DEPARTMENT OF THE AIR FORCE
Headquarters US Air Force
Washington, DC 20330-1030

CFETP 2A5X2
Parts I and II
1 Oct 2003

AFSC 2A5X2
HELICOPTER MAINTENACE

CAREER FIELD EDUCATION AND TRAINING PLAN

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HELICOPTER MAINTENANCE SPECIALTY
AFSC 2A5X2

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Part I

Supersedes: CFETP 2A5X2, September 1997

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Number of Printed Pages: 91

PART II

HELICOPTER MAINTENANCE SPECIALTY
AFSC 2A5X2
CAREER FIELD EDUCATION AND TRAINING PLAN

Part I

Preface

1. This Career Field Education and Training Plan (CFETP) is a comprehensive education and training document that identifies life-cycle education/training requirements, training support resources and minimum core task requirements for the entire 2A5X2 specialty. The CFETP will provide personnel a clear career path to success and will instill rigor in all aspects of career field training. To read, review, or print a copy of the current CFETP, go to the Aircraft Maintenance Homepage at:
http://140.185.52.73/ilm/ilmm/acmaint/ac-tng.html.

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

2. The CFETP consists of two parts; both parts of the plan are used by supervisors to plan, manage and control training within the career field.

2.1. Part I provides information necessary for overall management of the specialty. Section A explains how everyone will use the plan; Section B identifies career field progression information, duties and responsibilities, training strategies, and career field path; Section C associates each level with specialty qualifications (knowledge, education, training, and other). Section D indicates resource constraints, some examples are funds, manpower, equipment and facilities.

2.2. Part II includes the following: Section A identifies the Specialty Training Standard (STS) and includes duties, tasks, and technical references to support training, Air Education and Training Command (AETC) conducted training, core task, and career development course (CDC) requirements; Section B contains the course objective list and training standards supervisors will use to determine if airmen have satisfied training requirements; Section C provides a listing of available support materials; Section D provides a training course index supervisors can use to determine available training. Included here are both mandatory and optional courses. Section E identifies MAJCOM-unique requirements supervisors can use to determine additional training required for the associated qualification needs.

3. Using the guidance provided in the CFETP will ensure individuals in this specialty receive effective and efficient training at the appropriate points in their career. This plan will enable us to train today's work force for tomorrow's jobs. 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 (AT). Formal course which provides individuals who are qualified in one or more position of their Air Force Specialty (AFS) with additional skills/knowledge to enhance their expertise in the career field. Training is for selected career airman at the advanced level of the AFS.

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

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

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

Certification Official. A person whom the commander authorizes to determine an individual's ability to perform a task to required standards.

Continuation Training. Additional training exceeding minimum upgrade requirements with emphasis on present or future duty assignments.

Core Task. A task Air Force Career Field Managers (AFCMs) identify as a minimum qualification requirement within an Air Force specialty or duty position. Core task identified with an *R are optional for AFRC and ANG.

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

Course Training Standard (CTS). A formal document published by Air Education and Training command (AETC) organizations that identifies training included in a specific course when needed training is not specifically defined in an STS.

Cross Utilization Training (CUT). Training designed to qualify personnel to perform tasks that are not established requirements in their awarded AFSC.

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

En Route Training. The training of students undergoing a permanent change of station (PCS) while in temporary duty (TDY) status.

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

External Evaluation. Acquisition and analysis of data from outside the training environment to evaluate/determine the graduate's ability to perform tasks required in the career field.

Field Technical Training (Type 4). Special or regular on-site training conducted by a Field Training Detachment (TD) or by a Mobile Training Team (MTT).

Go/No Go Level. In OJT, the stage at which an individual has gained enough skill, knowledge, and experience to perform the tasks without supervision.

Graduate Assessment Survey (GAS). A web-based survey to gather supervisory feedback on Air Force, Air Force Reserve Command (AFRC), Air National Guard (ANG) graduates of initial skill type 3, 4 and 5 courses. Results are used to determine negative trends so corrective action can be implemented.

Initial Skills Training. A formal course of instruction that results in award of a 3-skill level.

Mission Ready Airman (MRA). A formal course which results in an airman receiving hands-on training that prepares the individual to be mission ready at the end of training.

Occupational Survey Report (OSR). A detailed report showing the results of an occupational survey of tasks performed within a particular AFS.

On-the-Job Training. Hands-on, over-the-shoulder training conducted to qualify/certify personnel in both upgrade (skill level award) and job qualification (duty position certification) training.

Plan of Instruction (POI). A formal AETC course control document which lists objectives to be accomplished in the preferred sequence of instruction, support materials needed, and the apportionment of training time.

Qualification Training (QT). 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 skill/knowledge training required to do the job.

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

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

Skills Training. A formal course that results in the award of a skill level.

Specialty Training. A mix of formal training (technical school) and informal training (on-the-job) to qualify and upgrade airmen in the award of a skill level.

Specialty Training Standard (STS). An Air Force publication that describes an AFS in terms of tasks and knowledge an airman may be expected to perform or to know on the job. It also serves as a contract between AETC and the functional user to show which of the overall training requirements for an AFS are taught in initial skills training, Career Development Courses (CDCs), and seven-level resident courses.

Standard. An exact value, a physical entity, or an abstract concept, established and defined by authority, custom, or common consent to serve as a reference, model, or rule in measuring quantities or qualities, establishing practices or procedures, or evaluating results. A fixed quantity or quality.

Task Certifier. See Certification Official.

Total Force. All collective Air Force components (active, reserve, guard, and civilian elements) of the United States Air Force.

Trainer. A trained and qualified person who teaches airmen to perform specific tasks through OJT methods. Also, equipment that the trainer uses to teach airmen specified tasks.

Training Capability. The ability of a unit or base to provide training. Authorities consider the availability of equipment, qualified trainers, study reference materials, and so on in determining a unit's training capability.

Training Planning Team (TPT). Comprised of the same personnel as a U&TW, however TPT's are more intimately involved in training development and the range of issues are greater than is normal in the U&TW forum.

Training Setting. The type of forum in which training is provided (formal resident school, on-job-training, field training, mobile training team, self-study etc).

Upgrade Training (UGT). Mandatory training that leads to attainment of higher level of proficiency and award of an AFSC.

Utilization and Training Workshop (U&TW). A forum of Air Force (AF) and MAJCOM career field functional managers, Subject Matter Experts (SMEs), and AETC training personnel that determines career ladder training requirements for an designated AFS.

Section A - General Information

1. Purpose. This Career Field Education and Training Plan (CFETP) provides information necessary for Air Force Career Field Managers (AFCFMs), Major Command Functional Managers (MCFMs), commanders, training managers, supervisors and trainers to plan, develop, manage, and conduct an effective career field training program. This plan outlines the training that individuals in this AFS should receive to develop and progress throughout their career. This plan identifies initial skills, upgrade, qualification, advanced, and proficiency training. Initial skills training is the AFS specific training an individual receives upon entry into the Air Force or upon retraining into this specialty for award of the 3-skill level. Normally, this training is conducted by AETC organizations in one (or more) resident courses. Upgrade training identifies the mandatory courses, task qualification requirements, and CDC completion requirements for award of the 3-, 5-, 7-, 9-skill levels. Qualification training is actual hands-on task performance training designed to qualify an airman in a specific duty position. This training program occurs both during and after the upgrade training process. It is designed to provide the performance skills/knowledge required to do the job. Advanced training is formal specialty training used for selected airmen. Proficiency training is additional training, either in-residence or exportable advanced training courses, or on-the-job training, provided to personnel to increase their skills and knowledge beyond the minimum required for upgrade. The CFETP has several purposes, some are:

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

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

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

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

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

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

2.2. MFMs will ensure their training programs complement the CFETP mandatory initial, upgrade, and proficiency requirements. Identified requirements can be satisfied by OJT, resident training, contract training, or exportable courses. MAJCOM developed training to support this AFSC must be identified for inclusion into this CFETP.

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

3. Coordination and Approval. The AFCFM is the approval authority. Also, the AFCFM 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 course in Part II, they will eliminate duplicate training.

Section B - Career Progression and Information

4. Specialty Description.

4.1. **Specialty Summary.** Performs and supervises helicopter maintenance functions and activities. Inspects, repairs, maintains, and services helicopters and support equipment. Maintains aircraft forms and records. Performs crew chief functions. Related DoD Occupational Subgroup: 600.

4.2. **Duties and Responsibilities.**

4.2.1. Advises on problems maintaining, servicing and inspecting helicopter aircraft and related support equipment (SE). Uses technical data to diagnose and solve maintenance problems on aircraft systems. Interprets and advises on maintenance procedures and policies to repair helicopter and SE.

4.2.2. Troubleshoots and maintains helicopter structures, systems, components, and SE. Tests repaired components using mockups and test equipment. Adjusts, aligns, rigs, and calibrates helicopter systems. Performs engine run-up. Accomplishes weight and balance functions. Jacks, tows, and services helicopter.

4.2.3. Inspects helicopter structures, systems, components, and SE. Supervises and performs helicopter and component inspections. Interprets inspection findings and determines adequacy of corrective actions. Inspects and checks components for clearances, tolerances, proper installation, and operation. Inspects and operates powered and non-powered aerospace ground equipment. Inspects and identifies aircraft corrosion for prevention and correction. Reviews maintenance forms, helicopter records, and reports to ensure complete documentation. Inventories and maintains alternate mission equipment.

4.2.4. Coordinates maintenance plans to meet operation commitments. Supervises and assists in launching and recovering helicopter. Review maintenance data collection summaries to determine trends and production effectiveness. Performs crash recovery duties. Performs staff and supervisory management functions.

5. 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. Everyone involved in training must do his or her part to plan, manage, and conduct an effective training program. The guidance provided in this part of the CFETP will help ensure each individual receives viable training at appropriate points in their career.

5.1. **Apprentice (3) Level.** Following Basic Military Training, initial skills training will be provided in resident courses at the 82d Training Wing, 360 TRS Det.1 Fort Eustis, VA. These courses will lay the foundation for additional training at the graduate's first duty assignment. Trainees will utilize the 2A552 CDC and task qualification training to progress in their career field. Upon completion of CDC 2A552 and Air Force core task qualifications, the trainee will complete any other available duty position training.

5.2. **Journeyman (5) Level.** Once upgraded to the 5-level, the Journeyman will enter into continuation training to broaden their experience base by increasing their knowledge, skill in troubleshooting, and solving more complex problems. Five-levels may be assigned job positions such as helicopter dedicated crew chief, assistant dedicated crew chief, inspection dock, and various staff positions. Individuals will attend the Airman Leadership School (ALS) after having 48 months in the Air Force or are SSgt selectee (see table 8.1). Five levels can be considered for appointment as unit trainers. Individuals will use their CDCs to prepare for testing under the Weighed Airman Promotion System (WAPS). They should also consider continuing their education toward a CCAF degree.

5.3. **Craftsman (7) Level.** A craftsman can expect to fill various supervisory and management positions such as expediter, shift leader, element chief, flight chief, task certifier, and various staff

positions. Exportable aircraft specific courses and MAJCOM/unit management courses are also available. Seven-levels should take courses or obtain added knowledge on management of resources and personnel, and attend the 7-level resident Craftsman Crew Course In addition, when promoted to TSgt, individuals will attend the Noncommissioned Officer Academy. Additional higher education and completion of courses outside their career AFSC are also recommended.

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

6. Training Decisions. The CFETP uses a building block approach (simple to complex) to encompass the entire spectrum of training requirements for the Aerospace Maintenance career field. The spectrum includes a strategy for when, where, and how to meet the training requirements. The strategy must be apparent and affordable to reduce duplication of training and eliminate a disjointed approach to training. Training decisions for this CFETP were made at the Utilization and Training Workshop (U&TW) held at Fort Eustis, Virginia, 7-11 Oct 2002 and currency is maintained through annual reviews and at recurring U&TWs.

6.1. **Initial Skills.** Students must complete the Helicopter Maintenance Common Course at Fort Eustis, Virginia. This non-aircraft specific course is the common prerequisite training for H-53 and CV-22 helicopter maintenance apprentices. The curriculum includes general subjects such as safety, technical orders, hand tools, hardware, Maintenance Data Collection (MDC) in the Core Automated Maintenance System (CAMS), Aerospace Ground Equipment (AGE), and generic helicopter systems to include inspection and servicing. Students then enter a helicopter-specific training course and receive expanded helicopter systems and task training resulting in the award of apprentice skill level. The specific training accomplished and where the training is accomplished is shown in each weapons-specific matrix in Part II of the CFETP. Tasks identified for training to the 3c proficiency level are also certified to this level within the course. A certified task means that the individual can complete the task utilizing tech data, but may not meet local standards for speed. Normally, task training and certification will be accomplished and signed off by, the same instructor per AETCI 36-2203. The Air Force Form 797 will be used to accomplish certification for the gaining supervisor to transcribe into the trainee's STS.

6.1.1. Changes were made to the 3-level ITRO course for AFSC 2A5X2B (H-60). Some of the proficiency codes and terminology in the CFETP were changed to reflect what the schoolhouse is currently training. Several common maintenance tasks were added that were not previously contained in the CFETP. These changes did not significantly effect course length. Numerous training objectives are listed in the HH-60 STS as being constrained due to the fact that the Army does not teach them in the ITRO course. The schoolhouse is currently studying the possibility of making the HH-60 ITRO training co-located verses consolidated. If the Air Force were able to manage their own HH-60 course, they could meet most of the functional training requirements. The schoolhouse currently trains all tasks using Army HH-60 helicopters. There are significant configuration differences between Army and Air Force HH-60 helicopters. Therefore the requirement for an Air Force HH-60 aircraft will be listed as a constraint. The schoolhouse also required a serviceable rescue hoist. Parts for the hoist are listed as a constraint.

6.2. **Five Level Upgrade Requirements.** To upgrade to the 5-level, personnel must meet educational and training requirements and grade requirements as listed in Table A8.1., *Enlisted Career Path.*

6.3. **Seven Level Upgrade Requirements.** To upgrade to the 7-level, personnel must meet education and training requirements and grade requirements as listed in Table A8.1., *Enlisted Career Path*. For upgrade to the Craftsman level an individual must be a SSgt with 12 months OJT, complete core task training, complete 2AX7X CDC, and successfully complete the 7-level in residence course.

6.4. **Proficiency/Continuation Training.** Unit training or TDs accomplish additional knowledge and skill requirements, which are not taught through initial skills or upgrade training. 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.

7. Community College of the Air Force (CCAF). Enrollment in CCAF occurs upon completion of basic military training. CCAF provides the opportunity to obtain an Associate in Applied Sciences Degree. In addition to its associates degree program, CCAF offers the following:

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

7.2 **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.

7.3. **Degree Requirements.** All airmen are automatically entered into the CCAF program. Prior to completing an associate degree, the 5-level must be awarded and the following requirements must be met:

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

7.3.1. **Technical Education** (24 Semester Hours): A minimum of 12 semester hours of Technical Core subjects/courses must be applied and the remaining semester hours applied from technical core/technical elective courses. Completion of the 2A532 helicopter specific courses satisfies some semester hours of the technical education requirement. Because the awarded CCAF hours for these courses can vary as they are changed or revised, you should contact your base education office for current information.

7.3.2 **Leadership, Management, and Military Studies** (6 Semester Hours): Professional Military Education (PME) and/or college accredited management courses.

7.3.3. **Physical Education** (4 Semester Hours): This requirement is satisfied by completion of basic military training.

7.3.4. **General Education** (15 Semester Hours): Applicable courses must meet the criteria for application of courses to the General Education Requirements (GER) and be in agreement with the definitions of applicable general education subjects/courses as provided in the CCAF General Catalog.
7.3.5. **Program Elective** (15 Semester Hours): This requirement can be satisfied by applicable technical education; leadership, management, and military studies; or general education subjects/courses, including natural science courses meeting GER application criteria. Six semester hours of applicable technical credit otherwise not applicable to this program may be applied. See the CCAF General Catalog for details regarding the Associate of Applied Science degree for this specialty.

7.4. Additional off-duty education is a personal choice that is encouraged for all. Individuals desiring to become an AETC Instructor should be actively pursuing an associate degree. A degreed faculty is necessary to maintain accreditation through the Southern Association of Colleges and Schools.

8. Enlisted Career Path. The enlisted career path is contained on page 12.

8.1 Enlisted Career Path

Table 8.1 identifies career milestones for the 2A5X2 AFS.

Table 8.1 Enlisted Career Path

Education and Training Requirements	Grade Requirements			
	Rank	Average Sew-On	Earliest Sew-On	High Year Of Tenure (HYT)
Basic Military Training School				
Apprentice Technical School (3-Skill Level)	Amn A1C	6 months 16 months		
Upgrade To Journeyman (5-Skill Level) - Minimum 15 months on-the-job training. - Minimum 9 months on-the-job training for retrainees. - Complete appropriate CDC if and when available.	Amn A1C SrA	 10 months 3 years	 28 months	 10 Years Note: SRA are permitted to serve beyond 10 years, but not beyond 12 years if they receive a Selective Reenlistment Bonus (SRB)
Airman Leadership School - Must be a SrA with 48 months time in service or be a SSgt Selectee. - Resident graduation is a prerequisite for SSgt sew-on (Active Duty Only).	**Trainer** - Qualified and certified to perform the task to be trained. - Must attend formal OJT Trainer Training and appointed by Commander.			
Upgrade To Craftsman (7-Skill Level) - Minimum rank of SSgt. - 12 months OJT. - 6 months OJT for retrainees. - Complete appropriate CDC if/when available. - Attend Craftsman course, if applicable.	SSgt	7.5 years	3 years	20 Years
	Certifier - Possess at least a SSgt with a 5-skill level or civilian equivalent. - Attend formal OJT Certifier Course and appointed by Commander. - Be a person other than the trainer except for AFSCs, duty positions, units, and/or work centers with specialized training standardization and certification requirements.			
Noncommissioned Officer Academy (NCOA) - Must be a TSgt or TSgt Selectee. - Resident graduation is a prerequisite for MSgt sew-on (Active Duty Only).	TSgt MSgt	12.5 years 16 years	5 years 8 years	24 Years 26 Years
USAF Senior NCO Academy (SNCOA) - Must be a SMSgt or SMSgt Selectee. - A percentage of top non-select (for promotion to E-8) MSgts attend the SNCOA each year. - Resident graduation is a prerequisite for CMSgt sew-on (Active Duty Only).	SMSgt	19.2 years	11 years	28 Years
Upgrade To Superintendent (9-Skill Level) - Minimum rank of SMSgt.	CMSgt	21.5 years	14 years	30 Years

8.2. Base/Unit Education and Training Manager Checklist:

Table 8.2. Base/Unit Education and Training Manager Checklist		
Requirements for Upgrade to:	**Y**	**N**
Journeyman – has the apprentice: - completed mandatory CDCs, - completed all appropriate 5-level core tasks identified in the CFETP? - completed all other duty position tasks identified by the supervisor? - completed 15 months training (9 months for retrainees) for award of the 5-skill level? - met mandatory requirements listed in specialty description, AFMAN 36-2108 (Airman Classification), and CFETP? - been recommended by their supervisor?		
Craftsman – has the journeyman: - achieved the rank of SSgt? - completed mandatory CDCs? - completed all core tasks identified in the CFETP? - completed all other duty position tasks identified by the supervisor? - completed a minimum 12 months UGT (6 months for retrainees) for award of the 7-skill level? - attended 7-skill level Craftsman Course? (final requirement)		

Section C - Skill Level Training Requirements

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

10. Specialty Qualification:

10.1. **Apprentice Level Training:**

10.1.1. **Knowledge.** Knowledge is mandatory of: aircraft systems principles; concepts and application of maintenance directives and data reporting; using technical data; Air Force supply procedures; and proper handling, use, and disposal of hazardous waste and materials.

10.1.1.1. **Education.** For entry into this specialty, completion of high school with courses in pneudraulics, physics, and electronics are desirable.

10.1.1.2. **Training.** For award of AFSC 2A532X, completion of a suffix specific basic aerospace maintenance course is mandatory.

10.1.1.3. **Experience.** No prior experience is necessary to initiate skill level advancement to the 2A532X AFSC.

10.1.1.4. **Other.** (Per AFI 36-2101) For entry into this specialty, normal color vision is required as defined in AFMAN 48-123, *Medical Examination and Standards*. For award of AFSC 2A532X, eligibility for a Secret security clearance is required per AFI 31-501, *Personnel Security Program Management*. See AFMAN 36-2108, attachment 39, for specific aptitude and physical profile requirements.

