

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

**CFETP 2T3XX**  
**Parts I and II**  
**01 NOVEMBER 2010**

**Air Force Specialty Code (AFSC) 2T3XX**

**Vehicle Management Specialties**

**CAREER FIELD EDUCATION AND TRAINING PLAN (CFETP)**

ACCESSIBILITY: Publications and forms are available on the e-publishing website at [www.e-publishing.af.mil](http://www.e-publishing.af.mil) for downloading or ordering.

RELEASABILITY: There are no releasability restrictions on this publication.

**CFETP  
VEHICLE MANAGEMENT SPECIALTIES  
AFSC 2T3XX**

**Table of Contents**

<b>Part I</b>	
Preface	----- 3
Abbreviations/Terms Explained	----- 3
<b>Section A, General Information</b>	
Purpose of the CFETP	----- 9
Use of the CFETP	----- 9
Coordination and Approval of the CFETP	----- 10
<b>Section B, Career Progression and Information</b>	
Specialty Descriptions	----- 10
Skill/Career Progression	----- 17
Apprentice Level (3)	----- 18
Journeyman Level (5)	----- 18
Craftsman Level (7)	----- 18
Superintendent Level (9)	----- 18
Training Decisions	----- 18
Community College of the Air Force (CCAF)	----- 18
Career Path	----- 23
<b>Section C, Skill Level Requirements</b>	
Purpose	----- 24
Specialty Qualifications	----- 24
Apprentice Level (3)	----- 24
Journeyman Level (5)	----- 25
Craftsman Level (7)	----- 25
Superintendent Level (9)	----- 25
<b>Section D, Resource Constraints</b>	----- 26
<b>Section E, Transition Training Guide</b>	----- 26
<b>Part II</b>	
<b>Section A, Specialty Training Standards (STS)</b>	
2T3X1, 2T3X2A, 2T3X2C and 2T3X0, Vehicle Maintenance	----- 28
2T3X7, Vehicle Management and Analysis	----- 50
<b>Section B, Course Objective List</b>	----- 60
<b>Section C, Support Materials</b>	----- 60
<b>Section D, Training Course Index</b>	----- 60
<b>Section E, MAJCOM Unique Requirements</b>	----- 61

OPR: 344 TRS/TRRP

Certified By: CMSgt Kenneth Campbell (HQ USAF/A4LE)

Supersedes: CFETP2T3XX, 01 Oct 2009, and CFETP2T3XXC1, 1 Jan 2010

Number of Pages: 61

# VEHICLE MANAGEMENT SPECIALTIES

## AFSC 2T3XX CFETP

### Part I

#### *Preface*

1. The CFETP is a comprehensive education and training document that identifies life-cycle education/training requirements, training support resources and minimum core task requirements for this specialty. The CFETP will provide vehicle management personnel a clear career path to success and will instill rigor in all aspects of career field training. **Note:** Civilians occupying associated positions may use Part II to support duty position qualification training. Air Force Reserve Command (AFRC) and Air National Guard (ANG) career paths will differ from the career paths depicted in this document. They may develop career paths that more accurately describe the life-cycle of reserve and guard personnel.
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); **Section E** identifies transition training guide requirements for SSgt through MSgt.
  - 2.2. Part II includes the following: **Section A** identifies the STSs and includes duties, tasks, technical references to support training, Air Education and Training Command (AETC) conducted training, wartime course, core task and correspondence course requirements; **Section B** Optional (not used); **Section C** identifies available support materials (an example is a Qualification Training Package (QTP) which may be developed to support proficiency training and they are identified in <http://www.e-publishing.af.mil>); **Section D** identifies a training course index supervisors can use to determine resources available to support training (included here are both mandatory and optional courses); **Section E** identifies (Major Commands) MAJCOM's unique training requirements supervisors can use to determine additional training required for the associated qualification needs.
3. Using guidance provided in the CFETP will ensure individuals in vehicle management specialties receive effective and efficient training at the appropriate point in their career. This plan will enable us to train today's work force for tomorrow's jobs. 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 Distributed Learning Service (ADLS).** ADLS is worldwide accessible, web-enabled Learning Management System (LMS) that provides delivery, tracking and on-demand reporting of training with no client software required to access the system. ADLS location is at [https://golearn.csd.disa.mil/kc/main/kc\\_frame.asp?blnWhatsNew=True](https://golearn.csd.disa.mil/kc/main/kc_frame.asp?blnWhatsNew=True).

**Advanced Training (AT).** Formal course which provides individuals who are qualified in one or more positions of their Air Force Specialty (AFS) with additional skills/knowledge to enhance

their expertise in the career field. Training is for selected career Airmen at the advanced level of the AFS.

**AEF Reporting Tool (ART).** The AEF reporting tool on SIPRNET that provides timely and accurate readiness

**AETC Training Manager (AETC-TM).** AETC-TM acts as a link between the customer, MAJCOMs and the training providers (schoolhouse). Collectively we refer to the training squadrons, courses, instructors and curriculum developers, as the schoolhouse. The AETC-TM moderates the long term, visionary training goals of the career field with the real time ability of the schoolhouse to meet those training goals.

**AETC Training Pipeline Manager (AETC-TPM).** Co-chairs with the Air Force Career Field Manager (AFCFM), Utilization and Training Workshops (U&TWs) and AFS planning meetings. Responsible for the oversight, development and execution of all formal training to include money, manpower and machines to bring new training on-line. Acts as liaison between AFCFM and training community.

**Air Force Career Field Manager (AFCFM).** An individual who is the single Point of Contact (POC) responsible for overall management of an AFS. AFCFM responsibilities include policy development, training, skills management and career progression.

**Air Force Enlisted Classification Directory (AFECD).** This guide establishes the occupational structure of the Air Force enlisted force. The occupational structure is flexible to permit enlisted personnel to specialize and develop their skills and abilities while allowing the Air Force to meet changing mission requirements. Located at website <http://ask.afpc.randolph.af.mil/> (At the home page, click on the Enlisted tab, select Career Management and Classification from the pull-down menus and then hit Search.).

**Air Force Specialty (AFS).** A group of positions (with the same title and code) that require common qualifications.

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

**Allocation Curves.** The relation of hours of training in different training settings to the degree of proficiency which can be achieved on specified performance requirements.

**Bridge Course.** A formal or informal course of training which allows the individual to expand his/her knowledge in another area of expertise.

**Career Field Education and Training Plan (CFETP).** A comprehensive core training document that identifies: Life-cycle education and training requirements, training support resources and the minimum core task requirements for a specialty. The CFETP aims to give personnel a clear career path and instills a sense of industry in career field training.

**Career Training Guide (CTG).** A document that uses Task Modules (TMs) in lieu of tasks to define performance and training requirements for a career field.

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

**Certification Official.** A person whom the supervisor assigns to determine an individual's ability to perform a task to required standards.

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

**Core Task.** Tasks the AFCFM identify as minimum qualification requirements within an AFSC, regardless of duty position. Core tasks may be specified for a particular skill level or in general across the AFSC. Guidance for using core tasks can be found in the applicable CFETP narrative.

**Course Objective List (COL).** A publication, derived from initial/advanced skills course training standard, identifying the tasks and knowledge requirements, and respective standards provided to achieve a 3- or 7-skill level in this career field. Supervisors use the COL to assist in conducting graduate evaluations in accordance with Air Force Instruction (AFI) 36-2201, *Air Force Training Program*.

**Duty Position Task.** The tasks assigned to an individual for the position currently held. These include as a minimum all core tasks that correspond to the duty position, and tasks assigned by the supervisor.

**Education and Training Course Announcements (ETCA).** The primary tool used for information on education and training courses, such as available courses, prerequisites, reporting instructions etc. ETCA is accessed via the World Wide Web (WWW) at address <https://etca.randolph.af.mil/>.

**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.

**Exportable Course.** Instructional packages that personnel design for use in the field. The course may include printed, computer-based or other audiovisual materials.

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

**Field Technical Training (Type 7).** Special or regular on-site training conducted by a Field Training Detachment (FTD) or by a mobile training team.

