  |  |  |    |  |  |  |  |
| A3.1.2.1 Interphone   | 5 |  |  |  |  |  |  | -  |  |  |  |  |

## HH-60G 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 A   | Deployment 5 / SEI + | A                        | B            | C                | D                | E                  | A   | B     | C     | D     |  |
|  |   |                      | Tng Start                | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | 3-lvl   | 5-lvl | 7-lvl | 9-lvl |  |
| A3.1.2.2                                     | UHF   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.1.2.3                                     | VHF   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.1.3.                                      | Perform ground handling<br>TR: AFMAN 11-218, Air Force Consolidated Safety Instruction, AFMAN 91-203, and 1H-60(H)G-2-1 series TOs    |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A3.1.3.1                                     | Principles of ground handling   |                      |                          |              |                  |                  |                    |   | A     |       |       |  |
| A3.1.3.2                                     | Helicopter/tiltrotor markings   |                      |                          |              |                  |                  |                    |   | A     |       |       |  |
| A3.1.3.3                                     | Launch/recover helicopter   | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.1.3.4.                                    | Tow helicopter  |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A3.1.3.4.1                                   | Perform as tow team member  | 5                    |                          |              |                  |                  |                    |   | 2b    |       |       |  |
| A3.1.3.4.2                                   | Perform as tow brake operator   | 5                    |                          |              |                  |                  |                    |   | a     |       |       |  |
| A3.1.3.4.3                                   | Perform as tow vehicle operator   | 7R                   |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.1.3.4.4                                   | Perform as tow team supervisor  | 7                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.1.3.5                                     | Moor/tie down helicopter  | 5                    |                          |              |                  |                  |                    |   | a     |       |       |  |
| A3.1.3.6.                                    | Jack helicopter   |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A3.1.3.6.1                                   | Perform as jacking team member  | 5                    |                          |              |                  |                  |                    |   | 2b    |       |       |  |
| A3.1.3.6.2                                   | Perform as jacking supervisor/level helicopter  | 7                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.1.3.7.                                    | Air shipment of helicopters<br>TR: AFIs 24-201, 24-202; AFD 24-22; TO 00-85 series TOs 1C-5A-9-2, 1C-17A-9, and 1H-60(H)G-17-1 series |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A3.1.3.7.1                                   | Load helicopter on transport aircraft   | 7R                   |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.1.3.7.2                                   | Disassemble and reassemble helicopter   | 7R                   |                          |              |                  |                  |                    |   | 2b    |       |       |  |
| A3.1.3.8                                     | Special maintenance required due to environment<br>TR: 1H-60(H)G-2 series TOs   |                      |                          |              |                  |                  |                    |   | A     |       |       |  |
| A3.1.3.9                                     | Special maintenance required during shipboard operations<br>TR: JP 3-04.1   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.1.3.10                                    | Wash aircraft   | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.1.4.                                      | Technical orders<br>TR: TO 00-5-1   |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A3.1.4.1                                     | Use technical orders  | 5                    |                          |              |                  |                  |                    |   | 2b    |       |       |  |
| A3.1.5.                                      | Maintenance functions   |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A3.1.5.1                                     | Perform debrief functions   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.1.5.2                                     | Use Minimum Essential Subsystems List (MESL)  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.1.6.                                      | Aircraft and supporting maintenance records<br>TR: TO 00-20-1   |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A3.1.6.1                                     | Document AFTO Form 781H   | 5                    |                          |              |                  |                  |                    |   | 2b    |       |       |  |
| A3.1.6.2                                     | Document AFTO Form 781A   | 5                    |                          |              |                  |                  |                    |   | 2b    |       |       |  |

## HH-60G QUALITATIVE REQUIREMENTS

| 1. Tasks, Knowledge And Technical References | 2. Tasks  |                      | 3. Certification For OJT |              |                  |                  |                    | 4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course |       |       |       |  |
|--|---|----------------------|--------------------------|--------------|------------------|------------------|--------------------|---|-------|-------|-------|--|
|  | Core/Cert ^   | Deployment 5 / SEI + | A                        | B            | C                | D                | E                  | A   | B     | C     | D     |  |
|  |   |                      | Tng Start                | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | 3-lvl   | 5-lvl | 7-lvl | 9-lvl |  |
| A3.1.6.3                                     | Document AFTO Form 781J   | 5                    |                          |              |                  |                  |                    |   | 2b    |       |       |  |
| A3.1.6.4                                     | Document AFTO Form 781K   | 5                    |                          |              |                  |                  |                    |   | 2b    |       |       |  |
| A3.1.6.5                                     | Document AFTO Form 781F   | 5                    |                          |              |                  |                  |                    |   | 2b    |       |       |  |
| A3.1.6.6                                     | Document AFTO Form 350  | 5                    |                          |              |                  |                  |                    |   | 2b    |       |       |  |
| A3.1.6.7                                     | Document In Process Inspection (IPI)  | 5                    |                          |              |                  |                  |                    |   | a     |       |       |  |
| A3.1.7.                                      | Tools<br>TR: AFI 21-101; TOs 1-1-8, 1-1A-14, 1-1-691 and TO 32 series as applicable         |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A3.1.7.1                                     | Tool control  |                      |                          |              |                  |                  |                    |   | B     |       |       |  |
| A3.1.7.2                                     | Digital propeller protractor  | 5                    |                          |              |                  |                  |                    |   | 1b    |       |       |  |
| A3.1.7.3                                     | Use dial indicator  | 5                    |                          |              |                  |                  |                    |   | b     |       |       |  |
| A3.1.7.4                                     | Use spring scales   | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.1.7.5                                     | Use tensiometers  | 7                    |                          |              |                  |                  |                    |   | 1b    |       |       |  |
| A3.1.7.6                                     | Perform run-in torque/breakaway torque  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.1.7.7                                     | Use micrometers   |                      |                          |              |                  |                  |                    |   | 2b    |       |       |  |
| A3.1.7.8                                     | Use blade checking and filling unit   |                      |                          |              |                  |                  |                    |   | b     |       |       |  |
| A3.1.7.9                                     | Use tire pressure gauges  |                      |                          |              |                  |                  |                    |   | 2b    |       |       |  |
| A3.1.7.10                                    | Use tire servicing kit  |                      |                          |              |                  |                  |                    |   | b     |       |       |  |
| <b>A3.2.</b>                                 | <b>AIRFRAME SYSTEMS</b><br><b>TR: TO 1H-60(H)G-2 series, 1-1A-8, 1-1A-14, and 1-1-689-3</b> |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A3.2.1                                       | Airframe construction fundamentals  |                      |                          |              |                  |                  |                    |   | A     |       |       |  |
| A3.2.2.                                      | Remove/install  |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A3.2.2.1                                     | Airframe components such as cowlings, panels, and doors                                     | 5                    |                          |              |                  |                  |                    |   | 2b    |       |       |  |
| A3.2.2.2                                     | Antennas  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.2.2.3                                     | Cockpit seats and components  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.2.2.4                                     | Windshield/windows  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.2.2.5                                     | Tail pylon  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.2.2.6                                     | Improved Ballistic Armament Suppression System (IBASS)                                      |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.2.2.7                                     | Vibration absorbers and components  |                      |                          |              |                  |                  |                    |   | b     |       |       |  |
| A3.2.2.8                                     | Cockpit/cabin floors  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.2.2.9                                     | Flight engineers and gunners consoles   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.2.2.10                                    | Fold pylon  |                      |                          |              |                  |                  |                    |   | b     |       |       |  |
| A3.2.2.11                                    | Door components   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.2.2.12                                    | Stabilator components   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| <b>A3.3.</b>                                 | <b>LANDING GEAR SYSTEMS</b><br><b>TR: 1H-60(H)G-2 series TOs</b>                            |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A3.3.1                                       | System operation  |                      |                          |              |                  |                  |                    |   | A     |       |       |  |
| A3.3.2.                                      | Perform operational check   |                      |                          |              |                  |                  |                    |   |       |       |       |  |

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| 1. Tasks, Knowledge And Technical References | 2. Tasks                                  |                      | 3. Certification For OJT |              |                  |                  |                    | 4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course |       |       |       |  |
|--|---|----------------------|--------------------------|--------------|------------------|------------------|--------------------|---|-------|-------|-------|--|
|  | Core/Cert ^                               | Deployment 5 / SEI + | A                        | B            | C                | D                | E                  | A   | B     | C     | D     |  |
|  |   |                      | Tng Start                | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | 3-lvl   | 5-lvl | 7-lvl | 9-lvl |  |
| A3.3.2.1                                     | Tail lock actuator                        |                      |                          |              |                  |                  |                    |   | b     |       |       |  |
| A3.3.2.2                                     | Brakes                                    |                      |                          |              |                  |                  |                    |   | a     |       |       |  |
| A3.3.3.                                      | Service/bleed                             |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A3.3.3.1                                     | Shock strut                               | 5                    |                          |              |                  |                  |                    |   | 2b    |       |       |  |
| A3.3.3.2                                     | Tires<br>TR: TO 4T-1-3                    | 5                    |                          |              |                  |                  |                    |   | 2b    |       |       |  |
| A3.3.3.3                                     | Brakes                                    |                      |                          |              |                  |                  |                    |   | 2b    |       |       |  |
| A3.3.4                                       | Adjust landing gear components            |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.3.5.                                      | Remove/install                            |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A3.3.5.1                                     | Main landing gear wheel and tire assembly | 5                    |                          |              |                  |                  |                    |   | 2b    |       |       |  |
| A3.3.5.2                                     | Brake assembly                            |                      |                          |              |                  |                  |                    |   | 2b    |       |       |  |
| A3.3.5.3                                     | Brake system components                   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.3.5.4                                     | Main landing gear skis and components     |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.3.5.5                                     | Tail landing gear skis and components     |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.3.5.6                                     | Landing gear components                   |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A3.3.5.6.1                                   | Shock strut                               |                      |                          |              |                  |                  |                    |   | b     |       |       |  |
| A3.3.5.6.2                                   | Shock strut components                    |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.3.5.6.3                                   | Tail landing gear yoke                    | 5                    |                          |              |                  |                  |                    |   | b     |       |       |  |
| A3.3.5.6.4                                   | Tail landing gear yoke components         |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.3.5.6.5                                   | Tail lock actuator mechanism / pin        | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.3.5.6.6                                   | Tail landing gear fork                    | 5                    |                          |              |                  |                  |                    |   | 2b    |       |       |  |
| A3.3.5.6.7                                   | Drag beam and components                  |                      |                          |              |                  |                  |                    |   | b     |       |       |  |
| A3.3.5.6.8                                   | Tail landing gear wheel and tire assembly | 5                    |                          |              |                  |                  |                    |   | 2b    |       |       |  |
| A3.3.6.                                      | Troubleshoot                              |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A3.3.6.1                                     | Landing gear system                       | 7                    |                          |              |                  |                  |                    |   |       |       |       |  |
| A3.3.6.2                                     | Brake system                              | 7                    |                          |              |                  |                  |                    |   |       |       |       |  |
| <b>A3.4.</b>                                 | <b>UTILITY SYSTEM</b>                     |                      |                          |              |                  |                  |                    |   |       |       |       |  |
|  | <b>TR: 1H-60(H)G-2 series TOs</b>         |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A3.4.1                                       | Systems fundamentals                      |                      |                          |              |                  |                  |                    |   | A     |       |       |  |
| A3.4.2.                                      | Perform operational checks                |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A3.4.2.1                                     | Hoist                                     | 5                    |                          |              |                  |                  |                    |   | b     |       |       |  |
| A3.4.2.2                                     | Cargo hook                                |                      |                          |              |                  |                  |                    |   | a     |       |       |  |
| A3.4.2.3                                     | Heating and ventilating                   |                      |                          |              |                  |                  |                    |   | a     |       |       |  |
| A3.4.2.4                                     | Fire detection                            | 5                    |                          |              |                  |                  |                    |   | a     |       |       |  |
| A3.4.2.5                                     | Windshield wiper                          | 5                    |                          |              |                  |                  |                    |   | a     |       |       |  |
| A3.4.2.6                                     | Windshield anti-ice                       | 5                    |                          |              |                  |                  |                    |   | a     |       |       |  |
| A3.4.3.                                      | Remove/install                            |                      |                          |              |                  |                  |                    |   |       |       |       |  |



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|--|--|----------------------|--------------------------|--------------|------------------|------------------|--------------------|---|-------|-------|-------|--|
|  | Core/Cert v  | Deployment 5 / SEI + | A                        | B            | C                | D                | E                  | A   | B     | C     | D     |  |
|  |  |                      | Tng Start                | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | 3-lvl   | 5-lvl | 7-lvl | 9-lvl |  |
| A3.4.3.1                                     | Cargo hook and components  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.4.3.2                                     | Cabin furnishings  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.4.3.3                                     | Martin Baker seats and components                                | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.4.3.4                                     | Troop seats  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.4.3.5                                     | Rappelling rings   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.4.3.6                                     | Mobile Aircrew Restraint System (MARS)                           |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.4.3.7                                     | Rescue hoist and support assembly                                | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.4.3.8                                     | Fast Rope Insertion Extraction System (FRIES) bar and components | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.4.3.9                                     | Heating and ventilating system components                        |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.4.3.10                                    | Fire detection system components                                 |                      |                          |              |                  |                  |                    |   | b     |       |       |  |
| A3.4.3.11                                    | Windshield anti-ice system components                            |                      |                          |              |                  |                  |                    |   | a     |       |       |  |
| A3.4.3.12                                    | Windshield wiper system components                               |                      |                          |              |                  |                  |                    |   | 2b    |       |       |  |
| A3.4.3.13                                    | Crew Overhead Restraint System (CORS)                            |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.4.3.14.                                   | Rescue Hoist components  |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A3.4.3.14.1                                  | Cable  | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.4.3.14.2                                  | Hook   | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.4.3.14.3                                  | Cable cutter   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.4.3.14.4                                  | Hydraulic  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.4.3.14.5                                  | Electric   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.4.3.14.6                                  | Mechanical   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.4.4.                                      | Adjust   |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A3.4.4.1                                     | Windshield wiper arm   |                      |                          |              |                  |                  |                    |   | 2b    |       |       |  |
| A3.4.4.2                                     | Rescue hoist components  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.4.5.                                      | Service/lubricate/inspect  |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A3.4.5.1                                     | Hoist  | 5                    |                          |              |                  |                  |                    |   | b     |       |       |  |
| A3.4.5.2                                     | Cargo hook   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.4.6.                                      | Troubleshoot   |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A3.4.6.1                                     | Hoist  | 7                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.4.6.2                                     | Cargo hook   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.4.6.3                                     | Heating and ventilating  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.4.6.4                                     | Fire detection   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.4.6.5                                     | Windshield wiper   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.4.6.6                                     | Windshield anti-ice  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| <b>A3.5.</b>                                 | <b>FLIGHT CONTROL SYSTEMS</b>                                    |                      |                          |              |                  |                  |                    |   |       |       |       |  |
|  | <b>TR: 1H-60(H)G-2-5 series</b>                                  |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A3.5.1                                       | Rotor flight control system fundamentals                         |                      |                          |              |                  |                  |                    |   | A     |       |       |  |

## HH-60G QUALITATIVE REQUIREMENTS

| 1. Tasks, Knowledge And Technical References | 2. Tasks   |                      | 3. Certification For OJT |              |                  |                  |                    | 4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course |       |       |       |  |
|--|--|----------------------|--------------------------|--------------|------------------|------------------|--------------------|---|-------|-------|-------|--|
|  | Core/Cert ^  | Deployment 5 / SEI + | A                        | B            | C                | D                | E                  | A   | B     | C     | D     |  |
|  |  |                      | Tng Start                | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | 3-lvl   | 5-lvl | 7-lvl | 9-lvl |  |
| A3.5.2                                       | Perform operational check of flight control systems                      | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.5.3                                       | Perform operational check of the Automated Flight Controls system (AFCS) |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.5.4.                                      | Remove/install   |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A3.5.4.1                                     | Control rods   | 5                    |                          |              |                  |                  |                    |   | 2b    |       |       |  |
| A3.5.4.2                                     | Idlers and bellcranks  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.5.4.3                                     | Pulleys  |                      |                          |              |                  |                  |                    |   | 2b    |       |       |  |
| A3.5.4.4                                     | Control sticks   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.5.4.5                                     | Spring cylinder  |                      |                          |              |                  |                  |                    |   | a     |       |       |  |
| A3.5.4.6                                     | Cables   | 7                    |                          |              |                  |                  |                    |   | 2b    |       |       |  |
| A3.5.4.7                                     | Quadrants  |                      |                          |              |                  |                  |                    |   | a     |       |       |  |
| A3.5.4.8                                     | Balance springs  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.5.4.9                                     | Stabilator   | 5                    |                          |              |                  |                  |                    |   | 2b    |       |       |  |
| A3.5.4.10                                    | Stabilator bearings/bushings   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.5.4.11                                    | Stabilator actuator  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.5.4.12                                    | Electric trim servos   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.5.4.13                                    | Pitch trim assembly  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.5.4.14                                    | Bridge assemblies  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.5.4.15                                    | Yaw pedal adjuster and support bearings                                  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.5.4.16                                    | Collective friction collet blocks and friction lock                      |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.5.5.                                      | Rig  |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A3.5.5.1                                     | Fundamentals of flight control rigging                                   |                      |                          |              |                  |                  |                    |   | A     |       |       |  |
| A3.5.5.2                                     | Main rotor   | 7R                   |                          |              |                  |                  |                    |   | a     |       |       |  |
| A3.5.5.3                                     | Tail rotor   | 7R                   |                          |              |                  |                  |                    |   | a     |       |       |  |
| A3.5.6.                                      | Perform  |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A3.5.6.1                                     | Main rotor rig check   | 7                    |                          |              |                  |                  |                    |   | 2b    |       |       |  |
| A3.5.6.2                                     | Tail rotor rig check   | 7                    |                          |              |                  |                  |                    |   | 2b    |       |       |  |
| A3.5.7.                                      | Lubricate flight controls  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.5.8.                                      | Troubleshoot   |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A3.5.8.1                                     | Main rotor flight controls   | 7                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.5.8.2                                     | Tail rotor flight controls   | 7                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.5.9                                       | Test/inspect flight control hardware/bearings                            |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| <b>A3.6.</b>                                 | <b>HYDRAULIC SYSTEMS</b><br><b>TR: 1H-60(H)G-2-4 series TOs</b>          |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A3.6.1                                       | System operation   |                      |                          |              |                  |                  |                    |   | A     |       |       |  |
| A3.6.2.                                      | Perform operational checks   |                      |                          |              |                  |                  |                    |   |       |       |       |  |

## HH-60G QUALITATIVE REQUIREMENTS

| 1. Tasks, Knowledge And Technical References | 2. Tasks                                      |                      | 3. Certification For OJT |              |                  |                  |                    | 4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course |       |       |       |  |
|--|---|----------------------|--------------------------|--------------|------------------|------------------|--------------------|---|-------|-------|-------|--|
|  | Core/Cert ^                                   | Deployment 5 / SEI + | A                        | B            | C                | D                | E                  | A   | B     | C     | D     |  |
|  |   |                      | Tng Start                | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | 3-lvl   | 5-lvl | 7-lvl | 9-lvl |  |
| A3.6.2.1                                     | #1 and #2 hydraulic system                    | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.6.2.2                                     | Rotor brake                                   |                      |                          |              |                  |                  |                    |   | b     |       |       |  |
| A3.6.2.3                                     | Backup hydraulic system                       | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.6.2.4                                     | Pitch trim assembly                           |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.6.2.5                                     | Stability Augmentation System (SAS) actuators |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.6.3.                                      | Remove/install                                |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A3.6.3.1                                     | Quick disconnects and self- sealing couplings | 5                    |                          |              |                  |                  |                    |   | 2b    |       |       |  |
| A3.6.3.2                                     | Primary servos                                | 5                    |                          |              |                  |                  |                    |   | b     |       |       |  |
| A3.6.3.3                                     | Boost servos                                  | 5                    |                          |              |                  |                  |                    |   | 2b    |       |       |  |
| A3.6.3.4                                     | SAS actuators                                 |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.6.3.5                                     | Manifolds                                     |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.6.3.6                                     | Pump module                                   | 5                    |                          |              |                  |                  |                    |   | 2b    |       |       |  |
| A3.6.3.7                                     | Pilot assist module                           | 5                    |                          |              |                  |                  |                    |   | 2b    |       |       |  |
| A3.6.3.8                                     | Transfer module                               | 5                    |                          |              |                  |                  |                    |   | a     |       |       |  |
| A3.6.3.9                                     | Utility module                                |                      |                          |              |                  |                  |                    |   | a     |       |       |  |
| A3.6.3.10                                    | Filters                                       | 5                    |                          |              |                  |                  |                    |   | 2b    |       |       |  |
| A3.6.3.11                                    | Rotor brake system components                 |                      |                          |              |                  |                  |                    |   | 2b    |       |       |  |
| A3.6.3.12                                    | Tail rotor servo                              | 7                    |                          |              |                  |                  |                    |   | a     |       |       |  |
| A3.6.3.13                                    | Hydraulic tubing/hoses                        |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.6.3.14                                    | Pressure switches                             |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.6.3.15                                    | Auxiliary Power Unit (APU) accumulator        |                      |                          |              |                  |                  |                    |   | b     |       |       |  |
| A3.6.3.16                                    | Priority valve                                |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.6.4.                                      | Service                                       |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A3.6.4.1                                     | Reservoirs                                    | 5                    |                          |              |                  |                  |                    |   | a     |       |       |  |
| A3.6.4.2                                     | APU accumulator                               | 5                    |                          |              |                  |                  |                    |   | b     |       |       |  |
| A3.6.4.3                                     | Rotor brake system                            |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.6.5.                                      | Troubleshoot                                  |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A3.6.5.1                                     | #1 and #2 Hydraulic system                    |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.6.5.2                                     | Rotor brake                                   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.6.5.3                                     | Backup hydraulic system                       |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| <b>A3.7.</b>                                 | <b>POWER PLANT</b>                            |                      |                          |              |                  |                  |                    |   |       |       |       |  |
|  | <b>TR: 2J-T-700 series TOs</b>                |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A3.7.1                                       | Turbo shaft engine fundamentals               |                      |                          |              |                  |                  |                    |   | A     |       |       |  |
| A3.7.2                                       | Engine Sections                               |                      |                          |              |                  |                  |                    |   | A     |       |       |  |
| A3.7.3                                       | Ignition                                      |                      |                          |              |                  |                  |                    |   | A     |       |       |  |
| A3.7.4                                       | Fuel  |                      |                          |              |                  |                  |                    |   | A     |       |       |  |