10.1.2. **Training Sources and Resources.** Formal AETC 3-level initial skills courses will provide the required knowledge, qualification, and if applicable, certification. Training will focus on increasing "hands-on" time with task performance as the learning foundation. This strategy allows current weapon-system specific training to be included in the initial skills course. Initial skills

training include aircraft commons, system theory and operation, system components, component removal and installation, introduction to maintenance concepts, general flight line maintenance practices, use of technical publication, maintenance documentation, and AGE/SE equipment familiarization and use.

10.1.3. **Implementation.** Upon graduation from Basic Military Training, airmen are assigned to the 82d Training Wing, 360th Training Squadron Det 1 at Fort Eustis VA, to attend formal technical training appropriate to his or her end assignment. This training begins with the Helicopter Maintenance Common Course, which is common to all aircraft maintenance apprentices. This generic phase of training is followed by one or more aircraft-specific training courses. These task-oriented follow-on courses are conducted at several locations, as indicated below. Successful completion of formal technical training results in the award of the 3-skill level.

AFSC	Aircraft	Course Number	Location
2A532A	HH-53	J3ABP2A532A	Kirtland AFB NM

10.2. **Journeyman Level Training:**

10.2.1 **Knowledge.** Knowledge is mandatory of supply procedures, electrical theory, mechanical principles applying to aircraft; flight theory; hydraulic principles; concepts and application of maintenance directives; maintenance data reporting; technical order use; and proper handling, use, and disposal of hazardous waste and materials. In addition to the 3-level qualifications, an individual must be trained to perform duties at the 5-level to include the following: possess the knowledge and skills necessary to maintain helicopter systems, be task qualified on inspecting aircraft systems and components, basic troubleshooting of systems and components, removal and installation of system components, repairing and replacing system components, and performance of operational checks of systems and components.

10.2.1.1. **Education.** For entry into this specialty, completion of a formal suffix-based aerospace maintenance course is mandatory.

10.2.1.2. **Training.** For award of AFSC 2A552X, completion of the appropriate CDC is mandatory. Also certification on all core tasks, and approval of supervisor are mandatory.

10.2.1.3. **Experience.** Qualification in and possession of AFSC 2A532X is mandatory. Also, must possess experience in functions such as repairing and maintaining helicopter aircraft systems or related installed equipment. Completion of all applicable core tasks is required.

10.2.1.4 Deleted

10.2.2. **Training Sources and Resources.** The 5-level (2A552) CDC provides the required career knowledge training. Qualification training and OJT will provide training and qualification on the core tasks identified in the STS and applicable qualitative requirements.

10.2.2.1. **Implementation.** With supervisor approval, personnel may enter 5-level upgrade training and enroll in CDC. The period of OJT is approximately 15 month for completion of all upgrade requirements. It is recognized that some new helicopter personnel will be ready for upgrade training at 3 months and some will need more time.

10.3. **Craftsman Level Training:**

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

10.3.1.1. **Education.** There are no additional educational requirements for upgrade to the craftsman skill level. However, completion of a CCAF degree is desirable.

10.3.1.2. **Training.** Completion of AF core tasks. Completion of CDC 2A572, and completion of the 7-level resident course at Ft. Eustis, VA.

10.3.1.3. **Experience.** Qualification in and possession of AFSC 2A552X. Also, experience performing or supervising functions such as installing, repairing, inspecting, or overhauling aircraft structures, systems, and components.

10.3.1.4. **Other.** Must be minimum grade of E-5. Also, must meet all other qualifications identified in paragraph 10.1.2.5. for award of journeyman level.

10.3.2. **Training Sources and Resources.** The 2A572 CDC and 7-level Resident Course provide the required career knowledge training. Qualification training and OJT will provide training and qualification on the core tasks identified in the STS and other applicable qualitative requirements.

10.3.3. **Implementation.** Prior to being selected for school, certain mandatory requirements must be met: (1) possess 2A552; (2) be a SSgt-selectee or higher; (3) have supervisor-verified completion of Air Force directed core tasks and all duty position tasks and all duty position tasks; (4) completion of CDCs 2A572; (5) minimum OJT period of 15 months before to the resident course.

10.4. **Superintendent Level Training**:

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

10.4.1.1. **Education.** There are no education requirements for upgrade to Superintendent. Formal education is encouraged.

10.4.1.2. **Training.** In addition to 7-level qualifications, an individual must be trained to perform duties at the 9-level to include the following: advanced skills and knowledge of concepts and principles in the management of maintenance efforts on helicopters and the helicopter systems, efficient management and direction of aerospace repairs to include: planning and organizing resources, evaluating maintenance, interpreting and resolving technical problems, analyzing system and component failures and inspection results, determine optimum management procedures and requirements, and the management and projection of funds to support maintenance efforts and optimize mission accomplishment.

10.4.1.3. **Experience.** For award of AFSC 2A590, qualification in and possession of AFSC 2A571 or 2A572 is mandatory. Also, experience in managing or directing functions such as inspecting or maintaining aircraft or helicopters is mandatory.

10.4.1.4. **Other.** Must possess minimum grade of E-8.

Section D - Resource Constraints

11. Purpose. This section identifies known resource constraints which preclude optimal training from being developed or conducted, to include cost and manpower. Narrative explanations of each resource constraint and an impact statement describing what effect each constraint has on training are included. Also, included in this section are actions required, office of primary responsibility, and target completion dates. Resource constraints will be, as a minimum, reviewed and updated annually.

12. Apprentice Level Training:

12.1. **Common Training Requirements Constraints.** None.

12.2. **H-1 Specific Constraints.** None. The H-1 Helicopter resident course has been deleted.

12.3. **H-53 Specific Constraints.** Current CH-53A airframe and trainers (TCH-53B and (C) are not configured to reflect the latest modifications and are not fully mission capable.

12.3.1. **Impact.** Removal and installation of the auxiliary fuel tanks and gull wings cannot be performed. All main rotor head tasks are performed on a "wet head", not an Elastomeric Rotor head. Main rotor blade fold cannot be performed. Above constraints are due to "A" model aircraft and trainer configurations.

Modification of the CH-53A is cost prohibitive.

12.3.2. **Resources required**. MH-53J helicopter or "J" model trainer.

12.3.3. **Action Required**. Procure the necessary aircraft, equipment, trainers, and modify current trainer.

12.3.4. **OPR and target completion date:** 82 TRSS/TGAO OCR: HQ AETC/DOOI, 360 TRS/TRR. Completion date unknown.

13. Five Level Training: No 5-level CDC constraints exist. However, all operational checks and step-by-step procedures will be removed from the course

14. Seven-Level Training: No 7-level CDC constraints exist. However, all operational checks and step-by-step procedures will be removed from the course

14.1. The seven level resident course currently being trained at Sheppard AFB and being considered for transfer to Fort Eustis, VA to allow for improved instructor utilization, and family grouping.

Section E – Transitional Training Guide. There are no transition training requirements. This area is reserved.

PART II

Section A-- Specialty Training standard

1. Implementation. This STS will be used for technical training provided by AETC for classes beginning 1 August 2003.

2. Purpose. As prescribed in AFI 36-2201, this STS includes the following:

2.1. **Proficiency code key (attachment 1).** provides the various codes used to define learning outcomes that apply to proficiency training and knowledge provided by 3- and 7-level resident training courses and by career development courses.

2.2. **STS Format.**

2.2.1. **Column 1 (Task, Knowledge, and Technical Reference).** the most common tasks, knowledge, and technical references (TR) necessary for airmen to perform duties in the 3-, 5-, and 7-skill levels are listed. All task/knowledge items taught in the initial skills courses are also trained in resident wartime courses.

2.2.2. **Column 2 (Core Tasks).** identified by asterisk (*), specialty-wide training requirements. Core tasks identified with an *R are optional for the AFRC and the ANG. MAJCOM Functional Managers, commanders, and supervisors may designate additional core tasks as necessary. When designated, certify these core tasks using normal core task certification procedures. As a minimum, certification on all AFCFM directed core tasks applicable to the specialty must be completed for skill level upgrade. Exemptions:

2.2.2.1. Core tasks, which are not applicable to base assigned aircraft or equipment, are not required for upgrade. Units are not required to send personnel TDY for core task training.

2.2.2.2. 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 MDSs. 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. All units are bound by the requirements in this CFETP and will accommodate core task trainees from other units.

2.2.3. **Column 3 (Certification of OJT).** used to record completion of tasks and knowledge training requirements. Use automated training management systems to document technician qualifications, if available. Task certification must show a certification completed date.

2.2.4. **Column 4 (Proficiency codes).** defines formal training in initial skills courses, 5- and 7-skill level CDC requirements and 7-level resident course requirements. Proficiency codes reflect the expected learning outcomes for the indicated task statements. When two codes are used in columns 4A or 4C(1) (e.g. 2b/b), the first code is the established requirement for resident training on the task/knowledge, and the second code indicates the level of training provided in the course due to equipment shortages or other resource constraints. See CADRE/AFSC/CDC listing maintained by the unit training manager for current CDC listing.

2.3. **Common requirements (STS attachment 2).** lists tasks and knowledge applicable to all aircraft/AFSC shreds.

2.4. **Job Qualification Standard (JQS)**. STS attachments one and two, along with at least one of attachments three through seven, plus any applicable AF Form 797 continuation sheets, collectively become a JQS for on-the-job training when placed in AF Form 623, *On-The-Job Training Record*,

and used per AFI 36-2201. Use of AF Form 623b is authorized in lieu of AF Form 623. When used as a JQS, the following requirements apply:

2.5. **Documentation.** 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. Document and certify completion of training IAW AFI 36-2201, Chapter 5. Automated records, utilizing CAMS or Global Combat Support System (GCSS), reflecting this STS may be used and are highly encouraged. Use of STS attachments one and two are mandatory in individual training records along with CFETP Part II, Section A. Use of at least one of attachments three through six is required. Identify duty position requirements by circling (in pencil) the subparagraph number next to the task statement. As a minimum, complete the following columns in part 2 of the CFETP: date training was started, date training was completed, trainee initials, trainer initials, and certifier initials (core tasks only). Trainers may sign off non-core and non-critical tasks by initialing the trainer's column; third party certification is not required for non-core and non-critical tasks. There is no approved AFJQS for this AFSC.

2.5.1. **Converting/Transcribing from Old CFETP to newest CFETP.**

2.5.1.2. All previous CFETPs are replaced by this CFETP; therefore, conversion of all training records to this CFETP is mandatory. Use the STS attachments in this CFETP (or automated STS) to identify and certify all past and current qualifications.

2.5.1.3. For those core and critical tasks previously certified and required in the current duty position, evaluate current qualifications and when verified, recertify using current date as completion date, and enter trainee's and certifier's initials.

2.5.1.5. When transcribing previous certification for tasks not required in the current duty position, carry forward only the previous completion date of certification (not the initials of another person). If and when transcribed tasks become duty position requirements, recertify using standard certification procedures.

2.5.1.6. The person whose initials appear in the trainer or certifier block during the transcription process must meet the requirements of their respective roles.

2.5.1.7. Upon completion of the transcription process, give the old CFETP to the member.

2.5.2. **Documenting Career Knowledge.** When a CDC is not available: the supervisor identifies CFETP Part II training references that the trainee requires for career knowledge and ensures, as a minimum, that trainees cover the mandatory items in AFI 36-2108. For two-time CDC course exam failures: Supervisors identify all Part II items corresponding to the areas covered by the CDC. The trainee completes a study of references, undergoes evaluation by the task certifier, and receives certification on the CFETP Part II. ***Supervisors must document successful completion of career knowledge prior to submission of a CDC waiver.***

2.5.4. **Decertification and Recertification.** When an airman is found to be unqualified on a task previously certified for his or her position, the supervisor lines through the previous certification or deletes previous certification when using automated system. Appropriate remarks are entered on the AF Form 623A, *On-The-Job Training Record Continuation Sheet,* as to the reason for decertification. The individual is recertified (if required) either by erasing the old entries and writing in the new or by using correction fluid/tape (if the entries were made in ink) over the previously certified entry.

2.5.5. **AF Form 797, (*JQS Continuation Sheet*)** A form used to document additional tasks not listed in the CFETP Part II but are necessary in the current duty assignment. Use AFMAN 36-2247 to document this form.

2.5.6. **Disposition of Training Records.** Upon separation, retirement, commissioning, or promotion to Master Sergeant (unless otherwise directed by the AFCFM, MAJCOM, unit commander, or supervisor), give the individual their training records. Also, give individuals outdated training records after transcribing records. Do not remove any training records that show past qualifications unless transcribed to a new CFETP/AFJQS. For example, an individual working in a tool crib must maintain documented career field qualifications in case they return to duty on the flightline or in the shop. Supervisors must exercise good judgment when removing training records not needed in current duty positions.

2.6. **Specialty Knowledge Tests** The STS serves as a guide for development of promotion tests used in the Weighted Airman Promotion System (WAPS). Specialty Knowledge Tests are developed at the USAF Occupational Measurement Squadron by senior NCOs with extensive practical experience in their career fields. The tests sample knowledge of STS subject matter areas judged by test development team members as most appropriate for promotion to higher grades. Questions are based upon study references listed in the WAPS catalog. Individual responsibilities are in chapter 14 of AFI 36-2606, *US Air Force Reenlistment, Retention, and NCO Status Programs*. WAPS is not applicable to the Air National Guard or Air Force Reserve.

3. Recommendations. Report unsatisfactory performance of initial skills course graduates to the AETC training manager at 360TRS/TRR, 913 J Avenue, Sheppard AFB TX, 76311-2520. Reference specific STS paragraphs. For a quick response to problems, call our customer service information line**,** DSN 736-5205**.**

BY ORDER OF THE SECRETARY OF THE AIR FORCE

OFFICIAL

MICHAEL E. ZETTLER,
DCS/Installations and Logistics

8 Attachments
1. Proficiency Code Key (Mandatory)
2. STS 2A5X2 Common Training Requirements (Mandatory)
3. STS 2A5X2C H-1 (Optional)
4. STS 2A5X2A H-53 (Optional)
5. STS 2A5X2B H-60 (Optional)
6. STS 2AX7X Aerospace Maintenance Craftsman (Mandatory)
7. H-53 MRA Matrix (Not filed in individual training records)
8. H-60 MRA Matrix (Not filed in individual training records)

This Block Is For Identification Purposes Only		
Name Of Trainee		
Printed Name (Last, First, Middle Initial)	Initials (Written)	SSAN

Printed Name Of Trainer/Certifying Official And Written Initials	
N/I	N/I
N/I	N/I
N/I	N/I
N/I	N/I
N/I	N/I
N/I	N/I
N/I	N/I
N/I	N/I

QUALITATIVE REQUIREMENTS

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

Explanations;

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

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

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

/ This mark is used in course columns to show that training is provided to a level lower than required due to limitations in resources. (3c/b, 2b/b etc.)

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

COMMON TRAINING REQUIREMENTS

STS 2A5X2

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
NOTE: Items in column 2 marked with an (*R) are optional by AFRES and ANG for upgrade.												
A2.1.	**CAREER PROGRESSION TR AFMAN 36-2108**											
A2.1.1.	Progression in career ladder 2A5X2								A	-	-	-
A2.1.2.	Duties of AFS 2A532/52/72								B	-	-	-
A2.1.3.	Core values								-	B	-	-
A2.2.	SPECIFIC OPERATION SECURITY (OPSEC) VULNERABILITIES OF AFSC 2A5X2								A	-	-	-
A2.3.	**AF OCCUPATIONAL SAFETY AND HEALTH (AFOSH) PROGRAM TR: AFOSH STD 91 Series**											
A2.3.1.	**Safety precautions when: TR: See applicable TO covering specific aircraft**											
A2.3.1.1.	Using tools								A	B	-	-
A2.3.1.2.	Using equipment								A	B	-	-
A2.3.1.3.	**Servicing aircraft systems**											
A2.3.1.3.1.	Fuel								A	B	-	-
A2.3.1.3.2.	Oil								A	B	-	-
A2.3.1.3.3.	Compressed air and gases								A	B	-	-
A2.3.1.3.4.	Hydraulic								A	B	-	-
A2.3.1.4.	Performing aircraft maintenance								A	B	-	-
A2.3.2.	Practice housekeeping consistent with safety of personnel, equipment and environment								A	B	-	-
A2.3.3.	**Safety precautions pertaining to: TR: See applicable TO covering specific aircraft**											
A2.3.3.1.	Engine air intake and exhaust								A	B	-	-
A2.3.3.2.	Hazardous noise TR: AFOSH STD 161-20								A	B	-	-
A2.3.3.3.	Rotor and turbine planes of rotation								A	B	-	-
A2.3.3.4.	Antenna radiation								A	B	-	-
A2.3.3.5.	Aircraft electrical system								A	B	-	-

COMMON TRAINING REQUIREMENTS

STS 2A5X2

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A2.3.3.6.	Ground handling of aircraft								A	B	-	-
A2.3.3.7.	Aircraft containing live ammunition and explosive material TR: AFMAN 91-201								A	B	-	-
A2.3.3.8.	Federal Hazardous Communication Training Program TR: AFOSH STD 161-21								B	-	-	-
A2.3.4.	**Hazardous materials and waste handling IAW environmental Standards**											
A2.3.4.1.	Types of hazardous materials/fluids								B	-	-	-
A2.3.4.2.	Handling procedures								B	-	-	-
A2.3.4.3.	Storage and labeling								B	-	-	-
A2.3.4.4.	Proper disposal								B	-	-	-
A2.3.5.	**Fire extinguishers TR: AFI 32-2001; AFOSH STD 91-118: See applicable TO covering specific aircraft**											
A2.3.5.1.	Inspect	*							2b	B	-	-
A2.3.5.2.	Position	*							2b	B	-	-
A2.3.5.3.	Operate								b	B	-	-
A2.3.6.	Foreign object damage (FOD) prevention program TR: AFI 21-101								B	B	-	-
A2.4.	**MAINTENANCE DIRECTIVES AND REFERENCES TR: AFI 37-160VI, AFPD 21-3, TOs 00-5-1, 00-5-2**											
A2.4.1.	TO system								B	B	-	-
A2.4.2.	Use technical publications (during job performance)	*							2b	B	-	-
A2.4.3.	Use Air Force manuals and instructions	*							-	B	-	-
A2.4.4.	Use Interactive Electronic Technical Manual System (IETMS)								2b/x	-	-	-
A2.4.5.	Update aircraft maintenance TO files								b	B	-	-
A2.4.6.	Initiate technical order improvement report								A	B	-	-
A2.4.7.	Use local maintenance operating Instructions								-	-	-	-

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A2.5.	**MAINTENANCE MANAGEMENT**											
A2.5.1.	Basic functions within maintenance TR: TO 00-20 series, AFI 21-101								A	B	-	-
A2.5.2.	Maintenance data collection Core Automated Maintenance System TR: TO 00-20 series								B	B	-	-
A2.5.3.	Processing and controlling of material (reparable assets) TR: AFM 23-110								A	B	-	-
A2.5.4.	Debrief aircrews/CAMS TR: AFI 21-101								-	B	-	-
A2.5.5.	Management of training								-	A	-	-
A2.5.6.	Maintenance Accountability								-	-	B	-
A2.6.	**MAINTENANCE AND INSPECTION**											
A2.6.1.	Maintenance types/categories/levels TR: AFI 21-101								A	B	-	-
A2.6.2.	Inspection concepts TR: AFI 21-101; TO 00-20 series								A	B	-	-
A2.6.3.	Use maintenance data collection forms and CAMS TR: TO 00-20 series								2b	B	-	-
A2.6.4.	Deficiency Reporting Entry And Mail Service (DREAMS) TR: TO 00-35D-54								A	B	-	-
A2.6.5.	Use DREAMS TR: TO 00-35D-54								A	B	-	-
A2.6.6.	Use AFTO Form 781 series TR: TO 00-20 series	*							2b	B	-	-
A2.6.7.	Inventory aircraft -21 equipment TR: AFI 21-103								A	B	-	-
A2.6.8.	Complete equipment condition tags TR: TO 00-20 series	*							1a	B	-	-
A2.6.9.	Maintain support equipment forms TR: TO 00-20 series								2b	B	-	-
A2.6.10.	Maintenance incidence investigation and prevention								-	-	B	-
A2.7.	**SUPERVISION**											
A2.7.1.	Plan work assignments and priorities TR: AFI 21-101								-	-	-	-