**Go/No Go.** The stage at which an individual has gained enough skill, knowledge and experience to perform the tasks without supervision. Meeting the task standard.

**Initial Skills Training.** Formal school courses that result in an AFSC 3-skill level award for enlisted or mandatory training for upgrade to qualify for officers.

**Instructional System Development (ISD).** A deliberate and orderly, but flexible process for planning, developing, implementing and managing instructional systems. It ensures personnel are taught the knowledge, skills and attitudes essential for successful job performance in a cost efficient way.

**MAJCOM Functional Manager (MFM).** An individual who is the POC responsible for MAJCOM management of an AFS. MFM responsibilities include coordination with the AFCFM, policy development, training, skills management and career progression at the MAJCOM-level.

**Mobile Training Team (MTT).** Technical training conducted at operational locations by a resident course instructor using the facilities and equipment at those locations.

**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 (OJT).** Hands-on, “over-the-shoulder training” that a duty location uses to train personnel in both upgrade (skill level award) and job qualification (duty position certification) training.

**Optimal Training.** The ideal combination of training settings resulting in the highest levels of proficiency on specified performance requirements within the minimum time possible.

**Position Qualification Training.** Training designed to qualify an Airman in a specific position.

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

**Program Objective Memorandum (POM).** Developed by individual services to set objectives for their forces, weapon systems and logistical support within the fiscal limits assigned to them by the Secretary of Defense. Covers a 6-year period.

**Qualification Training (QT).** Hands-on performance training designed to qualify an Airman in a specific duty position. This training occurs both during and after the upgrade training to maintain up-to-date qualifications. It is designed to provide the performance skills 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 funds, facilities, time, manpower and equipment that preclude desired training from being delivered.

**Schoolhouse.** The principle AETC location where training is conducted and/or managed.

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

**Specialty Training.** The total training process (life cycle) used to qualify Airmen in their assigned specialty.

**Specialty Training Standard (STS).** An Air Force publication that describes skills and knowledge that an Airman in a particular AFS needs on the job. It further serves as a contract between the AETC and the user to show the overall training requirements for an AFSC that the formal schools teach.

**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.

**Subject Matter Expert (SME).** Highly motivated and experienced individual who is an effective communicator and has a thorough understanding of career field issues. The AFCFM and training personnel call on SMEs for specialty related issues such as attending U&TWs and for writing Specialty Knowledge Tests (SKTs) for Weighted Airman Promotion System (WAPS) testing.

**Task Module (TM).** A group of tasks performed within an AFS that are performed together and that require common knowledge, skills and abilities. TMs are identified by an identification code and a statement.

**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 personnel to perform specific tasks through OJT methods. Also, equipment that the trainer uses to teach personnel specified tasks.

**Training Business Area (TBA).** A Web-Based application providing Air Force War fighters with global, real-time visibility into the technical qualifications, certifications and training status of logistics, communications and information professionals Air Force wide. TBA supports base, wing and work center level training management activities by automating training management business processes. Information concerning TBA can be found on the TBA Community of Practice on the Air Force Portal:  
<https://www.my.af.mil/afknprod/community/views/home.aspx?Filter=OO-LG-ES-04>

**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, TPTs are more intimately involved in training development and the range of issues are greater than is normal in the U&TW forum.

**Training Requirements Analysis.** A detailed analysis of tasks for a particular AFS to be included in the training decision process.

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

**Training Session.** Training conducted by trainers based on technical data for a maintenance task that existing courses could not support.

**Upgrade Training (UGT).** Mandatory training which leads to attainment of higher level of proficiency.

**Utilization and Training Pattern.** A depiction of training provided to, and the jobs performed by, personnel throughout their tenure within a career field or AFS. There are two types of patterns: 1) Current pattern, which is based on the training provided to incumbents and the jobs to which they have been and are assigned; and 2) Alternate pattern, which considers proposed changes in manpower, personnel and training policies.

**Utilization and Training Workshop (U&TW).** A forum of MAJCOM AFSC functional managers, SMEs and AETC training personnel that determines career ladder training requirements.

**Wartime Tasks.** Those tasks that must be taught when courses are accelerated in a wartime environment. In response to a wartime scenario, these tasks will be taught in the 3-level course in a streamlined training environment. These tasks are only for those career fields that still need them applied to their schoolhouse tasks.

**Web-Based Training.** See ADLS.

### ***Section A, General Information***

**1. Purpose.** The CFETP provides information necessary for AFCFM, MFMs, commanders, training managers, supervisors and trainers to plan, develop, manage and conduct effective career field training programs. This plan outlines the training that individuals in these AFSs should receive in order 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 at one of the technical training centers. UGT identifies the mandatory courses, task qualification requirements and correspondence course completion requirements for award of the 3-, 5-, 7- and 9-skill levels. QT 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 UGT 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 OJT, 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 these AFSCs must be identified for inclusion in the plan.

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. MAJCOM representatives and AETC training personnel will identify and coordinate on the career field training requirements. The AETC training manager for 2T3XX specialties will initiate an annual review of this document by AETC and MFMs to ensure currency and accuracy. Using the list of courses in Part II, they will eliminate duplicate training.

### ***Section B, Career Progression and Information***

**4. Specialty Descriptions.** Typically, specialty descriptions provide a summary of the specialty, insight into duties and responsibilities associated to the specialty, and qualifications for entry or progression within the specialty. Descriptions for each of the specialties in the vehicle management career field follow:

#### **4.1. VEHICLE AND VEHICULAR EQUIPMENT MAINTENANCE:**

AFSC 2T351, Journeyman

AFSC 2T331, Apprentice

AFSC 2T311, Helper

Ref: AFECD

**4.1.1. Specialty Summary.** Performs vehicle maintenance activities on military and commercial design general and special purpose, base maintenance, aircraft and equipment towing vehicles, and vehicular equipment. Activities include inspection, diagnostics, repair, rebuild of components and assemblies, weld metals and repair vehicle glass. Related DoD Occupational Subgroup: 161000.

#### **4.1.2. Duties and Responsibilities:**

**4.1.2.1.** Determines the overall mechanical condition of vehicles and equipment, diagnose component malfunction and initiates repair actions. Systematically analyzes malfunctions by visual and auditory examination or through the use of test equipment. Repairs, adjusts, overhauls, or replaces major assemblies or sub assemblies such as power and drive trains, electrical, air conditioning, active and passive restraint systems, fuel, emission, steering assemblies, tracks, brake, hydraulic system components and vehicular equipment attachments. Removes, disassembles and repairs gasoline or diesel engines and components. Diagnoses, isolates malfunctions and repairs vehicle electrical, emissions, gasoline, diesel and alternative fuel systems. Removes and installs electrical components to facilitate repairs. Repairs components by replacing worn or damaged parts with new or reconditioned parts, grinding, fitting, balancing or arranging for welding or machining. Reassembles, adjusts and tests repaired units for proper operation. Repair, adjust and replaces locks, latches, remote controls, window regulators and other associated body components. Designs and manufactures mounted equipment such as seats, pintle hook mounts and towing connections. Cuts, grinds, bevels and smooths the edges of laminated automotive glass and installs. Replaces curved glass with factory replacements. Cleans, tests and repairs vehicle radiators and associated parts. Tests for leaks and blockage using tanks and flow testers. Selects the proper equipment for set up and prepares metal for welding. Welds, cuts, and repairs metals using oxyacetylene, gas-shielded and arc welding.

4.1.2.2. Aligns bearing loads, gear tooth contact and backlash to manufacturer specifications. Adjusts valve mechanisms, governors, oil systems, control linkages, clutches, traction units and other systems unique to this type of equipment. Times injection pumps and accessory shaft gear trains. Accomplishes tire and battery shop operations in a safe and efficient manner.

4.1.2.3. Performs preventive maintenance and special inspections. Uses technical publications or automated systems in maintaining vehicles to prescribed manufacturers' maintenance schedules and for researching parts. Ensures special inspections and maintenance on vehicles are performed correctly such as; corrosion control, winterization, storage and shipment. Properly annotates all maintenance performed on prescribed forms for data collection.

4.1.2.4. Adheres to all established safety policies and standards to include identification, use, and proper procedures for handling or disposal of hazardous wastes.