## HH-60G 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 A   | Deployment 5 / SEI + | A                        | B            | C                | D                | E                  | A   | B     | C     | D     |
|  |   |                      | Tng Start                | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | 3-lvl   | 5-lvl | 7-lvl | 9-lvl |
| A3.7.5                                       | Oil   |                      |                          |              |                  |                  |                    | A   |       |       |       |
| A3.7.6                                       | Inlet particle separator system                                     |                      |                          |              |                  |                  |                    | A   |       |       |       |
| A3.7.7                                       | Inlet Guide Vane (IGV) actuating system                             |                      |                          |              |                  |                  |                    | A   |       |       |       |
| A3.7.8                                       | Anti-icing  |                      |                          |              |                  |                  |                    | A   |       |       |       |
| A3.7.9.                                      | Remove/install  |                      |                          |              |                  |                  |                    |   |       |       |       |
| A3.7.9.1                                     | Oil pressure switch   |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A3.7.9.2                                     | Ignition unit   |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A3.7.9.3                                     | Igniter plug  |                      |                          |              |                  |                  |                    | 2b  |       |       |       |
| A3.7.9.4                                     | Exhaust module Hover Infrared Suppression System (HIRSS) components |                      |                          |              |                  |                  |                    | a   |       |       |       |
| A3.7.9.5                                     | Chip detector   | 5                    |                          |              |                  |                  |                    | 2b  |       |       |       |
| A3.7.9.6                                     | Inlet particle separator  |                      |                          |              |                  |                  |                    | 2b  |       |       |       |
| A3.7.9.7                                     | Engine  | 7                    |                          |              |                  |                  |                    | 2b  |       |       |       |
| A3.7.9.8                                     | Engine inlet  | 5                    |                          |              |                  |                  |                    | 2b  |       |       |       |
| A3.7.9.9                                     | Inlet anti-ice valve  |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A3.7.9.10                                    | Anti-ice start bleed valve  |                      |                          |              |                  |                  |                    | a   |       |       |       |
| A3.7.9.11                                    | Filters and screens   |                      |                          |              |                  |                  |                    | 2b  |       |       |       |
| A3.7.9.12                                    | Engine starter  |                      |                          |              |                  |                  |                    | 2b  |       |       |       |
| A3.7.9.13                                    | Digital electronic control  |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A3.7.9.14                                    | Hydro mechanical unit   |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A3.7.9.15                                    | Rotary control inputs   | 7                    |                          |              |                  |                  |                    | a   |       |       |       |
| A3.7.9.16                                    | Overspeed and drain valve   |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A3.7.9.17                                    | Starter control valves  |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A3.7.9.18                                    | Crossbleed start valves   | 5                    |                          |              |                  |                  |                    | -   |       |       |       |
| A3.7.9.198                                   | Thermocouple harness  |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A3.7.9.20                                    | Engine electrical harnesses   |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A3.7.9.21                                    | Power available spindle cable                                       |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A3.7.9.22                                    | Load demand spindle cable   |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A3.7.10                                      | Service engine oil system   | 5                    |                          |              |                  |                  |                    | b   |       |       |       |
| A3.7.11                                      | Troubleshoot engine system  | 7                    |                          |              |                  |                  |                    | -   |       |       |       |
| A3.7.12                                      | Clean engine compressor   | 5                    |                          |              |                  |                  |                    | -   |       |       |       |
| A3.7.13                                      | Clean engine hot section  |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A3.7.14                                      | Rig engine controls   | 7                    |                          |              |                  |                  |                    | -   |       |       |       |
| A3.7.15                                      | Perform operational checks  |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A3.7.16                                      | Operate engine  |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A3.7.17                                      | Inspect engine Inlet  |                      |                          |              |                  |                  |                    | -   |       |       |       |

## HH-60G 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 v  | Deployment 5 / SEI + | A                        | B            | C                | D                | E                  | A   | B     | C     | D     |  |
|  |  |                      | Tng Start                | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | 3-lvl   | 5-lvl | 7-lvl | 9-lvl |  |
| A3.7.18                                      | Inspect engine exhaust   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| <b>A3.8.</b>                                 | <b>FUEL SYSTEM<br/>TR: 1H-60(H)G-2-4 series TOs, TO 00-25-172, and AIR FORCE CONSOLIDATED SAFETY INSTRUCTION, AFMAN 91-203</b> |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A3.8.1                                       | System fundamentals  |                      |                          |              |                  |                  |                    |   | A     |       |       |  |
| A3.8.2                                       | System components  |                      |                          |              |                  |                  |                    |   | A     |       |       |  |
| A3.8.3.                                      | Perform operational checks   |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A3.8.3.1                                     | Main   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.8.3.2                                     | Auxiliary  | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.8.3.3                                     | In-flight refueling system (IFR)   | 5                    |                          |              |                  |                  |                    |   | b     |       |       |  |
| A3.8.4                                       | Prime engines  | 7                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.8.5.                                      | Refuel helicopter  |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A3.8.5.1                                     | Refueling fundamentals   |                      |                          |              |                  |                  |                    |   | A     |       |       |  |
| A3.8.5.2.                                    | Pressure procedure   |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A3.8.5.2.1                                   | Perform as refuel team member  | 5                    |                          |              |                  |                  |                    |   | a     |       |       |  |
| A3.8.5.2.2                                   | Perform as refuel team supervisor  | 7                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.8.6.                                      | Defuel helicopter  |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A3.8.6.1                                     | Defuel fundamentals  |                      |                          |              |                  |                  |                    |   | A     |       |       |  |
| A3.8.6.2.                                    | Pressure procedure   |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A3.8.6.2.1                                   | Perform as defuel team member  | 5                    |                          |              |                  |                  |                    |   | a     |       |       |  |
| A3.8.6.2.2                                   | Perform as defuel team supervisor  | 7                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.8.6.3.                                    | Gravity procedure  |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A3.8.6.3.1                                   | Perform as defuel team member  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.8.6.3.2                                   | Perform as defuel team supervisor  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.8.7                                       | Prepare helicopter for fuel cell maintenance<br>TR: TOs 00-25-172 and 1-1-3  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.8.8.                                      | Remove/install   |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A3.8.8.1                                     | 185 gal auxiliary tank(s)  | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.8.8.2                                     | 200 gal auxiliary tanks  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.8.8.3                                     | Transfer pump  |                      |                          |              |                  |                  |                    |   | b     |       |       |  |
| A3.8.8.4                                     | Dump pump  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.8.8.5                                     | Transfer valves  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.8.8.6                                     | Dump valves  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.8.8.7                                     | Prime boost pump   |                      |                          |              |                  |                  |                    |   | 2b    |       |       |  |
| A3.8.8.8                                     | Breakaway valves   |                      |                          |              |                  |                  |                    |   | a     |       |       |  |
| A3.8.8.9                                     | IFR probe  |                      |                          |              |                  |                  |                    |   | b     |       |       |  |

## HH-60G QUALITATIVE REQUIREMENTS

| 1. Tasks, Knowledge And Technical References | 2. Tasks   |                      | 3. Certification For OJT |              |                  |                  |                    | 4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course |       |       |       |  |
|--|--|----------------------|--------------------------|--------------|------------------|------------------|--------------------|---|-------|-------|-------|--|
|  | Core/Cert ^  | Deployment 5 / SEI + | A                        | B            | C                | D                | E                  | A   | B     | C     | D     |  |
|  |  |                      | Tng Start                | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | 3-lvl   | 5-lvl | 7-lvl | 9-lvl |  |
| A3.8.8.10                                    | IFR probe nozzle   | 5                    |                          |              |                  |                  |                    |   | 2b    |       |       |  |
| A3.8.8.11                                    | Probe management package   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.8.8.12                                    | Fuel management package  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.8.8.13                                    | Fuel shut-off valves   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.8.8.14                                    | Fuel selector valves   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.8.8.15                                    | Fuel probe lock actuators  |                      |                          |              |                  |                  |                    |   | a     |       |       |  |
| A3.8.9                                       | Troubleshoot fuel system   | 7                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.8.10                                      | Prepare IFR probe for air shipment/storage<br>TR: TO 6A18-5-3                  | 7R                   |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.8.11                                      | Disassemble/assemble A/R IFR probe   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| <b>A3.9.</b>                                 | <b>ELECTRICAL SYSTEMS</b><br><b>TR: 1H-60(H)G-2-4 series TOs</b>               |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A3.9.1                                       | System operation AC/DC   |                      |                          |              |                  |                  |                    |   | A     |       |       |  |
| A3.9.2.                                      | Perform operational checks   |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A3.9.2.1                                     | AC electrical power system   | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.9.2.2                                     | DC electrical power system   | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.9.2.3                                     | Interior light systems   | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.9.2.4                                     | Exterior light systems   | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.9.3.                                      | Remove/install   |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A3.9.3.1                                     | Battery  | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.9.3.2                                     | Generator  | 5                    |                          |              |                  |                  |                    |   | 2b    |       |       |  |
| A3.9.3.3                                     | Current limiter  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.9.3.4                                     | Converter  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.9.3.5                                     | Generator control unit   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.9.3.6                                     | Relay panels   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.9.3.7                                     | Interior lights  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.9.3.8                                     | Exterior lights  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.9.3.9                                     | APU Electrical Sequencing Unit (ESU)/Digital Electronic Sequencing Unit (DESU) |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.9.3.10                                    | Backup hydraulic pump motor  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.9.4                                       | Connect/disconnect external electrical power                                   | 5                    |                          |              |                  |                  |                    |   | b     |       |       |  |
| A3.9.5                                       | Troubleshoot electrical system   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| <b>A3.10.</b>                                | <b>TRANSMISSION AND DRIVE SYSTEMS</b><br><b>TR: 1H-60(H)G-2-4 series TOs</b>   |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A3.10.1                                      | System fundamentals  |                      |                          |              |                  |                  |                    |   | A     |       |       |  |
| A3.10.2                                      | Transmission oil system fundamentals   |                      |                          |              |                  |                  |                    |   | A     |       |       |  |
| A3.10.3                                      | Adjust transmission oil system   |                      |                          |              |                  |                  |                    |   | a     |       |       |  |

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| 1. Tasks, Knowledge And Technical References | 2. Tasks                                       |                      | 3. Certification For OJT |              |                  |                  |                    | 4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course |       |       |       |
|--|--|----------------------|--------------------------|--------------|------------------|------------------|--------------------|---|-------|-------|-------|
|  | Core/Cert ^                                    | Deployment 5 / SEI + | A                        | B            | C                | D                | E                  | A   | B     | C     | D     |
|  |  |                      | Tng Start                | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | 3-lvl   | 5-lvl | 7-lvl | 9-lvl |
| A3.10.4                                      | Align tail drive shafts                        |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A3.10.5                                      | Service transmission system                    | 5                    |                          |              |                  |                  |                    | b   |       |       |       |
| A3.10.6                                      | Service drive system                           |                      |                          |              |                  |                  |                    | a   |       |       |       |
| A3.10.7.                                     | Remove/install                                 |                      |                          |              |                  |                  |                    |   |       |       |       |
| A3.10.7.1                                    | Accessory module                               | 7                    |                          |              |                  |                  |                    | b   |       |       |       |
| A3.10.7.2                                    | Main module                                    | 7R                   |                          |              |                  |                  |                    | a   |       |       |       |
| A3.10.7.3                                    | Intermediate Gearbox (IGB)                     |                      |                          |              |                  |                  |                    | b   |       |       |       |
| A3.10.7.4                                    | Tail Gearbox (TGB)                             | 7                    |                          |              |                  |                  |                    | b   |       |       |       |
| A3.10.7.5                                    | Oil cooler and blower                          |                      |                          |              |                  |                  |                    | b   |       |       |       |
| A3.10.7.6                                    | Engine output drive shaft                      | 7                    |                          |              |                  |                  |                    | -   |       |       |       |
| A3.10.7.7                                    | Tail drive shaft                               | 5                    |                          |              |                  |                  |                    | 2b  |       |       |       |
| A3.10.7.8                                    | Viscous damper bearing assembly                |                      |                          |              |                  |                  |                    | a   |       |       |       |
| A3.10.7.9                                    | Chip detectors                                 | 5                    |                          |              |                  |                  |                    | 2b  |       |       |       |
| A3.10.7.10                                   | Main gearbox pump                              |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A3.10.7.11                                   | Main gearbox oil filter and screens            | 5                    |                          |              |                  |                  |                    | 2b  |       |       |       |
| A3.10.7.12                                   | Main gearbox pressure regulators               |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A3.10.7.13                                   | Input module                                   | 7                    |                          |              |                  |                  |                    | 2b  |       |       |       |
| A3.10.7.14                                   | Transmission seals                             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A3.10.7.15                                   | Gust lock                                      |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A3.10.7.16                                   | IGB/TGB sight gauges                           |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A3.10.8                                      | Troubleshoot transmission system               | 7                    |                          |              |                  |                  |                    | -   |       |       |       |
| <b>A3.11.</b>                                | <b>ROTOR SYSTEM</b>                            |                      |                          |              |                  |                  |                    |   |       |       |       |
|  | <b>TR: 1H-60(H)G-2-3 series TOs</b>            |                      |                          |              |                  |                  |                    |   |       |       |       |
| A3.11.1.                                     | Main rotor                                     |                      |                          |              |                  |                  |                    |   |       |       |       |
| A3.11.1.1                                    | System fundamentals                            |                      |                          |              |                  |                  |                    | A   |       |       |       |
| A3.11.1.2                                    | Blade Inspection Method (BIM) system operation |                      |                          |              |                  |                  |                    | A   |       |       |       |
| A3.11.1.3                                    | Blade deicing operation                        |                      |                          |              |                  |                  |                    | A   |       |       |       |
| A3.11.1.4.                                   | Remove/install                                 |                      |                          |              |                  |                  |                    |   |       |       |       |
| A3.11.1.4.1                                  | Rotor head                                     | 7                    |                          |              |                  |                  |                    | 2b  |       |       |       |
| A3.11.1.4.2                                  | Spindle  | 7                    |                          |              |                  |                  |                    | b   |       |       |       |
| A3.11.1.4.3                                  | Dampers  | 5                    |                          |              |                  |                  |                    | 2b  |       |       |       |
| A3.11.1.4.4                                  | Damper indicator                               | 5                    |                          |              |                  |                  |                    | -   |       |       |       |
| A3.11.1.4.5                                  | Damper bearings                                |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A3.11.1.4.6                                  | Pitch control rods                             | 5                    |                          |              |                  |                  |                    | 2b  |       |       |       |
| A3.11.1.4.7                                  | Pitch control rod end/bearings                 |                      |                          |              |                  |                  |                    | 2b  |       |       |       |
| A3.11.1.4.8                                  | Rotor blades                                   | 5                    |                          |              |                  |                  |                    | 2b  |       |       |       |
| A3.11.1.4.9                                  | Rotor blade tip caps                           | 5                    |                          |              |                  |                  |                    | -   |       |       |       |

## HH-60G QUALITATIVE REQUIREMENTS

| 1. Tasks, Knowledge And Technical References | 2. Tasks    |                      | 3. Certification For OJT |              |                  |                  |                    | 4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course |       |       |       |
|--|-------------|----------------------|--------------------------|--------------|------------------|------------------|--------------------|---|-------|-------|-------|
|  | Core/Cert ^ | Deployment 5 / SEI + | A                        | B            | C                | D                | E                  | A   | B     | C     | D     |
|  |             |                      | Tng Start                | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | 3-lvl   | 5-lvl | 7-lvl | 9-lvl |
| A3.11.1.4.10 Swashplate assembly             | 7           |                      |                          |              |                  |                  |                    | 2b  |       |       |       |
| A3.11.1.4.11 Swashplate bearings             |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A3.11.1.4.12 Shaft extension                 |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A3.11.1.4.13 Bifilar                         | 5           |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A3.11.1.4.14 Bifilar weights                 |             |                      |                          |              |                  |                  |                    | 2b  |       |       |       |
| A3.11.1.4.15 Elastomeric bearing             | 7           |                      |                          |              |                  |                  |                    | a   |       |       |       |
| A3.11.1.4.16 BIM indicator                   |             |                      |                          |              |                  |                  |                    | b   |       |       |       |
| A3.11.1.4.17 Blade de-ice components         | 5           |                      |                          |              |                  |                  |                    | 2b  |       |       |       |
| A3.11.1.4.18 Droop stop                      | 5           |                      |                          |              |                  |                  |                    | 2b  |       |       |       |
| A3.11.1.4.19 Flap stop                       | 5           |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A3.11.1.4.20 Lead stop                       |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A3.11.1.4.21 Pitch horn                      |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A3.11.1.4.22 Bifilar bushings                |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A3.11.1.4.23 Rotating scissors               |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A3.11.1.5 Perform pretrack adjustment        | 5           |                      |                          |              |                  |                  |                    | b   |       |       |       |
| A3.11.1.6 Perform autorotation adjustment    | 5           |                      |                          |              |                  |                  |                    | b   |       |       |       |
| A3.11.1.7 Service                            |             |                      |                          |              |                  |                  |                    |   |       |       |       |
| A3.11.1.7.1 Damper system                    | 5           |                      |                          |              |                  |                  |                    | b   |       |       |       |
| A3.11.1.7.2 Blades                           | 5           |                      |                          |              |                  |                  |                    | 2b  |       |       |       |
| A3.11.1.8 Lubricate system components        |             |                      |                          |              |                  |                  |                    | 2b  |       |       |       |
| A3.11.1.9 Troubleshoot main rotor system     | 7           |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A3.11.2 Tail rotor                           |             |                      |                          |              |                  |                  |                    |   |       |       |       |
| A3.11.2.1 System fundamentals                |             |                      |                          |              |                  |                  |                    | A   |       |       |       |
| A3.11.2.2 Tail rotor de-ice operation        |             |                      |                          |              |                  |                  |                    | A   |       |       |       |
| A3.11.2.3 Remove/install                     |             |                      |                          |              |                  |                  |                    |   |       |       |       |
| A3.11.2.3.1 Paddles                          | 5           |                      |                          |              |                  |                  |                    | 2b  |       |       |       |
| A3.11.2.3.2 Paddle dust boots                | 5           |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A3.11.2.3.3 Paddle pivot bearings            |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A3.11.2.3.4 Inner retention plate            | 7           |                      |                          |              |                  |                  |                    | 2b  |       |       |       |
| A3.11.2.3.5 Tail rotor de-ice components     |             |                      |                          |              |                  |                  |                    | b   |       |       |       |
| A3.11.2.3.6 Tail rotor pitch link            | 5           |                      |                          |              |                  |                  |                    | 2b  |       |       |       |
| A3.11.2.4 Troubleshoot tail rotor system     | 7           |                      |                          |              |                  |                  |                    | -   |       |       |       |
| <b>A3.12. INSTRUMENT SYSTEMS</b>             |             |                      |                          |              |                  |                  |                    |   |       |       |       |
| <b>TR: 1H-60(H)G-2-4 series TOs</b>          |             |                      |                          |              |                  |                  |                    |   |       |       |       |
| A3.12.1 Systems fundamentals                 |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A3.12.2 Remove/install instruments           |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A3.12.3 Drain pitot-static system            |             |                      |                          |              |                  |                  |                    | -   |       |       |       |



## HH-60G QUALITATIVE REQUIREMENTS

| 1. Tasks, Knowledge And Technical References | 2. Tasks   |                      | 3. Certification For OJT |              |                  |                  |                    | 4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course |       |       |       |  |
|--|--|----------------------|--------------------------|--------------|------------------|------------------|--------------------|---|-------|-------|-------|--|
|  | Core/Cert ^  | Deployment 5 / SEI + | A                        | B            | C                | D                | E                  | A   | B     | C     | D     |  |
|  |  |                      | Tng Start                | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | 3-lvl   | 5-lvl | 7-lvl | 9-lvl |  |
| A3.12.4                                      | Perform operational check of the instruments   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.12.5                                      | Remove and replace Signal Data Converter (SDC)   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.12.6                                      | Troubleshoot instruments   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| <b>A3.13.</b>                                | <b>AUXILIARY POWER UNIT<br/>TR: 1H-60(H)G-2-5 series TOs, TO 2G-T62T-61</b>                  |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A3.13.1                                      | APU fundamentals   |                      |                          |              |                  |                  |                    |   | A     |       |       |  |
| A3.13.2.                                     | Remove/install   |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A3.13.2.1                                    | Hydraulic starter  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.13.2.2                                    | APU assembly   |                      |                          |              |                  |                  |                    |   | 2b    |       |       |  |
| A3.13.2.3                                    | APU Igniter/spark plug   |                      |                          |              |                  |                  |                    |   | a     |       |       |  |
| A3.13.2.4                                    | APU start fuel nozzle  |                      |                          |              |                  |                  |                    |   | a     |       |       |  |
| A3.13.2.5                                    | APU generator  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.13.2.6                                    | APU ignition exciter   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.13.2.7                                    | APU exhaust pipe   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.13.2.8                                    | APU bleed air check valve  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.13.3                                      | Operate APU  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.13.4                                      | Service oil tank   | 5                    |                          |              |                  |                  |                    |   | a     |       |       |  |
| A3.13.5                                      | Troubleshoot APU system  | 7                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| <b>A3.14.</b>                                | <b>AIRCRAFT VIBRATIONS<br/>TR: 1H-60(H)G-2-15 series TOs</b>                                 |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A3.14.1                                      | Vibration fundamentals   |                      |                          |              |                  |                  |                    |   | A     |       |       |  |
| A3.14.2                                      | Adjust main rotor blades   | 5                    |                          |              |                  |                  |                    |   | b     |       |       |  |
| A3.14.3                                      | Measure/adjust trim tabs   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.14.4                                      | Use trim tab bender  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| <b>A3.15.</b>                                | <b>8500 EQUIPMENT<br/>TR: 1H-60(H)G-2-15 SERIES TOs</b>                                      |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A3.15.1                                      | Perform oil cooler vibration check   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.15.2                                      | Track and balance main rotor dynamically   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.15.3                                      | Balance engine output shaft  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.15.4                                      | Balance tail rotor dynamically   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.15.5                                      | Tune vibration absorbers   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.15.6                                      | Troubleshoot using 8500 analyzer   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.15.7                                      | 8500 equipment installation  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| <b>A3.16.</b>                                | <b>INTEGRATED VEHICLE HEALTH MONITORING SYSTEM (IVHMS)<br/>TR: 1H-60(H)G-2-15 SERIES TOs</b> |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A3.16.1                                      | IVHMS fundamentals   |                      |                          |              |                  |                  |                    |   | A     |       |       |  |
| A3.16.2                                      | Main rotor tuning  | 7                    |                          |              |                  |                  |                    |   | A     |       |       |  |

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|--|--|----------------------|--------------------------|--------------|------------------|------------------|--------------------|---|-------|-------|-------|--|
|  | Core/Cert ^                                      | Deployment 5 / SEI + | A                        | B            | C                | D                | E                  | A   | B     | C     | D     |  |
|  |  |                      | Tng Start                | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | 3-lvl   | 5-lvl | 7-lvl | 9-lvl |  |
| A3.16.3                                      | Main rotor smoothing                             | 7                    |                          |              |                  |                  |                    |   | A     |       |       |  |
| A3.16.4                                      | Balance  |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A3.16.4.1                                    | Tail rotor                                       | 7                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.16.4.2                                    | Engine input drive shaft                         | 7                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.16.5                                      | Perform driveshaft coefficient calibration       | 7                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.16.6                                      | Tune vibration absorbers                         | 7                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.16.7                                      | Perform mechanical diagnostics                   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.16.8                                      | Download IVHM Unit (IVHMU) data                  | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.16.9                                      | Perform sensor RAP test                          | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.16.10                                     | Configure system                                 | 7                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.16.11.                                    | Remove/install                                   |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A3.16.11.1                                   | Control display unit                             |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.16.11.2                                   | IVHMU  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.16.11.3                                   | Accelerometers and mounts/ brackets              | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.16.11.4                                   | Optical tracker and mounts/ brackets             | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.16.11.5                                   | Magnetic RPM sensors and mounts/brackets         | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.16.11.6                                   | Tail rotor interrupter and counterweight bracket | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.16.11.7                                   | Optical tachometer                               | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.16.11.8                                   | Remote Data Concentrator (RDC)                   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.16.11.9                                   | Pedal potentiometer                              |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.16.11.10                                  | Right-hand weight- on-wheels (RH WOW) relay      |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.16.11.11                                  | Thermocouple amplifier                           |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.16.11.12                                  | Junction box                                     |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.16.11.13                                  | Data Transfer Unit (DTU)                         |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.16.11.14                                  | Ethernet download port                           |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.16.11.15                                  | GPS switch                                       |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.16.12.                                    | Perform operational check IVHMS components       |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A3.16.12.1                                   | Control display unit                             |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.16.12.2                                   | IVHMU  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.16.12.3                                   | Accelerometers                                   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.16.12.4                                   | Magnetic RPM sensors                             |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.16.12.5                                   | Tail rotor interrupter                           |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.16.12.6                                   | Optical tachometer                               |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.16.12.7                                   | RDC  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.16.12.8                                   | Pedal potentiometer                              |                      |                          |              |                  |                  |                    |   | -     |       |       |  |

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|--|---|----------------------|--------------------------|--------------|------------------|------------------|--------------------|---|-------|-------|-------|--|
|  | Core/Cert ^   | Deployment 5 / SEI + | A                        | B            | C                | D                | E                  | A   | B     | C     | D     |  |
|  |   |                      | Tng Start                | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | 3-lvl   | 5-lvl | 7-lvl | 9-lvl |  |
| A3.16.12.9                                   | RH WOW relay  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.16.12.10                                  | Thermocouple amplifier  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.16.12.11                                  | Junction box  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.16.12.12                                  | DTU   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.16.12.13                                  | Ethernet download port  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.16.12.14                                  | GPS switch  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.16.13                                     | Perform IVHMU battery replacement   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.16.14                                     | Perform IVHMU underwater beacon battery replacement, cleaning and testing |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| <b>A3.17.</b>                                | <b>OPERATE IVHMS GROUND STATION</b>                                       |                      |                          |              |                  |                  |                    |   |       |       |       |  |
|  | <b>TR: 1H-60(H)G-2-15 SERIES TOs</b>                                      |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A3.17.1                                      | Initialize Data Transfer Memory Unit (DTMU) card                          | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.17.2                                      | Download DTMU card  | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.17.3                                      | Perform IVHMS pilot debrief   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.17.4                                      | Perform IVHMS maintenance debrief   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.17.5                                      | Perform rotor tuning procedures   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| <b>A3.18.</b>                                | <b>SUPPORT EQUIPMENT</b>  |                      |                          |              |                  |                  |                    |   |       |       |       |  |
|  | <b>TR: Applicable equipment TOs</b>                                       |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A3.18.1.                                     | Hydraulic test stand  |                      |                          |              |                  |                  |                    |   |       |       |       |  |
|  | TR: TO 39E series   |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A3.18.1.1                                    | Perform pre-use inspection and operate                                    |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.18.2.                                     | Aircraft tow bars   |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A3.18.2.1                                    | Purpose and description   |                      |                          |              |                  |                  |                    |   | A     |       |       |  |
| A3.18.2.2                                    | Perform pre-use inspection and operate                                    | 5                    |                          |              |                  |                  |                    |   | b     |       |       |  |
| A3.18.3.                                     | Hoisting equipment  |                      |                          |              |                  |                  |                    |   |       |       |       |  |
|  | TR: 35B5- series and 35D- series  |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A3.18.3.1                                    | Purpose and description   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.18.3.2                                    | Perform pre-use inspection and operate                                    |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.18.4.                                     | Universal trailer (3000)  |                      |                          |              |                  |                  |                    |   |       |       |       |  |
|  | TR: TOs 35B5- series and 35D- series                                      |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A3.18.4.1                                    | Purpose and description   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.18.4.2                                    | Perform pre-use inspection and operate                                    | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.18.4.3                                    | Maintain  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.18.5.                                     | Hydraulic servicing carts   |                      |                          |              |                  |                  |                    |   |       |       |       |  |
|  | TR: TO 35D5- series   |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A3.18.5.1                                    | Purpose and description   |                      |                          |              |                  |                  |                    |   | A     |       |       |  |
| A3.18.5.2                                    | Perform pre-use inspection and operate                                    | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.18.6.                                     | Engine wash cart  |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A3.18.6.1                                    | Purpose and description   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A3.18.6.2                                    | Perform pre-use inspection and operate                                    | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |

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## HH-60W QUALITATIVE REQUIREMENTS

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

NOTE 1: Use this attachment in conjunction with STS 2A5X2 Attachment 2.