COMMON TRAINING REQUIREMENTS

STS 2A5X2

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A2.7.2.	Schedule work assignments TR: AFI 21-101								-	-	-	-
A2.7.3.	**Establish**											
A2.7.3.1.	Work methods								-	-	-	-
A2.7.3.2.	Controls								-	-	-	-
A2.7.3.3.	Performance standards TR: AFI 21-101								-	-	-	-
A2.7.3.4.	Evaluate work performance of subordinate personnel TR: AFI 36-2406								-	-	-	-
A2.7.3.5.	Resolve technical problem for subordinate personnel TR: AFI 21-101								-	-	-	-
A2.7.3.6.	Counsel personnel and resolve individual problems TR: AFI 36-2113								-	-	-	-
A2.7.3.7.	Initiate action to correct substandard performance by personnel TR: AFIs 36-2907, 36-3208								-	-	-	-
A2.8.	**TRAINING TR: AFI 36-2201, 36-2101, AFMAN 36-2108**											
A2.8.1.	Evaluate personnel to determine need for training								-	-	-	-
A2.8.2.	**Plan and supervise OJT**											
A2.8.2.1.	Prepare job qualification standards								-	-	-	-
A2.8.2.2.	Conduct training								-	-	-	-
A2.8.2.3.	Counsel trainees on their progress								-	-	-	-
A2.8.3.	Document training records								-	B	1b	-
A2.9.	**MAINTENANCE MATERIALS AND TOOLS**											
A2.9.1.	**Hardware and securing devices TR: TOs 1-1A-8, 44 series**											
A2.9.1.1.	Purpose								B	-	-	-
A2.9.1.2.	Select								2b	B	-	-
A2.9.1.3.	Use								2b	B	-	-

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A2.9.2.	**Hand tools TR: AFOSH STDs 91 series: TO 32 series**											
A2.9.2.1.	Select								2b	-	-	-
A2.9.2.2.	Maintain								2b	-	-	-
A2.9.2.3.	Use								2b	-	-	-
A2.9.2.4.	Practice Tool control	*							2b	A	-	-
A2.9.3.	**Measuring devices TR: AFOSH STDs 91 series; TO 32 series**											
A2.9.3.1.	**Use propeller protractor**											
A2.9.3.1.1.	Standard								2b	B	-	-
A2.9.3.1.2.	Digital								2b	B	-	-
A2.9.3.2.	Use dial indicator	*							2b	-	-	-
A2.9.3.3.	Use spring scales	*							2b	-	-	-
A2.9.3.4.	Use depth gauges	*							2b	-	-	-
A2.9.3.5.	Use tensiometers	*							2b	B	-	-
A2.9.3.6.	Use torque wrenches	*							2b	B	-	-
A2.9.3.7.	Use micrometers	*							2b	-	-	-
A2.9.3.8.	Use blade checking and filling unit								A	-	-	-
A2.9.3.9.	Use tire pressure gauges								A	-	-	-
A2.9.3.10.	Multimeter								A	-	-	-
A2.9.4.	Aircraft electrical/electronic wiring connectors								A	-	-	-
A2.10.	**RESPONSIBILITIES FOR SUPPLIES**											
A2.10.1.	Maintenance supply concept TR: AFI 23-110								A	B	-	-
A2.10.2.	Critical item list TR: AFI 21-101								-	-	-	-
A2.10.3.	Use special requisition, issue, and turn-in slips TR: AFI 21-101; TO 00-20-3 (See II)								-	A	-	-
A2.10.4.	Order parts with CAMS TR: AFI 23-110								1b	B	-	-
A2.10.5.	Prepare reparable or serviceable parts for turn-in TR: AFI 21-101; TO 00-20-3 (See II)								-	A	-	-

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A2.10.6.	Due In From Maintenance (DIFM) control TR: AFI 23-110								-	A	B	-
A2.11.	**HELICOPTER GENERAL**											
A2.11.1.	**Corrosion control program TR: TOs 1-1-691**											
A2.11.1.1.	Lubricants TR: See applicable TO covering specific systems								A	B	-	-
A2.11.1.2.	Cleaning agents TR: TO 1-1-691								A	B	-	-
A2.11.1.3.	Clean helicopter	*							A	B	-	-
A2.11.1.4.	Identify presence of corrosion								A	B	-	-
A2.11.1.5.	Treat minor corrosion								-	B	-	-
A2.11.1.6.	Evaluate corrosion								-	-	-	-
A2.11.2.	Helicopter markings TR: TO 1-1-4; See applicable TO covering specific aircraft								A	B	-	-
A2.11.3.	Principles of weight and balance TR: See applicable TO covering specific aircraft								-	A	-	-
A2.11.4.	Use schematics/diagrams TR: See applicable TO covering specific aircraft		*						B	B	-	-
A2.11.5.	Special maintenance required due to adverse weather TR: See applicable TO covering specific aircraft								A	-	-	-
A2.11.6.	Shipboard operations								-	A	-	-
A2.12.	**Helicopter systems**											
A2.12.1.	Utility								A	-	-	-
A2.12.2.	Hydraulic/pneumatic								A	-	-	-
A2.12.3.	Powerplant								A	-	-	-
A2.12.4.	Transmission/Drive								A	-	-	-
A2.12.5.	Rotor								A	-	-	-
A2.12.6.	Flight control								A	-	-	-
A2.12.7.	Fuel								A	-	-	-

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A2.12.8. Electrical								A	-	-	-
A2.12.9. Landing Gear								A	-	-	-
A2.13. Troubleshoot Helicopter systems											
A2.13.1. Utility								-	-	c	-
A2.13.2. Hydraulic/pneumatic								-	-	c	-
A2.13.3. Powerplant								-	-	c	-
A2.13.4. Transmission/Drive								-	-	c	-
A2.13.5. Rotor								-	-	c	-
A2.13.6. Flight control								-	-	c	-
A2.13.7. Fuel								-	-	c	-
A2.14. AIRCRAFT SUPPORT EQUIPMENT **USE**											
A2.14.1. Maintenance stands TR: TO 35A4 series								2b	A	-	-
A2.14.2. Aircraft jacks TR: TO 35A2 series								2b	A	-	-
A2.14.3. Nitrogen servicing equipment TR: TO 35D3 series								2b	A	-	-
A2.14.4. Hydraulic servicing cart TR: TO 35D5 series, 35D series								2b	A	-	-
A2.14.5. Universal Trailer (3000) TR: TOs 35B5 series, 35D series								2b	-	-	-
A2.14.6. Tow bars								2b	-	-	-
A2.14.7. Hoisting equipment TR: TOs 35B5 series, 35D series								2b	A	-	-
A2.14.8. Air transport kit TR: 1H-60(M)G-2-4 and TO 1H-53(M)J-39CL-1								-	A	-	-
A2.14.9. Engine wash cart TR: As applicable								-	A	-	-
A2.14.10. Low pressure air compressor TR: TO 34Y1 series ***(Not required for H-60 3 level training)***								2b	A	-	-
A2.14.11. High pressure air compressor TR: TO 34Y1 series ***(Not required for H-60 3 level training)***								2b	A	-	-

COMMON TRAINING REQUIREMENTS

STS 2A5X2

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A2.14.12.	**Portable generators TR: TO 35C2 USE**											
A2.14.12.1.	-86 generator								2b	A	-	-
A2.14.12.2.	AGPU								-	-	-	-
A2.14.13.	Ground heaters and blowers TR: TO 35E7 series								2b	A	-	-
A2.14.14.	Portable lighting equipment TR: TO 35F5 series								2b	A	-	-
A2.14.15.	3 System hydraulic test stand TR: TO 39E series								b	A	-	-

H-1 SPECIFIC ITEMS

STS 2A5X2C

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
NOTE: Items in column 2 marked with an (*R) are optional by AFRES and ANG for upgrade.												
A3.	**H-1 SPECIFIC ITEMS**											
A3.1.	**PERFORM AIRCRAFT INSPECTIONS TR: TO 00-20-5; See applicable TO covering specific aircraft**											
A3.1.1.	**Phase concept**											
A3.1.1.1.	Preflight	*							-	-	-	-
A3.1.1.2.	Thruflight	*							-	-	-	-
A3.1.1.3.	Basic Postflight	*							-	-	-	-
A3.1.1.4.	7 day/10 hour	*							-	-	-	-
A3.1.1.5.	Phase								-	-	-	-
A3.1.2.	**Supplemental inspections**											
A3.1.2.1.	Acceptance								-	-	-	-
A3.1.2.2.	Calendar								-	-	-	-
A3.1.2.3.	Special								-	-	-	-
A3.1.2.4.	Hourly								-	-	-	-
A3.2.	**USE COMMUNICATION EQUIPMENT TR: See applicable TO covering specific aircraft**											
A3.2.1.	Interphone								-	-	-	-
A3.2.2.	UHF								-	-	-	-
A3.2.3.	VHF								-	-	-	-
A3.3.	**PERFORM GROUND HANDLING TR: AFI 11-218, AFOSH STD 91 series, See applicable TO covering specific aircraft**											
A3.3.1.	Launch Helicopter	*							-	-	-	-
A3.3.2.	Recover helicopter	*							-	-	-	-
A3.3.3.	**Tow helicopter**								-	-	-	-
A3.3.3.1.	Perform as tow team member	*							-	-	-	-
A3.3.3.2.	Perform as tow vehicle operator								-	-	-	-
A3.3.3.3.	Perform as tow team supervisor								-	-	-	-
A3.3.4.	Moor helicopter								-	-	-	-

H-1 SPECIFIC ITEMS

STS 2A5X2C

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A3.3.5.	**Jack helicopter**											
A3.3.5.1.	Perform as jacking team member	*							-	-	-	-
A3.3.5.2.	Perform as jacking supervisor								-	-	-	-
A3.3.6.	Level helicopter								-	-	-	-
A3.3.7.	Load helicopter on transport vehicles TR: AFIs 24-201, 24-202, AFPD24-2; TO 00-85								-	-	-	-
A3.3.8.	Disassemble helicopter for air shipment TR: See applicable TO covering specific aircraft								-	-	-	-
A3.3.9.	Reassemble helicopter after air shipment TR: See applicable TO covering specific aircraft								-	-	-	-
A3.3.10.	Perform special maintenance required due to environment TR: See applicable TO covering specific aircraft								-	-	-	-
A3.4.	**AIRFRAME SYSTEMS TR: See applicable TO covering specific aircraft**											
A3.4.1.	Construction features of airframe								-	-	-	-
A3.4.2.	**Remove and install**											
A3.4.2.1.	Airframe components such as cowlings, panels, and doors	*							-	-	-	-
A3.4.2.2.	Cockpit seats								-	-	-	-
A3.4.2.3.	Windshields/ windows								-	-	-	-
A3.4.2.4.	Tailboom/tail pylon								-	-	-	-
A3.5.	**LANDING GEAR SYSTEMS TR: See applicable TO covering specific aircraft**											
A3.5.1.	Landing gear system operation								-	-	-	-
A3.5.2.	Ground handling wheels operation								-	-	-	-
A3.5.3.	Service ground handling wheels	*							-	-	-	-
A3.5.4.	Lubricate ground handling wheels	*							-	-	-	-
A3.5.5.	Perform landing gear deflection check								-	-	-	-

H-1 SPECIFIC ITEMS

STS 2A5X2C

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A3.5.6.	**Remove and install**											
A3.5.6.1.	Skid tubes	*							-	-	-	-
A3.5.6.2.	Skid shoes	*							-	-	-	-
A3.5.6.3.	Cross tubes	*							-	-	-	-
A3.5.7.	Troubleshoot landing gear system								-	-	-	-
A3.6.	**UTILITY SYSTEMS TR: See applicable TO covering specific aircraft**											
A3.6.1.	Utility system operation								-	-	-	-
A3.6.2.	Perform operational check of											
A3.6.2.1.	Hoist	*							-	-	-	-
A3.6.2.2.	Cargo hook								-	-	-	-
A3.6.2.3.	Heating and ventilating	*							-	-	-	-
A3.6.2.4.	Fire detection	*							-	-	-	-
A3.6.2.5.	Windshield wiper	*							-	-	-	-
A3.6.3.	**Remove and install**											
A3.6.3.1.	Cargo hook components								-	-	-	-
A3.6.3.2.	Cabin furnishings	*							-	-	-	-
A3.6.3.3.	**Hoist components**											
A3. 6.3.3.1.	Cable								-	-	-	-
A3.6.3.3.2.	Hook								-	-	-	-
A3.6.3.4.	Heating and ventilating system components								-	-	-	-
A3.6.3.5.	Fire detection system components								-	-	-	-
A3.6.3.6.	Windshield wiper system components	*							-	-	-	-
A3.6.4.	**Adjust**											
A3.6.4.1.	Windshield wiper arm	*							-	-	-	-
A3.6.4.2.	Cargo hook release								-	-	-	-
A3.6.5.	**Service/lubricate**											
A3.6.5.1.	Hoist								-	-	-	-
A3.6.5.2.	Cargo Hook								-	-	-	-

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A3.6.6.	**Troubleshoot**								-	-	-	-
A3.6.6.1.	Hoist		*						-	-	-	-
A3.6.6.2.	Cargo Hook								-	-	-	-
A3.6.6.3.	Heating and ventilating								-	-	-	-
A3.6.6.4.	Fire detection		*						-	-	-	-
A3.6.6.5.	Windshield wiper								-	-	-	-
A3.7.	**FLIGHT CONTROL SYSTEMS TR: See applicable TO covering specific aircraft**											
A3.7.1.	Rotor flight control system Operation								-	-	-	-
A3.7.2.	Perform operational check of flight control systems	*							-	-	-	-
A3.7.3.	**Remove and install**											
A3.7.3.1.	Control rods	*							-	-	-	-
A3.7.3.3.	Bellcranks	*							-	-	-	-
A3..7.3.4.	Control stick	*							-	-	-	-
A3.7.3.5.	Force gradient	*							-	-	-	-
A3.7.3.6.	Magnetic Brakes	*							-	-	-	-
A3.7.3.7.	Synchronized elevators	*							-	-	-	-
A3.7.4.	**Rig**											
A3.7.4.1.	Cyclic		*						-	-	-	-
A3.7.4.2.	Collective		*						-	-	-	-
A3.7.4.3.	Tail rotor		*						-	-	-	-
A3.7.4.4.	Synchronized elevators		*						-	-	-	-
A3.7.5.	Lubricate flight controls	*							-	-	-	-
A3.7.6.	Troubleshoot								-	-	-	-
A3.7.6.1.	Main rotor flight controls		*						-	-	-	-
A3.7.6.2.	Tail rotor flight controls		*						-	-	-	-
A3.8.	**TRANSMISSION AND DRIVE SYSTEMS TR: See applicable TO covering specific aircraft**											
A3.8.1.	Transmission system operation								-	-	-	-

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A3.8.2.	Drive system operation								-	-	-	-
A3.8.3.	Transmission oil system operation								-	-	-	-
A3.8.4.	Adjust transmission oil system								-	-	-	-
A3.8.5.	**Align drive shafts**											
A3.8.5.1.	Main								-	-	-	-
A3.8.5.2.	Tail								-	-	-	-
A3.8.6.	Service transmission system	*							-	-	-	-
A3.8.7.	Service drive system	*							-	-	-	-
A3.8.8.	**Remove and install**											
A3.8.8.1.	Main gearbox	*							-	-	-	-
A3.8.8.2.	42 gearbox	*							-	-	-	-
A3.8.8.3.	90 gearbox	*							-	-	-	-
A3.8.8.4.	Oil cooler and blower	*							-	-	-	-
A3.8.8.5.	Main drive shaft	*							-	-	-	-
A3.8.8.6.	Tail rotor drive shaft	*							-	-	-	-
A3.8.8.7.	Mast assembly	*							-	-	-	-
A3.8.8.8.	Hanger bearing assembly	*							-	-	-	-
A3.8.8.9.	Chip detector	*							-	-	-	-
A3.8.8.10.	Main gearbox pump								-	-	-	-
A3.8.8.11.	Main gearbox oil filter and screen	*							-	-		
A3.8.9.	Troubleshoot transmission system		*						-	-	-	-
A3.8.10.	Troubleshoot drive systems		*						-	-	-	-
A3.9.	**ROTOR SYSTEM TR: See applicable TO covering specific aircraft**											
A3.9.1.	Main rotor system operation								-	-	-	-
A3.9.2.	**Remove and install**											
A3.9.2.1.	Rotor head	*							-	-	-	-
A3.9.2.2.	Dampers	*							-	-	-	-
A3.9.2.3.	Pitch control rods	*							-	-	-	-
A3.9.2.4.	Rotor blades	*							-	-	-	-
A3.9.2.5.	Swashplate assembly	*							-	-	-	-

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A3.9.2.6.	Stabilizer bar	*							-	-	-	-
A3.9.2.7.	Collective Sleeve assembly	*							-	-	-	-
A3.9.2.8.	Grip assembly	*							-	-	-	-
A3.9.2.9.	Mixing levers	*							-	-	-	-
A3.9.3.	Perform minimum blade angle check	*							-	-	-	-
A3.9.4.	Perform autorotation adjustment	*							-	-	-	-
A3.9.5.	Balance stabilizer bar	*							-	-	-	-
A3.9.6.	**Service**											
A3.9.6.1.	Damper system	*							-	-	-	-
A3.9.6.2.	Lube main rotor hub	*							-	-	-	-
A3.9.7.	Lubricate system components	*							-	-	-	-
A3.9.8.	Troubleshoot main rotor system		*						-	-	-	-
A3.9.9.	Tail rotor system operation								-	-	-	-
A3.9.10.	**Remove and install**											
A3.9.10.1.	Blades	*							-	-	-	-
A3.9.10.2.	Head	*							-	-	-	-
A3.9.10.3.	Tail rotor hub bearing								-	-	-	-
A3.9.11.	Service/lubricate tail rotor								-	-	-	-
A3.9.12.	Troubleshoot tail rotor system								-	-	-	-
A3.10.	**HYDRAULIC SYSTEMS TR: See applicable TO covering specific aircraft**											
A3.10.1.	Hydraulic system operation								-	-	-	-
A3.10.2.	**Perform operational check**											
A3.10.2.1.	#1 hydraulic system	*							-	-	-	-
A3.10.2.2.	#2 hydraulic system	*							-	-	-	-
A3.10.2.3.	Rotor brake	*							-	-	-	-
A3.10.3.	**Remove and install**											
A3.10.3.1.	Power cylinder	*							-	-	-	-
A3.10.3.2.	Integrated valve assembly								-	-	-	-
A3.10.3.3.	Pumps	*							-	-	-	-
A3.10.3.4.	Filters	*							-	-	-	-

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A3.10.3.5.	Rotor brake	*							-	-	-	-
A3.10.3.6.	Tail rotor power cylinder	*							-	-	-	-
A3.10.4.	Service Reservoirs	*							-	-	-	-
A3.10.5.	**Troubleshoot**											
A3.10.5.1.	#1 hydraulic system		*						-	-	-	-
A3.10.5.2.	#2 hydraulic system		*						-	-	-	-
A3.10.5.3.	Rotor brake		*						-	-	-	-
A3.11.	**POWER PLANT AND RELATED SYSTEMS TR: See applicable TO covering specific aircraft**											
A3.11.1.	Turboshaft engine operation								-	-	-	-
A3.11.2.	**Power plant system operation**											
A3.11.2.1.	Ignition								-	-	-	-
A3.11.2.2.	Fuel								-	-	-	-
A3.11.2.3.	Oil								-	-	-	-
A3.11.2.4.	Air particle separator System								-	-	-	-
A3.11.2.5.	Engine actuating system								-	-	-	-
A3.11.2.6.	Combining gearbox (CGB)								-	-	-	-
A3.11.3.	**Remove and install**											
A3.11.3.1.	Oil pressure switch								-	-	-	-
A3.11.3.2.	Ignition unit								-	-	-	-
A3.11.3.3.	Ignitor plug								-	-	-	-
A3.11.3.4.	Tail pipe	*							-	-	-	-
A3.11.3.5.	Chip detector								-	-	-	-
A3.11.3.6.	Air particle separator								-	-	-	-
A3.11.3.7.	Engine								-	-	-	-
A3.11.3.8.	Engine inlet	*							-	-	-	-
A3.11.3.9.	Filters and screens								-	-	-	-
A3.11.3.10.	Torque control unit								-	-	-	-
A3.11.3.11.	Fuel flow transmitter								-	-	-	-
A3.11.3.12.	Fuel control								-	-	-	-