#### 4.1.3. **Specialty Qualifications:**

4.1.3.1. **Knowledge.** Knowledge is mandatory of: vehicle and equipment theory, principles and repair relating to internal combustion engines, electrical, mechanical, and hydraulic systems applying to the repair of vehicles and vehicular equipment; methods of hoisting and handling heavy mechanisms; using lubricants, tools, and publications; supply procedures and computers; metal composition and metal working methods; using oxyacetylene, gas shielded, and electric welding equipment.

4.1.3.2. **Education.** For entry into this specialty, completion of high school or general education development equivalency is mandatory.

4.1.3.3. **Training.** For award of AFSC 2T331, completion of the vehicle and equipment maintenance apprentice course is mandatory.

4.1.3.4. **Experience.** For award of AFSC 2T351, qualification in and possession of AFSC 2T331 is mandatory. Also, experience is mandatory in functions such as inspecting, repairing or maintaining vehicles and vehicular equipment.

#### 4.1.3.5. **Other.**

4.1.3.5.1. The following is mandatory for entry into this specialty:

4.1.3.5.1.1. Normal color vision according to AFI 48-123, *Medical Examinations and Standards*.

4.1.3.5.1.2. See attachment 4 for additional entry requirements.

4.1.3.5.2. The following are mandatory for award and retention in this specialty:

4.1.3.5.2.1. Qualification to operate government vehicles according to AFI 24-301, *Vehicle Operations*.

4.1.3.5.2.2. Qualification to operate government vehicles for "Maintenance Purposes Only" according to AFI 24-301, *Vehicle Operations*.

## 4.2. **SPECIAL VEHICLE MAINTENANCE:**

AFSC 2T352\*, Journeyman

AFSC 2T332\*, Apprentice

AFSC 2T312\*, Helper

Ref: AFECD

4.2.1. **Specialty Summary.** Performs vehicle maintenance activities on military and commercially designed fire fighting vehicles or Material Handling Equipment (MHE). Activities

include inspection, diagnostics, repair and rebuild of components and assemblies and weld metals. Related DoD Occupational Subgroup: 195000.

#### 4.2.2. **Duties and Responsibilities:**

4.2.2.1. Determines the overall mechanical condition of vehicles and equipment, diagnose component malfunction and initiates repair actions. Systematically analyzes malfunctions by visual and auditory examination or through the use of test equipment. Repairs, adjusts, overhauls, or replaces major assemblies or sub assemblies such as power and drive trains, electrical, air-conditioning, active and passive restraint systems, fuel, emission, steering assemblies, tracks, brake, and hydraulic system components. Removes, disassembles and repairs gasoline or diesel engines and components. Diagnoses, isolates malfunctions, and repairs vehicle electrical, emissions, gasoline, diesel and alternative fuel systems. Removes and installs electrical components to facilitate repairs. Repairs components by replacing worn or damaged parts with new or reconditioned parts, grinding, fitting, balancing or arranging for welding or machining. Reassembles, adjusts and tests repaired units for proper operation. Repairs, adjusts and replaces locks, latches, remote controls, window regulators and other associated body components. Designs and manufactures mounted equipment such as seats, pintle hook mounts and towing connections. Cleans, tests, and repairs vehicle radiators and associated parts. Tests for leaks and blockage using tanks and flow testers. Selects the proper equipment for set up and prepares metal for welding. Welds, cuts, and repairs metals using oxyacetylene, gas-shielded, and arc welding.

4.2.2.2. Calibrates and adjusts pumps, meters, safety unit proportioning devices and limiting devices to ensure proper operation. Synchronizes remote or manual electrical and hydraulic controls. Adjusts power boosters, clutches, drive chains and tension devices.

4.2.2.3. Performs preventive maintenance and inspections and special inspections. Uses technical publications in maintaining vehicles to prescribed manufacturers' maintenance schedules. Ensures special inspections and maintenance on vehicles are performed correctly, such as corrosion control, winterization, storage and shipment. Properly annotates all maintenance performed on prescribed forms for data collection purposes.

4.2.2.4. Adheres to all established safety policies and standards to include identification, use, and proper procedures for handling or disposal of hazardous waste.

#### 4.2.3. **Specialty Qualifications:**

4.2.3.1. **Knowledge.** Knowledge is mandatory of: special purpose vehicle theory, principles and repair relating to internal combustion engines, electrical, mechanical and hydraulic systems applying to the repair of special purpose vehicles and equipment; methods of hoisting and handling heavy mechanisms; using lubricants, tools, and publications; supply procedures and computers; metal composition and metal working methods; using oxyacetylene, gas shielded, and electric welding equipment.

4.2.3.2. **Education.** For entry into this specialty, completion of high school or general education development equivalency is mandatory.

4.2.3.3. **Training:** Completion of the following training is mandatory for award of the AFSC indicated:

4.2.3.3.1. 2T332A. Specialized vehicle maintenance (fire fighting vehicle) apprentice course.

4.2.3.3.2. 2T332C. Specialized vehicle maintenance MHE apprentice course.

4.2.3.4. Experience. The following experience is mandatory for award of the AFSC indicated:

4.2.3.4.1. AFSC 2T352A/C. Qualification in and possession of AFSC 2T332A/C. Also, experience is mandatory in the functions of inspecting, maintaining or repairing specialized vehicles.

4.2.3.5. **Other.**

4.2.3.5.1. The following are mandatory for entry into this specialty:

4.2.3.5.1.1. Normal color vision according to AFI 48-123, *Medical Examination and Standards*, is mandatory.

4.2.3.5.1.2. See attachment 4 for additional entry requirements.

4.2.3.5.2. The following are mandatory for award and retention in this specialty:

4.2.3.5.2.1. Qualification to operate government vehicles according to AFI 24-301, *Vehicle Operations*.

4.2.3.5.2.2. Qualification to operate government vehicles for “Maintenance Purposes Only” according to AFI 24-301, *Vehicle Operations*.

4.2.4. **\*Specialty Shredouts**

<i>Suffix</i>	<i>Portion of AFS to Which Related</i>
A	Fire Fighting Vehicles
C	463L Material Handling Equipment (MHE)

**4.3. VEHICLE MANAGEMENT AND ANALYSIS (VM&A):**

AFSC 2T377, Craftsman

AFSC 2T357, Journeyman

AFSC 2T337, Apprentice

AFSC 2T317, Helper

Ref: AFECD

4.3.1. **Specialty Summary.** Supervises and performs the scheduling and analysis of maintenance performed on vehicles and equipment. Oversees fleet management and accounts for vehicle fleet. Uses a computer to manage the vehicle data collection system and develops local retrievals to obtain specific data. Performs materiel control functions. Files historical data and maintains vehicle records. Related DoD Occupational Subgroup: 155800.

4.3.2. **Duties and Responsibilities:**

4.3.2.1. Supervises and performs On-Line Vehicle Interactive Management System (OLVIMS) and fleet management functions. Manages vehicle leasing program. Inputs data to the OLVIMS and Standard Base Supply System (SBSS) computer systems and verifies data accuracy. Prepares, reviews and corrects OLVIMS system products. Develops base vehicle priority buy program, vehicle minimum essential levels, vehicle priority recall listing and vehicle rotation plan. Performs fleet maintenance, operations analysis and vehicle control program. Develops local retrievals to obtain specific data and analyzes this data for specific trends. Coordinates with work center supervisors and using organizations to ensure a timely repair of assigned vehicles. Monitors contract and warranty repairs, status, and funding. Develops and administers long and short range plans and programs for completion of preventative maintenance and inspections, special inspections and projects. Programs vehicles for depot maintenance on a five-year maintenance plan. Controls and administers the delayed maintenance and accident and

abuse programs. Operates computers and calculators. Maintains and files vehicle historical data and records jackets. Analyzes data for deviations from specific performance indicators and helps to develop corrective actions.

4.3.2.2 Performs vehicle management data reporting/transfer as required. Uses Logistics Installation and Mission Support Enterprise View – Vehicle View (LIMS EV-VV). Collects data for mandated reporting requirements such as Resource Conservation and Recovery Act (RCRA), Status of Resources and Training Systems (SORTS), etc.