NOTE 2: All task/knowledge taught in the initial skills course trained in the resident wartime courses.

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

NOTE 4: Task qualifications will be documented for the helicopter series being maintained. HH-60G 3-skill level course will transition to HH-60W requirements when resources are in place.

|             |   |   |  |  |  |  |  |  |    |  |  |  |  |
|-------------|---|---|--|--|--|--|--|--|----|--|--|--|--|
| <b>A4.1</b> | <b>AIRCRAFT GENERAL</b>   |   |  |  |  |  |  |  |    |  |  |  |  |
| A4.1.1      | ETool<br>TR: TO 00-5-1, 31S5-4-ETool-1,<br>and 1H-60(H)W-2-WA-2                           |   |  |  |  |  |  |  |    |  |  |  |  |
| A4.1.1.1    | Operate and use   |   |  |  |  |  |  |  |    |  |  |  |  |
| A4.1.1.2    | Interactive Electronic Technical Manual (IETM)  | 5 |  |  |  |  |  |  | 2b |  |  |  |  |
| A4.1.1.3    | Portable Electronic Maintenance Aid (PEMA)  | 5 |  |  |  |  |  |  | 2b |  |  |  |  |
| A4.1.1.4    | Sikorsky Ground Based Application (SGBA)  | 5 |  |  |  |  |  |  | 2b |  |  |  |  |
| A4.1.1.5    | Maintenance functions   |   |  |  |  |  |  |  |    |  |  |  |  |
| A4.1.1.6    | Debrief Description of function   |   |  |  |  |  |  |  | A  |  |  |  |  |
| A4.1.1.7    | Debrief Helicopter  |   |  |  |  |  |  |  | -  |  |  |  |  |
| A4.1.1.8    | Initialize Data Transfer Device (DTD)   | 5 |  |  |  |  |  |  | -  |  |  |  |  |
| A4.1.1.9    | Download Helicopter Flight Data   | 5 |  |  |  |  |  |  | -  |  |  |  |  |
| A4.1.2      | Aircraft and supporting maintenance records<br>TR: TO 00-20-1                             |   |  |  |  |  |  |  |    |  |  |  |  |
| A4.1.2.1    | Document AFTO Form 781H   | 5 |  |  |  |  |  |  | 2b |  |  |  |  |
| A4.1.2.2    | Document AFTO Form 781A   | 5 |  |  |  |  |  |  | 2b |  |  |  |  |
| A4.1.2.3    | Document AFTO Form 781J   | 5 |  |  |  |  |  |  | 2b |  |  |  |  |
| A4.1.2.4    | Document AFTO Form 781K   | 5 |  |  |  |  |  |  | 2b |  |  |  |  |
| A4.1.2.5    | Document AFTO Form 781F   | 5 |  |  |  |  |  |  | 2b |  |  |  |  |
| A4.1.2.6    | Document AFTO Form 350  | 5 |  |  |  |  |  |  | 2b |  |  |  |  |
| A4.1.2.7    | Document In Process Inspection (IPI)  | 5 |  |  |  |  |  |  | a  |  |  |  |  |
| A4.1.2.8    | Use Minimum Essential Subsystems List (MESL)  |   |  |  |  |  |  |  | -  |  |  |  |  |
| A4.1.3      | Tools<br>TR: AFI 21-101; TOs 1-1A-8, 1-1A-14, 1-1-691, TO 32 series, and 1H-60(H)W-2-WA-2 |   |  |  |  |  |  |  |    |  |  |  |  |
| A4.1.3.1    | Tool control  |   |  |  |  |  |  |  | B  |  |  |  |  |
| A4.1.3.2    | Digital propeller protractor  | 5 |  |  |  |  |  |  | 1b |  |  |  |  |
| A4.1.3.3    | Use dial indicator  | 5 |  |  |  |  |  |  | b  |  |  |  |  |
| A4.1.3.4    | Use spring scales   | 5 |  |  |  |  |  |  | -  |  |  |  |  |
| A4.1.3.5    | Use tensiometers  | 7 |  |  |  |  |  |  | 1b |  |  |  |  |
| A4.1.3.6    | Perform run-in torque/breakaway torque  |   |  |  |  |  |  |  | -  |  |  |  |  |

## HH-60W 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 |
| A4.1.3.7                                     | Use micrometers  |                      |                          |              |                  |                  |                    | 2b  |       |       |       |
| A4.1.3.8                                     | Use tire pressure gauges   |                      |                          |              |                  |                  |                    | 2b  |       |       |       |
| A4.1.3.9                                     | Use tire servicing kit   | 5                    |                          |              |                  |                  |                    | b   |       |       |       |
| A4.1.3.10                                    | Use trim tab bender  |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A4.1.3.11                                    | Hydraulic test stand<br>TR: TO 39E series  |                      |                          |              |                  |                  |                    |   |       |       |       |
| A4.1.3.11.1                                  | Purpose and description  |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A4.1.3.11.2                                  | Perform pre-use inspection and operate   |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A4.1.3.12                                    | Helicopter tow bars  |                      |                          |              |                  |                  |                    |   |       |       |       |
| A4.1.3.12.1                                  | Purpose and description  |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A4.1.3.12.2                                  | Perform pre-use inspection and operate   | 5                    |                          |              |                  |                  |                    | b   |       |       |       |
| A4.1.3.13                                    | Hoisting equipment<br>TR: 35B5- series and 35D- series   |                      |                          |              |                  |                  |                    |   |       |       |       |
| A4.1.3.13.1                                  | Purpose and description  |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A4.1.3.13.2                                  | Perform pre-use inspection and operate   |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A4.1.3.14                                    | Universal trailer (3000)<br>TR: TOs 35B5- series and 35D- series   |                      |                          |              |                  |                  |                    |   |       |       |       |
| A4.1.3.14.1                                  | Purpose and description  |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A4.1.3.14.2                                  | Perform pre-use inspection and operate   | 5                    |                          |              |                  |                  |                    | -   |       |       |       |
| A4.1.3.14.3                                  | Maintain   |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A4.1.3.15                                    | Hydraulic servicing carts<br>TR: TO 35D5- series   |                      |                          |              |                  |                  |                    |   |       |       |       |
| A4.1.3.15.1                                  | Purpose and description  |                      |                          |              |                  |                  |                    | A   |       |       |       |
| A4.1.3.15.2                                  | Perform pre-use inspection and operate   | 5                    |                          |              |                  |                  |                    | -   |       |       |       |
| A4.1.3.16                                    | Engine wash cart   |                      |                          |              |                  |                  |                    |   |       |       |       |
| A4.1.3.16.1                                  | Purpose and description  |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A4.1.3.16.2                                  | Perform pre-use inspection and operate   | 5                    |                          |              |                  |                  |                    | -   |       |       |       |
| A4.1.3.17                                    | Cooling cart   |                      |                          |              |                  |                  |                    |   |       |       |       |
| A4.1.3.17.1                                  | Purpose and description  |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A4.1.3.17.2                                  | Perform pre-use inspection and operate   | 5                    |                          |              |                  |                  |                    | -   |       |       |       |
| A4.1.4                                       | Perform ground handling<br>TR: AFMAN 11-218, Air Force Consolidated Safety Instruction, AFMAN 91-203, and 1H-60(H)W-2-WA-2 (DMCs HH60W-A-07, -09, -10) |                      |                          |              |                  |                  |                    |   |       |       |       |
| A4.1.4.1                                     | Principles of ground handling  |                      |                          |              |                  |                  |                    | A   |       |       |       |
| A4.1.4.2                                     | Helicopter/tiltrotor markings  |                      |                          |              |                  |                  |                    | A   |       |       |       |
| A4.1.4.3                                     | Launch/recover helicopter  | 5                    |                          |              |                  |                  |                    | -   |       |       |       |
| A4.1.4.4                                     | Tow helicopter   |                      |                          |              |                  |                  |                    |   |       |       |       |

## HH-60W 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 |  |
| A4.1.4.5                                     | Perform as tow team member  | 5                    |                          |              |                  |                  |                    |   | b     |       |       |  |
| A4.1.4.6                                     | Perform as tow brake operator   | 5                    |                          |              |                  |                  |                    |   | a     |       |       |  |
| A4.1.4.7                                     | Perform as tow vehicle operator   | 7R                   |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.1.4.8                                     | Perform as tow team supervisor  | 7                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.1.4.9                                     | Moor/tie down helicopter  | 5                    |                          |              |                  |                  |                    |   | a     |       |       |  |
| A4.1.4.10                                    | Jack helicopter   |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A4.1.4.10.1                                  | Perform as jacking team member  | 5                    |                          |              |                  |                  |                    |   | 1b    |       |       |  |
| A4.1.4.10.2                                  | Perform as jacking supervisor/level helicopter  | 7                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.1.5                                       | Air Shipment of Helicopters<br>TR: AFIs 24-201, 24-202; AFD 24-22; TO 00-85 series, 1C-5A-9-2, 1C-17A-9, 1-1B-50, JP 3-04.1, and 1H-60(H)W-2-WA-2 (DMCs HH60W-A-07) |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A4.1.5.1                                     | Perform   |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A4.1.5.1.1                                   | Transporting Helicopter - Loading/Unloading on Air Transport  | 7R                   |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.1.5.1.2                                   | Preparation of vehicle for transportation   | 7R                   |                          |              |                  |                  |                    |   | b     |       |       |  |
| A4.1.5.1.3                                   | Depreservation and reassembly   | 7R                   |                          |              |                  |                  |                    |   | b     |       |       |  |
| A4.1.6                                       | Special maintenance required due to environment (Salt Water & Cold WX)  |                      |                          |              |                  |                  |                    |   | A     |       |       |  |
| A4.1.7                                       | Special maintenance required during shipboard operations  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.1.8                                       | Wash Helicopter   | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.1.9                                       | Weigh Helicopter  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.2   | <b>SCHEDULED/UNSCHEDULED MAINTENANCE</b><br>TR: TOs 00-20-1, and 1H-60(H)W-2-WA-2 (DMC HH60W-A-05)  |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A4.2.1                                       | Phase inspection concept  |                      |                          |              |                  |                  |                    |   | A     |       |       |  |
| A4.2.2                                       | Perform inspections   |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A4.2.2.1                                     | Acceptance  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.2.2.2                                     | Calendar  | 7                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.2.2.3                                     | Special   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.2.2.4                                     | Hourly  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.2.2.5                                     | Conditional   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.2.2.6                                     | Preflight   | 5                    |                          |              |                  |                  |                    |   | 1b    |       |       |  |
| A4.2.2.7                                     | Post-flight   | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.2.3                                       | 40 hour   |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A4.2.3.1                                     | Zone 1  | 5                    |                          |              |                  |                  |                    |   | 1b    |       |       |  |
| A4.2.3.2                                     | Zone 2  | 5                    |                          |              |                  |                  |                    |   | 1b    |       |       |  |
| A4.2.3.3                                     | Zone 3  | 5                    |                          |              |                  |                  |                    |   | 1b    |       |       |  |

## HH-60W 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 |
| A4.2.3.4 Zone 4   | 5           |                      |                          |              |                  |                  |                    | 1b  |       |       |       |
| A4.2.3.5 Zone 5   | 5           |                      |                          |              |                  |                  |                    | 1b  |       |       |       |
| A4.2.3.6 Zone 6   | 5           |                      |                          |              |                  |                  |                    | 1b  |       |       |       |
| A4.2.4 120 hour   | 7           |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A4.2.5 240 hour   |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A4.2.6 360 hour   |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A4.2.7 480 hour   |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A4.2.8 720 hour phase   |             |                      |                          |              |                  |                  |                    |   |       |       |       |
| A4.2.8.1 Zone 1   |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A4.2.8.2 Zone 2   |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A4.2.8.3 Zone 3   |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A4.2.8.4 Zone 4   |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A4.2.8.5 Zone 5   |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A4.2.8.6 Zone 6   |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| <b>A4.3 AIRFRAME SYSTEMS</b><br><b>TR: TO 1-1A-8, 1-1A-14, 1-1-689-3,</b><br><b>and 1H-60(H)W-2-WA-2 (DMC</b><br><b>HH60W-A-06, HH60W-A-52)</b> |             |                      |                          |              |                  |                  |                    |   |       |       |       |
| A4.3.1 Airframe construction fundamentals   |             |                      |                          |              |                  |                  |                    | A   |       |       |       |
| A4.3.2 Remove/install   |             |                      |                          |              |                  |                  |                    |   |       |       |       |
| A4.3.2.1 Airframe components such as cowlings, panels, and doors  | 5           |                      |                          |              |                  |                  |                    | 2b  |       |       |       |
| A4.3.2.2 Antennas   |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A4.3.2.3 Windshield/windows   |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A4.3.2.4 Tail pylon   |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A4.3.2.5 Fold/Unfold pylon  |             |                      |                          |              |                  |                  |                    | b   |       |       |       |
| A4.3.2.6 Cockpit/cabin floors   |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A4.3.2.7 Upturned Exhaust System and Components   |             |                      |                          |              |                  |                  |                    | b   |       |       |       |
| A4.3.2.8 Door components  |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A4.3.2.9 Transition Section Shelves   |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A4.3.2.10 Stabilator components   |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| <b>A4.4 FUEL SYSTEM</b><br><b>TR: 00-25-172, 6A18-5-2, 1-1-3, and</b><br><b>1H-60(H)W-2-WA-2 (DMC</b><br><b>HH60W-A-12, -28)</b>                |             |                      |                          |              |                  |                  |                    |   |       |       |       |
| A4.4.1 Description of function  |             |                      |                          |              |                  |                  |                    | A   |       |       |       |
| A4.4.2 Perform Function Test  |             |                      |                          |              |                  |                  |                    |   |       |       |       |
| A4.4.2.1 Fuel system - Operation test   |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A4.4.2.2 In-flight refueling system (IFR)   | 5           |                      |                          |              |                  |                  |                    | b   |       |       |       |
| A4.4.2.3 Prime engines  | 7           |                      |                          |              |                  |                  |                    | -   |       |       |       |



## HH-60W 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                                       | Refuel helicopter   |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A4.4.3.1                                     | Description of function   |                      |                          |              |                  |                  |                    | A-  |       |       |       |  |
| A4.4.4                                       | Pressure procedure  |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A4.4.4.1                                     | Perform as refuel team member   | 5                    |                          |              |                  |                  |                    | b   |       |       |       |  |
| A4.4.4.2                                     | Perform as refuel team supervisor   | 7                    |                          |              |                  |                  |                    | -   |       |       |       |  |
| A4.4.5                                       | Gravity procedure   |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A4.4.5.1                                     | Perform as refuel team member   |                      |                          |              |                  |                  |                    | -   |       |       |       |  |
| A4.4.5.2                                     | Perform as refuel team supervisor   |                      |                          |              |                  |                  |                    | -   |       |       |       |  |
| A4.4.6                                       | Defuel helicopter   |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A4.4.6.1                                     | Description of function   |                      |                          |              |                  |                  |                    | A-  |       |       |       |  |
| A4.4.7                                       | Pressure procedure  |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A4.4.7.1                                     | Perform as defuel team member   | 5                    |                          |              |                  |                  |                    | b   |       |       |       |  |
| A4.4.7.2                                     | Perform as defuel team supervisor   | 7                    |                          |              |                  |                  |                    | -   |       |       |       |  |
| A4.4.8                                       | Gravity procedure   |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A4.4.8.1                                     | Perform as defuel team member   |                      |                          |              |                  |                  |                    | -   |       |       |       |  |
| A4.4.8.2                                     | Perform as defuel team supervisor   |                      |                          |              |                  |                  |                    | -   |       |       |       |  |
| A4.4.9                                       | Prepare helicopter for fuel cell maintenance  |                      |                          |              |                  |                  |                    | -   |       |       |       |  |
| A4.4.10                                      | Remove/install  |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A4.4.10.1                                    | Dump pump   |                      |                          |              |                  |                  |                    | -   |       |       |       |  |
| A4.4.10.2                                    | Dump valves   |                      |                          |              |                  |                  |                    | -   |       |       |       |  |
| A4.4.10.3                                    | Prime boost pump  |                      |                          |              |                  |                  |                    | -   |       |       |       |  |
| A4.4.10.4                                    | Breakaway valves  |                      |                          |              |                  |                  |                    | b   |       |       |       |  |
| A4.4.10.5                                    | IFR probe   |                      |                          |              |                  |                  |                    | b   |       |       |       |  |
| A4.4.10.6                                    | IFR probe nozzle  | 5                    |                          |              |                  |                  |                    | 2b  |       |       |       |  |
| A4.4.10.7                                    | Fuel management package   |                      |                          |              |                  |                  |                    | -   |       |       |       |  |
| A4.4.10.8                                    | Fuel shut-off valves  |                      |                          |              |                  |                  |                    | -   |       |       |       |  |
| A4.4.10.9                                    | Fuel selector valves  |                      |                          |              |                  |                  |                    | -   |       |       |       |  |
| A4.4.10.10                                   | Fuel probe lock actuators   |                      |                          |              |                  |                  |                    | a   |       |       |       |  |
| A4.4.11                                      | Fault Isolation   |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A4.4.11.1                                    | Fuel system   | 7                    |                          |              |                  |                  |                    | -   |       |       |       |  |
| A4.4.11.2                                    | Prepare IFR probe for air shipment/storage  | 7R                   |                          |              |                  |                  |                    | -   |       |       |       |  |
| A4.4.11.3                                    | Disassemble/assemble IFR probe  |                      |                          |              |                  |                  |                    | -   |       |       |       |  |
| <b>A4.5</b>                                  | <b>VIBRATION AND NOISE ANALYSIS AND ATTENUATION TR: 1H-60(H)W-2-WA-2 (DMC HH60W-A-18)</b> |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A4.5.1                                       | Description of function Integrated vehicle health management system (IVHMS)               |                      |                          |              |                  |                  |                    | A   |       |       |       |  |

## HH-60W QUALITATIVE REQUIREMENTS

| 1. Tasks, Knowledge And Technical References | 2. Tasks   |                      | 3. Certification For OJT |              |                  |                  |                    | 4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course |       |       |       |  |
|--|--|----------------------|--------------------------|--------------|------------------|------------------|--------------------|---|-------|-------|-------|--|
|  | Core/Cert ^  | Deployment 5 / SEI + | A                        | B            | C                | D                | E                  | A   | B     | C     | D     |  |
|  |  |                      | Tng Start                | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | 3-lvl   | 5-lvl | 7-lvl | 9-lvl |  |
| A4.5.2                                       | Description of function Vibration analysis instructions            |                      |                          |              |                  |                  |                    |   | A     |       |       |  |
| A4.5.3                                       | Description of function Active Vibration Control System (AVCS)     |                      |                          |              |                  |                  |                    |   | A     |       |       |  |
| A4.5.4                                       | Perform  |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A4.5.4.1                                     | Main rotor track and balance                                       | 7                    |                          |              |                  |                  |                    |   | b     |       |       |  |
| A4.5.4.2                                     | Main rotor smoothing   | 7                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.5.4.3                                     | Adjust Main rotor blades   | 5                    |                          |              |                  |                  |                    |   | b     |       |       |  |
| A4.5.4.4                                     | Measure/adjust trim tabs   | 7                    |                          |              |                  |                  |                    |   | b     |       |       |  |
| A4.5.4.5                                     | Perform autorotation adjustment                                    | 5                    |                          |              |                  |                  |                    |   | b     |       |       |  |
| A4.5.4.6                                     | Tail rotor track and balance                                       | 7                    |                          |              |                  |                  |                    |   | b     |       |       |  |
| A4.5.4.7                                     | Tail rotor smoothing   | 7                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.5.4.8                                     | Engine shaft assembly - Weight and Balance                         | 7                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.5.4.9                                     | Engine shaft assembly - coefficient calibration                    | 7                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.5.4.10                                    | Engine smoothing   | 7                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.5.4.11                                    | Oil Cooler vibration   | 7                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.5.4.12                                    | Perform rotor tuning procedures using Ground Based Application     |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.5.4.13                                    | IVHMS - Post operation   | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.5.4.14                                    | Configure system   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.5.5                                       | Perform Function Test  |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A4.5.5.1                                     | IVHMS  | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.5.6                                       | Remove/install   |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A4.5.6.1                                     | Active Vibration Control System components                         |                      |                          |              |                  |                  |                    |   | b     |       |       |  |
| A4.5.6.2                                     | IVHMS components   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.5.6.3                                     | Accelerometers and mounts/ brackets                                | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.5.6.4                                     | Optical tracker and mounts/ brackets                               | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.5.6.5                                     | Magnetic RPM sensors and mounts/brackets                           | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.5.6.6                                     | Tail rotor interrupter and counterweight bracket                   | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.5.6.7                                     | Engine High Speed shaft index sensor                               |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.5.6.8                                     | IVHMU battery  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| <b>A4.6</b>                                  | <b>ENVIRONMENTAL CONTROL TR: 1H-60(H)W-2-WA-2 (DMC HH60W-A-21)</b> |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A4.6.1                                       | Description of function  |                      |                          |              |                  |                  |                    |   | A     |       |       |  |
| A4.6.1.1                                     | Heating and ventilating system components                          |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A4.6.2.                                      | Perform Function Test  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.6.2.1                                     | Heating and ventilating  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |

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| 1. Tasks, Knowledge And Technical References | 2. Tasks   |                      | 3. Certification For OJT |              |                  |                  |                    | 4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course |       |       |       |  |
|--|--|----------------------|--------------------------|--------------|------------------|------------------|--------------------|---|-------|-------|-------|--|
|  | Core/Cert A  | 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 |  |
| A4.6.3                                       | Fault Isolation  |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A4.6.3.1                                     | Heating and ventilating  |                      |                          |              |                  |                  |                    | -   |       |       |       |  |
| <b>A4.7</b>                                  | <b>AUTO FLIGHT SYSTEMS<br/>TR: 1H-60(H)W-2-WA-2 (DMC<br/>HH60W-A-22)</b> |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A4.7.1                                       | Description of function  |                      |                          |              |                  |                  |                    | A   |       |       |       |  |
| A4.7.2                                       | Perform Function Test  |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A4.7.2.1                                     | Automatic Flight Controls system (AFCS)                                  |                      |                          |              |                  |                  |                    | -   |       |       |       |  |
| <b>A4.8</b>                                  | <b>COMMUNICATION<br/>TR: 1H-60(H)W-2-WA-2 (DMC<br/>HH60W-A-23)</b>       |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A4.8.1                                       | Use Communications Systems   |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A4.8.1.1                                     | Interphone   | 5                    |                          |              |                  |                  |                    | 2b  |       |       |       |  |
| A4.8.1.2                                     | COM-1  |                      |                          |              |                  |                  |                    | -   |       |       |       |  |
| A4.8.1.3                                     | COM-2  |                      |                          |              |                  |                  |                    | -   |       |       |       |  |
| A4.8.1.4                                     | COM-3  |                      |                          |              |                  |                  |                    | -   |       |       |       |  |
| A4.8.1.5                                     | COM-4  |                      |                          |              |                  |                  |                    | -   |       |       |       |  |
| A4.8.1.6                                     | COM-5  |                      |                          |              |                  |                  |                    | -   |       |       |       |  |
| A4.8.1.7                                     | Emergency Control Panel  |                      |                          |              |                  |                  |                    | A   |       |       |       |  |
| <b>A4.9</b>                                  | <b>ELECTRICAL SYSTEMS<br/>TR: 1H-60(H)W-2-WA-2 (DMC<br/>HH60W-A-24)</b>  |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A4.9.1                                       | Description of function of AC  |                      |                          |              |                  |                  |                    | A   |       |       |       |  |
| A4.9.2                                       | Description of function of DC  |                      |                          |              |                  |                  |                    | A   |       |       |       |  |
| A4.9.3                                       | Perform Function Test  |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A4.9.3.1                                     | AC electrical power system   | 5                    |                          |              |                  |                  |                    | -   |       |       |       |  |
| A4.9.3.2                                     | DC electrical power system   | 5                    |                          |              |                  |                  |                    | -   |       |       |       |  |
| A4.9.3.3                                     | Connect/disconnect external electrical power                             | 5                    |                          |              |                  |                  |                    | 2b  |       |       |       |  |
| A4.9.4                                       | Remove/install   |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A4.9.4.1                                     | Main Helicopter Batteries  | 5                    |                          |              |                  |                  |                    | -   |       |       |       |  |
| A4.9.4.2                                     | Generator  | 5                    |                          |              |                  |                  |                    | 2b  |       |       |       |  |
| A4.9.4.3                                     | Current limiter  |                      |                          |              |                  |                  |                    | -   |       |       |       |  |
| A4.9.4.4                                     | Converter  |                      |                          |              |                  |                  |                    | -   |       |       |       |  |
| A4.9.4.5                                     | Generator control unit   |                      |                          |              |                  |                  |                    | -   |       |       |       |  |
| A4.9.4.6                                     | Relay panels   |                      |                          |              |                  |                  |                    | -   |       |       |       |  |
| A4.9.4.7                                     | APU Electrical Sequencing Unit (ESU)                                     |                      |                          |              |                  |                  |                    | -   |       |       |       |  |
| A4.9.4.8                                     | Backup hydraulic pump motor  |                      |                          |              |                  |                  |                    | -   |       |       |       |  |
| A4.9.5                                       | Fault Isolation  |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A4.9.5.1                                     | AC electrical system   |                      |                          |              |                  |                  |                    | -   |       |       |       |  |

## HH-60W 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 A  | 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 |  |
| A4.9.5.2                                     | DC electrical system   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| <b>A4.10</b>                                 | <b>EQUIPMENT/FURNISHINGS</b><br><b>TR: 1H-60(H)W-2-WA-2 (DMC HH60W-A-25)</b> |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A4.10.1                                      | Description of function  |                      |                          |              |                  |                  |                    |   | A     |       |       |  |
| A4.10.2                                      | Emergency Locator Transmitter  |                      |                          |              |                  |                  |                    |   | A     |       |       |  |
| A4.10.3                                      | Isolated personnel stacking litter system (IPSL)                             |                      |                          |              |                  |                  |                    |   | B     |       |       |  |
| A4.10.4                                      | Hoist system   |                      |                          |              |                  |                  |                    |   | B     |       |       |  |
| A4.10.5                                      | Ballistic Protection system  |                      |                          |              |                  |                  |                    |   | A     |       |       |  |
| A4.10.6                                      | Perform Function Test  |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A4.10.6.1                                    | Hoist system   | 5                    |                          |              |                  |                  |                    |   | 1b    |       |       |  |
| A4.10.7                                      | Remove/install   |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A4.10.7.1                                    | Cockpit seats and components   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.10.7.2                                    | Pew-Pew Crew seats and components  | 5                    |                          |              |                  |                  |                    |   | 2b    |       |       |  |
| A4.10.7.3                                    | Recovery Team seats and components   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.10.7.4                                    | Isolated personnel stacking litter system (IPSL) and components              |                      |                          |              |                  |                  |                    |   | 2b    |       |       |  |
| A4.10.7.5                                    | Ballistic Protection system and components                                   |                      |                          |              |                  |                  |                    |   | b     |       |       |  |
| A4.10.7.6                                    | Rappelling rings   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.10.7.7                                    | Fast Rope Insertion Extraction System (FRIES) bar and components             | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.10.7.8                                    | Rescue Hoist Assembly  | 5                    |                          |              |                  |                  |                    |   | 1b    |       |       |  |
| A4.10.7.9                                    | Rescue Hoist components  |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A4.10.7.9.1                                  | Cable  | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.10.7.9.2                                  | Hook   | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.10.7.9.3                                  | Cable cutter   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.10.7.9.4                                  | Electric   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.10.7.9.5                                  | Mechanical   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.10.8                                      | Adjust   |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A4.10.8.1                                    | Rescue hoist components  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.10.9                                      | Clean/Service/Lubricate/Inspect  |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A4.10.9.1                                    | Hoist  | 5                    |                          |              |                  |                  |                    |   | b     |       |       |  |
| A4.10.10                                     | Fault Isolation  |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A4.10.10.1                                   | Hoist system   | 7                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| <b>A4.11</b>                                 | <b>FIRE PROTECTION</b><br><b>TR: 1H-60(H)W-2-WA-2 (DMC HH60W-A-26)</b>       |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A4.11.1                                      | Description of function  |                      |                          |              |                  |                  |                    |   | A     |       |       |  |
| A4.11.2.                                     | Perform Function Test  |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A4.11.2.1                                    | Fire detection   | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |

## HH-60W 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 |  |
| A4.11.3                                      | Remove/install   |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A4.11.3.1                                    | Fire detection system components   |                      |                          |              |                  |                  |                    | -   |       |       |       |  |
| A4.11.4                                      | Fault Isolation  |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A4.11.4.1                                    | Fire detection   |                      |                          |              |                  |                  |                    | -   |       |       |       |  |
| <b>A4.12</b>                                 | <b>FLIGHT CONTROLS</b><br><b>TR: 1H-60(H)W-2-WA-2 (DMC HH60W-A-27)</b>   |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A4.12.1                                      | Description of function  |                      |                          |              |                  |                  |                    | A   |       |       |       |  |
| A4.12.2                                      | Perform Function Test  |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A4.12.2.1                                    | Stabilator   |                      |                          |              |                  |                  |                    | -   |       |       |       |  |
| A4.12.3                                      | Remove/install   |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A4.12.3.1                                    | Stabilator   | 5                    |                          |              |                  |                  |                    | 2b  |       |       |       |  |
| A4.12.3.2                                    | Stabilator bearings/bushings   |                      |                          |              |                  |                  |                    | -   |       |       |       |  |
| A4.12.3.3                                    | Stabilator actuator  |                      |                          |              |                  |                  |                    | -   |       |       |       |  |
| <b>A4.13</b>                                 | <b>HYDRAULIC SYSTEMS</b><br><b>TR: 1H-60(H)W-2-WA-2 (DMC HH60W-A-29)</b> |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A4.13.1                                      | Description of function  |                      |                          |              |                  |                  |                    | A   |       |       |       |  |
| A4.13.2                                      | Perform Function Test  |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A4.13.2.1                                    | #1 and #2 hydraulic system   | 5                    |                          |              |                  |                  |                    | -   |       |       |       |  |
| A4.13.2.2                                    | Rotor brake  |                      |                          |              |                  |                  |                    | b   |       |       |       |  |
| A4.13.2.3                                    | Backup hydraulic system  | 5                    |                          |              |                  |                  |                    | -   |       |       |       |  |
| A4.13.3                                      | Remove/install   |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A4.13.3.1                                    | Quick disconnects and self- sealing couplings                            | 5                    |                          |              |                  |                  |                    | 2b  |       |       |       |  |
| A4.13.3.2                                    | Primary servos   | 5                    |                          |              |                  |                  |                    | b   |       |       |       |  |
| A4.13.3.3                                    | Boost servos   | 5                    |                          |              |                  |                  |                    | 2b  |       |       |       |  |
| A4.13.3.4                                    | Manifolds  |                      |                          |              |                  |                  |                    | -   |       |       |       |  |
| A4.13.3.5                                    | Pump module  | 5                    |                          |              |                  |                  |                    | 2b  |       |       |       |  |
| A4.13.3.6                                    | Pilot assist module  | 5                    |                          |              |                  |                  |                    | 2b  |       |       |       |  |
| A4.13.3.7                                    | Transfer module  | 5                    |                          |              |                  |                  |                    | a   |       |       |       |  |
| A4.13.3.8                                    | Utility module   |                      |                          |              |                  |                  |                    | a   |       |       |       |  |
| A4.13.3.9                                    | Filters  | 5                    |                          |              |                  |                  |                    | 2b  |       |       |       |  |
| A4.13.3.10                                   | Rotor brake system components  |                      |                          |              |                  |                  |                    | 2b  |       |       |       |  |
| A4.13.3.11                                   | Hydraulic tubing/hoses   |                      |                          |              |                  |                  |                    | -   |       |       |       |  |
| A4.13.3.12                                   | Pressure switches  |                      |                          |              |                  |                  |                    | -   |       |       |       |  |
| A4.13.4                                      | Service  |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A4.13.4.1                                    | Reservoirs   | 5                    |                          |              |                  |                  |                    | a   |       |       |       |  |
| A4.13.4.2                                    | Rotor brake system   |                      |                          |              |                  |                  |                    | -   |       |       |       |  |

## HH-60W 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 A  | 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 |  |  |
| A4.13.5                                      | Fault Isolation  |                      |                          |              |                  |                  |                    |   |       |       |       |  |  |
| A4.13.5.1                                    | #1 and #2 Hydraulic system   |                      |                          |              |                  |                  |                    | -   |       |       |       |  |  |
| A4.13.5.2                                    | Rotor brake  |                      |                          |              |                  |                  |                    | -   |       |       |       |  |  |
| A4.13.5.3                                    | Backup hydraulic system  |                      |                          |              |                  |                  |                    | -   |       |       |       |  |  |
| <b>A4.14</b>                                 | <b>ICE AND RAIN PROTECTION<br/>TR: 1H-60(H)W-2-WA-2 (DMC<br/>HH60W-A-30)</b>   |                      |                          |              |                  |                  |                    |   |       |       |       |  |  |
| A4.14.1                                      | Description of function  |                      |                          |              |                  |                  |                    | A   |       |       |       |  |  |
| A4.14.2                                      | Blade deicing Description of function  |                      |                          |              |                  |                  |                    | A   |       |       |       |  |  |
| A4.14.3                                      | Perform Function Test  |                      |                          |              |                  |                  |                    |   |       |       |       |  |  |
| A4.14.3.1                                    | Windshield wiper/washer system   | 5                    |                          |              |                  |                  |                    | a   |       |       |       |  |  |
| A4.14.3.2                                    | Windshield anti-ice  | 5                    |                          |              |                  |                  |                    | 1b  |       |       |       |  |  |
| A4.14.4                                      | Remove/install   |                      |                          |              |                  |                  |                    |   |       |       |       |  |  |
| A4.14.4.1                                    | Windshield wiper/washer system components  |                      |                          |              |                  |                  |                    | 2b  |       |       |       |  |  |
| A4.14.4.2                                    | Windshield anti-ice system components  |                      |                          |              |                  |                  |                    | a   |       |       |       |  |  |
| A4.14.4.3                                    | Main rotor de-ice components   | 5                    |                          |              |                  |                  |                    | 1b  |       |       |       |  |  |
| A4.14.4.4                                    | Tail rotor de-ice components   | 5                    |                          |              |                  |                  |                    | b   |       |       |       |  |  |
| A4.14.5                                      | Adjust   |                      |                          |              |                  |                  |                    |   |       |       |       |  |  |
| A4.14.5.1                                    | Windshield wiper arm   |                      |                          |              |                  |                  |                    | 2b  |       |       |       |  |  |
| A4.14.6                                      | Fault Isolation  |                      |                          |              |                  |                  |                    |   |       |       |       |  |  |
| A4.14.6.1                                    | Windshield wiper/washer  |                      |                          |              |                  |                  |                    | -   |       |       |       |  |  |
| A4.14.6.2                                    | Windshield anti-ice  |                      |                          |              |                  |                  |                    | -   |       |       |       |  |  |
| <b>A4.15</b>                                 | <b>INDICATING AND RECORDING<br/>SYSTEMS &amp; FLIGHT<br/>ENVIRONMENT DATA<br/>TR: 1H-60(H)W-2-WA-2 (DMC<br/>HH60W-A-31, -34)</b> |                      |                          |              |                  |                  |                    |   |       |       |       |  |  |
| A4.15.1                                      | Description of function  |                      |                          |              |                  |                  |                    | A   |       |       |       |  |  |
| A4.15.2                                      | Remove/install   |                      |                          |              |                  |                  |                    |   |       |       |       |  |  |
| A4.15.2.1                                    | Instruments  |                      |                          |              |                  |                  |                    | -   |       |       |       |  |  |
| A4.15.2.2                                    | Drain pitot-static system  |                      |                          |              |                  |                  |                    | -   |       |       |       |  |  |
| A4.15.3                                      | Perform Function Test  |                      |                          |              |                  |                  |                    |   |       |       |       |  |  |
| A4.15.3.1                                    | Perform function test of the Cockpit/Cabin Multi-Function Display System   | 5                    |                          |              |                  |                  |                    | a   |       |       |       |  |  |
| A4.15.3.2                                    | Perform function test of the Flight Management System  | 5                    |                          |              |                  |                  |                    | a   |       |       |       |  |  |
| A4.15.3.3                                    | Perform Flight Data Recorder (FDR) underwater beacon battery replacement, cleaning and testing                                   |                      |                          |              |                  |                  |                    | -   |       |       |       |  |  |
| A4.15.4                                      | Fault Isolation  |                      |                          |              |                  |                  |                    |   |       |       |       |  |  |
| A4.15.4.1                                    | Instruments  |                      |                          |              |                  |                  |                    | -   |       |       |       |  |  |

## HH-60W 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>A4.16 LANDING GEAR SYSTEMS</b><br><b>TR: 1H-60(H)W-2-WA-2 (DMC HH60W-A-32)</b> |             |                      |                          |              |                  |                  |                    |   |       |       |       |
| A4.16.1 Description of function   |             |                      |                          |              |                  |                  |                    | A   |       |       |       |
| A4.16.2 Perform function test   |             |                      |                          |              |                  |                  |                    |   |       |       |       |
| A4.16.2.1 Tail lock actuator  | 5           |                      |                          |              |                  |                  |                    | b   |       |       |       |
| A4.16.2.2 Brakes  | 5           |                      |                          |              |                  |                  |                    | a   |       |       |       |
| A4.16.3 Service/bleed   |             |                      |                          |              |                  |                  |                    |   |       |       |       |
| A4.16.3.1 Shock strut   | 5           |                      |                          |              |                  |                  |                    | 1b  |       |       |       |
| A4.16.3.2 Tires   | 5           |                      |                          |              |                  |                  |                    | 1b  |       |       |       |
| A4.16.3.3 Brakes  | 5           |                      |                          |              |                  |                  |                    | 1b  |       |       |       |
| A4.16.3.4 Adjust landing gear components  |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A4.16.4 Remove/Install MLG Components   |             |                      |                          |              |                  |                  |                    |   |       |       |       |
| A4.16.4.1 Main landing gear wheel and tire assembly                               | 5           |                      |                          |              |                  |                  |                    | 2b  |       |       |       |
| A4.16.4.2 Brake assembly  |             |                      |                          |              |                  |                  |                    | 2b  |       |       |       |
| A4.16.4.3 Brake system components   |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A4.16.4.4 Shock strut   | 7           |                      |                          |              |                  |                  |                    | b   |       |       |       |
| A4.16.4.5 Shock strut components  |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A4.16.4.6 Drag beam and components  |             |                      |                          |              |                  |                  |                    | b   |       |       |       |
| A4.16.4.7 Main landing gear skis and components                                   |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A4.16.5 Remove/Install TLG Components   |             |                      |                          |              |                  |                  |                    |   |       |       |       |
| A4.16.5.1 Tail landing gear wheel and tire assembly                               | 5           |                      |                          |              |                  |                  |                    | 2b  |       |       |       |
| A4.16.5.2 Shock strut   | 7           |                      |                          |              |                  |                  |                    | b   |       |       |       |
| A4.16.5.3 Shock strut components  |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A4.16.5.4 Tail landing gear yoke  | 5           |                      |                          |              |                  |                  |                    | b   |       |       |       |
| A4.16.5.5 Tail landing gear yoke components                                       |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A4.16.5.6 Tail lock actuator mechanism/pin  | 5           |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A4.16.5.7 Tail landing gear fork  | 5           |                      |                          |              |                  |                  |                    | 2b  |       |       |       |
| A4.16.5.8 Tail landing gear skis and components                                   |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A4.16.6 Fault Isolation   |             |                      |                          |              |                  |                  |                    |   |       |       |       |
| A4.16.6.1 Landing gear system   | 7           |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A4.16.6.2 Brake system  | 7           |                      |                          |              |                  |                  |                    | -   |       |       |       |
| <b>A4.17 LIGHTS</b><br><b>TR: 1H-60(H)W-2-WA-2 (DMC HH60W-A-33)</b>               |             |                      |                          |              |                  |                  |                    |   |       |       |       |
| A4.17.1 Description of function   |             |                      |                          |              |                  |                  |                    | A   |       |       |       |
| A4.17.2 Perform Function Test   |             |                      |                          |              |                  |                  |                    |   |       |       |       |
| A4.17.2.1 Interior light systems  | 5           |                      |                          |              |                  |                  |                    | -   |       |       |       |

## HH-60W 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 |  |
| A4.17.2.2                                    | Exterior light systems  | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.17.3                                      | Remove/install  |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A4.17.3.1                                    | Interior lights   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.17.3.2                                    | Exterior lights   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| <b>A4.18</b>                                 | <b>AIRBORNE AUXILIARY POWER TR: 2G-T62T-61, 1H-60(H)W-2-WA-2 (DMC HH60W-A-49)</b> |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A4.18.1                                      | Description of function   |                      |                          |              |                  |                  |                    |   | A     |       |       |  |
| A4.18.2                                      | Remove/install  |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A4.18.2.1                                    | Hydraulic starter   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.18.2.2                                    | APU assembly  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.18.2.3                                    | APU Igniter/spark plug  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.18.2.4                                    | APU start fuel nozzle   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.18.2.5                                    | APU generator   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.18.2.6                                    | APU ignition exciter  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.18.2.7                                    | APU exhaust pipe  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.18.2.8                                    | APU bleed air check valve   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.18.2.9                                    | Auxiliary Power Unit (APU) accumulator  |                      |                          |              |                  |                  |                    |   | b     |       |       |  |
| A4.18.3                                      | Perform Function Test   |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A4.18.3.1                                    | Operate APU   | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.18.4                                      | Service   |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A4.18.4.1                                    | APU oil tank  | 5                    |                          |              |                  |                  |                    |   | a     |       |       |  |
| A4.18.4.2                                    | APU accumulator   | 5                    |                          |              |                  |                  |                    |   | b     |       |       |  |
| A4.18.5                                      | Fault Isolation   |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A4.18.5.1                                    | Fault Isolation APU system  | 7                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| <b>A4.19</b>                                 | <b>CARGO AND ACCESSORY COMPARTMENT TR: 1H-60(H)W-2-WA-2 (DMC HH60W-A-50)</b>      |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A4.19.1                                      | Description of function   |                      |                          |              |                  |                  |                    |   | A     |       |       |  |
| A4.19.2                                      | Perform Function Test   |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A4.19.2.1                                    | Cargo hook  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.19.3                                      | Remove/install  |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A4.19.3.1                                    | Cargo hook and components   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.19.4                                      | Inspect   |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A4.19.4.1                                    | Cargo hook  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.19.5                                      | Fault Isolation   |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A4.19.5.1                                    | Cargo hook  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |



## HH-60W 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>A4.20 MAIN ROTOR</b><br><b>TR: 1H-60(H)W-2-WA-2 (DMC HH60W-A-62)</b>                      |             |                      |                          |              |                  |                  |                    |   |       |       |       |
| A4.20.1 Description of function  |             |                      |                          |              |                  |                  |                    | A   |       |       |       |
| A4.20.2 Remove/install   |             |                      |                          |              |                  |                  |                    |   |       |       |       |
| A4.20.2.1 Rotor head   | 7           |                      |                          |              |                  |                  |                    | 1b  |       |       |       |
| A4.20.2.2 Spindle  | 7           |                      |                          |              |                  |                  |                    | b   |       |       |       |
| A4.20.2.3 Dampers  | 5           |                      |                          |              |                  |                  |                    | 2b  |       |       |       |
| A4.20.2.4 Damper indicator   | 5           |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A4.20.2.5 Damper bearings  |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A4.20.2.6 Pitch control rods   | 5           |                      |                          |              |                  |                  |                    | 2b  |       |       |       |
| A4.20.2.7 Pitch control rod end/bearings   | 5           |                      |                          |              |                  |                  |                    | 2b  |       |       |       |
| A4.20.2.8 Rotor blades   | 5           |                      |                          |              |                  |                  |                    | 1b  |       |       |       |
| A4.20.2.9 Rotor blade tip caps   | 5           |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A4.20.2.10 Swashplate assembly   | 7           |                      |                          |              |                  |                  |                    | 1b  |       |       |       |
| A4.20.2.11 Swashplate bearings   |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A4.20.2.12 Shaft extension   |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A4.20.2.13 Bifilar   |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A4.20.2.14 Bifilar weights   | 5           |                      |                          |              |                  |                  |                    | 2b  |       |       |       |
| A4.20.2.15 Elastomeric bearing   | 7           |                      |                          |              |                  |                  |                    | a   |       |       |       |
| A4.20.2.16 Droop stop  | 5           |                      |                          |              |                  |                  |                    | 2b  |       |       |       |
| A4.20.2.17 Flap stop   |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A4.20.2.18 Lead stop   |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A4.20.2.19 Pitch horn  |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A4.20.2.20 Bifilar bushings  |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A4.20.2.21 Rotating scissors   |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A4.20.3 Perform pre-track adjustment   | 5           |                      |                          |              |                  |                  |                    | b   |       |       |       |
| A4.20.4 Service  |             |                      |                          |              |                  |                  |                    |   |       |       |       |
| A4.20.4.1 Damper system  | 5           |                      |                          |              |                  |                  |                    | b   |       |       |       |
| A4.20.4.2 Lubricate system components  |             |                      |                          |              |                  |                  |                    | 1b  |       |       |       |
| <b>A4.21 MAIN AND TAIL ROTOR DRIVES</b><br><b>TR: 1H-60(H)W-2-WA-2 (DMC HH60W-A-63, -65)</b> |             |                      |                          |              |                  |                  |                    |   |       |       |       |
| A4.21.1 Description of function  |             |                      |                          |              |                  |                  |                    | A   |       |       |       |
| A4.21.2 Adjust transmission oil system   |             |                      |                          |              |                  |                  |                    | a   |       |       |       |
| A4.21.3 Align tail drive shafts  |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A4.21.4 Service transmission system  | 5           |                      |                          |              |                  |                  |                    | a   |       |       |       |
| A4.21.5 Service drive system   |             |                      |                          |              |                  |                  |                    | a   |       |       |       |