H-1 SPECIFIC ITEMS

STS 2A5X2C

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A3.11.4.	Service engine oil system	*							-	-	-	-
A3.11.5.	Troubleshoot engine system								-	-	-	-
A3.11.6.	Take engine oil samples (JOAP) TR: TOs 33-1-37, 42B2-1-9	*							-	-	-	-
A3.11.7.	Clean engine compressor	*							-	-	-	-
A3.11.8.	Rig engine controls		*						-	-	-	-
A3.11.10.	Perform operational checks								-	-	-	-
A3.11.11.	Adjust engine settings								-	-	-	-
A3.12.	**FUEL SYSTEM** **TR: See applicable TO covering specific aircraft; AFOSH STD 91 series**											
A3.12.1.	Fuel system operation								-	-	-	-
A3.12.2.	**Perform operational check**											
A3.12.2.1.	Main	*							-	-	-	-
A3.12.2.2.	Auxiliary	*							-	-	-	-
A3.12.3.	**Refuel Helicopter** **TR: TO 00-25-172**											
A3.12.3.1.	**Pressure procedure**											
A3.12.3.1.1.	Perform as refuel team member	*							-	-	-	-
A3.12.3.1.2.	Perform as refuel team supervisor		*						-	-	-	-
A3.12.3.2.	**Gravity procedure**											
A3.12.3.2.1.	Perform as refuel team member	*							-	-	-	-
A3.12.3.2.2.	Perform as refuel team supervisor		*						-	-	-	-
A3.12.4.	**Defuel Helicopter** **TR: TO 00-25-172**											
A3.12.4.1.	**Pressure procedure**											
A3.12.4.1.1.	Perform as defuel team member	*							-	-	-	-
A3.12.4.1.2.	Perform as defuel team supervisor		*						-	-	-	-
A3.12.4.2.	**Suction procedure**											
A3.12.4.2.1.	Perform as defuel team member								-	-	-	-
A3.12.4.2.2.	Perform as defuel team supervisor								-	-	-	-
A3.12.5.	Prepare helicopter for fuel cell Maintenance TR: TOs 00-25-172, 1-1-3	*							-	-	-	-

H-1 SPECIFIC ITEMS

STS 2A5X2C

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A3.12.6.	**Remove and install**											
A3.12.6.1.	Filters	*							-	-	-	-
A3.12.6.2.	Auxiliary tanks								-	-	-	-
A3.12.6.3.	Transfer pump								-	-	-	-
A3.12.6.4.	Interconnect valve								-	-	-	-
A3.12.6.5.	Fuel quantity component								-	-	-	-
A3.12.6.6.	Fuel cell foam								-	-	-	-
A3.12.6.7.	Troubleshoot fuel system								-	-	-	-
A3.13.	**ELECTRICAL SYSTEM TR: See applicable TO covering specific aircraft**											
A3.13.1.	Electrical system operation								-	-	-	-
A3.13.2.	**Perform operational check**											
A3.13.2.1.	AC electrical power system	*							-	-	-	-
A3.13.2.2.	DC electrical power system	*							-	-	-	-
A3.13.2.3.	Interior light system	*							-	-	-	-
A3.13.2.4.	Exterior light system	*							-	-	-	-
A3.13.3.	**Remove and install**											
A3.13.3.1.	Batteries	*							-	-	-	-
A3.13.3.2.	Starter generator	*							-	-	-	-
A3.13.3.3.	Inverter								-	-	-	-
A3.13.3.4.	Landing/search light								-	-	-	-
A3.13.4.	Connect/apply external electrical power	*							-	-	-	-
A3.13.5.	Disconnect external electrical power	*							-	-	-	-
A3.13.6.	Adjust the DC voltage regulator								-	-	-	-
A3.13.7.	Troubleshoot electrical system								-	-	-	-
A3.14.	**INSTRUMENT SYSTEM TR: See applicable TO covering specific aircraft**											
A3.14.1.	Instrument system operation								-	-	-	-
A3.14.2.	Remove instruments								-	-	-	-

H-1 SPECIFIC ITEMS

STS 2A5X2C

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A3.14.3.	Install instruments								-	-	-	-
A3.14.4.	Drain pitot-static system								-	-	-	-
A3.14.5.	Troubleshoot instruments								-	-	-	-
A3.15.	**AIRCRAFT VIBRATIONS TR: See applicable TO covering specific aircraft**											
A3.15.1.	Dynamically Track and balance main rotor		*						-	-	-	-
A3.15.2.	**Track and balance tail rotor**											
A3.15.2.1.	Statically								-	-	-	-
A3.15.2.2.	Dynamically		*						-	-	-	-
A3.15.3.	Adjust main rotor blades	*							-	-	-	-
A3.15.4.	Adjust tail rotor blades	*							-	-	-	-
A3.15.5.	**Balance drive shaft**											
A3.15.5.1.	Tail drive shaft	*							-	-	-	-
A3.15.5.2.	Main drive shaft	*							-	-	-	-
A3.15.6.	**Use**											
A3.15.6.1.	8500/VMS-DTU analyzer								-	-	-	-
A3.15.6.2.	Spectrum analyzer								-	-	-	-
A3.15.7.	Troubleshoot using 8500/VMS-DTU analyzer		*						-	-	-	-

H-53 SPECIFIC ITEMS

STS 2A5X2A

		2.		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
1. Tasks, Knowledge And Technical References		Core Tasks		A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
NOTE: Items in column 2 marked with an (*R) are not required by AFRES and ANG for upgrade.												
A4.	**H-53 SPECIFIC ITEMS**											
A4.1.	**PERFORM AIRCRAFT INSPECTIONS TR: TO 00-20-5; See applicable TO covering specific aircraft**											
A4.1.1.	**Phase concept**											
A4.1.1.1.	Phase								A	B	-	-
A4.1.1.2.	Preflight	*							2b	B	-	-
A4.1.1.3.	Thruflight	*							2b	B	-	-
A4.1.1.4.	Basic Postflight	*							2b	B	-	-
A4.1.2.	**Supplemental inspections**											
A4.1.2.1.	Acceptance								A	B	-	-
A4.1.2.2.	Calendar								A	B	-	-
A4.1.2.3.	Special								A	B	-	-
A4.1.2.4.	Hourly								A	B	-	-
A4.2.	**USE COMMUNICATION EQUIPMENT TR: See applicable TO covering specific aircraft**											
A4.2.1.	Interphone	*							3c	A	-	-
A4.2.2.	UHF								-	-	-	-
A4.2.3.	VHF								-	-	-	-
A4.3.	**PERFORM GROUND HANDLING TR: AFI 11-218,AFOSH STD 91 series, See index for applicable TO**											
A4.3.1.	Launch helicopter	*							3c	-	-	-
A4.3.2.	Recover helicopter	*							3c	-	-	-
A4.3.3.	**Tow helicopter**											
A4.3.3.1.	Perform as tow team member	*							3c	B	-	-
A4.3.3.2.	Perform as tow brake operator	*							3c	B	-	-
A4.3.3.3.	Perform as tow vehicle operator								-	-	-	-
A4.3.3.4.	Perform as tow team supervisor		*						-	A	-	-
A4.3.4.	Moor helicopter								A	B	-	-

H-53 SPECIFIC ITEMS

STS 2A5X2A

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A4.3.5.	**Jack helicopter**											
A4.3.5.1.	Perform as jacking team member	*							3c	B	-	-
A4.3.5.2.	Perform as jacking team supervisor		*						-	-	-	-
A4.3.6.	Level helicopter								A	B	-	-
A4.3.7.	Load helicopter on transport vehicles TR: AFIs 24-201, 24-202; AFPD24-2; TO 00-85 series								A	B	-	-
A4.3.8.	Disassemble helicopter for air shipment TR: TO 1H53-(M)J-39CL-1								A	B	-	-
A4.3.9.	Reassemble helicopter after air shipment TR: TO 1H53-(M)J-39CL-1								A	B	-	-
A4.3.10.	Perform special maintenance required due to environment TR: See applicable TO covering specific aircraft								A	B	-	-
A4.4.	**AIRFRAME SYSTEMS TR: See applicable TO covering specific aircraft**											
A4.4.1.	Construction features of airframe								A	B	-	-
A4.4.2.	**Remove and install**											
A4.4.2.1.	Airframe components such as cowlings, panels, and doors	*							2b	-	-	-
A4.4.2.2.	Cockpit seats								b	-	-	-
A4.4.2.3.	Windshield/windows								-	-	-	-
A4.4.2.4.	Tail pylon								-	-	-	-
A4.5.	**LANDING GEAR SYSTEMS TR: See applicable TO covering specific aircraft**											
A4.5.1.	Landing gear system operation								A	B	-	-
A4.5.2.	**Perform operational check**											
A4.5.2.1.	Landing gear	*							2b	-	-	-
A4.5.2.2.	Brakes	*							3c	-	-	-
A4.5.3.	**Service/bleed**											
A4.5.3.1.	Emergency extension system								2b	-	-	-
A4.5.3.2.	Shock strut	*							2b	A	-	-

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A4.5.3.3.	Tires TR: TO 4T-1-3	*							2b	-	-	-
A4.5.3.4.	Brakes	*							3c	-	-	-
A4.5.4.	Lubricate landing gear components	*							2b	-	-	-
A4.5.6.	**Remove and install**											
A4.5.6.1.	Wheel and tire assemblies	*							3c	-	-	-
A4.5.6.2.	Brake assemblies	*							3c	-	-	-
A4.5.6.3.	Landing gear components								-	-	-	-
A4.5.7.	**Troubleshoot**											
A4.5.7.1.	Landing gear system		*						-	A	-	B
A4.5.7.2.	Brake system		*						-	A	-	B
A4.6.	**UTILITY SYSTEMS TR: See applicable TO covering specific aircraft**											
A4.6.1.	Utility system operation								A	B	-	-
A4.6.2.	**Perform operational check of**											
A4.6.2.1.	Hoist	*							2b	-	-	-
A4.6.2.2.	Cargo hook								2b	-	-	-
A4.6.2.3.	Heating and ventilating								2b	-	-	-
A4.6.2.4.	Fire detection	*							2b	-	-	-
A4.6.2.5.	Windshield wiper								2b	-	-	-
A4.6.2.6.	Windshield anti-ice	*							2b	-	-	-
A4.6.2.7.	Cargo ramp	*							2b	-	-	-
A4.6.2.8.	Blade and pylon fold system								A	-	-	-
A4.6.2.9.	Bleed blade/pylon fold system								-	-	-	-
A4.6.3.	**Remove and install**											
A4.6.3.1.	Cargo hook components								2b	-	-	-
A4.6.3.2.	Cabin furnishings								-	-	-	-
A4.6.3.3.	**Hoist components**											
A4.6.3.3.1.	Cable	*							A	-	-	-
A4.6.3.3.2.	Hook	*							2b	-	-	-
A4.6.3.4.	Heating and ventilating system components								-	-	-	-

H-53 SPECIFIC ITEMS

STS 2A5X2A

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A4.6.3.5.	Fire detection system components								-	-	-	-
A4.6.3.6.	Windshield anti-ice system components								-	-	-	-
A4.6.3.7.	Windshield wiper system components	*							2b	-	-	-
A4.6.3.8.	Cargo ramp system components								-	-	-	-
A4.6.3.9.	**Blade/pylon fold system components**											
A4.6.3.9.1.	Blade support rods								a	-	-	-
A4.6.3.9.2.	Centering bearing								a	-	-	-
A4.6.3.9.3.	Blade fold lock assembly								a	-	-	-
A4.6.3.9.4.	Main rotor blade fold hinge								a	-	-	-
A4.6.3.9.5.	Rotor gust lock								a	-	-	-
A4.6.3.9.6.	Hydraulic rotary coupling								a	-	-	-
A4.6.3.9.7.	Blade fold valves								a	-	-	-
A4.6.3.9.8.	Primary servo pitch locks								a	-	-	-
A4.6.3.9.9.	Blade/pylon fold hydraulic components								a	-	-	-
A4.6.3.9.10.	Tail rotor head positioner cam								a	-	-	-
A4.6.3.9.11.	Blade/pylon fold electrical components								a	-	-	-
A4.6.4.	**Adjust**											
A4.6.4.1.	Windshield wiper arm	*							2b	-	-	-
A4.6.4.2.	Cargo hook release								a		-	-
A4.6.4.3.	Cargo ramp								-	-	-	-
A4.6.4.4.	Blade and pylon fold proximity sensors								-	-	-	-
A4.6.5.	**Service/lubricate**											
A4.6.5.1.	Windshield washer reservoir								-	-	-	-
A4.6.5.2.	Hoist								2b	-	-	-
A4.6.5.3.	Cargo hook								a	-	-	-
A4.6.6.	**Perform duties during blade/pylon fold operations**											
A4.6.6.1.	Forward observer	*							a	-	-	-

H-53 SPECIFIC ITEMS

STS 2A5X2A

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A4.6.6.2.	Top observer	*							a	-	-	-
A4.6.6.3.	Tail observer	*							a	-	-	-
A4.6.6.4.	Supervise blade/pylon fold operations		*						-	-	-	-
A4.6.7.	**Troubleshoot**											
A4.6.7.1.	Hoist		*						-	A	-	B
A4.6.7.2.	Cargo hook								-	-	-	-
A4.6.7.3.	Heating and ventilating		*						-	A	-	-
A4.6.7.4.	Fire detection								-	A	-	B
A4.6.7.5.	Windshield wiper								-	-	-	-
A4.6.7.6.	Windshield anti-ice								-	-	-	-
A4.6.7.7.	Blade/pylon fold								-	A	-	B
A4.7.	**FLIGHT CONTROL SYSTEMS TR: See applicable TO covering specific aircraft**											
A4.7.1.	Rotor flight control system operation								A	B	-	-
A4.7.2.	Perform operational check of flight control systems								2b	-	-	-
A4.7.3.	**Remove and install**											
A4.7.3.1.	Control rods	*							2b	-	-	-
A4.7.3.2.	Idlers	*							2b	-	-	-
A4.7.3.3.	Pulleys								b	-	-	-
A4.7.3.4.	Bellcranks	*							2b	-	-	-
A4.7.3.5.	Control stick	*							2b	-	-	-
A4.7.3.6.	Centering cylinder	*							2b	-	-	-
A4.7.3.7.	Quadrants								b	-	-	-
A4.7.3.8.	Cables	*							2b	-	-	-
A4.7.4.	**Rig**											
A4.7.4.1.	Main rotor		*						b	-	-	A
A4.7.4.2.	Tail rotor		*						1b	-	-	A
A4.7.5.	**Quick rig**											
A4.7.5.1.	Main rotor	*							b	A	-	-

H-53 SPECIFIC ITEMS

STS 2A5X2A

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A4.7.5.2.	Tail rotor	*							1b	A	-	-
A4.7.6.	**Troubleshoot**											
A4.7.6.1.	Main rotor flight controls		*						-	A	-	B
A4.7.6.2.	Tail rotor flight controls		*						-	A	-	B
A4.8.	**TRANSMISSION AND DRIVE SYSTEMS** **TR: See index for applicable TO covering specific aircraft**											
A4.8.1.	Transmission system operation								A	B	-	-
A4.8.2.	Drive system operation								A	B	-	-
A4.8.3.	Transmission oil system operation								A	B	-	-
A4.8.4.	Adjust transmission oil system								a	-	-	-
A4.8.5.	**Align drive shafts**											
A4.8.5.1.	Input								b	-	-	-
A4.8.5.2.	Tail rotor								b	-	-	-
A4.8.5.3.	Auxiliary Power Plant (APP)								b	-	-	-
A4.8.6.	Service transmission system	*							3c	-	-	-
A4.8.7.	Service drive system	*							3c	-	-	-
A4.8.8.	**Remove and install**											
A4.8.8.1.	Accessory gearbox		*						2b	-	-	-
A4.8.8.2.	Main gearbox		*						2b	-	-	-
A4.8.8.3.	Intermediate gearbox		*						2b	-	-	-
A4.8.8.4.	Tail gearbox		*						2b	-	-	-
A4.8.8.5.	Oil cooler and blower	*							2b	-	-	-
A4.8.8.6.	Auxiliary power plant drive shaft	*							2b	-	-	-
A4.8.8.7.	Input drive shaft	*							2b	-	-	-
A4.8.8.8.	Accessory gearbox drive shaft	*							2b	-	-	-
A4.8.8.9.	Oil cooler drive shaft	*							2b	-	-	-
A4.8.8.10.	Tail rotor drive shaft	*							2b	-	-	-
A4.8.8.11.	Tail rotor drive shaft disconnect coupling								a	-	-	-
A4.8.8.12.	Viscous damper bearing assembly	*							1b	-	-	-

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A4.8.8.13.	**Chip detector**											
A4.8.8.13.1.	Sump	*							3c	-	-	-
A4.8.8.13.2.	Spoon	*							3c	-	-	-
A4.8.8.13.3.	Input	*							b	-	-	-
A4.8.8.13.4.	Accessory gearbox	*							b	-	-	-
A4.8.8.13.5.	Intermediate gearbox	*							b	-	-	-
A4.8.8.13.6.	Tail Gearbox	*							b	-	-	-
A4.8.8.14.	Main gearbox pump								b	-	-	-
A4.8.8.15.	Main gearbox oil filter assembly	*							2b	-	-	-
A4.8.8.16.	Main gearbox tach generator								2b	-	-	-
A4.8.9.	Troubleshoot transmission system		*						-	A	-	B
A4.8.10.	Troubleshoot drive system		*						-	A	-	B
A4.8.11.	Lubricate tail rotor drive shaft disconnect coupling	*							a	-	-	-
A4.9.	**ROTOR SYSTEM TR: See applicable TO covering specific aircraft**											
A4.9.1.	**Main rotor**											
A4.9.1.1.	Rotor system operation								A	B	-	-
A4.9.1.2.	Inflight Blade Inspection System (IBIS) operation								A	A	-	-
A4.9.2.	**Remove and install**											
A4.9.2.1.	Rotor head		*						2b	-	-	-
A4.9.2.2.	Sleeve assembly								2b/b	-	-	-
A4.9.2.3.	Dampers	*							2b/b	-	-	-
A4.9.2.4.	Outboard damper bearings								-	-	-	-
A4.9.2.5.	Damper accumulator	*							2b/b	-	-	-
A4.9.2.6.	Isolation accumulator								a	-	-	-
A4.9.2.7.	Pitch control rods	*							2b/b	-	-	-
A4.9.2.8.	Rotor blades	*							2b	-	-	-
A4.9.2.9.	Swashplate assembly		*						2b	-	-	-
A4.9.2.10.	Elastomeric bearing								-	-	-	-
A4.9.2.11.	IBIS detector								2b	-	-	-

H-53 SPECIFIC ITEMS

STS 2A5X2A

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A4.9.2.12.	IBIS indicator	*							2b	-	-	-
A4.9.2.13.	Droop stop Assembly								2b/b	-	-	-
A4.9.2.14.	Flap stop Assembly								2b/b	-	-	-
A4.9.3.	Perform pretrack rig	*							1b	-	-	-
A4.9.4.	Perform autorotation adjustment	*							2b/b	-	-	-
A4.9.5.	**Service**											
A4.9.5.1.	Damper system	*							2b	-	-	-
A4.9.5.2.	Blades	*							2b	-	-	-
A4.9.6.	Lubricate system components	*							2b	-	-	-
A4.9.7.	Troubleshoot main rotor system		*						-	A	-	B
A4.9.8.	Tail rotor system operation								A	B	-	-
A4.9.9.	**Remove and install**											
A4.9.9.1.	Blades	*							2b	-	-	-
A4.9.9.2.	Tail rotor head and components	*							2b	-	-	-
A4.9.10.	Service tail rotor	*							b	-	-	-
A4.9.11.	Troubleshoot tail rotor system		*						-	A	-	B
A4.10.	**HYDRAULIC SYSTEM TR: See applicable TO covering specific aircraft**											
A4.10.1.	Hydraulic system operation								A	B	-	-
A4.10.2.	**Perform operational check**											
A4.10.2.1.	First stage hydraulic	*							-	-	-	-
A4.10.2.2.	Second stage hydraulic	*							-	-	-	-
A4.10.2.3.	Utility hydraulic	*							-	-	-	-
A4.10.2.4.	Rotor brake								2b	-	-	-
A4.10.3.	**Remove and install**											
A4.10.3.1.	Primary servos	*							2b/1b	-	-	-
A4.10.3.2.	Automatic Flight Control System (AFCS) servos								b	-	-	-
A4.10.3.3.	Manifold								b	-	-	-
A4.10.3.4.	Pumps	*							2b	-	-	-
A4.10.3.5.	Filters	*							2b	-	-	-