4.3.2.3. Assembles specific vehicular information by extracting and tabulating maintenance data in a logical presentation sequence using automated and manual methods. Prepares data for presentation in tabular, chart, graphic and summary form. Gives written and narrative summaries to meet management needs.

4.3.2.4. Manages Air Force equipment management system program for vehicle fleet. Develops alternative sources of support for operational vehicle shortfalls. Manages vehicle custodial account and vehicle authorization and utilization program, prepares and defends base level submission for central appropriated funds procurement of motor vehicles and other budgetary accounts. Reviews and coordinates on statements of work and performance requirements documents requiring government vehicles. Monitors and coordinates on military construction projects.

4.3.2.5. Inputs routine and Mission Capable (MICAP) requisitions in SBSS, monitor Due-In-From Maintenance (DIFM) Program and process SBSS inquiries.

#### 4.3.3. **Specialty Qualifications:**

4.3.3.1. **Knowledge.** Knowledge is mandatory of: vehicle fleet management and analysis; maintenance responsibilities; maintenance data collection and reporting procedures; LIMS EV-VV; and small computer operation.

4.3.3.2. **Education.** For entry into this specialty, completion of high school with courses in algebra or equivalent mathematics, small computer operations and auto mechanics is desirable.

4.3.3.3. **Training.** The following training is mandatory for award of the AFSC indicated:

4.3.3.3.1. 2T337. Completion of a vehicle management and analysis apprentice course.

4.3.3.3.2. 2T357. None.

4.3.3.3.3. 2T377. Completion of Vehicle Management Craftsman course (web-based training).

4.3.3.4. **Experience.** The following experience is mandatory for award of AFSC indicated:

4.3.3.4.1. 2T357. Qualification in and possession of AFSC 2T337. Also, experience in functions such as vehicle fleet management & analysis, quality control, customer service center or maintenance shop work center, obtaining parts and materials for use in vehicle maintenance, and management of leased/rental vehicles and DoD FLEET Fuel Card Program.

4.3.3.4.2. 2T377. Qualification in and possession of AFSC 2T357. Also, experience performing or supervising functions such as vehicle fleet management and analysis, quality control, customer service center or maintenance shop work centers, and in obtaining parts and materials for use in vehicle maintenance.

4.3.3.5. **Other.**

4.3.3.5.1. See attachment 4 for additional entry requirements.

4.3.3.5.2. For award and retention of AFSCs 2T3X7, must maintain an Air Force Network License according to AFI 33-115, Vol 2, *Licensing Network Users and Certifying Network Professionals*.

#### **4.4. VEHICLE AND VEHICULAR EQUIPMENT MAINTENANCE:**

AFSC 2T370, Craftsman

Ref: AFECD

**4.4.1. Specialty Summary.** Supervises and performs vehicle and vehicular equipment maintenance activities and functions, including diagnostics, repairs, rebuilding components and assemblies and fabrication of parts. Ensures compliance with vehicle maintenance policies, directives and procedures. Related DoD Occupational Subgroup: 161000.

#### **4.4.2. Duties and Responsibilities:**

4.4.2.1. Plans and schedules vehicle and equipment maintenance activities. Plans and controls work methods, production schedules, operating procedures and performance standards. Monitors established maintenance priorities, tire and battery shop operations, and determines mission requirements. Ensures vehicles, equipment, tools, parts, and manpower are available to support mission requirements. Ensures maintenance and supply documentation is complete and accurate. Provides input to and reviews the AEF Reporting Tool.

4.4.2.2. Inspects and evaluates vehicles, equipment and body maintenance functions. Diagnoses malfunctions of major assemblies and subassemblies to determine the extent of repair or replacement, or recommend disposition of vehicles and equipment. Diagnoses, isolates malfunctions, and repairs vehicle electrical, emissions, gasoline, diesel, and alternative fuel systems. Inspects repaired or rebuilt parts and equipment to ensure work conforms to standards. Inspects equipment for required modification and installation of safety devices. Ensures shop equipment is inspected and serviced at required intervals and that unserviceable tools and equipment are removed from service and their condition tagged. Identifies and initiates materiel deficiency reports at work center level.

4.4.2.3. Performs vehicle, equipment and vehicle body maintenance functions. Solves complex maintenance problems by interpreting layout drawings, specifications, schematics, diagrams and operating characteristics of vehicles and components. Uses technical orders, commercial manuals or automated systems to determine maintenance procedures and research parts. Troubleshoots, adjusts, repairs, and tests vehicles: alternate fuel, diesel and gasoline engines; fuel, exhaust and electrical systems; clutches; torque converters; transmissions; transfer cases; power takeoffs; drive lines; axles; frames; steering, suspension, dispensing, brake, air, and hydraulic systems; tracks; winches; emission control, heating and air-conditioning systems, active/passive restraint systems and other mounted or special equipment. Cuts, grinds, repairs and installs vehicle glass and Plexiglas. Welds vehicle parts and accessories.

4.4.2.4. Practices and ensures compliance with all established safety policies and standards. Implements hazardous waste management policies and procedures ensuring collection, control and disposition of hazardous and toxic waste material accumulations.

#### **4.4.3. Specialty Qualifications:**

4.4.3.1. Knowledge. Knowledge is mandatory of: vehicle maintenance and management, maintenance data interpretation, quality assurance, and preparing deficiency reports; Air Force Occupational Safety and Health Standards; supervision and training programs and procedures; simple mathematical computations; maintenance of vehicle, special purpose vehicle, and vehicular equipment major assemblies, sub-assemblies, components and systems; use of welding equipment and metal working methods; body and cab repair, painting and marking; glass replacement; towing devices; supply discipline and procedures for obtaining parts, supplies, and equipment.

4.4.3.2. **Education.** Not used.

4.4.3.3. **Training:** For award of AFSC 2T370, completion of the Vehicle Management Craftsman course (web-based training) is mandatory.

4.4.3.4. **Experience.** Qualification in and possession of AFSC 2T351, 2T352A or 2T352C is mandatory. Also, supervisory experience in functions such as inspecting, repairing, modifying or troubleshooting vehicular and equipment systems, automotive body repair and surface refinishing, welding operations and glass work.

4.4.3.5. **Other:** The following are mandatory as indicated.

4.4.3.5.1. For entry into this specialty:

4.4.3.5.1.1. Normal color vision as defined in AFI 48-123, *Medical Examinations and Standards*.

4.4.3.5.2. For award and retention in this specialty:

4.4.3.5.2.1. Qualification to operate government vehicles according to AFI 24-301, *Vehicle Operations*.

4.4.3.5.2.2. Qualification to operate government vehicles for “Maintenance Purposes Only” according to AFI 24-301, *Vehicle Operations*.

## 4.5. VEHICLE MANAGEMENT

AFSC 2T390, Superintendent

AFSC 2T300, Chief Enlisted Manager

Ref: AFECD

4.5.1. **Specialty Summary.** Manages the vehicle fleet. Activities include the management of vehicle authorization listings, vehicle buy and vehicle control programs and associated maintenance requirements such as inspection, diagnostics, repair, modification, refinishing and data collection for the vehicle and equipment fleet. Programs include maintenance and fleet management analysis, quality assurance, training and material control. Related DoD Occupational Subgroup: 170400.

4.5.2. **Duties and Responsibilities:**

4.5.2.1. Plans, organizes and directs vehicle management activities. Ensures adequate manpower authorizations, personnel, tools, equipment, spare parts, and work space are available. Establishes production goals, quality controls, operating instructions, annual budgets and self-inspection programs. Maintains liaison with users and supply organizations regarding spare parts requirements. Promotes customer satisfaction. Initiates action for interservice and intraservice vehicle maintenance support requests from other Department of Defense agencies. Oversees fleet management and analysis, as well as maintenance activities responsible for vehicle repair, analysis, training, parts procurement and contingency planning to ensure effective use of maintenance resources. Coordinates on and assists using organizations with processing procedures for vehicle authorization changes. Reviews and coordinates on vehicle abuse, accident and incident cases. Provides input to and reviews the AEF Reporting Tool.