## HH-60W 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 v   | 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 |  |  |
| A4.21.6                                      | Remove/install  |                      |                          |              |                  |                  |                    |   |       |       |       |  |  |
| A4.21.6.1                                    | Accessory module  | 7                    |                          |              |                  |                  |                    | b   |       |       |       |  |  |
| A4.21.6.2                                    | Main module   | 7R                   |                          |              |                  |                  |                    | a   |       |       |       |  |  |
| A4.21.6.3                                    | Intermediate Gearbox (IGB)  |                      |                          |              |                  |                  |                    | -   |       |       |       |  |  |
| A4.21.6.4                                    | Tail Gearbox (TGB)  | 7                    |                          |              |                  |                  |                    | b   |       |       |       |  |  |
| A4.21.6.5                                    | Oil cooler and blower   |                      |                          |              |                  |                  |                    | b   |       |       |       |  |  |
| A4.21.6.6                                    | Engine output drive shaft   | 7                    |                          |              |                  |                  |                    | -   |       |       |       |  |  |
| A4.21.6.7                                    | Tail drive shaft  | 5                    |                          |              |                  |                  |                    | 2b  |       |       |       |  |  |
| A4.21.6.8                                    | Viscous damper bearing assembly   |                      |                          |              |                  |                  |                    | a   |       |       |       |  |  |
| A4.21.6.9                                    | Chip detectors  | 5                    |                          |              |                  |                  |                    | 2b  |       |       |       |  |  |
| A4.21.6.10                                   | Main gearbox pump   |                      |                          |              |                  |                  |                    | -   |       |       |       |  |  |
| A4.21.6.11                                   | Main gearbox oil filter and screens   | 5                    |                          |              |                  |                  |                    | 2b  |       |       |       |  |  |
| A4.21.6.12                                   | Main gearbox pressure regulators  |                      |                          |              |                  |                  |                    | -   |       |       |       |  |  |
| A4.21.6.13                                   | Input module  | 7                    |                          |              |                  |                  |                    | 1b  |       |       |       |  |  |
| A4.21.6.14                                   | Transmission seals  |                      |                          |              |                  |                  |                    | -   |       |       |       |  |  |
| A4.21.6.15                                   | Gust lock   |                      |                          |              |                  |                  |                    | -   |       |       |       |  |  |
| A4.21.6.16                                   | IGB/TGB sight gauges  |                      |                          |              |                  |                  |                    | -   |       |       |       |  |  |
| A4.21.7                                      | Fault Isolation   |                      |                          |              |                  |                  |                    |   |       |       |       |  |  |
| A4.21.7.1                                    | Fault Isolation transmission system   | 7                    |                          |              |                  |                  |                    | -   |       |       |       |  |  |
| <b>A4.22</b>                                 | <b>TAIL ROTOR<br/>TR: 1H-60(H)W-2-WA-2 (DMC<br/>HH60W-A-64)</b>                       |                      |                          |              |                  |                  |                    |   |       |       |       |  |  |
| A4.22.1                                      | Description of function   |                      |                          |              |                  |                  |                    | A   |       |       |       |  |  |
| A4.22.2                                      | Remove/install  |                      |                          |              |                  |                  |                    |   |       |       |       |  |  |
| A4.22.2.1                                    | Paddles   | 5                    |                          |              |                  |                  |                    | 1b  |       |       |       |  |  |
| A4.22.2.2                                    | Paddle dust boots   | 5                    |                          |              |                  |                  |                    | -   |       |       |       |  |  |
| A4.22.2.3                                    | Paddle pivot bearings   |                      |                          |              |                  |                  |                    | -   |       |       |       |  |  |
| A4.22.2.4                                    | Inner retention plate   | 7                    |                          |              |                  |                  |                    | 1b  |       |       |       |  |  |
| A4.22.2.5                                    | Tail rotor pitch link   | 5                    |                          |              |                  |                  |                    | 2b  |       |       |       |  |  |
| <b>A4.23</b>                                 | <b>ROTOR FLIGHT CONTROL<br/>SYSTEMS<br/>TR: 1H-60(H)W-2-WA-2 (DMC<br/>HH60W-A-67)</b> |                      |                          |              |                  |                  |                    |   |       |       |       |  |  |
| A4.23.1                                      | Description of function   |                      |                          |              |                  |                  |                    | A   |       |       |       |  |  |
| A4.23.2                                      | Perform Function Test   |                      |                          |              |                  |                  |                    |   |       |       |       |  |  |
| A4.23.2.1                                    | Flight control systems  | 5                    |                          |              |                  |                  |                    | -   |       |       |       |  |  |
| A4.23.2.2                                    | Pitch trim assembly   |                      |                          |              |                  |                  |                    | -   |       |       |       |  |  |
| A4.23.2.3                                    | Stability Augmentation System (SAS) actuators   |                      |                          |              |                  |                  |                    | -   |       |       |       |  |  |
| A4.23.3                                      | Remove/install  |                      |                          |              |                  |                  |                    |   |       |       |       |  |  |

## HH-60W 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 |  |
| A4.23.3.1                                    | Control rods   | 5                    |                          |              |                  |                  |                    |   | 2b    |       |       |  |
| A4.23.3.2                                    | Idlers and bellcranks  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.23.3.3                                    | Pulleys  | 5                    |                          |              |                  |                  |                    |   | 2b    |       |       |  |
| A4.23.3.4                                    | Cyclic sticks  |                      |                          |              |                  |                  |                    |   | a     |       |       |  |
| A4.23.3.5                                    | Collective sticks  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.23.3.6                                    | Spring cylinder  |                      |                          |              |                  |                  |                    |   | a     |       |       |  |
| A4.23.3.7                                    | Cables   | 7                    |                          |              |                  |                  |                    |   | 1b    |       |       |  |
| A4.23.3.8                                    | Quadrants  |                      |                          |              |                  |                  |                    |   | a     |       |       |  |
| A4.23.3.9                                    | Balance springs  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.23.3.10                                   | Electric trim servos   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.23.3.11                                   | Pitch trim assembly  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.23.3.12                                   | SAS actuators  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.23.3.13                                   | Tail rotor servo   | 7                    |                          |              |                  |                  |                    |   | a     |       |       |  |
| A4.23.3.14                                   | Bridge assemblies  | 7                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.23.3.15                                   | Yaw pedal adjuster and support bearings  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.23.4                                      | Rigging  |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A4.23.4.1                                    | Description of function of flight control rigging  |                      |                          |              |                  |                  |                    |   | A     |       |       |  |
| A4.23.5                                      | Perform  |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A4.23.5.1                                    | Main rotor system rig  | 7R                   |                          |              |                  |                  |                    |   | 1b    |       |       |  |
| A4.23.5.2                                    | Main rotor system rig check  | 7                    |                          |              |                  |                  |                    |   | b     |       |       |  |
| A4.23.5.3                                    | Tail rotor system rig  | 7R                   |                          |              |                  |                  |                    |   | 1b    |       |       |  |
| A4.23.5.4                                    | Tail rotor system rig check  | 7                    |                          |              |                  |                  |                    |   | b     |       |       |  |
| A4.23.5.5                                    | Lubricate flight controls  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.23.6                                      | Fault Isolation  |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A4.23.6.1                                    | Main rotor flight controls   | 7                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.23.6.2                                    | Tail rotor flight controls   | 7                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.23.6.3                                    | Test/inspect flight control hardware/bearings  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| <b>A4.24</b>                                 | <b>POWER PLANT</b><br><b>TR: 2J-T-700 series; 1H-60(H)W-2-WA-2 (DMC HH60W-A-71, -72)</b> |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A4.24.1                                      | Description of function of Engine  |                      |                          |              |                  |                  |                    |   | A     |       |       |  |
| A4.24.1.1                                    | Engine Sections  |                      |                          |              |                  |                  |                    |   | A     |       |       |  |
| A4.24.1.2                                    | Ignition   |                      |                          |              |                  |                  |                    |   | A     |       |       |  |
| A4.24.1.3                                    | Fuel   |                      |                          |              |                  |                  |                    |   | A     |       |       |  |
| A4.24.1.4                                    | Oil  |                      |                          |              |                  |                  |                    |   | A     |       |       |  |
| A4.24.1.5                                    | Inlet particle separator system  |                      |                          |              |                  |                  |                    |   | A     |       |       |  |
| A4.24.1.6                                    | Inlet Guide Vane (IGV) actuating system  |                      |                          |              |                  |                  |                    |   | A     |       |       |  |

## HH-60W 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 |  |
| A4.24.1.7                                    | Anti-icing                                    |                      |                          |              |                  |                  |                    |   | A     |       |       |  |
| A4.24.1.8                                    | Inspect Engine inlet                          |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.24.1.9                                    | Inspect Engine Exhaust                        |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.24.2                                      | Perform Function Test                         |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A4.24.2.1                                    | Operate engine                                |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.24.3                                      | Remove/install                                |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A4.24.3.1                                    | Oil pressure switch                           |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.24.3.2                                    | Ignition unit                                 |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.24.3.3                                    | Igniter plug                                  | 5                    |                          |              |                  |                  |                    |   | 2b    |       |       |  |
| A4.24.3.4                                    | Chip detector                                 | 5                    |                          |              |                  |                  |                    |   | 2b    |       |       |  |
| A4.24.3.5                                    | Inlet particle separator                      |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.24.3.6                                    | Engine  | 7                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.24.3.7                                    | Engine inlet                                  | 5                    |                          |              |                  |                  |                    |   | 2b    |       |       |  |
| A4.24.3.8                                    | Inlet anti-ice valve                          |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.24.3.9                                    | Anti-ice start bleed valve                    |                      |                          |              |                  |                  |                    |   | a     |       |       |  |
| A4.24.3.10                                   | Filters and screens                           |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.24.3.11                                   | Engine starter                                |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.24.3.12                                   | Enhanced Digital Engine Control Unit (EDECUC) |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.24.3.13                                   | Hydro mechanical unit                         |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.24.3.14                                   | Rotary control inputs                         | 7                    |                          |              |                  |                  |                    |   | a     |       |       |  |
| A4.24.3.15                                   | Power available spindle cable                 |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.24.3.16                                   | Load demand spindle cable                     |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.24.3.17                                   | Over-speed and drain valve                    |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.24.3.18                                   | Starter control valves                        |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.24.3.19                                   | Crossbleed Start valves                       | 5                    |                          |              |                  |                  |                    |   | 2b    |       |       |  |
| A4.24.3.20                                   | Thermocouple harness                          |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.24.3.21                                   | Engine electrical harnesses                   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.24.4                                      | Service                                       |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A4.24.4.1                                    | Engine Oil                                    | 5                    |                          |              |                  |                  |                    |   | b     |       |       |  |
| A4.24.4.2                                    | Starter                                       | 5                    |                          |              |                  |                  |                    |   | b     |       |       |  |
| A4.24.4.3                                    | Clean engine compressor                       | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.24.4.4                                    | Clean engine hot section                      |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.24.5                                      | Fault Isolation                               |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A4.24.5.1                                    | Engine system                                 | 7                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A4.24.5.2                                    | Rig engine controls                           | 7                    |                          |              |                  |                  |                    |   | -     |       |       |  |

## CV-22 QUALITATIVE REQUIREMENTS

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

NOTE 1: Use this attachment in conjunction with STS 2A5X2 attachment 2.

NOTE 2: All task/knowledge taught in the initial skills course trained in the resident wartime courses.

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

|              |   |    |  |  |  |  |  |  |    |  |  |  |  |
|--------------|---|----|--|--|--|--|--|--|----|--|--|--|--|
| <b>A5.1.</b> | <b>AIRCRAFT GENERAL</b><br><b>TR: TO 00-20-1; Applicable</b><br><b>Interactive Electronic Technical</b><br><b>Manual (IETM)</b> |    |  |  |  |  |  |  |    |  |  |  |  |
| A5.1.1       | Perform safe for maintenance procedures   | 5  |  |  |  |  |  |  | 2b |  |  |  |  |
| A5.1.2       | Composite materials: maintenance, cleaning, and safety procedures   | 5  |  |  |  |  |  |  | B  |  |  |  |  |
| A5.1.3       | Directional Infrared Countermeasures (DIRCM) laser safety   |    |  |  |  |  |  |  | A  |  |  |  |  |
| A5.1.4       | Hazard areas  |    |  |  |  |  |  |  | B  |  |  |  |  |
| A5.1.4.1     | Inspection and use of active fall protection  |    |  |  |  |  |  |  | 2b |  |  |  |  |
| A5.1.5.      | System integration and display<br>TR: TO 1V-22 (C) B-2DB-1IETM  |    |  |  |  |  |  |  |    |  |  |  |  |
| A5.1.5.1     | Operational fundamentals  |    |  |  |  |  |  |  | A  |  |  |  |  |
| A5.1.5.2     | Operate cockpit management system   | 5  |  |  |  |  |  |  | 2b |  |  |  |  |
| A5.1.6.      | IETM and Portable Electronic Maintenance Aid (PEMA)   |    |  |  |  |  |  |  |    |  |  |  |  |
| A5.1.6.1     | Operating principles of IETM and PEMA   |    |  |  |  |  |  |  | B  |  |  |  |  |
| A5.1.6.2     | Operate and use IETM and PEMA   | 5  |  |  |  |  |  |  | 2b |  |  |  |  |
| A5.1.6.3     | Operate Electronic Wiring Schematic (EWS)   |    |  |  |  |  |  |  | -  |  |  |  |  |
| A5.1.7       | Inspect data bus cables   |    |  |  |  |  |  |  | -  |  |  |  |  |
| A5.1.8       | AMEGS /IAP Fundamentals   | 5  |  |  |  |  |  |  | A  |  |  |  |  |
| A5.1.8.1     | Operate AMEGS / IAP   |    |  |  |  |  |  |  | b  |  |  |  |  |
| A5.1.9       | Analyze ground station data   | 5  |  |  |  |  |  |  | -  |  |  |  |  |
| A5.1.10      | Initiate Technical Assist Request (TAR)   | 7R |  |  |  |  |  |  | -  |  |  |  |  |
| A5.1.11      | Utilize Virtual Technical Assistance Management Program (VTAMP)   |    |  |  |  |  |  |  | -  |  |  |  |  |
| A5.1.12      | Aircraft and supporting maintenance records   |    |  |  |  |  |  |  |    |  |  |  |  |
| A5.1.12.1    | Document AFTO Form 781H   | 5  |  |  |  |  |  |  | 2b |  |  |  |  |
| A5.1.12.2    | Document AFTO Form 781A   | 5  |  |  |  |  |  |  | 2b |  |  |  |  |
| A5.1.12.3    | Document AFTO Form 781J   | 5  |  |  |  |  |  |  | 2b |  |  |  |  |
| A5.1.12.4    | Document AFTO Form 781K   | 5  |  |  |  |  |  |  | 2b |  |  |  |  |
| A5.1.12.5    | Document AFTO Form 781F   | 5  |  |  |  |  |  |  | 2b |  |  |  |  |
| A5.1.12.6    | Document AFTO Form 350  | 5  |  |  |  |  |  |  | 2b |  |  |  |  |
| A5.1.12.7    | Document AFTO Form 244/245  |    |  |  |  |  |  |  | 2b |  |  |  |  |
| A5.1.12.8    | Use Minimum Essential Subsystems List (MESL)  |    |  |  |  |  |  |  | -  |  |  |  |  |
| A5.1.12.9    | Document In Process Inspection (IPI)  |    |  |  |  |  |  |  | 2b |  |  |  |  |
| A5.1.13      | Aircraft inspections  |    |  |  |  |  |  |  |    |  |  |  |  |

**CV-22 QUALITATIVE REQUIREMENTS**

| 1. Tasks, Knowledge And Technical References                                     | 2. Tasks    |                      | 3. Certification For OJT |              |                  |                  |                    | 4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course |       |       |       |  |
|--|-------------|----------------------|--------------------------|--------------|------------------|------------------|--------------------|---|-------|-------|-------|--|
|  | Core/Cert ^ | Deployment 5 / SEI + | A                        | B            | C                | D                | E                  | A   | B     | C     | D     |  |
|  |             |                      | Tng Start                | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | 3-lvl   | 5-lvl | 7-lvl | 9-lvl |  |
| TR: TO 00-20-1; applicable ITEMS   |             |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.1.13.1. Inspection concepts   |             |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.1.13.1.1 Phase  |             |                      |                          |              |                  |                  |                    | A   |       |       |       |  |
| A5.1.13.1.2 Preflight (PR)   |             |                      |                          |              |                  |                  |                    | B   |       |       |       |  |
| A5.1.13.1.3 Thruflight   |             |                      |                          |              |                  |                  |                    | B   |       |       |       |  |
| A5.1.13.1.4 Basic Postflight (BPO)   |             |                      |                          |              |                  |                  |                    | B   |       |       |       |  |
| A5.1.13.1.5 Combined BPO/PR  |             |                      |                          |              |                  |                  |                    | B   |       |       |       |  |
| A5.1.13.1.6 Hourly/cycle   |             |                      |                          |              |                  |                  |                    | A   |       |       |       |  |
| A5.1.13.1.7 JOAP   |             |                      |                          |              |                  |                  |                    | A   |       |       |       |  |
| A5.1.13.2 Supplemental inspections   |             |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.1.13.2.1 Acceptance   |             |                      |                          |              |                  |                  |                    | A   |       |       |       |  |
| A5.1.13.2.2 Calendar   |             |                      |                          |              |                  |                  |                    | A   |       |       |       |  |
| A5.1.13.2.3 Special/conditional  |             |                      |                          |              |                  |                  |                    | A   |       |       |       |  |
| A5.1.13.3 Perform  |             |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.1.13.3.1 Phase  |             |                      |                          |              |                  |                  |                    | -   |       |       |       |  |
| A5.1.13.3.2 Preflight  | 5           |                      |                          |              |                  |                  |                    | -   |       |       |       |  |
| A5.1.13.3.3 Thruflight   | 5           |                      |                          |              |                  |                  |                    | -   |       |       |       |  |
| A5.1.13.3.4 BPO  | 5           |                      |                          |              |                  |                  |                    | 2b  |       |       |       |  |
| A5.1.13.3.5 Combined BPO/PR  | 5           |                      |                          |              |                  |                  |                    | 2b  |       |       |       |  |
| A5.1.13.3.6 Acceptance   |             |                      |                          |              |                  |                  |                    | -   |       |       |       |  |
| A5.1.13.3.7 Calendar   |             |                      |                          |              |                  |                  |                    | -   |       |       |       |  |
| A5.1.13.3.8 Hourly/cycle   |             |                      |                          |              |                  |                  |                    | -   |       |       |       |  |
| A5.1.13.3.9 Special/Conditional  |             |                      |                          |              |                  |                  |                    | -   |       |       |       |  |
| A5.1.13.3.10 JOAP  | 5           |                      |                          |              |                  |                  |                    | a   |       |       |       |  |
| A5.1.14. Ground handling<br>TR: AFMAN 11-218; AFMAN91-203<br>and applicable IETM |             |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.1.14.1 Launch aircraft  | 5           |                      |                          |              |                  |                  |                    | -   |       |       |       |  |
| A5.1.14.2 Recover aircraft   | 5           |                      |                          |              |                  |                  |                    | -   |       |       |       |  |
| A5.1.14.3 Ingress/egress procedures  |             |                      |                          |              |                  |                  |                    | B   |       |       |       |  |
| A5.1.14.4. Tow aircraft  |             |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.1.14.4.1 Perform as tow team member   | 5           |                      |                          |              |                  |                  |                    | b   |       |       |       |  |
| A5.1.14.4.2 Perform as tow brake operator  | 5           |                      |                          |              |                  |                  |                    | b   |       |       |       |  |
| A5.1.14.4.3 Perform as tow vehicle operator                                      | 5R          |                      |                          |              |                  |                  |                    | -   |       |       |       |  |
| A5.1.14.4.4 Perform as tow team supervisor                                       | 7           |                      |                          |              |                  |                  |                    | -   |       |       |       |  |
| A5.1.14.5 Moor aircraft  | 5           |                      |                          |              |                  |                  |                    | 2b  |       |       |       |  |
| A5.1.14.6. Jack/lift aircraft  |             |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.1.14.6.1 Perform as jacking team member                                       | 5           |                      |                          |              |                  |                  |                    | b   |       |       |       |  |

## CV-22 QUALITATIVE REQUIREMENTS

| 1. Tasks, Knowledge And Technical References | 2. Tasks  |                      | 3. Certification For OJT |              |                  |                  |                    | 4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course |       |       |       |  |
|--|---|----------------------|--------------------------|--------------|------------------|------------------|--------------------|---|-------|-------|-------|--|
|  | Core/Cert ^   | Deployment 5 / SEL + | A                        | B            | C                | D                | E                  | A   | B     | C     | D     |  |
|  |   |                      | Tng Start                | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | 3-lvl   | 5-lvl | 7-lvl | 9-lvl |  |
| A5.1.14.6.2                                  | Perform as jacking supervisor   | 7                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.1.14.6.3                                  | Perform axle jack procedures  | 5                    |                          |              |                  |                  |                    |   | 2b    |       |       |  |
| A5.1.14.7                                    | Hoist aircraft  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.1.14.8.                                   | Perform refuel/defuel   |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.1.14.8.1                                  | Operate ground refuel/defuel panel  | 5                    |                          |              |                  |                  |                    |   | 1b    |       |       |  |
| A5.1.14.8.2                                  | Pressure refuel/defuel team member  | 5                    |                          |              |                  |                  |                    |   | b     |       |       |  |
| A5.1.14.8.3                                  | Fundamentals of ground refuel/defuel panel  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.1.14.8.4                                  | Fundamentals of refuel/ defuel team member  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.1.14.8.5                                  | Pressure refuel/defuel team supervisor  | 7                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.1.14.8.6                                  | Gravity refuel team member  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.1.14.8.7                                  | Gravity refuel team supervisor  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.1.14.9                                    | Perform Aircraft fuel sampling  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.1.14.10                                   | Perform Blade Fold Wing Stow (BFWS)   |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.1.14.10.1                                 | BFWS team member  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.1.14.10.2                                 | BFWS panel operator/supervisor  | 7R                   |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.1.14.10.3                                 | Perform manual nacelle conversion   |                      |                          |              |                  |                  |                    |   | b     |       |       |  |
| A5.1.15.                                     | Sea vessel transport  |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.1.15.1                                    | Perform pre-transport procedures  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.1.15.2                                    | Perform post-transport procedures   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.1.15.3                                    | Perform aircraft wash   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.1.16.                                     | Tools<br>TR: AFI 21-101; TOs 1-1-8, 1-1A-14, 1-1-691 and TO 32 series as applicable |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.1.16.1                                    | Use spring scales   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.1.16.2                                    | Use tensiometers  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.1.16.3                                    | Perform run-in torque/breakaway torque  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.1.16.4                                    | Use micrometers   |                      |                          |              |                  |                  |                    |   | 2b    |       |       |  |
| <b>A5.2.</b>                                 | <b>AIRFRAME</b>   |                      |                          |              |                  |                  |                    |   |       |       |       |  |
|  | <b>TR: Applicable IETM</b>  |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.2.1.                                      | Remove/install  |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.2.1.1.                                    | Flight and passenger crew compartment assemblies and components                     |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.2.1.1.1                                   | Pilot/co-pilot seat   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.2.1.1.2                                   | Flight engineer seat  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.2.1.1.3                                   | Seat restraint assemblies   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.2.1.1.4                                   | Panels  |                      |                          |              |                  |                  |                    |   | a     |       |       |  |
| A5.2.1.1.5                                   | Cabin seats   |                      |                          |              |                  |                  |                    |   | b     |       |       |  |
| A5.2.1.1.6                                   | Cabin equipment and furnishings   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.2.1.2.                                    | Windows, doors, and canopies  |                      |                          |              |                  |                  |                    |   |       |       |       |  |