H-53 SPECIFIC ITEMS

STS 2A5X2A

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A4.10.3.6.	Rotor brake	*							2b	-	-	-
A4.10.3.7.	Tail rotor servo		*						1b	-	-	-
A4.10.4.	Service reservoirs	*							2b	-	-	-
A4.10.5.	**Troubleshoot**											
A4.10.5.1.	First stage		*						-	A	-	B
A4.10.5.2.	Second stage		*						-	A	-	B
A4.10.5.3.	Utility		*						-	A	-	B
A4.10.5.4.	Rotor brake		*						-	A	-	B
A4.11.	**POWER PLANT AND RELATED SYSTEMS TR: See applicable TO covering specific aircraft**											
A4.11.1.	Turboshaft engine operation								A	B	-	-
A4.11.2.	**Power plant system operation**											
A4.11.2.1.	Ignition								A	B	-	-
A4.11.2.2.	Fuel								A	B	-	-
A4.11.2.3.	Oil								A	B	-	-
A4.11.2.4.	Engine air particle separator system								A	B	-	-
A4.11.2.5.	Engine actuating system								A	B	-	-
A4.11.2.6.	Anti-icing								A	B	-	-
A4.11.3.	**Remove and install**											
A4.11.3.1.	Oil pressure switch								2b	-	-	-
A4.11.3.2.	Oil quantity switch								2b	-	-	-
A4.11.3.3.	Ignition unit								2b	-	-	-
A4.11.3.4.	Ignitor plug								2b	-	-	-
A4.11.3.5.	Tail pipe								2b	-	-	-
A4.11.3.6.	Engine Chip detector	*							2b	-	-	-
A4.11.3.7.	Air particle separator	*							2b	-	-	-
A4.11.3.8.	Engine								b	-	-	-
A4.11.3.9.	Engine inlet								b	-	-	-
A4.11.3.10.	Anti-ice components								-	-	-	-
A4.11.3.11.	Fuel control								b	-	-	-

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A4.11.4.	Service engine oil system	*							2b	-	-	-
A4.11.5.	Troubleshoot engine system								-	A	-	B
A4.11.6.	Take engine oil samples (JOAP) TR: TOs 33-1-37, 42B2-1-9	*							3c	-	-	-
A4.11.7.	Clean engine compressor								b	-	-	-
A4.11.8.	Rig engine controls								-	-	-	A
A4.11.9.	Perform operational checks								-	-	-	A
A4.12.	**FUEL SYSTEMS** **TR: See applicable TO covering specific aircraft; AFOSH STD 91 series**											
A4.12.1.	Fuel system operation								A	B	-	-
A4.12.2.	**Perform operational check**											
A4.12.2.1.	Main	*							2b	A	-	-
A4.12.2.2.	Auxiliary	*							2b	A	-	-
A4.12.2.3.	Inflight								2b	A	-	-
A4.12.3.	**Refuel helicopter** **TR: TO 00-25-127**											
A4.12.3.1.	**Pressure procedure**											
A4.12.3.1.1.	Perform as refuel team member	*							3c	A	-	-
A4.12.3.1.2.	Perform as refuel team supervisor		*						-	A	-	-
A4.12.3.2.	**Gravity procedure**											
A4.12.3.2.1.	Perform as refuel team member								b	A	-	-
A4.12.3.2.2.	Perform as refuel team Supervisor								-	A	-	-
A4.12.4.	**Defuel helicopter** **TR: TO 00-25-172**											
A4.12.4.1.	**Pressure procedure**											
A4.12.4.1.1.	Perform as defuel team member	*							b	A	-	-
A4.12.4.1.2.	Perform as defuel team supervisor		*						-	A	-	-
A4.12.4.2.	**Gravity procedure**											
A4.12.4.2.1.	Perform as gravity defuel team member								b	A	-	-
A4.12.4.2.2.	Perform as gravity defuel team supervisor								-	A	-	-

H-53 SPECIFIC ITEMS

STS 2A5X2A

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A4.12.5.	Prepare helicopter for fuel cell maintenance TR: TOs 00-25172, 1-1-3								b	-	-	-
A4.12.6.	**Remove and install**											
A4.12.6.1.	Filters								2b	-	-	-
A4.12.6.2.	Auxiliary tanks	*							2b/b	-	-	-
A4.12.6.3.	A/R probe components								2b	-	-	-
A4.12.6.4.	Dump pump								-	-	-	-
A4.12.6.5.	Bleed air selector valve								2b	-	-	-
A4.12.6.6.	Dump valve								-	-	-	-
A4.12.6.7.	A/R probe								a	-	-	-
A4.12.6.8.	Fuel quantity components								-	-	-	-
A4.12.7.	Troubleshoot fuel system		*						-	A	-	B
A4.13.	**ELECTRICAL SYSTEMS** **TR: See applicable TO covering specific aircraft**											
A4.13.1.	Electrical system operation								A	B	-	-
A4.13.2.	**Perform operational check**											
A4.13.2.1.	AC electrical power system								A	-	-	-
A4.13.2.2.	DC electrical power system								A	-	-	-
A4.13.2.3.	Interior light systems								1b	-	-	-
A4.13.2.4.	Exterior light systems								1b	-	-	-
A4.13.3.	**Remove and install**											
A4.13.3.1.	Batteries	*							a	-	-	-
A4.13.3.2.	Generator								2b	-	-	-
A4.13.3.3.	Current limiter								-	-	-	-
A4.13.3.4.	Transformer rectifier								-	-	-	-
A4.13.3.5.	Landing/search light								2b	-	-	-
A4.13.4.	Connect/disconnect external electrical power	*							3c	-	-	-
A4.13.5.	Troubleshoot electrical system								-	A	-	B

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A4.14.	**INSTRUMENT SYSTEMS TR: See applicable TO covering specific aircraft**											
A4.14.1.	Instrument system operation								A	B	-	-
A4.14.2.	Remove/install instruments								2b	-	-	-
A4.14.3.	Drain pitot-static system								1b	-	-	-
A4.14.4.	Perform operational check of the instruments and AFCS system								a	-	-	-
A4.14.5.	Troubleshoot instruments								-	A	-	B
A4.15.	**AUXILIARY POWER PLANT TR: See applicable TO covering specific aircraft**											
A4.15.1.	Auxiliary power plant assembly operation								A	B	-	-
A4.15.2.	**Remove and install**											
A4.15.2.1.	Clutch	*							2b	-	-	-
A4.15.2.2.	Chip Detector	*							2b	-	-	-
A4.15.2.3.	Hydraulic starter								b	-	-	-
A4.15.2.4.	APP assembly								b	-	-	-
A4.15.2.5.	APP Ignitor plug								2b	-	-	-
A4.15.2.6.	APP accumulator	*							2b	-	-	-
A4.15.3.	Operate APP	*							2b	-	-	-
A4.15.4.	Adjust APP fuel control								-	-	-	-
A4.15.5.	**Service**											
A4.15.5.1.	Oil tank								2b	-	-	-
A4.15.5.2.	Accumulator	*							3c	-	-	-
A4.15.6.	Troubleshoot auxiliary power plant system								-	A	-	B
A4.16.	**AIRCRAFT VIBRATIONS TR: See applicable TO covering specific aircraft**											
A4.16.1.	Track and balance main rotor dynamically		*						b	-	-	-
A4.16.2.	Track and balance tail rotor dynamically		*						b	-	-	-
A4.16.3.	Adjust main rotor blades	*							2b/b	-	-	-

H-53 SPECIFIC ITEMS

STS 2A5X2A

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A4.16.4.	Adjust tail rotor blades	*							2b	-	-	-
A4.16.5.	Use /Vibration Monitor System-Data Transfer Unit (VMS-DTU)		*						2b/A	B	-	-
A4.16.6.	Troubleshoot using VMS-DTU analyzer		*						-	A	-	B

H-60 SPECIFIC ITEMS

STS 2A5X2B

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
NOTE: Items in column 2 marked with an (*R) are not required by AFRES and ANG for upgrade.												
A5.	**H-60 SPECIFIC ITEMS**											
A5.1.	**PERFORM AIRCRAFT INSPECTIONS TR: TO 00-20-5; See applicable TO covering specific aircraft**											
A5.1.1.	Periodic concept								-	A	-	-
A5.1.2.	**10 hour/14 day**											
A5.1.2.1.	Section 1- Cockpit	*							2b/1b	A	-	-
A5.1.2.2.	Section 2- Fuselage cabin	*							2b/1b	A	-	-
A5.1.2.3.	Section 3- Fuselage transition	*							2b/1b	A	-	-
A5.1.2.4.	Section 4- Fuselage aft	*							2b/1b	A	-	-
A5.1.2.5.	Section 5- Tail pylon	*							2b/1b	A	-	-
A5.1.2.6.	Section 6- Main rotor	*							2b/1b	A	-	-
A5.1.3.	Alert Thruflight								-	-	-	-
A5.1.4.	500 hour periodic								A	B	-	-
A5.1.5.	**Supplemental inspections**											
A5.1.5.1.	Acceptance								A	B	-	-
A5.1.5.2.	Calendar								A	B	-	-
A5.1.5.3.	Special								A	B	-	-
A5.1.5.4.	Hourly								A	B	-	-
A5.2.	**USE COMMUNICATION EQUIPMENT TR: See applicable TO covering specific aircraft**											
A5.2.1.	Interphone	*							3c/x	B	-	-
A5.2.2.	UHF								-	-	-	-
A5.2.3.	VHF								-	-	-	-
A5.3.	**PERFORM GROUND HANDLING TR: AFI11-218, AFOSH STD 91 series, See applicable TO covering specific aircraft**											
A5.3.1.	Launch helicopter	*							3c/x	-	-	-
A5.3.2.	Recover helicopter	*							3c/x	-	-	-

H-60 SPECIFIC ITEMS

STS 2A5X2B

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A5.3.3.	**Tow helicopter**											
A5.3.3.1.	Perform as tow team member	*							3c/2b	B	-	-
A5.3.3.2.	Perform as tow brake operator	*							3c/a	B	-	-
A5.3.3.3.	Perform as tow vehicle operator								-	-	-	-
A5.3.3.4.	Perform as tow team supervisor		*						-	-	-	-
A5.3.4.	Moor helicopter								A	B	-	-
A5.3.5.	**Jack helicopter**											
A5.3.5.1.	Perform as jacking team member	*							2b/A	A	-	-
A5.3.5.2.	Perform as jacking supervisor		*						-	-	-	-
A5.3.6.	Level helicopter								-	B	-	-
A5.3.7.	Load helicopter on transport aircraft TR: AFIs 24-201, 24-202, AFPD24-22; TO 00-85 series								A	B	-	-
A5.3.8.	Disassemble helicopter for air shipment TR: See applicable TO covering specific aircraft								2b	B	-	-
A5.3.9.	Reassemble helicopter after air shipment TR: See applicable TO covering specific aircraft								2b	B	-	-
A5.3.10.	Perform special maintenance required due to environment TR: See applicable TO covering specific aircraft								A	B	-	-
A5.4.	**AIRFRAME SYSTEMS** **TR: See applicable TO covering specific aircraft**											
A5.4.1.	Construction features or airframe								A	B	-	-
A5.4.2.	**Remove and install**											
A5.4.2.1.	Airframe components such as cowlings, panels, and doors	*							2b	-	-	-
A5.4.2.2.	Cockpit seats								-	-	-	-
A5.4.2.3.	Windshield/windows								-	-	-	-
A5.4.2.4.	Tail cone/tail pylon								-	-	-	-
A5.4.2.5.	Ballistic Armament Suppression System (BASS)								-	-	-	-
A5.4.2.6.	Vibration absorbers								b	-	-	-

H-60 SPECIFIC ITEMS

STS 2A5X2B

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A5.4.3.	Fold pylon								2b	-	-	-
A5.5.	**LANDING GEAR SYSTEMS TR: See applicable TO covering specific aircraft**											
A5.5.1.	Landing gear system operation								A	B	-	-
A5.5.2.	**Perform operational check**											
A5.5.2.1.	Tail Lock Actuator								2b	-	-	-
A5.5.2.2.	Brakes								a	-	-	-
A5.5.3.	**Service/bleed**											
A5.5.3.1.	Shock strut	*							2b	A	-	-
A5.5.3.2.	Tires TR: TO 4T-1-3	*							3c/b	-	-	-
A5.5.3.3.	Brakes	*							2b/b	-	-	-
A5.5.4.	Adjust landing gear components								-	-	-	-
A5.5.5.	**Remove and install**											
A5.5.5.1.	Wheel and tire assemblies	*							2b	-	-	-
A5.5.5.2.	Brake assemblies	*R							2b	-	-	-
A5.5.5.3.	**Landing gear components**											
A5.5.5.3.1.	Shock strut								b	-	-	-
A5.5.5.3.2.	Tail landing gear yoke								b	-	-	-
A5.5.5.3.3.	Tail lock actuator								-	-	-	-
A5.5.5.3.4.	Tail landing gear fork								b	-	-	-
A5.5.5.3.5.	Drag beam								b	-	-	-
A5.5.6.	**Troubleshoot**											
A5.5.6.1.	Landing gear system		*						b	A	-	B
A5.5.6.2.	Brake system		*						b	A	-	B
A5.6.	**UTILITY SYSTEM TR: See applicable TO covering specific aircraft**											
A5.6.1.	Utility system operation								A	B	-	-
A5.6.2.	**Perform operational check of**											
A5.6.2.1.	Hoist	*							2b/b	-	-	-
A5.6.2.2.	Cargo hook								A	-	-	-
A5.6.2.3.	Heating and ventilating								A	-	-	-

H-60 SPECIFIC ITEMS

STS 2A5X2B

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A5.6.2.4.	Fire detection	*							A	-	-	-
A5.6.2.5.	Windshield wiper	*							A	-	-	-
A5.6.2.6.	Windshield anti-ice	*							A	-	-	-
A5.6.3.	**Remove and install**											
A5.6.3.1.	Cargo hook								-	-	-	-
A5.6.3.2.	Cabin furnishings								-	-	-	-
A5.6.3.3.	Rescue hoist	*R							-	-	-	-
A5.6.3.3.	**Hoist components**											
A5.6.3.3.1.	Cable	*							b	-	-	-
A5.6.3.3.2.	Hook	*							b	-	-	-
A5.6.3.3.3.	Cable cutter								-	-	-	-
A5.6.3.3.4.	Hydraulic								-	-	-	-
A5.6.3.3.5.	Electric								-	-	-	-
A5.6.3.3.6.	Mechanical								-	-	-	-
A5.6.3.4.	Heating and ventilating system components								2b	-	-	-
A5.6.3.5.	Fire detection system components								b	-	-	-
A5.6.3.6.	Windshield anti-ice system components								a	-	-	-
A5.6.3.7.	Windshield wiper system components								2b	-	-	-
A5.6.3.8.	Cargo door system components								-	-	-	-
A5.6.4.	**Adjust**											
A5.6.4.1.	Windshield wiper arm								b	-	-	-
A5.6.4.2.	Cargo hook release								-	-	-	-
A5.6.4.3.	Rescue hoist components								-	-	-	-
A5.6.5.	**Service/lubricate**											
A5.6.5.1.	Hoist	*							2b/b	-	-	-
A5.6.5.2.	Cargo Hook								-	-	-	-
A5.6.6.	**Troubleshoot**											
A5.6.6.1.	Hoist		*R						-	A	-	B
A5.6.6.2.	Cargo hook								-	-	-	-

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A5.6.6.3.	Heating and ventilating								-	-	-	-
A5.6.6.4.	Fire detection		*R						-	A	-	B
A5.6.6.5.	Windshield wiper								-	-	-	-
A5.6.6.6.	Windshield anti-ice								-	-	-	-
A5.7.	**FLIGHT CONTROL SYSTEMS TR: See applicable TO covering specific aircraft**											
A5.7.1.	Rotor flight control system operation								A	B	-	-
A5.7.2.	Perform operational check of flight control systems	*							2b/x	A	-	-
A5.7.3.	**Remove and install**											
A5.7.3.1.	Control rods	*							2b	-	-	-
A5.7.3.2.	Idlers and bellcranks	*R							2b/x	-	-	-
A5.7.3.3.	Pulleys	*R							2b	-	-	-
A5.7.3.4.	Control Stick	*R							2b/a	-	-	-
A5.7.3.5.	Spring Cylinder	*R							2b/a	-	-	-
A5.7.3.6.	Cables	*R							2b	-	-	-
A5.7.3.7.	Quadrants	*R							2b/a	-	-	-
A5.7.3.8.	Balance springs								-	-	-	-
A5.7.3.9.	Stabilator	*							2b	-	-	-
A5.7.3.10.	Stabilator bearings/ bushings								-	-	-	-
A5.7.3.11.	Stabilator actuator	*R							2b	-	-	-
A5.7.3.12.	Electric trim servos								-	-	-	-
A5.7.3.13.	Pitch trim assembly								-	-	-	-
A5.7.4.	**Rig**											
A5.7.4.1.	Main rotor		*R						A	-	-	A
A5.7.4.2.	Tail rotor		*R						A	-	-	A
A5.7.5.	Main Rotor rig check		*						1b	A	-	-
A5.7.6.	Tail Rotor rig check		*						1b	A	-	-
A5.7.7.	Lubricate flight controls								-	-	-	-
A5.7.8	**Troubleshoot**											
A5.7.8.1.	Main rotor flight controls		*						-	A	-	B

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A5.7.8.2.	Tail rotor flight controls		*						-	A	-	B
A5.8.	**TRANSMISSION AND DRIVE SYSTEMS TR: See applicable TO covering specific aircraft**											
A5.8.1.	Transmission system operation								A	B	-	-
A5.8.2.	Drive system operation								A	B	-	-
A5.8.3.	Transmission oil system operation								A	B	-	-
A5.8.4.	Adjust transmission oil system								A	-	-	-
A5.8.5.	Align tail drive shafts								-	-	-	-
A5.8.6.	Service transmission system								A	-	-	-
A5.8.7.	Service drive system								A	-	-	-
A5.8.8.	**Remove and install**											
A5.8.8.1.	Accessory module		*R						2b	-	-	-
A5.8.8.2.	Main module		*R						A	-	-	-
A5.8.8.3.	Intermediate gearbox		*R						2b/b	-	-	-
A5.8.8.4.	Tail gearbox		*R						2b/b	-	-	-
A5.8.8.5.	Oil cooler and blower		*R						b	-	-	-
A5.8.8.6.	Engine output drive shaft								-	-	-	-
A5.8.8.7.	Tail drive shaft	*							2b	-	-	-
A5.8.8.8.	Viscous damper bearing assembly		*R						a	-	-	-
A5.8.8.9.	Chip detector	*							2b	-	-	-
A5.8.8.10.	Main gearbox pump								-	-	-	-
A5.8.8.11.	Main gearbox oil filter and screen	*							2b	-	-	-
A5.8.8.12.	Input module		*R						2b	-	-	-
A5.8.9.	Troubleshoot transmission system		*						-	A	-	B
A5.8.10.	Troubleshoot drive system		*						-	A	-	B
A5.9.	**ROTOR SYSTEM TR: See applicable TO covering specific aircraft**											
A5.9.1.	**Main rotor**											
A5.9.1.1.	Rotor system operation								A	B	-	-
A5.9.1.2.	Blade Inspection Method (BIM) system operation								A	B	-	-

H-60 SPECIFIC ITEMS

STS 2A5X2B

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A5.9.1.3.	Blade deicing operation								A	B	-	-
A5.9.2.	**Remove and install**											
A5.9.2.1.	Rotor head		*R						2b	-	-	-
A5.9.2.2.	Spindle		*R						2b/b	-	-	-
A5.9.2.3.	Dampers	*							2b	-	-	-
A5.9.2.4.	Damper indicator								-	-	-	-
A5.9.2.5.	Damper bearings								-	-	-	-
A5.9.2.6.	Pitch control rods	*							2b	-	-	-
A5.9.2.7.	Pitch control rod end/bearings								-	-	-	-
A5.9.2.8.	Rotor blades	*							2b	-	-	-
A5.9.2.9.	Rotor blade tip caps	*							-	-	-	-
A5.9.2.10.	Swashplate assembly		*R						2b	-	-	-
A5.9.2.11.	Swashplate bearings								-	-	-	-
A5.9.2.12.	Shaft extension		*R						-	-	-	-
A5.9.2.13.	Bifilar/weights		*R						2b	-	-	-
A5.9.2.14.	Elastomeric bearing		*R						-	-	-	-
A5.9.2.15.	BIM Indicator	*							b	-	-	-
A5.9.2.16.	Blade De-ice Components	*R							2b	-	-	-
A5.9.2.17.	Droop/flap stop	*							2b	-	-	-
A5.9.3.	Perform pretrack adjustment	*							2b/b	-	-	-
A5.9.4.	Perform autorotation adjustment	*							2b/b	-	-	-
A5.9.5.	**Service**											
A5.9.5.1.	Damper system	*							2b/b	-	-	-
A5.9.5.2.	Blades	*							2b	-	-	-
A5.9.6.	Lubricate system components								2b/a	-	-	-
A5.9.7.	Troubleshoot main rotor system		*						-	A	-	B
A5.9.8.	**Tail rotor**											
A5.9.8.1.	Tail rotor system operation								A	B	-	-
A5.9.8.2.	Tail rotor de-ice operation								A	B	-	-
A5.9.9.	**Remove and install**											
A5.9.9.1.	Paddles	*							2b	-	-	-