4.5.2.2. Ensures accountability for vehicle fleet, tools, equipment, space, supplies and facilities. Monitors and validates vehicle authorizations, new vehicle request, annual vehicle buy program, limited technical inspections, vehicle depot-level repair requirements, vehicle add-on equipment request, reimbursement and refundable actions, vehicle utilization, vehicle minimum essential levels, vehicle priority recall list, vehicle and part warranties, manpower changes, requirements, and facility upgrades. Monitors parts procurement programs to ensure compliance with all applicable guidance. Monitors related contracts and identifies problems to the contract

administrator. Supervises programs affecting depot level repairs, shipment of vehicles, maintenance priorities, record keeping, material deficiency reporting, preventative maintenance and inspections, special inspections, fleet management, registered equipment management and analysis to ensure regulatory compliance. Oversees the collection, control and disposition of hazardous and toxic waste material accumulations, vehicle lease program and vehicle control program. Ensures compliance with developed safety practices, policies and standards. Reviews and approves vehicle lesson plans for compliance with technical data and safety standards. Reviews vehicle/equipment modification request for safety and compliance with technical data, forwards request to approval authority if valid.

4.5.2.3. Periodically inspects maintenance, repair sections, fleet management, analysis and material control. Determines operational status and solves complex maintenance, fleet management, supply and personnel problems. Analyzes maintenance reports, past and current performance, and inspection reports to ensure cost effective operations, timely preventive maintenance, repairs and rebuilding of vehicular equipment. Identifies unfavorable trends as they occur. Initiates corrective actions and revises procedures to improve effectiveness and eliminate deficiencies. Monitors and coordinates on military construction projects affecting vehicle management areas.

#### 4.5.3. **Specialty Qualifications:**

4.5.3.1. **Knowledge.** Knowledge is mandatory of: maintenance and fleet management policies and procedures; maintenance analysis activities; contract administration and evaluation; supply and inventory management; publications; technical order and material deficiency reporting systems; On-Line Vehicle Interactive Management System and Logistics Installation and Mission Support Enterprise View – Vehicle View; base supply procedures and allowances standards; training requirements and programs; Air Force manpower standards and their application; facility requirements; and Air Force Occupational Safety and Health standards.

4.5.3.2. **Education.** Not used.

4.5.3.3. **Training.** Not used.

4.5.3.4. **Experience.** Qualification in and possession of AFSC 2T370/77. Also, experience is mandatory managing functions such as vehicle maintenance and fleet management activities.

4.5.3.5. **Other:** The following are mandatory for award and retention in this specialty.

4.5.3.5.1. Qualification to operate government motor vehicles according to AFI 24-301, *Vehicle Operations*.

4.5.3.5.2. Qualification to operate government motor vehicles and vehicular equipment for “Maintenance Purposes Only” according to AFI 24-301, *Vehicle Operations*.

4.5.3.5.3. For award and retention of AFSCs 2T390, must maintain an Air Force Network License according to AFI 33-115, Vol 2, *Licensing Network Users and Certifying Network Professionals*.

**5. Skill/Career Progression.** Adequate training and timely progression from the apprentice to the superintendent skill level play an important role in the Air Force's ability to accomplish its mission. It is essential that everyone involved in training must do their part to plan, manage and conduct an effective training program. The guidance provided in this part of the CFETP will ensure each individual receives viable training at appropriate points in their career. The following narrative and AFSCs 2T3XX Career Development Flow Charts identify career skill progression.

5.1. **Apprentice (3-skill level):** Upon completion of initial skills training, trainees work with a trainer to enhance their knowledge and skills. Individuals will use a combination of Career Development Courses (CDCs), OJT and advanced courses to progress in the career field. Education toward a CCAF degree should continue. The goal for 5-skill level upgrade training is 24 months but must have a minimum of 12 months of OJT for all 2T3XX AFSCs.

5.2. **Journeyman (5-skill level):** Once upgraded to the 5-level, journeymen will enter into continuation training to broaden their experience base. Typical job positions for 5-levels include positions requiring supervisory skills such as OJT trainer, quality assurance inspector and materiel control or section supervisor. 5-levels will complete required available advanced courses, and MAJCOM specific training. Individuals will attend the Airman Leadership School (ALS) after completing 48 months in the Air Force, or upon selection for promotion to Staff Sergeant. Individuals will use their CDCs and appropriate reference materials to prepare for testing under the Weighted Airman's Promotions System (WAPS). Education toward a CCAF degree should continue. **Note:** AFI 23-302 mandates that mechanic technicians in upgrade training to the 7-skill level rotate through each section of vehicle management in order to gain a working knowledge. The goal for 7-skill level upgrade training is 18 months but must have a minimum of 12 months of OJT for all 2T3XX AFSCs.

5.3. **Craftsman (7-skill level):** Craftsmen can expect to fill various supervisory and management positions and may be assigned to higher headquarters staff positions and 2T3XX formal schools. Completion of the Vehicle Management Craftsman course is mandatory before award of the 7-skill level. Personnel are encouraged to take additional courses to obtain added knowledge on management of resources and personnel. Continue academic education through CCAF and higher degree programs. In addition, when promoted to Technical Sergeant, individuals will attend the Noncommissioned Officer Academy.

5.4. **Superintendent (9-skill level):** A 9-level is expected to fill leadership, supervisory and management positions such as vehicle fleet manager or vehicle management superintendent, and may be assigned to headquarters staff positions. Additional training in the areas of budget, manpower, resource and personnel management is necessary, and can be provided through continuing education. The 9-skill level is awarded upon sew-on of Senior Master Sergeant. Additional higher education and completion of courses outside the career AFSC are also recommended.

**6. Training Decisions.** The CFETP uses a building block approach (simple to complex) to encompass the entire spectrum of training requirements for the vehicle management career field. The spectrum includes a strategy for when, where and how to meet the training requirements. Strategy must be apparent and affordable to reduce duplication of training and eliminate a disjointed approach to training. The CFETP was revised at the Specialty Training Requirements Team (STRT) held in September 2009 at Lackland Air Force Base, San Antonio, Texas.

6.1. **Initial Skills Training.** The initial skills courses were revised to provide the training needed to better prepare graduates for the tasks they will be facing in the field.

6.2. **Upgrade Training.** Personnel progressing towards AFSCs 2T351, 2T352A and 2T352C are required to complete CDCs 2T351A and 2T351B prior to taking their AFSC specific volume(s). Completion of CDC 2T370 is required for award of AFSC 2T370. Completion of CDC 2T357 is required for personnel progressing to AFSC 2T357.

**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 associate's 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 possess an associate’s degree or higher may be nominated by their school commander/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. **Applicability.** The **Vehicle Management** program applies to occupational specialties: 2T3X1, 2T3X2A/C and 2T370.

7.3.1. **Degree Requirements.** All Airmen are automatically entered into the CCAF program. Prior to completing an associate’s 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

7.3.2. **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. Requests to substitute subjects/courses must be approved in advance by the Services Branch. Refer to the CCAF General Catalog for Application of Courses to the Technical Education area.

7.3.3. **Technical Core:**

<u>Subjects/Courses</u>	<u>Semester Hours</u>
Automotive Engine Computer Control Systems	3
ASE Examination	16
CCAF Internship	16
Gas/Diesel Engine Principles	4
Introduction to Business	3
Maintenance Scheduling	3
Power Train Fundamentals	3
Radiator/Fuel Tank Repair	3
Specialized Support Vehicles	15
Suspension/Brake Systems	3
Vehicle Body Repair/Painting	6

Vehicle Electrical/Starting/Charging Systems	3
Vehicle Fuel/Emissions Systems	3
Vehicle Glass, Upholstery, Trim/Hardware	6
Vehicle Heating/Air Conditioning	3
Vehicle Integrated Management System	7
Welding	8

**7.3.4. Technical Electives:**

<u>Subjects/Courses</u>	<u>Semester Hours</u>
Alternative Fuel/Electric Powered Vehicle Systems	3
Computer Science	6
Engine Lubricating/Cooling Systems	3
Engine Overhaul	3
Enlisted Professional Military Education	6
Environmental Compliance	3
Industrial Management	3
Industrial Safety	3
Quality Assurance	3
Technical Mathematics	3
Technical Writing	3

**7.3.5. Leadership, Management and Military Studies** (6 Semester Hours): Professional military education and/or civilian management courses.