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|  | Core/Cert ^                   | Deployment 5 / SEI + | A                        | B            | C                | D                | E                  | A   | B     | C     | D     |  |
|  |                               |                      | Tng Start                | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | 3-lvl   | 5-lvl | 7-lvl | 9-lvl |  |
| A5.2.1.2.1                                   | Windshields                   | 5                    |                          |              |                  |                  |                    |   | b     |       |       |  |
| A5.2.1.2.2                                   | Side windows                  |                      |                          |              |                  |                  |                    |   | b     |       |       |  |
| A5.2.1.2.3                                   | Chin windows                  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.2.1.2.4                                   | Overhead canopies             |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.2.1.2.5                                   | Crew steps and door           |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.2.1.2.6                                   | Cockpit door                  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.2.1.2.7                                   | Multi mode radar fairing      |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.2.1.2.8                                   | Cabin floor panels            | 5                    |                          |              |                  |                  |                    |   | a     |       |       |  |
| A5.2.1.3.                                    | Exterior                      |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.2.1.3.1                                   | Ramp assembly                 |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.2.1.3.2                                   | Ramp overhead door assembly   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.2.1.3.3                                   | Panels                        | 5                    |                          |              |                  |                  |                    |   | 2b    |       |       |  |
| A5.2.1.3.4                                   | Nacelle structures            |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.2.1.3.5                                   | Elevator                      |                      |                          |              |                  |                  |                    |   | b     |       |       |  |
| A5.2.1.3.6                                   | Rudder                        |                      |                          |              |                  |                  |                    |   | b     |       |       |  |
| A5.2.1.3.7                                   | Flaperons                     |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.2.1.3.8                                   | Nacelle link assemblies       |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| <b>A5.3.</b>                                 | <b>LANDING GEAR</b>           |                      |                          |              |                  |                  |                    |   |       |       |       |  |
|  | <b>TR: Applicable IETM</b>    |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.3.1                                       | Operational fundamentals      |                      |                          |              |                  |                  |                    |   | B     |       |       |  |
| A5.3.2                                       | Perform operational check     | 5                    |                          |              |                  |                  |                    |   | b     |       |       |  |
| A5.3.3                                       | Inspect components            | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.3.4                                       | Isolate malfunctions          |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.3.5.                                      | Main Landing Gear (MLG)       |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.3.5.1                                     | Rig and adjust MLG doors      |                      |                          |              |                  |                  |                    |   | b     |       |       |  |
| A5.3.5.2                                     | Lubricate MLG components      | 5                    |                          |              |                  |                  |                    |   | b     |       |       |  |
| A5.3.5.3                                     | Service/bleed MLG shock strut | 5                    |                          |              |                  |                  |                    |   | b     |       |       |  |
| A5.3.5.4.                                    | Remove/install                |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.3.5.4.1                                   | MLG shock strut               |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.3.5.4.2                                   | MLG drag strut                |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.3.5.4.3                                   | MLG doors                     |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.3.5.4.4                                   | MLG door linkage              |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.3.5.4.5                                   | MLG components                |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.3.6.                                      | Nose Landing Gear (NLG)       |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.3.6.1                                     | Rig and adjust NLG doors      |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.3.6.2                                     | Lubricate NLG components      | 5                    |                          |              |                  |                  |                    |   | b     |       |       |  |
| A5.3.6.3                                     | Service/bleed NLG shock strut | 5                    |                          |              |                  |                  |                    |   | b     |       |       |  |



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|   | Core/Cert ^ | Deployment 5 / SEI + | A                        | B            | C                | D                | E                  | A   | B     | C     | D     |
|   |             |                      | Tng Start                | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | 3-lvl   | 5-lvl | 7-lvl | 9-lvl |
| A5.3.6.4 Operate hike system                                  |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.3.6.5 Remove/Install                                       |             |                      |                          |              |                  |                  |                    |   |       |       |       |
| A5.3.6.5.1 NLG shock strut                                    |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.3.6.5.2 NLG drag strut                                     |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.3.6.5.3 NLG doors  |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.3.6.5.4 NLG door linkage                                   |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.3.6.5.5 NWS components                                     |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.3.6.5.6 Nose landing gear hike select valve                |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.3.6.5.7 Torque tube assembly                               | 5           |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.3.7. Nose Wheel Steering (NWS) system                      |             |                      |                          |              |                  |                  |                    |   |       |       |       |
| A5.3.7.1 Operational fundamentals                             |             |                      |                          |              |                  |                  |                    | B   |       |       |       |
| A5.3.7.2 Perform operational check                            |             |                      |                          |              |                  |                  |                    | b   |       |       |       |
| A5.3.7.3 Rig and adjust NWS                                   |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.3.7.4 Isolate NWS malfunctions                             |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.3.7.5 Remove/install nose landing gear power steering unit |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.3.7.6 Remove/install pressure reducer relief valve         |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.3.7.7 Bleed/leak check NWS system                          |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.3.8. Landing gear control and emergency extension system   |             |                      |                          |              |                  |                  |                    |   |       |       |       |
| A5.3.8.1 Perform operational check emergency extension system | 5           |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.3.8.2 Service emergency extension reservoir                | 5           |                      |                          |              |                  |                  |                    | b   |       |       |       |
| A5.3.8.3. Remove/install                                      |             |                      |                          |              |                  |                  |                    |   |       |       |       |
| A5.3.8.3.1 Emergency extension reservoir                      |             |                      |                          |              |                  |                  |                    | b   |       |       |       |
| A5.3.8.3.2 Landing gear control unit                          |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.3.8.3.3 Landing gear control valve                         |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.3.8.3.4 Emergency extension components                     |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.3.9. MLG brake system                                      |             |                      |                          |              |                  |                  |                    |   |       |       |       |
| A5.3.9.1 Operational fundamentals                             |             |                      |                          |              |                  |                  |                    | B   |       |       |       |
| A5.3.9.2 Perform back up brake system functional check        |             |                      |                          |              |                  |                  |                    | b   |       |       |       |
| A5.3.9.3 Inspect brake system components                      | 5           |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.3.9.4 Isolate system malfunctions                          |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.3.9.5 Service/bleed MLG brake system                       | 5           |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.3.9.6. Remove/install                                      |             |                      |                          |              |                  |                  |                    |   |       |       |       |
| A5.3.9.6.1 MLG brake assembly                                 | 5           |                      |                          |              |                  |                  |                    | 2b  |       |       |       |
| A5.3.9.6.2 Parking brake transfer module                      |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.3.9.6.3 Back-up brake components                           |             |                      |                          |              |                  |                  |                    | -   |       |       |       |

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|--|--|----------------------|--------------------------|--------------|------------------|------------------|--------------------|---|-------|-------|-------|--|
|  | Core/Cert ^                                | Deployment 5 / SEI + | A                        | B            | C                | D                | E                  | A   | B     | C     | D     |  |
|  |  |                      | Tng Start                | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | 3-lvl   | 5-lvl | 7-lvl | 9-lvl |  |
| A5.3.9.6.4                                   | Brake master cylinder                      |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.3.10.                                     | Wheel and tire assemblies                  |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.3.10.1                                    | Inspect MLG wheel and tire                 | 5                    |                          |              |                  |                  |                    |   | 2b    |       |       |  |
| A5.3.10.2                                    | Inspect NLG wheel and tire                 | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.3.10.3                                    | Service/de-service MLG tire                | 5                    |                          |              |                  |                  |                    |   | 2b    |       |       |  |
| A5.3.10.4                                    | Service/de-service NLG tire                | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.3.10.5                                    | Remove/install MLG wheel and tire assembly | 5                    |                          |              |                  |                  |                    |   | 2b    |       |       |  |
| A5.3.10.6                                    | Remove/install NLG wheel and tire assembly | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| <b>A5.4.</b>                                 | <b>UTILITY SYSTEMS</b>                     |                      |                          |              |                  |                  |                    |   |       |       |       |  |
|  | <b>TR: Applicable IETM</b>                 |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.4.1.                                      | Cargo winch                                |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.4.1.1                                     | Operational fundamentals                   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.4.1.2                                     | Perform operational check                  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.4.1.3                                     | Inspect cargo winch components             |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.4.1.4                                     | Service/drain cargo winch assembly         |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.4.1.5                                     | Isolate cargo winch malfunctions           |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.4.1.6.                                    | Remove/install                             |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.4.1.6.1                                   | Winch assembly                             |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.4.1.6.2                                   | Winch cable                                |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.4.1.6.3                                   | Hoist winch control valve                  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.4.1.6.4                                   | Cargo winch components                     |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.4.2.                                      | Cargo hook                                 |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.4.2.1                                     | Operational fundamentals                   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.4.2.2                                     | Perform operational check                  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.4.2.3                                     | Inspect cargo hook components              |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.4.2.4                                     | Rig/adjust cargo hook                      |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.4.2.5                                     | Isolate cargo hook malfunctions            |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.4.2.6                                     | Remove/install cargo hook assembly         |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.4.3.                                      | Rescue hoist                               |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.4.3.1                                     | Operational fundamentals                   |                      |                          |              |                  |                  |                    |   | B     |       |       |  |
| A5.4.3.2                                     | Perform operational check                  | 5                    |                          |              |                  |                  |                    |   | b     |       |       |  |
| A5.4.3.3                                     | Inspect rescue hoist                       | 5                    |                          |              |                  |                  |                    |   | b     |       |       |  |
| A5.4.3.4                                     | Isolate rescue hoist malfunctions          |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.4.3.5.                                    | Remove/install                             |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.4.3.5.1                                   | Rescue hoist assembly                      |                      |                          |              |                  |                  |                    |   | b     |       |       |  |
| A5.4.3.5.2                                   | Cable and hook assembly                    | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.4.4.                                      | Cargo ramp and door system                 |                      |                          |              |                  |                  |                    |   |       |       |       |  |

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|  |  |                      | Tng Start                | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | 3-lvl   | 5-lvl | 7-lvl | 9-lvl |  |
| A5.4.4.1                                     | Operational fundamentals               |                      |                          |              |                  |                  |                    |   | B     |       |       |  |
| A5.4.4.2                                     | Perform operational check              |                      |                          |              |                  |                  |                    |   | b     |       |       |  |
| A5.4.4.3                                     | Inspect system components              | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.4.4.4                                     | Rig/adjust ramp and door system        |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.4.4.5                                     | Isolate system malfunctions            |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.4.4.6.                                    | Remove/install                         |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.4.4.6.1                                   | Cargo ramp actuator                    |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.4.4.6.2                                   | Cargo door actuator                    |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.4.4.6.3                                   | Ramp/door control valve                |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.4.4.6.4                                   | Cargo ramp and door components         |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.4.5.                                      | Rotor brake system                     |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.4.5.1                                     | Operational fundamentals               |                      |                          |              |                  |                  |                    |   | B     |       |       |  |
| A5.4.5.2                                     | Inspect rotor brake assembly           |                      |                          |              |                  |                  |                    |   | b     |       |       |  |
| A5.4.5.3                                     | Bleed system                           |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.4.5.4                                     | Isolate system malfunctions            |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.4.5.5.                                    | Remove/install                         |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.4.5.5.1                                   | Brake shroud                           |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.4.5.5.2                                   | Brake head assembly                    |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.4.5.5.3                                   | Brake disk                             |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.4.5.5.4                                   | Rotor brake components                 |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| <b>A5.5.</b>                                 | <b>FLIGHT CONTROLS</b>                 |                      |                          |              |                  |                  |                    |   |       |       |       |  |
|  | <b>TR: Applicable IETM</b>             |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.5.1                                       | Operational fundamentals               |                      |                          |              |                  |                  |                    |   | B     |       |       |  |
| A5.5.2                                       | Tiltrotor flight control surfaces      |                      |                          |              |                  |                  |                    |   | B     |       |       |  |
| A5.5.3                                       | Tiltrotor theory of flight             |                      |                          |              |                  |                  |                    |   | B     |       |       |  |
| A5.5.4.                                      | Rig/adjust                             |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.5.4.1                                     | Elevator                               | 5R                   |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.5.4.2                                     | Flaperons                              | 5R                   |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.5.4.3                                     | Rudders                                | 5R                   |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.5.5                                       | Inspect system components              | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.5.6                                       | Perform operational check              |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.5.7                                       | Isolate malfunctions                   | 7                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.5.8.                                      | Remove/Install                         |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.5.8.1                                     | Thrust Control Lever (TCL)             |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.5.8.2                                     | Cyclic stick                           |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.5.8.3                                     | Interconnecting linkage and bellcranks |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.5.8.4                                     | Lateral mass balance weight            |                      |                          |              |                  |                  |                    |   | -     |       |       |  |

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|--|--|----------------------|--------------------------|--------------|------------------|------------------|--------------------|---|-------|-------|-------|--|
|  | Core/Cert ^  | Deployment 5 / SEI + | A                        | B            | C                | D                | E                  | A   | B     | C     | D     |  |
|  |  |                      | Tng Start                | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | 3-lvl   | 5-lvl | 7-lvl | 9-lvl |  |
| A5.5.8.5                                     | Yaw pedals   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.5.8.6                                     | Swashplate actuator  | 5                    |                          |              |                  |                  |                    |   | 1b    |       |       |  |
| A5.5.8.7                                     | Elevator actuator  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.5.8.8                                     | Rudder actuator  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.5.8.9                                     | Flaperon actuator  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| <b>A5.6.</b>                                 | <b>HYDRAULIC POWER SYSTEM AND HYDRAULICALLY ACTUATED SYSTEMS</b> |                      |                          |              |                  |                  |                    |   |       |       |       |  |
|  | <b>TR: Applicable IETM</b>                                       |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.6.1.                                      | Hydraulic power and control                                      |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.6.1.1                                     | Operational fundamentals   |                      |                          |              |                  |                  |                    |   | B     |       |       |  |
| A5.6.1.2                                     | Perform operational BIT check                                    | 5                    |                          |              |                  |                  |                    |   | 2b    |       |       |  |
| A5.6.1.3                                     | Perform hydraulic fluid sampling                                 |                      |                          |              |                  |                  |                    |   | b     |       |       |  |
| A5.6.1.4                                     | Perform bleed/leak hydraulic system                              | 5                    |                          |              |                  |                  |                    |   | b     |       |       |  |
| A5.6.1.5                                     | Service hydraulic system   | 5                    |                          |              |                  |                  |                    |   | 2b    |       |       |  |
| A5.6.1.6                                     | Inspect hydraulic system   | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.6.1.7                                     | Evaluate hydraulic tubing damage                                 | 5                    |                          |              |                  |                  |                    |   | b     |       |       |  |
| A5.6.1.8                                     | Isolate system malfunctions                                      | 7                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.6.1.9                                     | Repair tubing using rynglok kit                                  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.6.1.10                                    | Remove/install   |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.6.1.10.1                                  | Accumulators   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.6.1.10.2                                  | Case drain strainer  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.6.1.10.3                                  | Pump   | 5                    |                          |              |                  |                  |                    |   | b     |       |       |  |
| A5.6.1.10.4                                  | Hydraulic rosan fittings   |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.6.1.10.5                                  | Flight control module  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.6.1.10.6                                  | Local isolation valve  | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.6.1.10.7                                  | Remote isolation valve   | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.6.1.10.8                                  | Hydraulic plumbing   | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.6.1.10.9                                  | Hydraulic filter   | 5                    |                          |              |                  |                  |                    |   | 2b    |       |       |  |
| A5.6.1.10.10                                 | Thermal control valve  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.6.1.10.11                                 | Utility isolation valve  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.6.1.10.12                                 | Nacelle swivel assembly  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.6.1.10.13                                 | Wing swivel assembly   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.6.1.10.14                                 | Hydraulic fluid compensation module                              |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.6.1.10.15                                 | Electric maintenance pump  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.6.1.10.16                                 | Hydraulic fluid level monitor                                    |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.6.1.10.17                                 | Pressure switches  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.6.2.                                      | Flight control hydraulic components                              |                      |                          |              |                  |                  |                    |   |       |       |       |  |

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|--|-------------|----------------------|--------------------------|--------------|------------------|------------------|--------------------|---|-------|-------|-------|
|  | Core/Cert ^ | Deployment 5 / SEI + | A                        | B            | C                | D                | E                  | A   | B     | C     | D     |
|  |             |                      | Tng Start                | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | 3-lvl   | 5-lvl | 7-lvl | 9-lvl |
| A5.6.2.1. Remove/install   |             |                      |                          |              |                  |                  |                    |   |       |       |       |
| A5.6.2.1.1 Conversion actuator   | 5           |                      |                          |              |                  |                  |                    | b   |       |       |       |
| A5.6.2.1.2 Hydraulic power drive unit                                      | 5           |                      |                          |              |                  |                  |                    | b   |       |       |       |
| A5.6.2.1.3 Remote piston assembly  |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| <b>A5.7. ENGINE AND AUXILIARY POWER UNIT (APU)<br/>TR: Applicable IETM</b> |             |                      |                          |              |                  |                  |                    |   |       |       |       |
| A5.7.1. Engine assembly  |             |                      |                          |              |                  |                  |                    |   |       |       |       |
| A5.7.1.1 Constructional features   |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.7.1.2 Operational fundamentals  |             |                      |                          |              |                  |                  |                    | B   |       |       |       |
| A5.7.1.3 Isolate malfunctions  | 7           |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.7.1.4 Perform engine running rinse                                      | 5           |                      |                          |              |                  |                  |                    | b   |       |       |       |
| A5.7.1.5 Perform engine compressor wash                                    | 5           |                      |                          |              |                  |                  |                    | b   |       |       |       |
| A5.7.1.6 Perform engine pressure wash                                      | 5           |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.7.1.7 Perform engine concurrent wash                                    | 5           |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.7.1.8 Inspect engine/plumbing   | 5           |                      |                          |              |                  |                  |                    | a   |       |       |       |
| A3.7.1.8.1 Inspect engine Inlet  |             |                      |                          |              |                  |                  |                    |   |       |       |       |
| A3.7.1.8.2 Inspect engine exhaust  |             |                      |                          |              |                  |                  |                    |   |       |       |       |
| A5.7.1.9 Engine vibration analysis   |             |                      |                          |              |                  |                  |                    | A   |       |       |       |
| A5.7.1.10 Perform Engine Borescope   |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.7.1.11 Engine borescope procedures                                      |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.7.1.12 Perform cold section borescope                                   |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.7.1.13 Perform hot section borescope                                    |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.7.1.14. Remove/install  |             |                      |                          |              |                  |                  |                    |   |       |       |       |
| A5.7.1.14.1 Engine assembly  | 5R          |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.7.1.14.2 Engine mount links   |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.7.1.14.3 Engine gimbal ring   |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.7.1.14.4 Accessory gearbox  |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.7.2. Engine inlet and Engine Air Particle Separator (EAPS)              |             |                      |                          |              |                  |                  |                    |   |       |       |       |
| A5.7.2.1 Operational fundamentals  |             |                      |                          |              |                  |                  |                    | B   |       |       |       |
| A5.7.2.2 Inspect inlet section   | 5           |                      |                          |              |                  |                  |                    | b   |       |       |       |
| A5.7.2.3 Perform operational check EAPS                                    |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.7.2.4. Remove/install   |             |                      |                          |              |                  |                  |                    |   |       |       |       |
| A5.7.2.4.1 Upper body inlet assembly                                       |             |                      |                          |              |                  |                  |                    | b   |       |       |       |
| A5.7.2.4.2 Center body inlet assembly                                      |             |                      |                          |              |                  |                  |                    | b   |       |       |       |
| A5.7.2.4.3 Lower body inlet assembly                                       |             |                      |                          |              |                  |                  |                    | b   |       |       |       |
| A5.7.2.4.4 EAPS assembly   |             |                      |                          |              |                  |                  |                    | -   |       |       |       |

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|--|---|----------------------|--------------------------|--------------|------------------|------------------|--------------------|---|-------|-------|-------|--|
|  | Core/Cert ^                                   | Deployment 5 / SEI + | A                        | B            | C                | D                | E                  | A   | B     | C     | D     |  |
|  |   |                      | Tng Start                | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | 3-lvl   | 5-lvl | 7-lvl | 9-lvl |  |
| A5.7.2.4.5                                   | EAPS blower                                   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.7.2.4.6                                   | EAPS door and actuator                        |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.7.2.4.7                                   | EAPS/inlet components                         |                      |                          |              |                  |                  |                    |   | b     |       |       |  |
| A5.7.3.                                      | Engine indicating and control system          |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.7.3.1                                     | Operational fundamentals                      |                      |                          |              |                  |                  |                    |   | B     |       |       |  |
| A5.7.3.2                                     | Inspect system components                     | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.7.3.3.                                    | Remove/install                                |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.7.3.3.1                                   | Thermocouple                                  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.7.3.3.2                                   | Thermocouple harness                          |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.7.3.3.3                                   | Engine Monitoring System (EMS) harness        |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.7.3.3.4                                   | Torquemeter assembly                          |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.7.3.3.5                                   | Torquemeter sensor                            |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.7.3.3.6                                   | Inlet guide vane actuator                     |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.7.3.3.7                                   | Full Authority Digital Engine Control (FADEC) |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.7.3.3.8                                   | FADEC harness                                 |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.7.3.3.9                                   | Permanent Magnet Alternator (PMA)             |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.7.3.3.10                                  | Pressure sensors                              |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.7.3.3.11                                  | Speed sensor                                  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.7.3.3.12                                  | Temperature sensors                           |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.7.4.                                      | Engine fuel system                            |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.7.4.1                                     | Operational fundamentals                      |                      |                          |              |                  |                  |                    |   | B     |       |       |  |
| A5.7.4.2                                     | Inspect system components                     | 5                    |                          |              |                  |                  |                    |   | b     |       |       |  |
| A5.7.4.3.                                    | Remove/install                                |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.7.4.3.1                                   | Fuel Pump Metering Unit (FPMU)                |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.7.4.3.2                                   | Fuel nozzles                                  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.7.4.3.3                                   | Fuel mass flow sensor                         |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.7.4.3.4                                   | Fuel filter                                   | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.7.5.                                      | Engine ignition system                        |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.7.5.1                                     | Operational fundamentals                      |                      |                          |              |                  |                  |                    |   | B     |       |       |  |
| A5.7.5.2                                     | Perform operational check                     |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.7.5.3                                     | Inspect system components                     | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.7.5.4.                                    | Remove/install                                |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.7.5.4.1                                   | Ignition exciters                             |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.7.5.4.2                                   | Spark igniters                                |                      |                          |              |                  |                  |                    |   | 2b    |       |       |  |
| A5.7.6.                                      | Engine starting system                        |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.7.6.1                                     | Operational fundamentals                      |                      |                          |              |                  |                  |                    |   | B     |       |       |  |

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|  | Core/Cert ^   | Deployment 5 / SEI + | A                        | B            | C                | D                | E                  | A   | B     | C     | D     |  |
|  |   |                      | Tng Start                | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | 3-lvl   | 5-lvl | 7-lvl | 9-lvl |  |
| A5.7.6.2                                     | Perform operational check                             |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.7.6.3                                     | Inspect system components                             | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.7.6.4.                                    | Remove/install  |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.7.6.4.1                                   | Engine starter  |                      |                          |              |                  |                  |                    |   | 2b    |       |       |  |
| A5.7.6.4.2                                   | EAPS/start control valve                              |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.7.7.                                      | Engine bleed air and Infrared Suppressor System (IRS) |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.7.7.1                                     | Operational fundamentals                              |                      |                          |              |                  |                  |                    |   | B     |       |       |  |
| A5.7.7.2                                     | Perform operational check                             |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.7.7.3                                     | Inspect system components                             | 5                    |                          |              |                  |                  |                    |   | 1b    |       |       |  |
| A5.7.7.4                                     | Isolate system malfunctions                           |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.7.7.5.                                    | Remove/install  |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.7.7.5.1                                   | Anti-ice valve  | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.7.7.5.2                                   | IRS panels  | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.7.7.5.3                                   | IRS centerbody  | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.7.7.5.4                                   | Transition duct                                       | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.7.7.5.5                                   | Coanda deflector nozzle                               | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.7.7.5.6                                   | Coanda tubing   | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.7.7.5.7                                   | Coanda valve  | 5                    |                          |              |                  |                  |                    |   | 2b    |       |       |  |
| A5.7.7.5.8                                   | Acceleration Bleed Air Control (ABC) valve            | 5                    |                          |              |                  |                  |                    |   | 2b    |       |       |  |
| A5.7.7.5.9                                   | Tailpipe  | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.7.8.                                      | Engine oil system                                     |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.7.8.1                                     | Operational fundamentals                              |                      |                          |              |                  |                  |                    |   | B     |       |       |  |
| A5.7.8.2                                     | Perform operational check                             |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.7.8.3                                     | Service/drain engine oil                              | 5                    |                          |              |                  |                  |                    |   | b     |       |       |  |
| A5.7.8.4                                     | Inspect system components                             | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.7.8.5.                                    | Remove/install  |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.7.8.5.1                                   | Oil tank  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.7.8.5.2                                   | Oil pump  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.7.8.5.3                                   | Oil conditioning unit                                 |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.7.8.5.4                                   | Air/oil separator                                     |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.7.8.5.5                                   | Magnetic plug and debris sensor                       | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.7.8.5.6                                   | Oil filters   | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.7.9.                                      | APU   |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.7.9.1                                     | Operational fundamentals                              |                      |                          |              |                  |                  |                    |   | B     |       |       |  |
| A5.7.9.2                                     | Operate APU   | 5                    |                          |              |                  |                  |                    |   | b     |       |       |  |
| A5.7.9.3                                     | Service/drain APU                                     | 5                    |                          |              |                  |                  |                    |   | b     |       |       |  |