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A5.9.9.2.	Inner retention plate								2b	-	-	-
A5.9.9.3.	Tail rotor de-ice components								b	-	-	-
A5.9.9.4.	Tail rotor pitch control rods	*							2b	-	-	-
A5.9.10.	Troubleshoot tail rotor system		*						-	A	-	B
A5.10.	**HYDRAULIC SYSTEMS TR: See applicable TO covering specific aircraft**											
A5.10.1.	Hydraulic system operation								A	B	-	-
A5.10.2.	**Perform operational check**											
A5.10.2.1.	#1 hydraulic system	*							2b/x	-	-	-
A5.10.2.2.	#2 hydraulic system	*							2b/x	-	-	-
A5.10.2.3.	Rotor brake								b	-	-	-
A5.10.2.4.	Backup hydraulic system	*							2b/x	-	-	-
A5.10.2.5.	Pitch trim assembly								-	-	-	-
A5.10.2.6.	Stability Augmentation System (SAS) actuators								-	-	-	-
A5.10.3.	**Remove and install**											
A5.10.3.1.	Quick disconnects								-	-	-	-
A5.10.3.2.	Primary servos	*R							2b/b	-	-	-
A5.10.3.3.	Boost servos								2b	-	-	-
A5.10.3.4.	Stability Augmentation System (SAS) actuators								-	-	-	-
A5.10.3.5.	Manifold								a	-	-	-
A5.10.3.6.	Pump module	*R							2b	-	-	-
A5.10.3.7.	Pilot assist module	*R							2b	-	-	-
A5.10.3.8.	Transfer module	*R							2b/a	-	-	-
A5.10.3.9.	Utility module	*R							a	-	-	-
A5.10.3.10.	Filters	*							2b/b	-	-	-
A5.10.3.11.	Rotor brake								b	-	-	-
A5.10.3.12.	Tail rotor servo		*R						a	-	-	-
A5.10.4.	**Service**											
A5.10.4.1.	Reservoirs	*							3c/a	-	-	-
A5.10.4.2.	APU accumulator	*							2b	-	-	-

H-60 SPECIFIC ITEMS

STS 2A5X2B

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A5.10.5.	**Troubleshoot**											
A5.10.5.1.	#1 hydraulic system		*						-	A	-	B
A5.10.5.2.	#2 hydraulic system		*						-	A	-	B
A5.10.5.3.	Rotor brake								-	-	-	-
A5.10.5.4.	Backup hydraulic system		*						-	A	-	B
A5.11.	**POWER PLANT AND TR: See applicable TO covering specific aircraft**											
A5.11.1.	Turboshaft engine operation								A	B	-	-
A5.11.2.	**Power plant system operation**											
A5.11.2.1.	Ignition								A	B	-	-
A5.11.2.2.	Fuel								A	B	-	-
A5.11.2.3.	Oil								A	B	-	-
A5.11.2.4.	Inlet particle separator system								A	B	-	-
A5.11.2.5.	IGV actuating system								A	B	-	-
A5.11.2.6.	Anti-icing								A	B	-	-
A5.11.3.	**Remove and install**											
A5.11.3.1.	Oil pressure switch								a	-	-	-
A5.11.3.2.	Ignition unit								a	-	-	-
A5.11.3.3.	Ignitor plug								2b	-	-	-
A5.11.3.4.	Exhaust module/Hover Infrared Suppression System (HIRSS)								2b/a	-	-	-
A5.11.3.5.	Chip detector								2b	-	-	-
A5.11.3.6.	Inlet particle separator								2b	-	-	-
A5.11.3.7.	Engine								2b	-	-	-
A5.11.3.8.	Engine inlet	*							2b	-	-	-
A5.11.3.9.	Inlet Anti-ice valve								a	-	-	-
A5.11.3.10.	Anti-ice Start bleed valve								a	-	-	-
A5.11.3.11.	Filters and screens								2b	-	-	-
A5.11.3.12.	Engine starter								b	-	-	-
A5.11.3.13.	Electrical/digital control unit								b	-	-	-
A5.11.3.14.	Hydro mechanical unit								2b	-	-	-
A5.11.3.15.	Rotary control inputs								-	-	-	-

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A5.11.3.16.	Overspeed and drain valve/pressurization overspeed unit								-	-	-	-
A5.11.4.	Service engine oil system	*							b	-	-	-
A5.11.5.	Troubleshoot engine system		*						-	A	-	B
A5.11.6.	Clean engine compressor	*							-	-	-	-
A5.11.7.	Rig engine controls		*R						-	-	-	-
A5.11.8.	Perform operational checks								-	-	-	-
A5.12.	**FUEL SYSTEMS TR: See applicable TO covering specific aircraft; AFOSH STD 91 series**											
A5.12.1.	Fuel system operation								A	B	-	-
A5.12.2.	**Perform operational check**											
A5.12.2.1.	Main	*							b/x	-	-	-
A5.12.2.2.	Auxiliary	*							b/x	-	-	-
A5.12.2.3.	Inflight	*							2b	-	-	-
A5.12.3.	**Refuel helicopter TR: TO 00-25-172**											
A5.12.3.1.	**Pressure procedure**											
A5.12.3.1.1.	Perform as refuel team member	*							3c/a	A	-	-
A5.12.3.1.2.	Perform as refuel team supervisor		*						-	A	-	-
A5.12.3.2.	**Gravity procedure**											
A5.12.3.2.1.	Perform as refuel team member								b/a	A	-	-
A5.12.3.2.2.	Perform as refuel team supervisor								-	A	-	-
A5.12.4.	**Defuel helicopter TR: TO 00-25-172**											
A5.12.4.1.	**Pressure procedure**											
A5.12.4.1.1.	Perform as defuel team member	*							b/a	A	-	-
A5.12.4.1.2.	Perform as defuel team supervisor		*						-	A	-	-
A5.12.4.2.	**Gravity procedure**											
A5.12.4.2.1.	Perform as defuel team member								b/a	A	-	-
A5.12.4.2.2.	Perform as defuel team supervisor								-	A	-	-
A5.12.5.	Prepare helicopter for fuel cell maintenance TR: TOs 00-25-172, 1-1-3								-	-	-	-

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A5.12.6.	**Remove and install**											
A5.12.6.1.	Auxiliary tanks	*							b/x	-	-	-
A5.12.6.2.	Transfer pump								b	-	-	-
A5.12.6.3.	Transfer valve								-	-	-	-
A5.12.6.4.	Dump valve								-	-	-	-
A5.12.6.5.	Prime boost pump								a	-	-	-
A5.12.6.6.	Breakaway valve								a	-	-	-
A5.12.6.7.	A/R probe		*R						a	-	-	-
A5.12.6.8.	A/R probe nozzle	*							2b	-	-	-
A5.12.6.9.	Probe management package								b	-	-	-
A5.12.6.10.	Fuel management package								b	-	-	-
A5.12.7.	Troubleshoot fuel system		*						-	A	-	B
A5.12.8.	Prepare A/R probe for air shipment/storage								-	-	-	-
A5.12.9.	Disassemble/assemble A/R probe								-	-	-	-
A5.13.	**ELECTRICAL SYSTEMS TR: See applicable TO covering specific aircraft**											
A5.13.1.	Electrical system operation								A	B	-	-
A5.13.2.	**Perform operational check**											
A5.13.2.1.	AC electrical power system	*							2b/x	-	-	-
A5.13.2.2.	DC electrical power system	*							2b/x	-	-	-
A5.13.2.3.	Interior light systems	*							3c/x	-	-	-
A5.13.2.4.	Exterior light systems	*							3c/x	-	-	-
A5.13.3.	**Remove and install**											
A5.13.3.1.	Battery	*							2b/x	-	-	-
A5.13.3.2.	Generator	*							2b	-	-	-
A5.13.3.3.	Current limiter								a	-	-	-
A5.13.3.4.	Converter								a	-	-	-
A5.13.3.5.	Generator control unit								a	-	-	-
A5.13.3.6.	Relay panel								a/x	-	-	-
A5.13.3.7.	Landing/search light								2b/a	-	-	-

H-60 SPECIFIC ITEMS

STS 2A5X2B

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A5.13.4.	Connect/disconnect external electrical power	*							3c/b	-	-	-
A5.13.5.	Troubleshoot electrical system								-	A	-	B
A5.14.	**INSTRUMENT SYSTEMS TR: See applicable TO covering specific aircraft**											
A5.14.1.	Instrument systems operation								A/x	B	-	-
A5.14.2.	Remove/install instruments								1a/x	-	-	-
A5.14.3.	Drain pitot-static system								-	-	-	-
A5.14.4.	Perform operational check of the instruments and AFCS system								a/x	-	-	-
A5.14.5.	Remove and replace signal data converter (SDC)								a	-	-	-
A5.14.6	Troubleshoot Instruments								-	A	-	B
A5.15.	**AUXILIARY POWER UNIT TR: See applicable TO covering specific aircraft**											
A5.15.1.	Auxiliary power unit theory of operation								A	B	-	-
A5.15.2.	**Remove and install**											
A5.15.2.1.	Hydraulic starter								1a	-	-	-
A5.15.2.2.	APU assembly								2b	-	-	-
A5.15.2.3.	Electrical Sequencing Unit (ESU)								2b/a	-	-	-
A5.15.2.4.	APU Ignitor- plug								2b/a	-	-	-
A5.15.2.5.	APU start fuel nozzle								2b/a	-	-	-
A5.15.2.6.	APU accumulator								2b/b	-	-	-
A5.15.3.	Operate APU	*							b/x	-	-	-
A5.15.4.	Service oil tank	*							a	-	-	-
A5.15.5.	Troubleshoot auxiliary power unit system		*						-	A	-	B
A5.16.	**AIRCRAFT VIBRATIONS TR: See applicable TO covering specific aircraft**											
A5.16.1.	Track & balance main rotor dynamically		*R						1a	A	-	B
A5.16.2.	Balance tail rotor dynamically		*R						1a	A	-	B
A5.16.3.	Adjust main rotor blades	*							2b	-	-	-

H-60 SPECIFIC ITEMS

STS 2A5X2B

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A5.16.4.	Tune vibration absorbers		*R						b/x	-	-	-
A5.16.5.	Perform oil cooler vibration check		*R						b/x	-	-	-
A5.16.6.	Balance engine output shaft		*R						b/x	-	-	
A5.16.7.	Troubleshoot using 8500 analyzer		*R						1a	A	-	B

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
NOTE 1: Users are responsible for annotating training references to identify current references pending STS revision.												
NOTE 2: This attachment is to be used in conjunction with other attachments in applicable CFETPs.												
NOTE 3: Personnel must complete CDC requirements on all MDSs/attachments.												
NOTE 4: This attachment is to be used as a correlation document for the 2AX7X 7-level Aerospace Maintenance Craftsman CDC's.												
NOTE 5: All items are SUBJECT KNOWLEDGE LEVELS only and require no certification on this STS.												
A6.1.	**MANAGEMENT WITHIN THE MAINTENANCE COMPLEX TR: AFI 21-101, AFI 21-118 and specific MAJCOM guidance**											
A6.1.2.	Functions of the Maintenance Complex								-	-	-	B
A6.1.3.	Operations / Maintenance Group Commander Responsibilities TR: AFI 38-101, AFPD 38-1								-	-	-	B
A6.1.4.	Accountability and Core Values								-	-	-	B
A6.1.5.	Aircraft Maintenance Management Information Systems								-	-	-	B
A6.1.6.	Maintenance Analysis								-	-	-	B
A6.1.7.	Compliance and Standardization Requirements Listings								-	-	-	A
A6.1.8.	Maintenance Quality Performance Measures (QPM) Relationships								-	-	-	B
A6.1.9.	Foreign Object Damage (FOD) Program Manager TR: AFI 21-101								-	-	-	A
A6.1.10.	Joint Oil Analysis Program TR: T.O. 33-1-37-1								-	-	-	B
A6.1.11.	Mobility								-	-	-	A
A6.1.12.	Hazard Declarations for Mobility Packages TR: AFMAN 24-204								-	-	-	A
A6.1.13.	Hazardous Material Handling Procedures TR: AFJMAN 24-204, AFI 91-301, AFI 24-202, AFMAN 23-110								-	-	-	B
A6.1.14.	Production Supervisor, Flight Chief and Expediter Duties and Responsibilities								-	-	-	B
A6.1.15.	Special Certification Rosters								-	-	-	B
A6.1.16.	Maintenance Incident Investigation and Prevention TR: AFI 91-204								-	-	-	B
A6.1.17.	Aircraft Impoundment TR: AFI 91-204								-	-	-	A

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A6.1.18.	Operational Risk Management (ORM) TR: AFPD 90-9, AFI 90-901, AFPAM 90-902								-	-	-	B
A6.1.19.	Restricted Maintenance Areas								-	-	-	A
A6.1.20.	Force Protection TR: AFDD 2-4.1								-	-	-	A
A6.1.21.	Classification Info, Access to Classified, COMSEC, OPSEC, COMPUSEC TR: AFI 33-211, AFI 10-1101, AFI 33-202								-	-	-	B
A6.1.22.	Proper Handling of Classified Assets TR: AFJI 31-102								-	-	-	A
A6.1.23.	Aircraft Inspection Concepts TR: TO 00-20-5								-	-	-	B
A6.2.	**ENLISTED SPECIALTY TRAINING TR: AFI 36-2201 and MAJCOM directives**											
A6.2.1.	Training Management and Records											
A6.2.2.	Automated Training Records								-	-	-	B
A6.2.3.	Career Field Education and Training Plan (CFETP)								-	-	-	B
A6.2.4.	Specialty Training Standard (STS)								-	-	-	B
A6.2.5.	Occupational Survey Report (OSR)								-	-	-	B
A6.2.6.	Utilization and Training Workshop (U&TW)								-	-	-	B
A6.2.7.	Training Forecast / Request								-	-	-	A
A6.2.8.	Training Waiver Process								-	-	-	B
A6.2.9.	Field Evaluation Questionnaire (FEQ) and Graduate Assessment Survey								-	-	-	A
A6.3.	**ACCOUNTABILITY FOR RECORDS, REPORTS, AND FORMS TR: AFI 21-109, TO 00-35D-54, TO 00-20 Series and applicable MAJCOM guidance**											
A6.3.1.	Historical Records								-	-	-	B
A6.3.2.	Minimum Essential Configuration Management (MESL)								-	-	-	B

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A6.3.3.	Automated Maintenance Systems								-	-	-	A
A6.3.4.	Reliability Availability, Maintainability, Logistics Engineering Support System for Electronic Attack Pods and Integrated Systems (RAMPOD), Core Automated Maintenance System for Airlift (GO 81)								-	-	-	A
A6.3.5.	Core Automated Maintenance System (CAMS) TR: AFCSM 21-556 Vol. II, T.O. 00-20-2								-	-	-	B
A6.3.6.	Job Data Documentation (JDD)								-	-	-	B
A6.3.7.	Air Force Technical Order (AFTO) Forms 781 and 244 / 245								-	-	-	B
A6.3.8.	Configuration Management								-	-	-	B
A6.3.9.	Aircraft / Equipment Modifications								-	-	-	B
A6.3.10.	Nuclear Surety TR: AFI 91-101								-	-	-	B
A6.3.11.	Dull Sword Reporting TR: AFI 91-204								-	-	-	B
A6.4.	**SUPPLY MANAGEMENT TR:, AFMAN 23-220, AFMAN 23-110 and applicable MAJCOM guidance**											
A6.4.1.	Maintenance Supply Concept TR: AFMAN 23-110								-	-	-	B
A6.4.2.	Supply Documents Management								-	-	-	B
A6.4.3.	Precious Metal Program TR: AFMAN 23-110								-	-	-	A
A6.4.4.	Bench Stock								-	-	-	A
A6.4.5.	Air Force Technical Order (AFTO) 375								-	-	-	A
A6.4.6.	Quick Reference List (QRL)								-	-	-	A
A6.4.7.	Standard Base Supply System (SBSS) TR: AFMAN 23-110								-	-	-	B
A6.4.8.	Integrated Logistic System-Supply (ILS-S) and Global Combat Support System (GCSS) TR: AFMAN 23-110								-	-	-	A
A6.4.9.	Priority Systems								-	-	-	B
A6.4.10.	Repair Cycle Assets								-	-	-	B

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A6.4.11.	Report of Survey, Statement of Charges								-	-	-	B
A6.4.12.	Equipment Account Management								-	-	-	B
A6.4.13.	Custodian Authorization/Custody Receipt Listing (CA/CRL)								-	-	-	A
A6.4.14.	Precision Measurement Equipment Laboratory (PMEL)								-	-	-	A
A6.4.15.	Computer System Management TR: AFI 33-112								-	-	-	A
A6.4.16.	Special Purpose Recoverable Authorized Maintenance (SPRAM) TR: AFMAN 23-110								-	-	-	A
A6.4.17.	Air Force Management System (AFEMS)								-	-	-	A
A6.4.18.	Status of Resources and Training (SORTS)								-	-	-	A
A6.4.19.	Land Mobile Radios, Pagers, Cell Phones TR: AFI 33-106								-	-	-	A
A6.4.20.	Shelf Life Program TR: AFMAN 23-110								-	-	-	A
A6.4.21.	Hazardous Materials (HAZMAT) TR: Applicable AFOSH STD's, AFI's and MAJCOM guidance								-	-	-	B
A6.4.22.	Qualified Products Listing								-	-	-	B
A6.5.	**LOGISTICS AND RESOURCE MANAGEMENT AFPD 21-1**											
A6.5.1.	Logistics Management								-	-	-	B
A6.5.2.	Agile Logistics								-	-	-	A
A6.5.3.	Two-Level Maintenance (2LM)								-	-	-	A
A6.5.4.	Execution and Prioritization of Repair System (EXPRESS)								-	-	-	A
A6.5.5.	Readiness Based Leveling (RBL) TR: AFMAN 23-110								-	-	-	A
A6.5.6.	Resource Management								-	-	-	B
A6.5.7.	Air Force Government-Wide Purchase Card Program and Air Force Form 9 TR: AFI 64-117								-	-	-	A

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A6.5.8.	Air Force Enhancement Program (AFREP) TR: AFI 21-123								-	-	-	A
A6.5.9.	Financial Plan (FIN Plan)								-	-	-	A
A6.5.10.	Appropriation (APPN) 3400 and 3080 Budgeting								-	-	-	A
A6.5.11.	Budget Line 3010								-	-	-	A
A6.5.12.	Air Force Materiel Command (AFMC) Responsibilities								-	-	-	A
A6.5.13.	Developmental Test and Evaluation (DT&E) Operational Test and Evaluation (OT&E)								-	-	-	A
A6.5.14.	Defense Logistics Agency								-	-	-	A
A6.5.15.	Special Experience Identifier (SEI) TR: AFMAN 36-2108								-	-	-	B
A6.5.16.	Unit Manpower Document (UMD) and Unit Management Personnel Roster (UMPR)								-	-	-	A
A6.5.17.	Manning Standards, and Logistics Composite Model (LCOM) TR: AFI 38-201, AFMAN 38-208								-	-	-	A
A6.5.18.	Technical Order Management								-	-	-	B
A6.5.19.	Technical Order Distribution Office (TODO), Technical Order Distribution Account (TODA), Technical Order Distribution Control Activity (TODCA), Technical Order Review Board (TORB) TR: TO 00-5-1, TO 00-5-2								-	-	-	A
A6.5.20.	Air Force Technical Order Forms 22, 27, 110, 158								-	-	-	A
A6.5.21.	Automated Technical Order Management System (ATOMS) TR: TO 00-5-2								-	-	-	A
A6.5.22.	Time Compliance Technical Orders (TCTO) TR: TO 00-5-15								-	-	-	A
A6.5.23.	Centralized Technical Order Management Organization (CTOM) TR: TO 00-5-1								-	-	-	A
A6.5.24.	Joint Computer –aided Acquisition and Logistic Support (JCALS)								-	-	-	A

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A6.5.25.	Electronic Technical Orders								-	-	-	A
A6.5.26.	Deficiency Reporting (Hardware and Software) Product Quality Deficiency Reporting System (PQDR), TR: TO 00-35D-54								-	-	-	B
A6.5.27.	Reporting of Deficiency (ROD)								-	-	-	B
A6.5.28.	Bad Actor Program TR: TO 00-20-1, TO 00-35D-54								-	-	-	A
A6.5.29.	Technical Improvement Product Working Group (TIPWG), System Training Plan (STP), Program Management Review (PMR)								-	-	-	A
A6.5.30.	Corrosion Prevention Advisory Board (CPAB) TR: AFI 21-105								-	-	-	A
A6.6.	**COMPUTER APPLICATION**											
A6.6.1.	Using Applications								-	-	-	B
A6.6.2.	Form Flow								-	-	-	B
A6.6.3.	Air Force Electronic Publishing Library (AFEPL)								-	-	-	B
A6.6.4.	World Wide Web (www), Internet								-	-	-	B
A6.6.5.	Local Area Networks (LAN)								-	-	-	B

STS 2A532A
H-53 MATRIX

NOTE 1: The column title Phase 3A of the following matrix identifies training in the resident course conducted at Fort Eustis VA, the column title Phase 3B identifies training received at Kirtland AFB, NM.