**7.3.6. Physical Education** (4 Semester Hours): This requirement is satisfied by completion of Basic Military Training.

**7.3.7. 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.

**7.3.8. Program Elective** (15 Semester Hours): Satisfied with 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 CCAF degree applicable technical credit otherwise not applicable to this program may be applied. See the CCAF General Catalog for details regarding the Associates of Applied Science for this specialty.

<u>Subjects/Courses</u>	<u>Semester Hours</u>
Oral Communication	3
Speech	
Written Communication	3
English Composition	
Mathematics	3
Intermediate algebra or college-level mathematics course is required. If an acceptable mathematics course is applied as a Technical or Program Elective, a natural science course meeting GER application criteria may be applied as a GER.	
Social Science	3
Anthropology, Archaeology, Economics, Geography, Government, History, Political Science, Psychology, Sociology	
Humanities	3
Fine Arts (History, Criticism, and Appreciation), Foreign Language, Literature, Philosophy, Religion	

7.3.9. Additional off-duty education is encouraged for all. Certification through organizations such as the Automotive Service Excellence (ASE) or the American Society of Welders (ASW) is also encouraged. Individuals desiring to become an AETC instructor should be actively pursuing an associate's degree. A degreed faculty is necessary to maintain accreditation through the Southern Association of Colleges and Schools.

7.4. **Applicability.** The **Maintenance Production Management** program applies to occupational specialties: 2T3X7.

7.4.1. **Degree Requirements.** All Airmen are automatically entered into the CCAF program. Prior to completing an associate's 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

7.4.2. **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. Requests to substitute subjects/courses must be

approved in advance by the Services Branch. Refer to the CCAF General Catalog for Application of Courses to the Technical Education area.

7.4.3. **Technical Core:**

<u>Subjects/Courses</u>	<u>Semester Hours</u>
CCAF Internship	16
Human and Resource Management	3
Management Information Systems	12
Production Management	6
Scheduling and Production Control	15
Statistics	3
Systems Management	6
Vehicle Interactive Management Systems	9

7.4.4. **Technical Electives:**

<u>Subjects/Courses</u>	<u>Semester Hours</u>
Computer Science	6
Enlisted Professional Military Education	6
Environmental Compliance	3
Industrial Safety	3
Principles of Accounting	3
Quality Assurance	3
Technical Writing	3

7.4.5. **Leadership, Management and Military Studies** (6 Semester Hours): Professional military education and/or civilian management courses.

7.4.6. **Physical Education** (4 Semester Hours): This requirement is satisfied by completion of Basic Military Training.

7.4.7. **General Education** (15 Semester Hours): Applicable courses must meet the criteria for application of courses to the GER and be in agreement with the definitions of applicable General Education subjects/courses as provided in the CCAF General Catalog.

7.4.8. **Program Elective** (15 Semester Hours): Satisfied with 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 CCAF degree applicable technical credit otherwise not applicable to this program may be applied. See the CCAF General Catalog for details regarding the Associates of Applied Science for this specialty.

Subjects/Courses

Semester  
Hours

Oral Communication	3
Speech	
Written Communication	3
English Composition	
Mathematics	3
Intermediate algebra or college-level mathematics course is required. If an acceptable mathematics course is applied as a Technical or Program Elective, a natural science course meeting GER application criteria may be applied as a GER.	
Social Science	3
Anthropology, Archaeology, Economics, Geography, Government, History, Political Science, Psychology, Sociology	
Humanities	3
Fine Arts (History, Criticism, and Appreciation), Foreign Language, Literature, Philosophy, Religion	

7.4.9. Additional off-duty education is encouraged for all. Certification through organizations such as the ASE is also encouraged. Individuals desiring to become an AETC instructor should be actively pursuing an associate’s degree. A degreed faculty is necessary to maintain accreditation through the Southern Association of Colleges and Schools.

**8. Vehicle Management Career Path.**

<b>Table 8.1 Enlisted Career Path</b>				
<b>Education and Training Requirements</b>	<b>GRADE REQUIREMENTS</b>			
	Rank	Average Sew-On	Earliest Sew-On	High Year Of Tenure (HYT)
<b>Basic Military Training School</b>				
<b>Apprentice Technical School</b> (3-Skill Level)	Amn	6 months		
<b>Upgrade To Journeyman</b> (5-Skill Level) - Minimum 12 months OJT (9 months for retrainees), career field goal 24 months max - Complete appropriate CDC if/when available - Core tasks	A1C  SrA	16 months  3 years	  28 months	  10 Years
<b>Airman Leadership School (ALS)</b> - 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)	<b>Trainer</b> - Recommended by the supervisor - Qualified to perform the task being trained - Attend the Air Force Training Course <b>Certifier</b> -Minimum rank of SSgt with a 5-skill level or civilian equivalent, capable of evaluating the task being certified and have completed the AFTC. ( <i>Note:</i> Refer to 2T3XX CFETP Part II, paragraph 1.4.1.)			

<b>Upgrade To Craftsman</b> (7-Skill Level) - Minimum rank of SSgt - Minimum 12 months OJT (6 months for retrainees), career field goal 18 months max - Complete appropriate CDC if/when available, core tasks, and complete the Vehicle Management Craftsman Course 7-level Advanced Distributed Learning course	SSgt	7.5 years	3 years	20 Years
<b>Noncommissioned Officer Academy</b> (NCOA) - Must be a TSgt, MSgt Selectee, or MSgt - Resident graduation is a prerequisite for MSgt sew-on (Active Duty Only)	TSgt	12.5 years	5 years	22 Years
	MSgt	16 years	8 years	24 Years
<b>Upgrade To Superintendent</b> (9-Skill Level) - Minimum rank of SMSgt <b>USAF Senior NCO Academy (SNCOA)</b> - Must be a MSgt, SMSgt, or SMSgt Selectee - Resident graduation is a prerequisite for SMSgt sew-on (Active Duty Only)	SMSgt	19.2 years	11 years	26 Years
<b>Chief Leadership Course</b> - Must be a CMSgt or CMSgt Selectee	CMSgt	21.5 years	14 years	30 Years

### ***Section C, Skill Level Training Requirements***

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

### **10. Specialty Qualification:**

#### **10.1. Apprentice (3-Level).**

##### **10.1.1. Qualifications and Knowledge.**

10.1.1.1. **AFSCs 2T331, 2T332A and 2T332C.** An individual must understand basic system theory of operation and perform certain organizational level maintenance tasks under close supervision to perform duties at the 3-skill level. Additionally a 3-level must be able to use technical data, common hand tools and special test equipment.

10.1.1.2. **AFSC 2T337.** An individual must understand basic functions of the control board, have the ability to obtain requested reports and be able to control workflow with minimum supervision.

10.1.2. **Training Sources.** The initial skills courses will provide the required knowledge and qualifications.

10.1.3. **Implementation.** Upon graduation from Basic Military Training, Airmen are assigned to the training center for completion of technical training courses.

## 10.2. Journeyman (5-Level).

### 10.2.1. Qualification and Knowledge.

10.2.1.1. **AFSCs 2T351, 2T352A and 2T352C.** In addition to the 3-level qualifications, an individual must possess the knowledge and skills necessary to maintain equipment and conduct training classes.

10.2.1.2. **AFSC 2T357.** In addition to the 3-level qualifications, an individual must possess the knowledge and skills to perform basic analysis and be able to interpret and present data.

10.2.2. **Training Sources.** The 5-level CDC provides required career knowledge training. Qualification training and OJT provides training and qualification on the core tasks identified in the STS. The CDC is written to build from the trainee's current knowledge base and provides more in-depth knowledge to support OJT requirements.

10.2.3. **Implementation.** Training to the 5-level is performed at unit-level using STS exportable courses and CDCs. Upgrade to the 5-level requires completion of applicable CDCs, completion of all core tasks and minimum 12 months in upgrade training.