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| 1. Tasks, Knowledge And Technical References | 2. Tasks   |                      | 3. Certification For OJT |              |                  |                  |                    | 4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course |       |       |       |  |
|--|--|----------------------|--------------------------|--------------|------------------|------------------|--------------------|---|-------|-------|-------|--|
|  | Core/Cert ^  | Deployment 5 / SEI + | A                        | B            | C                | D                | E                  | A   | B     | C     | D     |  |
|  |  |                      | Tng Start                | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | 3-lvl   | 5-lvl | 7-lvl | 9-lvl |  |
| A5.7.9.4                                     | Inspect system components                                    | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.7.9.5                                     | Isolate malfunctions   | 7                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.7.9.6.                                    | Remove/install   |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.7.9.6.1                                   | APU  | 5R                   |                          |              |                  |                  |                    |   | 1b    |       |       |  |
| A5.7.9.6.2                                   | Mount tube assemblies  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.7.9.6.3                                   | Gimbal assembly  | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.7.9.6.4                                   | Tailpipe   | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.7.9.6.5                                   | Igniter  | 5                    |                          |              |                  |                  |                    |   | 2b    |       |       |  |
| A5.7.9.6.6                                   | Exciter  | 5                    |                          |              |                  |                  |                    |   | 2b    |       |       |  |
| A5.7.9.6.7                                   | Starter motor  | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.7.9.6.8                                   | Thermocouple   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.7.9.6.9                                   | Speed sensors  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.7.9.6.10                                  | Event monitor unit   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.7.9.6.11                                  | 400 Pounds per square inch, differential (PSID) relief valve |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.7.9.6.12                                  | Filters  | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.7.9.6.13                                  | Pressure switch  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.7.9.6.14                                  | Differential pressure valve                                  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.7.9.6.15                                  | Magnetic plug and chip detector                              | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.7.9.6.16                                  | APU oil cooler assemblies                                    |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.7.9.6.17                                  | APU fuel nozzles   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.7.9.6.18                                  | APU fuel control assembly                                    |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.7.9.6.19                                  | APU fuel block assembly                                      |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.7.9.6.20                                  | APU gearbox oil level switch                                 |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.7.9.6.21                                  | APU clutch servo valve assembly/filter                       |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.7.9.6.22                                  | Fuel manifold  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.7.9.6.23                                  | Oil temperature sensor                                       |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.7.9.6.24                                  | Pump unloading valve   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| <b>A5.8</b>                                  | <b>FUEL SYSTEM</b>   |                      |                          |              |                  |                  |                    |   |       |       |       |  |
|  | <b>TR: Applicable IETM</b>                                   |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.8.1                                       | Operational fundamentals                                     |                      |                          |              |                  |                  |                    |   | B     |       |       |  |
| A5.8.2                                       | Perform operational check                                    |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.8.3                                       | Inspect system components                                    | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.8.4                                       | Isolate malfunctions   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.8.5.                                      | Remove/install   |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.8.5.1                                     | Ground refuel/defuel panel                                   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.8.5.2                                     | Mission auxiliary tank                                       |                      |                          |              |                  |                  |                    |   | b     |       |       |  |
| A5.8.5.3                                     | Sponson boost pump   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |



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|--|--|----------------------|--------------------------|--------------|------------------|------------------|--------------------|---|-------|-------|-------|--|
|  | Core/Cert ^  | Deployment 5 / SEI + | A                        | B            | C                | D                | E                  | A   | B     | C     | D     |  |
|  |  |                      | Tng Start                | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | 3-lvl   | 5-lvl | 7-lvl | 9-lvl |  |
| A5.8.5.4                                     | Suction lift pump                                    |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.8.5.5                                     | Fuel lines   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.8.5.6                                     | Breakaway valve                                      |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.8.5.7                                     | Shutoff valve  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.8.6.                                      | in-flight refueling system                           |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.8.6.1                                     | Operational fundamentals                             |                      |                          |              |                  |                  |                    |   | B     |       |       |  |
| A5.8.6.2                                     | Perform operational check                            |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.8.6.3                                     | Inspect system components                            | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.8.6.4                                     | Isolate malfunctions                                 |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.8.6.5                                     | Remove/install                                       |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.8.6.5.1                                   | Probe assembly                                       |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.8.6.5.2                                   | Probe components                                     |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| <b>A5.9.</b>                                 | <b>AIRCRAFT ELECTRICAL AND ENVIRONMENTAL SYSTEMS</b> |                      |                          |              |                  |                  |                    |   |       |       |       |  |
|  | <b>TR: Applicable IETM</b>                           |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.9.1.                                      | Electrical power system                              |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.9.1.1                                     | Operational fundamentals                             |                      |                          |              |                  |                  |                    |   | A     |       |       |  |
| A5.9.1.2                                     | Connect/apply/disconnect external electrical power   | 5                    |                          |              |                  |                  |                    |   | 2b    |       |       |  |
| A5.9.1.3                                     | Inspect system components                            |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.9.1.4                                     | Perform operational check                            |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.9.1.5                                     | Service variable frequency generator                 | 5                    |                          |              |                  |                  |                    |   | b     |       |       |  |
| A5.9.1.6.                                    | Remove/install                                       |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.9.1.6.1                                   | Aircraft battery                                     |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.9.1.6.2                                   | Regulated converter                                  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.9.1.6.3                                   | Constant Frequency Generator (CFG)                   |                      |                          |              |                  |                  |                    |   | 1b    |       |       |  |
| A5.9.1.6.4                                   | Variable Frequency Generator (VFG)                   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.9.1.6.5                                   | VFG filter assembly                                  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.9.2.                                      | Lighting system                                      |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.9.2.1                                     | Operational fundamentals                             |                      |                          |              |                  |                  |                    |   | A     |       |       |  |
| A5.9.2.2                                     | Perform operational check                            |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.9.2.3                                     | Inspect system components                            | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.9.2.4                                     | Isolate system malfunctions                          |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.9.2.5.                                    | Remove/install                                       |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.9.2.5.1                                   | Interior lights                                      |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.9.2.5.2                                   | Exterior lights                                      |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.9.3.                                      | Fire protection, detection, and suppression systems  |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.9.3.1                                     | Operational fundamentals                             |                      |                          |              |                  |                  |                    |   | B     |       |       |  |

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|--|--|----------------------|--------------------------|--------------|------------------|------------------|--------------------|---|-------|-------|-------|--|
|  | Core/Cert ^  | Deployment 5 / SEI + | A                        | B            | C                | D                | E                  | A   | B     | C     | D     |  |
|  |  |                      | Tng Start                | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | 3-lvl   | 5-lvl | 7-lvl | 9-lvl |  |
| A5.9.3.2                                     | Inspect system components  | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.9.3.3                                     | Perform functional check   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.9.3.4                                     | Isolate system malfunctions  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.9.3.5                                     | Nacelle inboard and lower fire door assembly                             |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.9.3.6                                     | Service landing gear fire suppression system                             |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.9.4.                                      | Environmental Control System (ECS) and avionics cooling system           |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.9.4.1                                     | Operational fundamentals   |                      |                          |              |                  |                  |                    |   | A     |       |       |  |
| A5.9.4.2                                     | Inspect system components  | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.9.4.3                                     | Perform operational check  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.9.4.4                                     | Service/drain shaft driven compressor                                    | 5                    |                          |              |                  |                  |                    |   | b     |       |       |  |
| A5.9.4.5                                     | Isolate system malfunctions  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.9.4.6.                                    | Remove/install   |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.9.4.6.1                                   | Shaft driven compressor  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.9.4.6.2                                   | Oil filter   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.9.4.6.3                                   | Chip detector  | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.9.5.                                      | Airfoil ice detection and protection                                     |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.9.5.1                                     | Operational fundamentals   |                      |                          |              |                  |                  |                    |   | B     |       |       |  |
| A5.9.5.2                                     | Inspect system components  | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.9.5.3                                     | Perform operational check  |                      |                          |              |                  |                  |                    |   | b     |       |       |  |
| A5.9.5.4                                     | Isolate system malfunctions  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.9.5.5                                     | Remove/install wing leading edge de-ice panels                           |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.9.6.                                      | Windshield rain removal system   |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.9.6.1                                     | Operational fundamentals   |                      |                          |              |                  |                  |                    |   | B     |       |       |  |
| A5.9.6.2                                     | Perform operational check  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.9.6.3                                     | Inspect system components  | 5                    |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.9.6.4                                     | Rig/adjust windshield wipers   |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.9.6.5                                     | Isolate system malfunctions  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.9.6.6.                                    | Remove/install   |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.9.6.6.1                                   | Windshield wiper assembly  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.9.6.6.2                                   | Wiper converter  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.9.6.6.3                                   | Windshield washer reservoir  |                      |                          |              |                  |                  |                    |   | -     |       |       |  |
| A5.9.7.                                      | Oxygen (O2) and nitrogen (N2) systems<br>TR: Applicable IETM; TO 15X-1-1 |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.9.7.1                                     | Purpose and description of liquid O2 systems                             |                      |                          |              |                  |                  |                    |   | A     |       |       |  |
| A5.9.7.2                                     | Purpose and description of gaseous O2 systems                            |                      |                          |              |                  |                  |                    |   | A     |       |       |  |
| A5.9.7.3                                     | Purpose and description of gaseous N2                                    |                      |                          |              |                  |                  |                    |   | A     |       |       |  |

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|--|-------------|----------------------|--------------------------|--------------|------------------|------------------|--------------------|---|-------|-------|-------|
|  | Core/Cert ^ | Deployment 5 / SEI + | A                        | B            | C                | D                | E                  | A   | B     | C     | D     |
|  |             |                      | Tng Start                | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | 3-lvl   | 5-lvl | 7-lvl | 9-lvl |
| systems  |             |                      |                          |              |                  |                  |                    |   |       |       |       |
| A5.9.7.4 Operational fundamentals  |             |                      |                          |              |                  |                  |                    | B   |       |       |       |
| A5.9.7.5 Isolate system malfunctions   |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| <b>A5.10. PROPROTOR, DRIVE, AND GEARBOX SYSTEMS<br/>TR: Applicable IETM</b>                      |             |                      |                          |              |                  |                  |                    |   |       |       |       |
| A5.10.1. Proprotor system  |             |                      |                          |              |                  |                  |                    |   |       |       |       |
| A5.10.1.1 Operational fundamentals   |             |                      |                          |              |                  |                  |                    | B   |       |       |       |
| A5.10.1.2 Purpose and descriptions of Vibration Structural Life Engine Diagnostic (VSLED) system |             |                      |                          |              |                  |                  |                    | A   |       |       |       |
| A5.10.1.3 Perform track and balance using VSLED  | 5           |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.10.1.4 Inspect proprotor system components  | 5           |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.10.1.5 Isolate system malfunctions  | 7           |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.10.1.6. Remove/install  |             |                      |                          |              |                  |                  |                    |   |       |       |       |
| A5.10.1.6.1. Blades  |             |                      |                          |              |                  |                  |                    |   |       |       |       |
| A5.10.1.6.1.1 Proprotor blade  | 5           |                      |                          |              |                  |                  |                    | 1b  |       |       |       |
| A5.10.1.6.1.2 Proprotor blade weights  | 5           |                      |                          |              |                  |                  |                    | 2b  |       |       |       |
| A5.10.1.6.1.3 Optical blade tracker  | 5           |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.10.1.6.2. Spinner and pendulum damper assembly  |             |                      |                          |              |                  |                  |                    |   |       |       |       |
| A5.10.1.6.2.1 Spinner cover and panels   | 5           |                      |                          |              |                  |                  |                    | 2b  |       |       |       |
| A5.10.1.6.2.2 Pendulum damper assembly   | 5           |                      |                          |              |                  |                  |                    | 1b  |       |       |       |
| A5.10.1.6.2.3 Pendulum spindle   |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.10.1.6.2.4 Pendulum weight  |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.10.1.6.3. Proprotor hub assembly  |             |                      |                          |              |                  |                  |                    |   |       |       |       |
| A5.10.1.6.3.1 Proprotor hub  | 5           |                      |                          |              |                  |                  |                    | 1b  |       |       |       |
| A5.10.1.6.3.2 Blade/grip fairings  | 5           |                      |                          |              |                  |                  |                    | 2b  |       |       |       |
| A5.10.1.6.3.3 Shim blade/grip fairings   | 5           |                      |                          |              |                  |                  |                    | 2b  |       |       |       |
| A5.10.1.6.3.4 Central de-ice distributor   |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.10.1.6.3.5 Mast adapter   |             |                      |                          |              |                  |                  |                    | 2b  |       |       |       |
| A5.10.1.6.3.6 Hub springs  |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.10.1.6.3.7 Hub CF bearing   |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.10.1.6.3.8 Hub spindle assembly   |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.10.1.6.3.9 Hub beam assembly  |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.10.1.6.3.10 Hub beam pitch change bearing   |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.10.1.6.3.11 Hub grip assembly   | 5           |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.10.1.6.3.12 Hub pitch change horn   |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.10.1.6.3.13 Anti-drive assembly   | 5           |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.10.1.6.3.14 Swashplate  | 5           |                      |                          |              |                  |                  |                    | 1b  |       |       |       |

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|---|-------------|----------------------|--------------------------|--------------|------------------|------------------|--------------------|---|-------|-------|-------|
|   | Core/Cert ^ | Deployment 5 / SEI + | A                        | B            | C                | D                | E                  | A   | B     | C     | D     |
|   |             |                      | Tng Start                | Tng Complete | Trainee Initials | Trainer Initials | Certifier Initials | 3-lvl   | 5-lvl | 7-lvl | 9-lvl |
| A5.10.1.6.3.15 Pitch links                                    | 5           |                      |                          |              |                  |                  |                    | 2b  |       |       |       |
| A5.10.1.6.3.16 Pitch link rod ends                            | 5           |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.10.1.6.3.17 Hub flapping sensor                            |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.10.1.6.3.18 Slip ring / standpipe assembly                 |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.10.1.6.3.19 Rod end bearing                                |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.10.2. Blade Fold Wing Stow System (BFWS)                   |             |                      |                          |              |                  |                  |                    |   |       |       |       |
| A5.10.2.1. Blade fold   |             |                      |                          |              |                  |                  |                    |   |       |       |       |
| A5.10.2.1.1 Operational fundamentals                          |             |                      |                          |              |                  |                  |                    | B   |       |       |       |
| A5.10.2.1.2 Perform operational check                         | 7           |                      |                          |              |                  |                  |                    | 2b  |       |       |       |
| A5.10.2.1.3 Rig and adjust Proprotor Blade Fold (PRBF) system | 7           |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.10.2.1.4 Perform manual fold/unfold PRBF                   | 7           |                      |                          |              |                  |                  |                    | b   |       |       |       |
| A5.10.2.1.5 Perform manual nacelle conversion                 |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.10.2.1.6 Isolate system malfunctions                       | 7           |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.10.2.1.7. Remove/Install                                   |             |                      |                          |              |                  |                  |                    |   |       |       |       |
| A5.10.2.1.7.1 Rotor position unit                             |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.10.2.1.7.2 Trailing/leading edge planetary assembly        | 5           |                      |                          |              |                  |                  |                    | 2b  |       |       |       |
| A5.10.2.1.7.3 PRBF linkage                                    |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.10.2.1.7.4 Blade fold control unit                         |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.10.2.1.7.5 Blade fold support assembly                     |             |                      |                          |              |                  |                  |                    | b   |       |       |       |
| A5.10.2.2. Wing stow  |             |                      |                          |              |                  |                  |                    |   |       |       |       |
| A5.10.2.2.1 Operational fundamentals                          |             |                      |                          |              |                  |                  |                    | B   |       |       |       |
| A5.10.2.2.2 Perform operational check                         |             |                      |                          |              |                  |                  |                    | 2b  |       |       |       |
| A5.10.2.2.3 Inspect system components                         | 5           |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.10.2.2.4 Rig and adjust wing stow system                   | 7           |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.10.2.2.5 Rig and adjust lock pin safety flag indicator     |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.10.2.2.6 Perform manual stow/ unstow wing                  |             |                      |                          |              |                  |                  |                    | b   |       |       |       |
| A5.10.2.2.7 Isolate system malfunctions                       | 7           |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.10.2.2.8. Remove/install                                   |             |                      |                          |              |                  |                  |                    |   |       |       |       |
| A5.10.2.2.8.1 Wing lockpin actuator                           |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.10.2.2.8.2 Capstan drive assembly                          |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.10.2.2.8.3 Capstan drive hydraulic motor                   |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.10.2.2.8.4 Wing stow cable                                 |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.10.2.2.8.5 Wing lock indicator                             |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.10.2.2.8.6 Wing stow lockpin actuator control module       |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.10.2.2.8.7 Manual drive unit                               |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.10.2.2.8.8 Wing stow components                            |             |                      |                          |              |                  |                  |                    | -   |       |       |       |

**CV-22 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 |  |
| A5.10.3. Drive system                        |             |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.10.3.1 Operational fundamentals           |             |                      |                          |              |                  |                  |                    | B   |       |       |       |  |
| A5.10.3.2 Perform functional check           |             |                      |                          |              |                  |                  |                    | -   |       |       |       |  |
| A5.10.3.3 Inspect components                 | 5           |                      |                          |              |                  |                  |                    | -   |       |       |       |  |
| A5.10.3.4 Lubricate single/double couplings  |             |                      |                          |              |                  |                  |                    | b   |       |       |       |  |
| A5.10.3.5 Isolate system malfunctions        |             |                      |                          |              |                  |                  |                    | -   |       |       |       |  |
| A5.10.3.6 Adjust proprotor azimuth/ phase    |             |                      |                          |              |                  |                  |                    | -   |       |       |       |  |
| A5.10.3.7. Remove/install                    |             |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.10.3.7.1 Wing drive shafts                | 5           |                      |                          |              |                  |                  |                    | -   |       |       |       |  |
| A5.10.3.7.2 Spindle drive shaft              | 5           |                      |                          |              |                  |                  |                    | -   |       |       |       |  |
| A5.10.3.7.3 Pylon drive shaft                | 5           |                      |                          |              |                  |                  |                    | 1b  |       |       |       |  |
| A5.10.3.7.4 Blower drive shaft               | 5           |                      |                          |              |                  |                  |                    | -   |       |       |       |  |
| A5.10.3.7.5 Single/double couplings          | 5           |                      |                          |              |                  |                  |                    | -   |       |       |       |  |
| A5.10.3.7.6 Gearbox flexible couplings       | 5           |                      |                          |              |                  |                  |                    | -   |       |       |       |  |
| A5.10.3.7.7 Gearbox seals                    |             |                      |                          |              |                  |                  |                    | -   |       |       |       |  |
| A5.10.4. Proprotor Gearbox (PRGB)            |             |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.10.4.1 Operational fundamentals           |             |                      |                          |              |                  |                  |                    | B   |       |       |       |  |
| A5.10.4.2 Inspect PRGB                       | 5           |                      |                          |              |                  |                  |                    | -   |       |       |       |  |
| A5.10.4.3 Service/drain PRGB                 | 5           |                      |                          |              |                  |                  |                    | b   |       |       |       |  |
| A5.10.4.4 Isolate system malfunctions        |             |                      |                          |              |                  |                  |                    | -   |       |       |       |  |
| A5.10.4.5. Remove/install                    |             |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.10.4.5.1 PRGB                             | 7           |                      |                          |              |                  |                  |                    | -   |       |       |       |  |
| A5.10.4.5.2 Magnetic plug and debris sensor  | 5           |                      |                          |              |                  |                  |                    | b   |       |       |       |  |
| A5.10.4.5.3 Input quill assembly             |             |                      |                          |              |                  |                  |                    | -   |       |       |       |  |
| A5.10.4.5.4 Oil filter                       |             |                      |                          |              |                  |                  |                    | 2b  |       |       |       |  |
| A5.10.4.5.5 Temperature transducer           |             |                      |                          |              |                  |                  |                    | -   |       |       |       |  |
| A5.10.4.5.6 Nacelle blower                   | 5           |                      |                          |              |                  |                  |                    | 2b  |       |       |       |  |
| A5.10.4.5.7 Nacelle heat exchanger           | 7           |                      |                          |              |                  |                  |                    | -   |       |       |       |  |
| A5.10.4.5.8 Dump valve                       |             |                      |                          |              |                  |                  |                    | -   |       |       |       |  |
| A5.10.4.5.9 Nacelle blower pressure switch   |             |                      |                          |              |                  |                  |                    | -   |       |       |       |  |
| A5.10.4.5.10 Upper mast seal                 | 7           |                      |                          |              |                  |                  |                    | -   |       |       |       |  |
| A5.10.5. Tilt Axis Gearbox (TAGB)            |             |                      |                          |              |                  |                  |                    |   |       |       |       |  |
| A5.10.5.1 Operational fundamentals           |             |                      |                          |              |                  |                  |                    | B   |       |       |       |  |
| A5.10.5.2 Inspect TAGB                       | 5           |                      |                          |              |                  |                  |                    | -   |       |       |       |  |
| A5.10.5.3 Service/drain TAGB                 | 5           |                      |                          |              |                  |                  |                    | b   |       |       |       |  |
| A5.10.5.4 Isolate malfunctions               |             |                      |                          |              |                  |                  |                    | -   |       |       |       |  |
| A5.10.5.5. Remove/install                    |             |                      |                          |              |                  |                  |                    |   |       |       |       |  |

## CV-22 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 |
| A5.10.5.5.1 TAGB  |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.10.5.5.2 Magnetic plug and debris sensor   | 5           |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.10.5.5.3 Single/dual stage filters   |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.10.5.5.4 Lube and scavenge pump  |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.10.6. Midwing Gearbox (MWGB)   |             |                      |                          |              |                  |                  |                    |   |       |       |       |
| A5.10.6.1 Operational fundamentals  |             |                      |                          |              |                  |                  |                    | B   |       |       |       |
| A5.10.6.2 Perform operational check   |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.10.6.3 Inspect system components   | 5           |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.10.6.4 Service/drain MWGB  | 5           |                      |                          |              |                  |                  |                    | b   |       |       |       |
| A5.10.6.5 Isolate system malfunctions   |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.10.6.6. Remove/install   |             |                      |                          |              |                  |                  |                    |   |       |       |       |
| A5.10.6.6.1 MWGB  |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.10.6.6.2 Oil filter assembly   |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.10.6.6.3 Oil filters   |             |                      |                          |              |                  |                  |                    | 2b  |       |       |       |
| A5.10.6.6.4 Oil breather  |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.10.6.6.5 Oil manifold  |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.10.6.6.6 Oil cooler/fan assembly   |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.10.6.6.7 Oil pump  |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.10.6.6.8 Magnetic plug and debris sensor   | 5           |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.10.7. Emergency Lubrication System (ELS)   |             |                      |                          |              |                  |                  |                    |   |       |       |       |
| A5.10.7.1 Operational fundamentals  |             |                      |                          |              |                  |                  |                    | B   |       |       |       |
| A5.10.7.2 Perform operational check   | 7           |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.10.7.3 Service/drain reservoir   | 5           |                      |                          |              |                  |                  |                    | b   |       |       |       |
| A5.10.7.4 Inspect system components   | 5           |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.10.7.5 Remove/install reservoir  |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| <b>A5.11. SUPPORT EQUIPMENT<br/>TR: AFMAN 91-203; TOs 35A2<br/>Series AND 35A4 Series as Applicable<br/>and Applicable ITEM</b> |             |                      |                          |              |                  |                  |                    |   |       |       |       |
| A5.11.1 A/M32A-95 Gas turbine compressors   |             |                      |                          |              |                  |                  |                    |   |       |       |       |
| A5.11.1.1 Purpose and description   |             |                      |                          |              |                  |                  |                    | A   |       |       |       |
| A5.11.1.2 Preform pre-use inspection and operate  |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.11.2. Gaseous oxygen servicing equipment   |             |                      |                          |              |                  |                  |                    |   |       |       |       |
| A5.11.2.1 Purpose and description   |             |                      |                          |              |                  |                  |                    | A   |       |       |       |
| A5.11.2.2 Perform pre-use inspection and operate  |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.11.3. Diesel hydraulic test stand<br>TR: TO 39E series   |             |                      |                          |              |                  |                  |                    |   |       |       |       |
| A5.11.3.1 Perform pre-use inspection and operate  | 5           |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.11.4. Electric hydraulic test stand<br>TR: TO 39E series   |             |                      |                          |              |                  |                  |                    |   |       |       |       |