NOTE 2: All applicable safety requirements, inspection requirements, Technical Orders, Corrosion, FOD, use of aircraft support equipment, tools and hardware necessary to properly perform maintenance are integrated throughout Phase 3A and Phase 3B courses to the training level of associated tasks.

NOTE 3: Weapon system peculiar items not being taught due to weapon system configuration at student's end assignment do not require a Training Deficiency Letter to be issued.

WEAPON SYSTEM	COURSE NUMBER	PDS CODE
H-53 (PHASE A)	**J3AQP2A532A 002**	**Z7T**
H-53 (PHASE B)	**J3ABP2A532A 002**	**Z7K**

STS ELEMEMT	TASK	PHASE 3A	PHASE 3B
A4.	**H-53 Specific Items**		
A4.1.	**Perform Inspections**		
A4.1.1.	**Phase Concept**		
	Phase	A	-
A4.1.1.2.	Preflight	2b	-
A4.1.1.3.	Thrufight	2b	-
A4.1.1.4.	Basic Postflight	2b	-
A4.1.2.	**Supplemental Inspections**		
A4.1.2.1.	Acceptance	A	-
A4.1.2.2.	Calendar	A	-
A4.1.2.3.	Special	A	-
A4.1.2.4.	Hourly	A	-
A4.2.	**Use Communication Equipment**		
A4.2.1.	Interphone	2b	3c
A4.3.	**Perform Ground Handling**		
A4.3.1.	Launch Helicopter	b	3c
A4.3.2.	Recover Helicopter	b	3c
A4.3.3.	**Tow Helicopter**		
A4.3.3.1.	Perform As Tow Member	2b	3c
A4.3.3.2.	Perform As Tow Brake Operator	2b	3c
A4.3.4.	Moor Helicopter	A	-
A4.3.5.	**Jack Helicopter**		
A4.3.5.1.	Perform As Jacking Team Member	3c	-
A4.3.6.	Level Helicopter	A	-
A4.3.7.	Load Helicopter on Transport Vehicles	A	-
A4.3.8.	Disassemble Helicopter Air Shipment	A	-
A4.3.9.	Reassemble Helicopter After Air Shipment.		
A4.3.10.	Perform Special Maintenance Required Due To Environment	A	-
A4.4.	**Airframe Systems**		
A4.4.1.	Construction Features of Airframe	A	-
A4.4.2.	**Remove and Install**		-
A4.4.2.1.	Airframe Components Such As Cowlings, Panels, and Doors	2b	-
A4.4.2.2.	Cockpit Seats	b	-
A4.5.	**Landing Gear Systems**		
A4.5.1.	Landing Gear System Operation	A	-
A4.5.2.	**Perform Ops Check**		
A4.5.2.1.	Landing Gear	2b	-
A4.5.2.2.	Brakes	2b	3c
A4.5.3.	**Service/Bleed**		
A4.5.3.1.	Emergency Ext Sys	2b	-
A4.5.3.2.	Shock Strut	2b	-
A4.5.3.3.	Tires	2b	-
A4.5.3.4.	Brakes	3c	-
A4.5.4.	Lubricate landing gear components	2b	-
A4.5.6.	**Remove and Install**		
A4.5.6.1.	Wheel and Tire Assemblies	3c	-
A4.5.6.2.	Brake Assemblies	3c	-
A4.6.	**Utility Systems**		
A4.6.1.	Utility System Operation	A	-

STS ELEMEMT	TASK	PHASE 3A	PHASE 3B
A4.6.2.	**Perform Operational Check**		
A4.6.2.1.	Hoist	2b	-
A4.6.2.2.	Cargo Hook	2b	-
A4.6.2.3.	Heating and Vent	2b	-
A4.6.2.4.	Fire Detection	2b	-
A4.6.2.5.	Windshield Wiper	2b	-
A4.6.2.6.	Windshield Anti-ice	2b	-
A4.6.2.7.	Cargo Ramp	2b	-
A4.6.2.8.	Blade & Pylon Fold System	A	
A4.6.3.	**Remove and Install**		
A4.6.3.1.	Cargo Hook Comp	2b	-
A4.6.3.3.	**Hoist Components**		
A4.6.3.3.1.	Cable	A	-
A4.6.3.3.2.	Hook	2b	-
A4.6.3.3.7.	Windshield Wiper System Comp	2b	-
A4.6.3.9.	**Blade/Pylon Fold System Components**		
A4.6.3.9.1.	Blade Support Rods	a	-
A4.6.3.9.2.	Centering Bearing	a	-
A4.6.3.9.3.	Blade Fold Lock Assembly	a	-
A4.6.3.9.4.	M/R/B Fold Hinge	a	-
A4.6.3.9.5.	Rotor Gust Lock	a	-
A4.6.3.9.6.	Hydraulic Rotary Coupling	a	-
A4.6.3.9.7.	Blade Fold Valves	a	-
A4.6.3.9.8.	Primary Servo Pitch Locks	a	-
A4.6.3.9.9.	Blade/Pylon Fold Hydraulic Comp	a	-
A4.6.3.9.10.	T/R/H Positioner Cam	a	-
A4.6.3.9.11.	Blade/Pylon Fold Electrical Comp	a	-
A4.6.4.	**Adjust**		
A4.6.4.1.	Windshield Wiper Arm	2b	-
A4.6.4.2.	Cargo Hook Release	a	-
A4.6.5.	**Service/Lubricate**		
A4.6.5.2.	Hoist	2b	-
A4.6.5.3.	Cargo Hook	a	-
A4.6.6.	**Perform Duties During Blade/Pylon Fold Operation**		
A4.6.6.1.	Forward Observer	a	-
A4.6.6.2.	Top Observer	a	-
A4.6.6.3.	Tail Observer	a	-
A4.7.	**Flight Control System**		
A4.7.1.	Rotor Flight Control System Operation	A	-
A4.7.2.	Perform Ops Ck on Flt Controls	2b	-
A4.7.3.	**Remove and Install**		
A4.7.3.1.	Control Rods	2b	-
A4.7.3.2.	Idlers	2b	-
A4.7.3.3.	Pulleys	b	-
A4.7.3.4.	Bellcranks	2b	-
A4.7.3.5.	Control Stick	2b	-
A4.7.3.6.	Centering Cylinder	2b	-
A4.7.3.7.	Quadrants	b	-

STS ELEMEMT	TASK	PHASE 3A	PHASE 3B
A4.7.3.8.	Cables	2b	-
A4.7.4.	**Rig**		
A4.7.4.1.	Main Rotor	b	-
A4.7.4.2.	Tail Rotor	1b	-
A4.7.5.	**Quick Rig**		
A4.7.5.1.	Main Rotor	b	-
A4.7.5.2.	Tail Rotor	1b	-
A4.8.	**Transmission & Drive Systems**		
A4.8.1.	Transmission System Operation	A	-
A4.8.2.	Drive System Operation	A	-
A4.8.3.	Transmission Oil System Operation	A	-
A4.8.4.	Adjust Trans Oil System	a	-
A4.8.5.	**Align Drive Shaft**		
A4.8.5.1.	Input	b	-
A4.8.5.2.	Tail Rotor	b	-
A4.8.5.3.	Auxiliary Power Plant (APP)	b	-
A4.8.6.	Service Transmission Sys	3c	-
A4.8.7.	Service Drive System	3c	-
A4.8.8.	**Remove and Install**		
A4.8.8.1.	Accessory Gearbox	2b	-
A4.8.8.2.	Main Gearbox	2b	-
A4.8.8.3.	Intermediate Gearbox	2b	-
A4.8.8.4.	Tail Gearbox	2b	-
A4.8.8.5.	Oil Cooler/Blower	2b	-
A4.8.8.6.	APP Drive Shaft	2b	-
A4.8.8.7.	Input Drive Shaft	2b	-
A4.8.8.8.	Accessory Gearbox Drive Shaft	2b	-
A4.8.8.9.	Oil Cooler Drive Shaft	2b	-
A4.8.8.10.	Tail Rotor Drive Shaft	2b	-
A4.8.8.11.	Tail Rotor Drive Shaft Disconnect Coupling	a	-
A4.8.8.12.	Viscous Damper Bearing Assembly	1b	-
A4.8.8.13.	**Chip Detector**		
A4.8.8.13.1.	Sump	3c	-
A4.8.8.13.2.	Spoon	3c	-
A4.8.8.13.3.	Input	b	-
A4.8.8.13.4.	Accessory Gearbox	b	-
A4.8.8.13.5.	Intermediate G/B	b	-
A4.8.8.13.6.	Tail Gearbox	b	-
A4.8.8.14.	Main Gearbox Pump	b	-
A4.8.8.15.	Main Gearbox Oil Filter Assembly	2b	-
A4.8.8.16.	Main gearbox tach generator	2b	-
A4.8.11.	Lubricate tail rotor drive shaft disconnect coupling	a	-
A4.9.	**Rotor System**		
A4.9.1.	**Main Rotor**		
A4.9.1.1.	Rotor Sys Operation	A	-
A4.9.1.2.	Inflight Blade Insp System (IBIS)	A	-
A4.9.2.	**Remove and Install**		
A4.9.2.1.	Rotor Head	2b	-
A4.9.2.2.	Sleeve Assembly	2b/b	-

STS ELEMEMT	TASK	PHASE 3A	PHASE 3B
A4.9.2.3.	Dampers	2b/b	-
A4.9.2.5.	Damper Accumulator	2b/b	-
A4.9.2.6.	Isolation accumulator	a	-
A4.9.2.7.	Pitch Controls rods	2b/b	-
A4.9.2.8.	Rotor Blades	2b	-
A4.9.2.9.	Swashplate Assembly	2b	-
A4.9.2.11.	IBIS Detector	2b	-
A4.9.2.12.	IBIS Indicator	2b	-
A4.9.2.13.	Droop Stop Assembly	2b/b	-
A4.9.2.14.	Flap Stop Assembly	2b/b	-
A4.9.3.	Perform Pretrack Rig	1b	-
A4.9.4.	Perform Autorotation Adj.	2b/b	-
A4.9.5.	**Service**		
A4.9.5.1.	Damper System	2b	-
A4.9.5.2.	Blades	2b	-
A4.9.6.	Lubricate system components	2b	-
A4.9.8.	Tail Rotor System Operation	A	-
A4.9.9.	**Remove and Install**		
A4.9.9.1.	Blades	2b	-
A4.9.9.2.	Tail Rotor head and Components	2b	-
A4.9.10.	Service Tail Rotor	b	-
A4.10.	**Hydraulic System**		
A4.10.1.	Hydraulic System Operation	A	-
A4.10.2.	**Perform Operational Check**		
A4.10.2.4.	Rotor Brake	2b	-
A4.10.3.	**Remove and Install**		
A4.10.3.1.	Primary Servos	2b/1b	-
A4.10.3.2.	Automatic Flt Cont Sys (AFCS) Servos	b	-
A4.10.3.3.	Manifold	b	
A4.10.3.4.	Pumps	2b	-
A4.10.3.5.	Filters	2b	-
A4.10.3.6.	Rotor Brake	2b	-
A4.10.3.7.	Tail Rotor Servo	1b	-
A4.10.4.	Service Reservoirs	2b	-
A4.11.	**Power Plant & Related Systems**		
A4.11.1.	Turboshaft Engine Operation	A	-
A4.11.2.	**Power Plant Sys Operation**		
A4.11.2.1.	Ignition	A	-
A4.11.2.2.	Fuel	A	-
A4.11.2.3.	Oil	A	-
A4.11.2.4.	Engine Air Particle Separator Sys	A	-
A4.11.2.5.	Engine Actuating System	A	-
A4.11.2.6.	Anti-icing	A	-
A4.11.3.	**Remove and Install**		
A4.11.3.1.	Oil Pressure Switch	2b	-
A4.11.3.2.	Oil Quantity Switch	2b	-
A4.11.3.3.	Ignition Unit	2b	-
A4.11.3.4.	Ignitor Plug	2b	-
A4.11.3.5.	Tail Pipe	2b	-

STS ELEMEMT	TASK	PHASE 3A	PHASE 3B
A4.11.3.6.	Engine Chip Detector	2b	-
A4.11.3.7.	Air Particle Separator	2b	-
A4.11.3.8.	Engine	b	-
A4.11.3.9.	Engine Inlet	b	-
A4.11.3.11.	Fuel Control	b	-
A4.11.4.	Service Engine Oil System	2b	-
A4.11.6.	Take Engine Oil Sample (JOAP)	3c	-
A4.11.7.	Clean Engine Compressor	b	-
A4.12.	**Fuel System**		
A4.12.1.	Fuel System Operation	A	-
A4.12.2.	**Perform Operational Check**		
A4.12.2.1.	Main	2b	-
A4.12.2.2.	Auxiliary	2b	-
A4.12.2.3.	Inflight	2b	
A4.12.3.	**Refuel helicopter**		
A4.12.3.1.	**Pressure Procedure**		
A4.12.3.1.1.	Perform as Refuel Team Member	2b	3c
A4.12.3.2.	**Gravity Procedure**		
A4.12.3.2.1.	Perform as Refuel Team Member	b	-
A4.12.4.	**Defuel Helicopter**		
A4.12.4.1.	**Pressure Procedure**		
A4.12.4.1.1.	Perform as Defuel Team Member	b	-
A4.12.4.2.	**Gravity Procedure**		
A4.12.4.2.1.	Perform as Gravity Defuel Team Member	b	-
A4.12.5.	Prepare Helicopter for Fuel Cell Maintenance	b	-
A4.12.6.	**Remove and Install**		
A4.12.6.1.	Filters	2b	-
A4.12.6.2.	Auxiliary Tanks	2b/b	-
A4.12.6.3.	A/R Probe Comp	2b	-
A4.12.6.5.	Bleed Air Selector Valve	2b	-
A4.12.6.7.	A/R Probe	a	-
A4.13.	**Electrical Systems**		
A4.13.1	Electrical System Operation	A	-
A4.13.2.	**Perform Operational Check**		
A4.13.2.1.	AC Electrical Power System	A	-
A4.13.2.2.	DC Electrical Power System	A	-
A4.13.2.3.	Interior Light Systems	1b	-
A4.13.2.4.	Exterior Light Systems	1b	-
A4.13.3.	**Remove and Install**		
A4.13.3.1.	Batteries	a	-
A4.13.3.2.	Generator	2b	-
A4.13.3.5.	Landing/Search Light	2b	-
A4.13.4.	Connect/Disconnect External Electrical Power	2b	3c
A4.14.	**Instrument Systems**		
A4.14.1.	Instrument System Operation	A	-
A4.14.2.	Remove/Install Instruments	2b	-
A4.14.3.	Drain Pilot-Static System	1b	-
A4.14.4.	Perform Operational Check of the Instruments and AFCS System	A	-
A4.15.	**Auxiliary Power Plant**		

STS 2A5X2A MATRIX

STS ELEMEMT	TASK	PHASE 3A	PHASE 3B
A4.15.1.	Auxiliary Power Plant Assembly Operation	A	-
A4.15.2.	**Remove and Install**		
A4.15.2.1.	Clutch	2b	-
A4.15.2.2.	Chip Detector	2b	-
A4.15.2.3.	Hydraulic Starter	b	-
A4.15.2.4.	APP Assembly	b	-
A4.15.2.5.	APP Ignitor Plug	2b	-
A4.15.2.6.	APP Accumulator	2b	-
A4.15.3.	Operate APP	2b	-
A4.15.5.	**Service**		
A4.15.5.1.	Oil Tank	2b	
A4.15.5.2.	Accumulator	3c	
A4.16.	**Aircraft Vibrations**		
A4.16.1	Track and Balance Main Rotor Dynamically	b	-
A4.16.2.	Track and Balance Tail Rotor Dynamically	b	-
A4.16.3.	Adjust Main Rotor Blades	2b/b	-
A4.16.4.	Adjust Tail Rotor Blades	2b	-
A4.16.5.	Use/Vibration Monitor System-Data Transfer Unit (VMS-DTU)	2b/A	-

STS 2A532B
H-60 MATRIX

NOTE 1: The column title Phase 3A of the following matrix identifies training in the resident course conducted at Fort Eustis, VA. The column title Phase 3B identifies training that will be received at Moody AFB, GA.

NOTE 2: All applicable safety requirements, inspection requirements, Technical Orders, Corrosion, FOD, use of aircraft support equipment, tools and hardware necessary to properly perform maintenance are integrated throughout Phase 3A and Phase 3B courses to the training level of associated tasks

NOTE 3: Weapon system peculiar items not being taught due to weapon system configuration at student's end assignment do not require a Training Deficiency Letter to be issued.

NOTE 4: Many tasks in this matrix are identified with a proficiency code and then a "/X", indicating need to train these tasks with no current capability at Fort Eustis primarily due to Army course constraints. These tasks have been identified as training deficiencies to HQ AETC and will be trained as soon as the capability exists.