## 10.3. Craftsman (7-Level).

### 10.3.1. Qualification and Knowledge.

10.3.1.1. **AFSC 2T370** (AFSCs: 2T351, 2T352A and 2T352C merge at the 7-skill level). In addition to the 5-level qualifications, individuals must possess advanced skills and knowledge of theory, concepts, principles and application of vehicle systems. To be awarded a 7-skill level, individuals must be able to supervise and train personnel to maintain systems and to see that they are able to plan, schedule and organize maintenance to ensure effective use of available resources.

10.3.1.2. **AFSC 2T377.** In addition to the 5-level qualifications, individuals must possess advanced skills and knowledge of analysis, data interpretation/presentation and management of the vehicle fleet. To be awarded a 7-skill level, individuals must be able to supervise and train personnel in all aspects of vehicle management and analysis.

10.3.2. **Training Sources.** Training for 7-skill level upgrade will be conducted by qualified trainers using the STS, unit/MAJCOM specific courses, 7-level CDCs if/when available and the Vehicle Management Craftsman course. Develop and provide exportable courses to field units to help standardize OJT and enhance training.

10.3.3. **Implementation.** Upgrade to the 7-level will require completion of the applicable 7-level CDC, completion of all core tasks and completion of the Vehicle Management Craftsman course.

## 10.4. Superintendent (9-Level), AFSCs 2T370 and 2T377 merge at the 9-skill level.

10.4.1. **Qualification and Knowledge.** In addition to 7-level qualifications, individuals must possess advanced skills and knowledge of concepts and principles in management. Personnel at the 9-skill level are considered to be effective leaders who are able to forecast, budget and manage funding and other assigned resources.

10.4.2. **Training Sources.** None.

10.4.3. **Implementation.** Award the 9-level upon SMSgt sew-on.

## ***Section D, Resource Constraints***

**11. Purpose.** This section identifies known resource constraints which preclude optimal/desired training from being developed or conducted, including information such as 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, OPR and target completion dates. Resource constraints will be, as a minimum, reviewed and updated annually.

### **12. 3-Level Training:**

12.1. **Constraints.** None.

**Note:** CFETP 3-skill level training requirements can be accommodated at this time. However, all 3-skill level courses at Port Hueneme are operating at 100% student capacity. If additional training is needed, such as wartime surge training, the schoolhouse will require additional resources.

12.2. **Resources Required.** N/A

12.3. **Action Required.** N/A

12.4. **OPR and Target Completion Date.** N/A

### **13. 5-Level Training:**

13.1. **Constraints.** AFSC 2T352A fire fighting vehicle dispensing system training is hindered by environmental guidance limiting use of Aqueous Film Forming Foam (AFFF).

13.2. **Resources Required.** N/A

13.3. **Action Required.** N/A

13.4. **OPR and Target Completion Date.** 344 TRS/TRRP, target date cannot be established due to environmental laws.

### **14. 7-Level Training:**

14.1. **Constraints.** AFSC 2T370 fire fighting vehicle dispensing system training is hindered by environmental guidance limiting use of AFFF.

14.2. **Resources Required.** N/A

14.3. **Action Required.** N/A

14.4. **OPR and Target Completion Date.** 344 TRS/TRRP, target date cannot be established due to environmental laws.

## ***Section E, Transition Training Guide***

**15.** AFSCs 2T351, 2T352A and 2T352C merge at the 7-skill level (AFSC 2T370). Prior to award of AFSC 2T370, all personnel will complete CDCs 2T370 and enter into a work center rotation plan to gain experience in the merging AFSCs. AFSCs 2T370 and 2T377 merge at the 9-skill level (2T390). No additional upgrade training is required.

**BY ORDER OF THE SECRETARY OF THE AIR FORCE**

**OFFICIAL**

**LOREN M. RENO, Lieutenant General, USAF  
Deputy Chief of Staff,  
Logistics, Installations and Mission Support**

## Part II

*Section A, Specialty Training Standards***1. VEHICLE AND VEHICULAR EQUIPMENT MAINTENANCE APPRENTICE AND JOURNEYMAN; SPECIAL VEHICLE MAINTENANCE APPRENTICE AND JOURNEYMAN; AND VEHICLE MAINTENANCE CRAFTSMAN.**

**1.1. Implementation.** This STS for technical training provided by AETC applies to all classes entering after 4 October 2010 for AFSCs 2T331, 2T332A and 2T332C; CDC customer need date June 2012.

**1.2. Purpose.** As prescribed in AFI 36-2201 this STS:

1.2.1. Lists the mandatory and general tasks, knowledge and Technical References (TRs) necessary for Airmen to perform duties at the 3-, 5- and 7-skill level AFSCs 2T3X1/2T3X2A/2T3X2C/2T370 ladders of the Airman Vehicle Maintenance Career Field.

1.2.2. Becomes an AFJQS for OJT when placed in an OJT Record, and used according AFI 36-2201.

1.2.3. Provides OJT certification columns in Part 2, Section A to record completion of task and knowledge training requirements.

1.2.4. Shows formal training requirements. The 3- and 7-level course columns show the proficiency to be demonstrated on the job by the graduate as a result of training in skill-level ascension courses.

1.2.5. It is a guide for development of promotion tests used in the WAPS. SKTs 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 AFI 36-2502, *Airman Promotion/Demotion Programs*. WAPS is only applicable to active duty personnel.

**1.3. Qualitative Requirements.** Part 2, Section A contains the proficiency code key used to indicate the level of training and knowledge provided by resident training and career development courses.

**1.4. Documentation.** Supervisors, trainers and trainees must ensure all training documentation is contained within an Airman's Individual Training Plan (ITP) in TBA IAW AFI 36-2201 and the current *TBA Application User's Guide*.

1.4.1. The 2T3XX AFCFM has not identified any core tasks requiring third-party certification. However, MAJCOMs may establish policy concerning third-party certification. **Note: Required upgrade training "core task(s)" identified by local unit, as "not available for training" must be annotated in TBA. The 5- or 7-level skill can then be awarded when all other training and core tasks are complete.**

1.4.2. **Converting External Task into TBA** (Transcription Procedures). This action allows supervisors to convert tasks from an external source (AF Form 623) into TBA. When this action is initiated, the tasks that are converted into TBA go into the Airman's archived task lists. At that point, the supervisor with authority over the Airman's record can then select which tasks should be unarchived and moved to an active status IAW the *TBA Application User's Guide*.

1.4.3. **Documenting Career Knowledge.** When a CDC is not available: The supervisor identifies CDC training references that the trainee requires for career knowledge and ensures, as a minimum, that the trainee covers the mandatory items in the AFECD. For two-time CDC course exams failures: Supervisors identify all STS items corresponding to the areas covered by the CDC. The trainee completes a study of CDC references, undergoes evaluation by the supervisor and receives ITP task completion in TBA. **Note:** Career knowledge must be documented prior to pursuing a CDC waiver.

1.4.4. **Decertification and Recertification of ITP Task.** When an Airman is found to be unqualified

## STS 2T3X1, 2T3X2A/C, 2T370

on an ITP task previously completed for their duty position in TBA, the supervisor will take action to decertify the task and complete Journal Entry IAW the *TBA Application User's Guide*, Decertify IPT Task instructions.

**1.5. Training Standard.** Tasks are trained and qualified to the go/no go level. Go means the individual can perform the task without assistance and meet local demands for accuracy, timeliness and correct use of procedures IAW AFI 36-2201.

**1.6 Recommendations.** Report unsatisfactory performance of individual course graduates to 344 TRS/TRRP, 1015 Femoyer Street, Lackland AFB TX 78236-5404. Report inadequacies of this STS through command channels to HQ USAF/A4LE, referencing specific STS paragraphs. A customer service information line has been installed for supervisors' convenience to identify graduates who may have been over or under trained on task/knowledge items listed in this training standard. For a quick response to problems, call the customer service information line, DSN 473-2917, from 0730-1630 CST/CDST.