**CV-22 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 |
| A5.11.4.1 Purpose and description   |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.11.4.2 Perform pre-use inspection and operate                          |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.11.5. Engine wash cart   |             |                      |                          |              |                  |                  |                    |   |       |       |       |
| A5.11.5.1 Perform pre-use inspection and operate                          |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.11.6. Universal trailer (3000)<br>TR: TOs 35B5- series and 35D- series |             |                      |                          |              |                  |                  |                    |   |       |       |       |
| A5.11.6.1 Purpose and description   |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.11.6.2 Perform pre-use inspection and operate                          |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.11.6.3 Maintain  |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.11.7. Hoisting equipment<br>TR: 35B5- series and 35D- series           |             |                      |                          |              |                  |                  |                    |   |       |       |       |
| A5.11.7.1 Purpose and description   |             |                      |                          |              |                  |                  |                    | -   |       |       |       |
| A5.11.7.2 Perform pre-use inspection and operate                          |             |                      |                          |              |                  |                  |                    | -   |       |       |       |

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## 2A5X2B COURSE OBJECTIVE TRAINING MATRIX

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

**Phase 1** training consists of consolidated training with the Army at Fort Eustis, VA.

**Phase 2** training is the AFSC awarding course taught at Fort Eustis, VA.

### HH-60 TRAINING 2A5X2B

| <u>STS Element</u> | <u>TASK</u>   | <u>Phase 1</u> | <u>Phase 2</u> |
|--------------------|---|----------------|----------------|
| A2.1.1             | Progression in career ladder  |                | A              |
| A2.1.2             | Duties of AFS   |                | A              |
| A2.2.1             | Purpose of OPSEC  |                | A              |
| A2.3.1             | Housekeeping consistent with safety of personnel and equipment      | A              |                |
| A2.3.2.1           | Safety precautions pertaining to aircraft maintenance               | A              |                |
|                    | Engine air intake and exhaust                                       |                |                |
| 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 gases   | A              |                |
| A2.3.2.13          | Aircraft explosive equipment  | A              |                |
| A2.3.2.14          | Composite materials   | A              |                |
| A2.3.2.16          | Electrostatic hazards, static grounding and bonding                 | A              |                |
| A2.3.3.1           | Perform pre-use inspection of portable ground fire extinguisher     |                | 2b             |
| A2.3.4             | Foreign Object Damage (FOD) prevention program                      |                | A              |
| A2.3.5             | Dropped Object Prevention Program (DOPP)                            |                | A              |
| A2.3.5.1           | Use of hazardous chemicals  | A              |                |
| A2.3.5.2           | Disposal of hazardous chemicals                                     | A              |                |
| A2.3.5.4           | Hazardous material handling procedures                              |                | A              |
| A2.3.6             | AFTO Form 492, Mx Warning Tag                                       |                | A              |
| A2.4.1             | TO system   |                | A              |
| A2.4.2             | Air Force manuals and instructions                                  |                | A              |
| A2.6.6             | Purpose and use of Career Field Education and Training Plan (CFETP) |                | A              |
| A2.7.1             | Basic functions within maintenance                                  |                | A              |

## 2A5X2B COURSE OBJECTIVE TRAINING MATRIX

| <u>STS Element</u> | <u>TASK</u>   | <u>Phase 1</u> | <u>Phase 2</u> |
|--------------------|---|----------------|----------------|
| A2.8.1             | MDD Fundamentals  |                | A              |
| A2.8.2.1           | Purpose of aircraft and supporting maintenance records                |                | A              |
| A2.8.2.2           | Automated Forms   |                | A              |
| A2.8.3.1           | Purpose of MIS  |                | A              |
| A2.9.1             | Tool control  | A              |                |
| A2.9.4.1           | Purpose of hardware   | A              |                |
| A2.9.4.2           | Remove/inspect/install hardware                                       | 2b             |                |
| A2.9.5.1           | Purpose of electrical connectors                                      | A              |                |
| A2.9.5.2           | Connect/disconnect electrical connectors                              | 2b             |                |
| A2.9.6.1           | Purpose of securing devices   | 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              |                |
| A2.9.11.1          | Purpose of hand tools   | A              |                |
| A2.9.11.2          | Select, inspect, and use hand tools                                   | 2b             |                |
| A2.9.12.1          | Purpose of measuring tools (to include Prevailing Torque)             | A              |                |
| A2.9.12.2          | Select and use ruler  | 2b             |                |
| A2.9.12.3          | Select and use thickness gauge  | 2b             |                |
| A2.9.12.5          | Select, inspect, and use torque wrench (to include Prevailing Torque) | 2b             |                |
| A2.9.12.7          | Use depth gauge   |                | 2b             |
| A2.10.1            | Maintenance supply concept  |                | A              |
| A2.10.4            | Ordering parts  |                | A              |
| A2.10.5            | Priority system   |                | A              |
| A2.10.8            | Due-in From Maintenance (DIFM) Control                                |                | A              |
| A2.10.13           | DD Forms 1574, 1575, 1576, 1577 and 1577-2 (Condition Tags)           |                | A              |
| A2.11.1            | Weight and balance  | A              |                |
| A2.11.4            | Safe aircraft for maintenance   | A              |                |
| 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              |                |
| A2.11.6.1          | Aircraft inspections concepts and types                               |                | A              |
| A2.11.6.2          | Non-Destructive Inspections (NDI)                                     | A              |                |
| A2.11.6.3          | Borescope   |                | A              |

## 2A5X2B COURSE OBJECTIVE TRAINING MATRIX

| <u>STS Element</u> | <u>TASK</u>   | <u>Phase 1</u> | <u>Phase 2</u> |
|--------------------|---|----------------|----------------|
| A2.11.7.1          | Fundamentals of Ground Handling for jacking                       | A              |                |
| A2.11.7.2.         | Fundamentals of Ground Handling for towing                        | A              |                |
| A2.11.7.3          | Fundamentals of Ground Handling for mooring                       | A              |                |
| A2.11.8            | Aircraft marshalling signals                                      |                | 2b             |
| A2.11.9            | Crashed, Damaged, Disabled Aircraft Recovery (CDDAR)              |                | A              |
| A2.11.13.1         | Aircraft guarded switches design/function/proper identification   | A              |                |
| A2.12.1            | Airframe structure  | A              |                |
| A2.12.2            | Remove/inspect/install panels, airframe                           | 1b             |                |
| A2.15.1            | Flight controls fundamentals of flight                            | A              |                |
| A2.15.2            | Primary flight controls fundamentals                              | A              |                |
| A2.15.4            | Flight control component identification                           | A              |                |
| A2.15.5            | Operate flight controls   | 1a             |                |
| A2.16.1            | Hydraulic system fundamentals                                     | A              |                |
| A2.16.3            | Hydraulic schematics/diagrams                                     |                | A              |
| A2.17.1            | Engine System fundamentals  | A              |                |
| A2.17.2            | Engine component identification                                   | A              |                |
| A2.17.3            | Oil system servicing  | A              |                |
| A2.18.1            | Fuel System fundamentals  | A              |                |
| A2.18.2            | Classify fuel leaks   |                | A              |
| A2.19.1            | AC electrical system fundamentals                                 | A              |                |
| A2.19.2            | DC electrical system fundamentals                                 | A              |                |
| A2.19.7            | Electrical schematics/diagrams                                    |                | A              |
| A2.20.1.1          | Purpose and description of maintenance stands                     | A              |                |
| A2.20.1.2          | Perform pre-use inspection and operate                            | 2b             |                |
| A2.20.3.1          | Purpose and description of aircraft jacks                         | A              |                |
| A2.20.3.2          | Perform pre-use inspection and operate jacks                      | 2b             |                |
| A2.20.6.1          | Diesel air compressors purpose and description                    | A              |                |
| A2.20.7.1          | Ground heaters purpose and description                            |                | A              |
| A2.20.8.1          | Lighting equipment purpose and description                        |                | A              |
| A2.20.8.2          | Perform pre-use inspection and operate                            |                | 2b             |
| A2.20.9.1          | Hydraulic test stand purpose and description                      |                | A              |
| A2.20.11.3.1       | Diesel driven generator sets (35C2) purpose and description       |                | A              |
| A2.20.12.1         | Purpose and description of Tow bar                                |                | A              |
| A2.20.14.1         | Self-generating nitrogen equipment purpose and description        |                | A              |
| A2.20.14.2         | Self-generating nitro cart perform pre-use inspection and operate |                | 2b             |
| A2.20.15.1         | Gaseous nitrogen servicing equipment purpose and description      | A              |                |

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|---------------------------|---|-----------------------|-----------------------|
| A2.20.16.1                | Purpose and description of engine stands and dollies    |                       | A                     |
| A3.1.1.1                  | Phase inspection concepts                               |                       | A                     |
| A3.1.1.2                  | Inspection 600 hour phase                               |                       | A                     |
| A3.1.1.4.1.1              | Perform 50 hour Section 1 – cockpit inspection          | 1b                    |                       |
| A3.1.1.4.1.2              | Perform 50 hour Section 2 – cabin inspection            | 1b                    |                       |
| A3.1.1.4.1.3              | Perform 50 hour Section 3 – transition inspection       | 1b                    |                       |
| A3.1.1.4.1.4              | Perform 50 hour Section 4 - tail cone inspection        | 1b                    |                       |
| A3.1.1.4.1.5              | Perform 50 hour Section 5 – tail pylon inspection       | 1b                    |                       |
| A3.1.1.4.1.6              | Perform 50 hour Section 6 – main rotor pylon inspection | 1b                    |                       |
| A3.1.1.4.10               | Perform Preflight                                       | 1b                    |                       |
| A3.1.3.1                  | Principles of ground handling                           | A                     |                       |
| A3.1.3.2                  | Helicopter/tiltrotor markings                           | A                     |                       |
| A3.1.3.4.1                | Perform as tow team member                              | 2b                    |                       |
| A3.1.3.4.2                | Perform as tow brake operator                           | a                     |                       |
| A3.1.3.5                  | Moor/tie down helicopter                                | a                     |                       |
| A3.1.3.6.1                | Perform as jacking team member                          | 2b                    |                       |
| A3.1.3.7.2                | Disassemble and reassemble helicopter                   | 2b                    |                       |
| A3.1.3.8                  | Special maintenance required due to environment         |                       | A                     |
| A3.1.4.1                  | Use technical orders                                    |                       | 2b                    |
| A3.1.6.1                  | Document AFTO Form 781H                                 |                       | 2b                    |
| A3.1.6.2                  | Document AFTO Form 781A                                 |                       | 2b                    |
| A3.1.6.3                  | Document AFTO Form 781J                                 |                       | 2b                    |
| A3.1.6.4                  | Document AFTO Form 781K                                 |                       | 2b                    |
| A3.1.6.4                  | Document AFTO Form 781F                                 |                       | 2b                    |
| A3.1.6.5                  | Document AFTO Form 350                                  |                       | 2b                    |
| A3.1.6.7                  | Document In Process Inspection (IPI)                    |                       | a                     |
| A3.1.7.1                  | Tool control  | B                     |                       |
| A3.1.7.2                  | Digital propeller protractor                            | 1b                    |                       |
| A3.1.7.3                  | Use dial indicator                                      | b                     |                       |
| A3.1.7.5                  | Use tensiometers  | 1b                    |                       |
| A3.1.7.7                  | Use micrometers   | 2b                    |                       |
| A3.1.7.8                  | Use blade checking and filling unit                     |                       | b                     |
| A3.1.7.9                  | Use tire pressure gauges                                | 2b                    |                       |
| A3.1.7.10                 | Use tire servicing kit                                  | b                     |                       |
| A3.2.1                    | Airframe construction fundamentals                      | A                     |                       |
| A3.2.2.1                  | Airframe components such as cowlings, panels, and doors | 2b                    |                       |
| A3.2.2.7                  | Vibration absorbers and components                      |                       | b                     |
| A3.2.2.10                 | Fold pylon  | b                     |                       |
| A3.3.1                    | Landing gear system operation                           | A                     |                       |

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| <u>STS Element</u> | <u>TASK</u>  | <u>Phase 1</u> | <u>Phase 2</u> |
|--------------------|--|----------------|----------------|
| A3.3.2.1           | Perform operational check of Tail Lock Actuator          | b              |                |
| A3.3.2.2           | Perform operational check of brakes                      | a              |                |
| A3.3.3.1           | Service/bleed shock strut                                | 2b             |                |
| A3.3.3.2           | Service Tires TR: TO 4T-1-3                              | 2b             |                |
| A3.3.3.3           | Service/bleed brakes                                     | 2b             |                |
| A3.3.5.1           | Remove/Install main landing gear wheel and tire assembly | 2b             |                |
| A3.3.5.2           | Remove/install brake assembly                            | 2b             |                |
| A3.3.5.6.1         | Remove/Install Shock strut                               | b              |                |
| A3.3.5.6.3         | Remove/Install Tail landing gear yoke                    | b              |                |
| A3.3.5.6.6         | Remove/Install Tail landing gear fork                    | 2b             |                |
| A3.3.5.6.7         | Remove/install Drag beam and components                  | b              |                |
| A3.3.5.6.8         | Remove/install tail landing gear wheel and tire assembly | 2b             |                |
| A3.4.1             | Utility System Fundamentals                              | A              |                |
| A3.4.2.1           | Perform operational check of hoist                       |                | b              |
| A3.4.2.2           | Perform operational check of cargo hook                  | a              |                |
| A3.4.2.3           | Perform operational check of heating and ventilating     | a              |                |
| A3.4.2.4           | Perform operational check of fire detection              | a              |                |
| A3.4.2.5           | Perform operational check of windshield wiper            | a              |                |
| A3.4.2.6           | Perform operational check of windshield anti-ice         | a              |                |
| A3.4.3.10          | Remove/install fire detection system components          | b              |                |
| A3.4.3.11          | Remove/install windshield anti-ice system components     | a              |                |
| A3.4.3.12          | Remove/install windshield wiper system components        | 2b             |                |
| A3.4.4.1           | Adjust windshield wiper arm                              | 2b             |                |
| A3.4.5.1           | Service/lubricate/inspect hoist                          |                | b              |
| A3.5.1             | Rotor flight control system fundamentals                 | A              |                |
| A3.5.4.1           | Remove/install control rods                              | 2b             |                |
| A3.5.4.3           | Remove/install pulleys                                   | 2b             |                |
| A3.5.4.5           | Remove/install spring cylinder                           | a              |                |
| A3.5.4.6           | Remove/install cables                                    | 2b             |                |
| A3.5.4.7           | Remove/install quadrants                                 | a              |                |
| A3.5.4.9           | Remove/install stabilator                                | 2b             |                |
| A3.5.5.1           | Fundamentals of flight control rigging                   | A              |                |
| A3.5.5.2           | Rig main rotor   | a              |                |
| A3.5.5.3           | Rig tail rotor   | a              |                |
| A3.5.6.1           | Perform main rotor rig check                             | 2b             |                |
| A3.5.6.2           | Perform tail rotor rig check                             | 2b             |                |
| A3.6.1             | Hydraulic system operation                               | A              |                |
| A3.6.2.2           | Perform operational check of Rotor brake                 | b              |                |
| A3.6.3.1           | Quick disconnects and self- sealing couplings            | 2b             |                |

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| <b><u>STS Element</u></b> | <b><u>TASK</u></b>   | <b><u>Phase 1</u></b> | <b><u>Phase 2</u></b> |
|---------------------------|--|-----------------------|-----------------------|
| A3.6.3.2                  | Remove/install primary servos  | b                     |                       |
| A3.6.3.3                  | Remove/install boost servos  | 2b                    |                       |
| A3.6.3.6                  | Remove/install pump module   | 2b                    |                       |
| A3.6.3.7                  | Remove/install pilot assist module   | 2b                    |                       |
| A3.6.3.8                  | Remove/install transfer module   | a                     |                       |
| A3.6.3.9                  | Remove/install utility module  | a                     |                       |
| A3.6.3.10                 | Remove/install filters   | 2b                    |                       |
| A3.6.3.11                 | Remove/install rotor brake system components                                       | 2b                    |                       |
| A3.6.3.12                 | Remove/install tail rotor servo  | a                     |                       |
| A3.6.3.15                 | Remove/install Auxiliary Power Unit (APU) accumulator                              | b                     |                       |
| A3.6.4.1                  | Service reservoirs   | a                     |                       |
| A3.6.4.2                  | Service APU accumulator  | b                     |                       |
| A3.7.1                    | Turboshaft engine fundamentals   | A                     |                       |
| A3.7.2                    | Engine sections  | A                     |                       |
| A3.7.3                    | Ignition   | A                     |                       |
| A3.7.4                    | Fuel   | A                     |                       |
| A3.7.5                    | Oil  | A                     |                       |
| A3.7.6                    | Inlet particle separator system  | A                     |                       |
| A3.7.7                    | Inlet Guide Vane (IGV) actuating system  | A                     |                       |
| A3.7.8                    | Anti-icing   | A                     |                       |
| A3.7.9.3                  | Remove/install ignitor plug  | 2b                    |                       |
| A3.7.9.4                  | Remove/install Exhaust module/Hover Infrared Suppression System (HIRSS) components | a                     |                       |
| A3.7.9.5                  | Remove/install chip detector   | 2b                    |                       |
| A3.7.9.6                  | Remove/install inlet particle separator  | 2b                    |                       |
| A3.7.9.7                  | Remove/install engine  | 2b                    |                       |
| A3.7.9.8                  | Remove/install engine inlet  | 2b                    |                       |
| A3.7.9.10                 | Remove/install anti-ice start bleed valve  | a                     |                       |
| A3.7.9.11                 | Remove/install filters and screens   | 2b                    |                       |
| A3.7.9.12                 | Remove/install engine starter  | 2b                    |                       |
| A3.7.9.15                 | Remove/install rotary control inputs   | a                     |                       |
| A3.7.10                   | Service engine oil system  | b                     |                       |
| A3.8.1                    | Fuel system fundamentals   | A                     |                       |
| A3.8.2                    | Fuel system components   | A                     |                       |
| A3.8.3.3                  | Perform operational check in-flight refueling system (IFR)                         |                       | b                     |
| A3.8.5.1                  | Refueling fundamentals   | A                     |                       |
| A3.8.5.2.1                | Perform as refuel team member  | a                     |                       |
| A3.8.6.1                  | Perform as defuel team member  | A                     |                       |
| A3.8.6.2.1                | Perform as defuel team member  | a                     |                       |

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|---------------------------|--|-----------------------|-----------------------|
| A3.8.8.3                  | Remove/install transfer pump                       |                       | b                     |
| A3.8.8.7                  | Remove/install prime boost pump                    | 2b                    |                       |
| A3.8.8.8                  | Remove/install breakaway valves                    | a                     |                       |
| A3.8.8.9                  | Remove/install IFR probe                           |                       | b                     |
| A3.8.8.10                 | Remove/install IFR probe nozzle                    |                       | 2b                    |
| A3.8.8.15                 | Remove/install fuel probe lock actuators           |                       | a                     |
| A3.9.1                    | Electrical system operation AC/DC                  | A                     |                       |
| A3.9.3.2                  | Remove/install generator                           | 2b                    |                       |
| A3.9.4                    | Connect/disconnect external electrical power       | b                     |                       |
| A3.10.1                   | Transmission system fundamentals                   | A                     |                       |
| A3.10.2                   | Transmission oil system fundamentals               | A                     |                       |
| A3.10.3                   | Adjust transmission oil system                     | a                     |                       |
| A3.10.5                   | Service transmission system                        | a                     |                       |
| A3.10.6                   | Service drive system                               | a                     |                       |
| A3.10.7.1                 | Remove/install accessory module                    | b                     |                       |
| A3.10.7.2                 | Remove/install main module                         | a                     |                       |
| A3.10.7.3                 | Remove/install Intermediate gearbox (IGB)          | b                     |                       |
| A3.10.7.4                 | Remove/install Tail gearbox (TGB)                  | b                     |                       |
| A3.10.7.5                 | Remove/install oil cooler and blower               | b                     |                       |
| A3.10.7.7                 | Remove/install tail drive shaft                    | 2b                    |                       |
| A3.10.7.8                 | Remove/install Viscous damper bearing assembly     | a                     |                       |
| A3.10.7.9                 | Remove/install chip detector                       | 2b                    |                       |
| A3.10.7.11                | Remove/install main gearbox oil filter and screens | 2b                    |                       |
| A3.10.7.13                | Remove/install input module                        | 2b                    |                       |
| A3.11.1.1                 | Main Rotor system fundamentals                     | A                     |                       |
| A3.11.1.2                 | Blade Inspection Method (BIM) system operation     |                       | A                     |
| A3.11.1.3                 | Blade deicing operation                            | A                     |                       |
| A3.11.1.4.1               | Remove/install rotor head                          | 2b                    |                       |
| A3.11.1.4.2               | Remove/install spindle                             | b                     |                       |
| A3.11.1.4.3               | Remove/install dampers                             | 2b                    |                       |
| A3.11.1.4.6               | Remove/install pitch control rods                  | 2b                    |                       |
| A3.11.1.4.7               | Pitch control rod end/bearings                     | 2b                    |                       |
| A3.11.1.4.8               | Remove/install rotor blades                        | 2b                    |                       |
| A3.11.1.4.10              | Remove/install swashplate assembly                 | 2b                    |                       |
| A3.11.1.4.13              | Remove/install bifilar/weights                     | 2b                    |                       |
| A3.11.1.4.14              | Remove/install elastomeric bearing                 | a                     |                       |
| A3.11.1.4.15              | Remove/install BIM indicator                       |                       | b                     |
| A3.11.1.4.16              | Remove/install blade de-ice components             | 2b                    |                       |
| A3.11.1.4.17              | Remove/install droop/flap stop                     | 2b                    |                       |

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|---------------------------|---|-----------------------|-----------------------|
| A3.11.1.5                 | Perform pretrack adjustment                             | b                     |                       |
| A3.11.1.6                 | Perform autorotation adjustment                         | b                     |                       |
| A3.11.1.7.1               | Service Damper system                                   | b                     |                       |
| A3.11.1.7.2               | Service blades  |                       | 2b                    |
| A3.11.1.8                 | Lubricate system components                             | 2b                    |                       |
| A3.11.2.1                 | Tail rotor system fundamentals                          | A                     |                       |
| A3.11.2.2                 | Tail rotor de-ice operation                             | A                     |                       |
| A3.11.2.3.1               | Remove/install paddles                                  | 2b                    |                       |
| A3.11.2.3.4               | Remove/install inner retention plate                    | 2b                    |                       |
| A3.11.2.3.5               | Remove/install tail rotor de-ice components             | b                     |                       |
| A3.11.2.3.6               | Remove/install tail rotor pitch link                    | 2b                    |                       |
| A3.13.1                   | APU fundamentals  | A                     |                       |
| A3.13.2.2                 | Remove/install APU assembly                             | 2b                    |                       |
| A3.13.2.3                 | Remove/install APU igniter/spark plug                   | a                     |                       |
| A3.13.2.4                 | Remove/install APU start fuel nozzle                    | a                     |                       |
| A3.13.4                   | Service oil tank  | a                     |                       |
| A3.14.1                   | Vibration fundamentals                                  |                       | A                     |
| A3.14.2                   | Adjust main rotor blades                                | b                     |                       |
| A3.16.1                   | IVHMS fundamentals                                      | A                     |                       |
| A3.16.2                   | Main rotor tuning                                       | A                     |                       |
| A3.16.3                   | Main rotor smoothing                                    |                       | A                     |
| A3.18.2.1                 | Aircraft tow bars purpose and description               | A                     |                       |
| A3.18.2.2                 | Aircraft tow bar perform pre-use inspection and operate | b                     |                       |
| A3.18.5.1                 | Hydraulic servicing carts purpose and description       |                       | A                     |