WEAPON SYSTEM	COURSE NUMBER	PDS CODE
H-60 (PHASE A)	J5ABA2A532B 000	XKF
H-60 (PHASE B)	J3ABP2A532B 001	TBD

STS ELEMENT	TASK	PHASE 3A	PHASE 3B
A5.	**H-60 Specific Items**		
A5.1.	**Perform Aircraft Inspection**		
A5.1.2.	**10 Hour/14 Day**		
A5.1.2.1.	Section 1 - Cockpit	1b	2b
A5.1.2.2.	Section 2 – Fuselage Cabin	1b	2b
A5.1.2.3.	Section 3 – Fuselage Transition	1b	2b
A5.1.2.4.	Section 4 – Fuselage Aft	1b	2b
A5.1.2.5.	Section 5 – Tail Pylon	1b	2b
A5.1.2.6.	Section 6 – M Rotor	1b	2b
A5.1.4.	500 Hour Periodic	A	-
A5.1.5.	**Supplemental Inspection**		
A5.1.5.1.	Acceptance	A	-
A5.1.5.2.	Calendar	A	-
A5.1.5.3.	Special	A	-
A5.1.5.4.	Hourly	A	-
A5.2.	**Use Communication Equipment**		
A5.2.1.	Interphone	-	3c
A5.3.	**Perform Ground Handling**		
A5.3.1.	Launch Helicopter	-	3c
A5.3.2.	Recover Helicopter	-	3c
A5.3.3.	**Tow Helicopter**		
A5.3.3.1.	Perform as Tow Team Member	2b	3c
A5.3.3.2.	Perform Brake Op	a	3c
A5.3.4.	Moor Helicopter	A	-
A5.3.5.	**Jack Helicopter**		
A5.3.5.1.	Perform as Jacking Team Member	A	2b
A5.3.7.	Load Helicopter On Transport Aircraft	A	-
A5.3.8.	Disassemble Helicopter for Air Shipment	2b/1b	-
A5.3.9.	Reassemble Helicopter for Air Shipment	2b/1b	-
A5.3.10.	Perform Special Maintenance Require Due to Environment	A	-
A5.4.	**Airframe Systems**		
A5.4.1.	Construction Features or Airframe	A	-
A5.4.2.	**Remove and Install**		
A5.4.2.1.	Airframe Components: Cowling, Panels and doors	2b	-
A5.4.2.6.	Vibration Absorbers	b	-
A5.4.3.	Fold Pylon	2b/1b	-
A5.5.	**Landing Gear Sys**		
A5.5.1.	Landing Gear Sys Operation	A	-
A5.5.2.	**Perform Operational Check**		
A5.5.2.1.	Tail Lock Actuator	2b	-
A5.5.2.2.	Brakes	a	-
A5.5.3.	**Service/Bleed**		
A5.5.3.1.	Shock Strut	2b	-
A5.5.3.2.	Tires	b	3c
A5.5.3.3.	Brakes	2b/b	-
A5.5.6.	**Remove and Install**		

STS ELEMENT	TASK	PHASE 3A	PHASE 3B
A5.5.6.1.	Wheel and Tire Assemblies	2b	-
A5.5.6.2.	Brake Assemblies	2b	-
A5.5.6.3.	**Landing Gear Components**		
A5.5.6.3.1.	Shock Strut	b	-
A5.5.6.3.2.	Tail Landing Gear Yoke	b	-
A5.5.6.3.4.	Tail Landing Gear Fork	b	-
A5.5.6.3.5.	Drag Beam	b	-
A5.5.7.	**Troubleshoot**		
A5.5.7.1.	Brake System	b	-
A5.5.7.2.	Brake System	b	-
A5.6.	**Utility System**		
A5.6.1.	Utility System Ops	A	-
A5.6.2.	**Perform Ops CK**		
A5.6.2.1.	Hoist	b	2b
A5.6.2.2.	Cargo Hook	A	-
A5.6.2.3.	Heating & Vent	A	-
A5.6.2.4.	Fire Detection	A	-
A5.6.2.5.	Windshield Wiper	A	-
A5.6.2.6.	Windshield Anti-Ice	A	-
A5.6.3.3.	**Hoist Components**		
A5.6.3.3.1.	Cable	b	-
A5.6.3.3.2.	Hook	b	-
A5.6.3.4.	Heating and Vent Sys Components	2b	-
A5.6.3.5.	Fire Detection System Components	b	-
A5.6.3.6.	Windshield Anti-Ice System Components	a	-
A5.6.3.7.	Windshield Wiper System Components	2b	-
A5.6.4.	**Adjust**		
A5.6.4.1.	Windshield Wiper Arm	b	-
A5.6.5.	**Service/Lubricate**		
A5.6.5.1.	Hoist	2b/b	-
A5.7.	**Flight Control Systems**		
A5.7.1.	Rotor Flight Control System Operation	A	-
A5.7.2.	Perform Operation Ck of Flt Cont Sys	-	2b
A5.7.3.	**Remove and Install**		
A5.7.3.1.	Control Rods	2b	-
A5.7.3.2.	Idlers & Bellcranks	2b/x	-
A5.7.3.3.	Pulleys	2b	-
A5.7.3.4.	Control Stick	2b/a	-
A5.7.3.5.	Spring Cylinder	2b/a	-
A5.7.3.6.	Cables	2b	-
A5.7.3.7.	Quadrants	2b/a	-
A5.7.3.9.	Stabilator	2b	-
A5.7.3.11.	Stabilator Actuator	2b	-
A5.7.4.	**Rig**		
A5.7.4.1.	Main Rotor	A	-
A5.7.4.2.	Tail Rotor	A	-
A5.7.5.	M/R Rig Check	1b	-

STS ELEMENT	TASK	PHASE 3A	PHASE 3B
A5.7.6.	Tail Rotor Rig Ck	1b	-
A5.8.	**Transmission and Drive System**		
A5.8.1.	Transmission Sys Operation	A	-
A5.8.2.	Drive System Operation	A	-
A5.8.3.	Transmission Oil System Operation	A	-
A5.8.4.	Adjust Transmission Oil System	A	-
A5.8.6.	Service Transmission Sys	A	-
A5.8.7.	Service Drive Sys	A	-
A5.8.8.	**Remove and Install**		
A5.8.8.1.	Accessory Module	2b	-
A5.8.8.2.	Main Module	A	-
A5.8.8.3.	Intermediate G/B	2b/b	-
A5.8.8.4.	Tail Gearbox	2b/b	-
A5.8.8.5.	Oil Cooler & Blower	b	-
A5.8.8.7.	Tail Drive Shaft	2b	-
A5.8.8.8.	Viscous Damper Bearing Assembly	a	-
A5.8.8.9.	Chip Detector	2b	-
A5.8.8.11.	M/G/B Oil Filter and Screen	2b	-
A5.8.8.12.	Input Module	2b	-
A5.9.	**Rotor System**		
A5.9.1.	**Main Rotor**		
A5.9.1.1.	Rotor System Operation	A	-
A5.9.1.2.	Blade Inspection Method (BIM) System Operation	A	-
A5.9.1.3.	Blade De-icing Ops	A	-
A5.9.2.	**Remove and Install**		
A5.9.2.1.	Rotor Head	2b	-
A5.9.2.2.	Spindle	2b/b	-
A5.9.2.3.	Damper	2b	-
A5.9.2.6.	Pitch Control Rods	2b	-
A5.9.2.8.	Rotor Blades	2b	-
A5.9.2.10.	Swashplate Assembly	2b	-
A5.9.2.13.	Bifilar/Weights	2b	-
A5.9.2.15.	BIM Indicator	b	-
A5.9.2.16.	Blade De-Ice Comp	2b	-
A5.9.2.17.	Droop/Flap Stop	2b	-
A5.9.3.	Perform Pretrack Adjustment	2b/b	-
A5.9.4.	Perform Autorotation Adjustment	2b/b	-
A5.9.5.	**Service**		
A5.9.5.1.	Damper System	b	2b
A5.9.5.2.	Blades	2b	-
A5.9.6.	Lubricate System Components	a	2b
A5.9.8.	**Tail Rotor**		
A5.9.8.1.	Tail Rotor System Operation	A	-
A5.9.8.2.	Tail Rotor De-Ice Operation	A	-
A5.9.9.	**Remove and Install**		
A5.9.9.1.	Paddles	2b	-
A5.9.9.2.	Inner Retention Plate	2b	-

STS ELEMENT	TASK	PHASE 3A	PHASE 3B
A5.9.9.3.	Tail Rotor De-Ice Components	b	-
A5.9.9.4.	Tail Rotor Pitch Control Rods	2b	-
A5.10.	**Hydraulic Systems**		
A5.10.1.	Hydraulic System Operation	A	-
A5.10.2.	**Perform Operational Check**		
A5.10.2.1.	#1 Hydraulic Sys	2b/x	-
A5.10.2.2.	#2 Hydraulic Sys	2b/x	-
A5.10.2.3.	Rotor Brake	b	-
A5.10.2.4.	Backup Hydraulic System	-	2b
A5.10.3.	**Remove and Install**		
A5.10.3.2.	Primary Servo	2b/b	-
A5.10.3.3.	Boost Servos	2b	-
A5.10.3.5.	Manifold	a	-
A5.10.3.6.	Pump Module	2b	-
A5.10.3.7.	Pilot Assist Module	2b	-
A5.10.3.8.	Transfer Module	2b/a	-
A5.10.3.9.	Utility Module	a	-
A5.10.3.10.	Filters	/b	2B
A5.10.3.11.	Rotor Brake	b	-
A5.10.3.12.	Tail Rotor Servo	a	-
A5.10.4.	**Service**		
A5.10.4.1.	Reservoirs	a	3c
A5.10.4.2.	APU Accumulator	2b	-
A5.11.	**Power Plant And Related Systems**		
A5.11.1.	Turboshaft Engine Operation	A	-
A5.11.2.	**Power Plant Sys Operation**		
A5.11.2.1.	Ignition	A	-
A5.11.2.2.	Fuel	A	-
A5.11.2.3.	Oil	A	-
A5.11.2.4.	Inlet Particle Separator System	A	-
A5.11.2.5.	IGV Actuating System	A	-
A5.11.2.6.	Anti-Icing	A	-
A5.11.3.	**Remove and Install**		
A5.11.3.1.	Oil Pressure Switch	a	-
A5.11.3.2.	Ignition Unit	a	-
A5.11.3.3.	Ignition Plug	2b	-
A5.11.3.4.	Exhaust Module/ Hover Infrared Suppression System (HIRSS)	2b/a	-
A5.11.3.5.	Chip Detector	2b	-
A5.11.3.6.	Inlet Particle Separator	2b	-
A5.11.3.7.	Engine	2b	-
A5.11.3.8.	Engine Inlet	2b	-
A5.11.3.9.	Inlet Anti-Ice Valve	a	-
A5.11.3.10.	Anti-Ice Start Bleed Valve	a	-
A5.11.3.11.	Filters And Screens	2b	-
A5.11.3.12.	Engine Starter	b	-
A5.11.3.13.	Electrical/Digital Control Unit	b	-
A5.11.3.14.	Hydro Mechanical Unit	2b	-

STS ELEMENT	TASK	PHASE 3A	PHASE 3B
A5.11.4.	Service Engine Oil System	b	-
A5.12.	**Fuel Systems**		
A5.12.1.	Fuel System Operation	A	-
A5.12.2.	**Perform Operational Check**		
A5.12.2.1.	Main	-	b
A5.12.2.2.	Auxiliary	-	b
A5.12.2.3.	Inflight	2b	-
A5.12.3.	**Refuel Helicopter**		
A5.12.3.1.	**Pressure Procedure**		
A5.12.3.1.1.	Perform As Refuel Team Member	a	3c
A5.12.3.2.	**Gravity Procedure**		
A5.12.3.2.1.	Perform as Refuel Team Member	a	b
A5.12.4.	**Defuel Helicopter**		
A5.12.4.1.	**Pressure Procedure**		
A5.12.4.1.1.	Perform as Defuel Team Member	a	b
A5.12.4.2.	**Gravity Procedure**		
A5.12.4.2.1.	Perform As Defuel Team Member	a	b
A5.12.6.	**Remove And Install**		
A5.12.6.1.	Auxiliary Tanks	-	b
A5.12.6.2.	Transfer Pump	b	-
A5.12.6.5.	Prime Boost Pump	a	-
A5.12.6.6.	Breakaway	a	-
A5.12.6.7.	A/R Probe	a	-
A5.12.6.8.	A/R Probe nozzle	2b	-
A5.12.6.9.	Probe Management Package	b	-
A5.12.6.10.	Fuel Man Package	b	-
A5.13.	**Electrical Systems**		
A5.13.1.	Electrical System Operation	A	-
A5.13.2.	**Perform Operational Check**		
A5.13.2.1.	AC Electrical Power System	2b/x	-
A5.13.2.2.	DC Electrical Power System	2b/x	-
A5.13.2.3.	Interior Light System	-	3c
A5.13.2.4.	Exterior Light System	-	3c
A5.13.3.	**Remove And Install**		
A5.13.3.1.	Battery	-	2b
A5.13.3.2.	Generator	2b	-
A5.13.3.3.	Current Limiter	a	-
A5.13.3.4.	Converter	a	-
A5.13.3.5.	Generator Control Unit	a	-
A5.13.3.6.	Relay Panel	a/x	-
A5.13.3.7.	Landing/Search Light	2b/a	-
A5.13.4.	Connect/Disconnect External Electrical Power	b	3c
A5.14.	**Instrument Systems**		
A5.14.1.	Instrument System Operation	A/x	-
A5.14.2.	Remove/Install Instruments	1a/x	-
A5.14.4.	Perform Operational Check of the Instruments and AFCS Sys	A/x	-
A5.14.5.	Remove and Replace Signal Data Converter (SDC)	a	-

STS ELEMENT	TASK	PHASE 3A	PHASE 3B
A5.15.	**Auxiliary Power Unit**		
A5.15.1.	APU Theory of Operation	A	-
A5.15.2.	**Remove And Install**		
A5.15.2.1.	Hydraulic Starter	1a	-
A5.15.2.2.	APU Assembly	2b	-
A5.15.2.3.	Electrical Sequencing Unit (ESU)	2b/a	-
A5.15.2.4.	APU Ignitor-plug	2b/a	-
A5.15.2.5.	APU Start Fuel Nozzle	2b/a	-
A5.15.2.6.	APU Accumulator	2b/b	-
A5.15.3.	Operator APU	b/x	b
A5.15.4.	Service	a	-
A5.16.	**Aircraft Vibrations**		
A5.16.1.	Track & Balance Main Rotor Dynamically	1a	-
A5.16.2.	Balance Tail Rotor Dynamically	1a	-
A5.16.3.	Adjust Main Rotor Blades	2b	-
A5.16.4.	Tune Vibration Absorbers	b/x	-
A5.16.5.	Perform Oil Cooler Vibration Check	b/x	-
A5.16.6.	Balance Engine Output Shaft	b/x	-
A5.16.7.	Troubleshoot Using 8500 Analyzer	1a	-

Section B – Course Objective List

4. Measurement. Each proficiency coded STS task or knowledge item taught at the technical school is measured through the use of an objective. An objective is a written instruction for the student so he or she knows what is expected of them to successfully complete training on each task. Each objective consists of a condition, behavior, and standard which 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. Each objective uses letter code(s) to identify how it is measured. All objectives use the PC code which indicates a progress check is used to measure subject or task knowledge. **W** indicates a comprehensive written test and is used to measure the subject or task knowledge at the end of a block of instruction. **PC/W** indicates a subject or task knowledge progress check and a separate measurement of both knowledge and performance elements using a written test.

5. Standard. The standard of written examinations is 70%. Standards for performance objectives are indicated in the objective and are also indicated on the individual progress check checklist. The checklist us used by the instructor to document each students progress on each task. Instructor assistance is provided as needed during the progress check, and students may be required to repeat all or part of the behavior until satisfactory performance is attained. Students must satisfactorily complete all **PCs** prior to taking the written test.

6. Proficiency Level. 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 Part II, Section A of this CFEPT 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.

7. Course Objective. A detailed listing of initial skills or craftsman course objectives may be obtained by submitting a written request to GS-12 Rosemary Williams, 360 TRS/TRR, 912J Ave. Sheppard AFB TX, 76311-2520. "Course descriptions can be found in the Air Force Education and Training Course Announcements (ETCA). The URL for ETCA is: https://etca.randolph.af.mil/ ."

7.1 Course J5ABA2A532B 000, UH-60 (ITRO), Helicopter training (US Army, USAF) at FT Eustis VA. Training includes helicopter familiarization, airframe systems, ground handling, landing gear systems, utility system, hydraulic systems, electrical system, communication equipment, instrument systems, fuel systems, aircraft vibrations, aircraft support equipment, maintenance management, technical publications, Core Automated Maintenance System (CAMS), periodic and supplemental aircraft inspections and helicopter servicing.

7.2. Course J3ATP2A532 000, Helicopter Maintenance Apprentice (Commons Course) includes fundamentals for mechanics with emphasis on the maintenance and inspection of helicopters used the Air Force. Aircraft and flightline practices, use of tools, aircraft support equipment, and care and use of special tools. Course covers corrosion identification and cleaning, maintenance management and aircraft inspections and maintenance systems. Use of technical orders, CAMS, publications, and maintenance forms are also covered. Limited training is taught on the H-53 and CV-22 helicopter systems. Course is taught at Ft. Eustis VA and feeds the H-53 MRA and CV-22 courses.

7.3. Course J3AQP2A532A 002, Helicopter Maintenance Apprentice (H-55 MRA) includes helicopter common course, and H-53 helicopter specific "cold" training at Ft Eustis. Training includes helicopter familiarization, airframe components, ground handling, fuel system, electrical system, utility systems, landing gear system, wheel, tire, and brake system, main rotor system, transmission system, flight control system, flight control rigging, blade tracking and balancing and aircraft vibrations, phase concept and supplemental aircraft inspection, servicing, and task certification.

7.4. J3ABP2A532A 002, Helicopter Maintenance Apprentice (H-53 MRA) includes working on an active flightline. The course provides task certification launching, recovering, towing, and refueling operational aircraft. Training is conducted at Kirtland AFB, NM.

7.5. J3ACR2A572 000, Helicopter Maintenance Craftsman Course includes training on maintenance of training records, logistics management, and maintenance accountability. Troubleshooting procedures for the utility, hydraulic, power plant, transmission, rotor, flight control and fuel systems are also included.

Section C – Support Material

8. The following list of support materials is not all inclusive; however; it covers the most frequently referenced areas. For further information on the following courses, contact the OPR at:

81 TRSS/TSQA
601 D Street
Kessler AFB, MS 39534-2229
DSN 597-9041

782 TRG/TGA
620 9th Avenue Suite 3
Sheppard AFB, TX 76311-2368
DSN 736-2568

Course Number	Course Title	Developer
*AFQTP2EXXX-201L	Workcenter Managers Handbook	81 TRS
*AFQTP2EXXX-201LB	C-E Managers Handbook	81 TRS
ECI Specialized Course 1200	Air Force Technical Orders	782 TRG
*AFJQS2EXXX-201G	Maintenance Support	81 TRS
*AFJQS2EXXX-201P	TMDE Management	81 TRS
*AFJQS2EXXX-201J	Maintenance Training Program	81 TRS

Courses can be downloaded from 81 TRS home page at:
https://wwwmil.keesler.af.mil/81trss/qflight/welcome.html

Section D – Training Course Index:

9. Purpose: This section of the CFETP identifies training courses available for the 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 at:

360 TRS/TRR
913 J Avenue
Sheppard AFB, TX 76311-2520
DSN 736-5205

10. Air Force In-Resident Courses.

COURSE NUMBER	COURSE TITLE	LOCATION	USER
J5ABA2A532B 000 600-67T10-ITRO	HH-60 Helicopter repairer (ITRO)	Ft Eustis VA	USAF/USA
J3ATP2A532 000	Helicopter Maintenance Apprentice (COMMONS)	Ft Eustis VA	USAF H-53/CV22
J3AQP2A532A 002	Helicopter Maintenance Apprentice (H-53 MRA)	Ft Eustis VA	USAF
J3ABP2A532A 002	Helicopter Maintenance Apprentice (H-53 MRA)	Kirtland AFB NM	USAF
J3ACR2A572 000	Helicopter Maintenance Craftsman	Ft Eustis VA	USAF

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

360 TRS/TRR
913 J Avenue
Sheppard AFB, TX 76311-2520
DSN 736-5205

Course Number	Course Title	User
CDC 2A552	Helicopter Maintenance Journeyman	USAF
CDC 2A572	Helicopter Maintenance Craftsman	USAF

12. Exportable Courses.

For further information on the following exportable courses, contact the OPRs at:

AETC/TRSS
6058 Aspen Ave
Hill AFB, UT 84056-5805
DSN 777-7830/8741

360 TRS/TRR
913 J Avenue
Sheppard AFB, TX 76311-2520
DSN 736-5205

Course Number	Course Title	OPR	User
A6ANU00TCB0000	FOD Prevention (CD-ROM, Video)	AETC/TRSS	USAF
C5AKM00TVT0001	Safety and Radio Frequency (RF) Radiation	AETC/TRSS	USAF
C5AKM00TIV0001	Troubleshooting Techniques	AETC/TRSS	USAF
C6AGM00TIV0002	Aerospace Ground Equipment	AETC/TRSS	USAF
Z6AGM00TCB0002	Multimeter Familiarization	AETC/TRSS	USAF
Z6AKM00QIV0009	Torque Wrench Familiarization	AETC/TRSS	USAF
C5AKM00TVT0011	Cold Weather Safety	AETC/TRSS	USAF
Z6AKM00TVT0017	Aircraft Corrosion Control (CD-ROM, Video)	AETC/TRSS	USAF
C6AGM00QIV1000	Aircraft Marshalling	AETC/TRSS	USAF
C6AGM00SIV8971	-86 Diesel Power Unit Operation	AETC/TRSS	USAF
C6ANU00TIV1001	Joint Oil Analysis Program (JOAP) (CD ROM)	AETC/TRSS	USAF
J6ANU2A5X2 004	Helicopter Weight and balance	362 TRS	USAF
J6AZU2E066 044	Air Force Technical Order (T.O.) System (Gen)	362 TRS	USAF
J6AZU2E066 039	Air Force Technical Order (T.O.) System (Gen) (Adv)	362 TRS	USAF

13. Training Detachment (TD) Courses

For further information on TD courses contact the OPR at:

373 TRS/TRR
912 I Avenue, Suite 2
Sheppard AFB, TX 76311-2362
DSN 736-4751

Course Number	Course Title	OPR	User
J4ASF 2A5X2 001	H-53 Helicopter Maintenance	373 TRS	USAF
J4ASF 2A5X2 006	H-60 Helicopter Craftsman	373 TRS	USAF

14. Courses Under development/Revision

Course Number	Course Title	OPR	User
J3ABP2A532B 000	Helicopter Maintenance Apprentice (H-60 MRA)	Moody AFB	USAF

Section E – MAJCOM Unique Requirements

15. There are currently no MAJCOM unique requirements. This area is reserved