### **Notes:**

1. Users are responsible for updating training references pending revision of this STS.
2. All tasks trained by AETC in 3-level courses are considered Wartime Tasks.
3. Items in Core/Wartime Tasks column marked with a symbol/character (5, 7, A, C and V) are mandatory "core" tasks that must be completed before the next skill level can be awarded. Required upgrade training "core task(s)" identified by local unit, as "not available for training" must be annotated in TBA. Comments regarding training availability may also be annotated in TBA. The 5- or 7-skill level can then be awarded when all other training and core tasks are complete.

**5 = Required core task for training to AFSCs 2T351, 2T352A and 2T352C**

**V = Required core task for training to the 2T351 AFSC**

**A = Required core task for training to the 2T352A AFSC**

**C = Required core task for training to the 2T352C AFSC**

**7 = Required core task for training to the 2T370 AFSC (From 2T351, 2T352A and 2T352C)**

**STS 2T3X1, 2T3X2A/C, 2T370**

**QUALITATIVE REQUIREMENTS**

Proficiency Code Key		
	Scale Value	Definitions: The Individual
Task Performance Levels	1	Can do simple parts of task. Needs to be told or shown how to do most of the task. (Extremely Limited)
	2	Can do most parts of the task. Needs only help on the hardest parts. (Partially Proficient)
	3	Can do all parts of the task. Needs only a spot check of completed work. (Competent)
	4	Can do the complete task quickly and accurately. Can tell or show other how to do the task. (Highly Proficient)
*Task Knowledge Levels	a	Can name parts, tools and simple facts about the task. (Nomenclature)
	b	Can determine step by step procedures for doing the task. (Procedures)
	c	Can identify why and when the task must be done and why each step is needed. (operating Principles)
	d	Can predict, isolate and resolve problems about the task. (Advanced Theory)
**Subject Knowledge Levels	A	Can identify basic facts and terms about the subject. (Facts)
	B	Can identify relationship of basic facts and state general principles about the subject. (Principles)
	C	Can analyze facts and principles and draw conclusions about the subject. (Analysis)
	D	Can evaluate conditions and make proper decisions about the subject. (Evaluation)

**Explanations:**

"\*" A task knowledge scale value may be used alone or with a 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 task.

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

"X" This mark is used alone in course columns to show that training required but not given due to limitations in resources.

**Note for Core/Wartime Task (Column 2):**

Items in Core/Wartime Tasks column marked with a symbol/character (5, 7, A, C and V) are mandatory "core" tasks that must be completed before the next skill level can be awarded. Required up-grade training "core task(s)" identified by local unit, as "not available for training" must be annotated in TBA. Comments regarding training availability may also be annotated in TBA. The 5- or 7-skill level can then be awarded when all other training and core tasks are complete.

**STS 2T3X1, 2T3X2A/C, 2T370**

1. Tasks, Knowledge And Technical References	2. Core/ War-time Tasks (See Note)	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided			
		A	B	C	D	E	A 3-Skill Level	B 5-Skill Level	C 7-Skill Level	
		Tng Start	Tng Compl	Trainee Initials	Trainer Initials	Cert Initials	Course	CDC	(1) Course	(2) CDC
<b>1. VEHICLE MANAGEMENT CAREER PATH TR: AFI 36-2101, AFCD</b>							-	-	-	-
<b>2. AF OCCUPATIONAL SAFETY AND HEALTH (AFOSH) PROGRAM TR: AFIs 32-2001, 32-7042, 32-7080, 90-803, 91-202, 91-302; Applicable AFOSH STDS; TOs 34-1-3, 36-1-191</b>										
<b>2.1. Personnel And Shop Safety</b>										
2.1.1 Perform Personnel and Shop Safety							2b	-	-	-
2.2. AFOSH Standards For AFSC 2T3XX							-	B	-	B
2.3. Initial Federal Hazard Communication Training Program							A	-	-	-
<b>2.4. Environmental Compliance</b>										
2.4.1. Hazardous Waste Management	5						A	B	-	B
2.4.2. Pollution Prevention	5						A	B	-	B
2.4.3. Waste Minimization	5						A	B	-	B
2.4.4. Hazardous Material Management	5						A	B	-	B
<b>3. SUPERVISION AND TRAINING TR: AFIs 23-302, 36-2101, 36-2201, 36-2301, 36-2406; AFMAN 36-2236</b>										
<b>3.1. Supervision</b>										
3.1.1. Coordinate Work With Other Work Centers	7						-	-	-	b
3.1.2. Assign Maintenance Work IAW Priorities	7						-	-	-	b
<b>3.1.3. Supervise Personnel Performing:</b>										
3.1.3.1. Maintenance	7						-	-	-	-
3.1.3.2. Inspection	7						-	-	-	-
<b>3.1.4. Justify</b>										
3.1.4.1. Personnel							-	A	-	B
3.1.4.2. Equipment							-	A	-	B

**STS 2T3X1, 2T3X2A/C, 2T370**

1. Tasks, Knowledge And Technical References	2. Core/ War-time Tasks (See Note)	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided			
		A	B	C	D	E	A 3-Skill Level	B 5-Skill Level	C 7-Skill Level	
		Tng Start	Tng Compl	Trainee Initials	Trainer Initials	Cert Initials	Course	CDC	(1) Course	(2) CDC
<b>3.1.5. Recommend Policy Changes On Utilization Of: TR: AF Manpower Standards 42B1, ASC457, ASC012, ASC403</b>										
3.1.5.1. Personnel						-	-	-	B	
3.1.5.2. Equipment						-	-	-	B	
<b>3.2. Training</b>										
3.2.1. Evaluate Personnel Training Needs	7					-	-	2b	-	
<b>3.2.2. Plan And Supervise OJT</b>										
3.2.2.1. Prepare Job Qualification Standard						-	-	-	-	
3.2.2.2. Motivate Trainers And Trainees						-	-	-	-	
3.2.2.3. Counsel Trainers And Trainees On Training Program						-	-	-	-	
<b>3.2.2.4. Monitor Effectiveness Of:</b>										
3.2.2.4.1. Career Knowledge Upgrade Training						-	-	-	-	
3.2.2.4.2. Job Proficiency Upgrade Training						-	-	-	-	
3.2.2.4.3. Qualification Training						-	-	-	-	
3.2.3. Maintain Training Records	7					-	-	-	-	
3.2.4. Evaluate Effectiveness Of Training Programs						-	-	-	-	
3.2.5. Recommend Personnel For Training TR: ETCA						-	-	-	-	
<b>4. VEHICLE MAINTENANCE PUBLICATIONS TR: AFI 33-322, AFI 33-360; TOs 00-5-1, 00-5-15, 00-5-18</b>										
4.1. Standard Publications	5					-	B	-	-	
<b>4.2. Technical Orders And Publications</b>										
4.2.1. Locate Specific Information	5					1a	b	-	-	
4.2.2. Maintain Files									-	
<b>5. VEHICLE MAINTENANCE (MATERIEL CONTROL)</b>										

**STS 2T3X1, 2T3X2A/C, 2T370**

1. Tasks, Knowledge And Technical References	2. Core/ War-time Tasks (See Note)	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided			
		A	B	C	D	E	A 3-Skill Level	B 5-Skill Level	C 7-Skill Level	
		Tng Start	Tng Compl	Trainee Initials	Trainer Initials	Cert Initials	Course	CDC	(1) Course	(2) CDC
5.1. Property Responsibility And Accountability TR: AFI 23-302, AFMAN 23-110, 23-220	5						-	A	-	B
5.2. Cross Reference Part Numbers And Stock Numbers TR: AFI 23-302; Supply FEDLOG Program	5						-	b	-	-
<b>6. VEHICLE MANAGEMENT</b> TR: AFIs 24-301, 23-302, 24-303; TOs 36-1-191										
6.1. Functions Of Logistics Readiness Squadrons							-	A	-	-
6.2. Responsibilities Of Vehicle Management Staff							-	A	-	-
6.3. Functions Of Vehicle Management Activities							-	A	-	-
6.4. Develop Budget Inputs With Justification	7						-	-	2b	-
6.5. Contingency Operations And Wartime Requirements	7						-	-	B	B
<b>6.6. Interpret Vehicle Management Products</b>										
6.6.1. Vehicle Authorization Lists (VAL)							-	-	2b	-
6.6.2. Base Master Vehicle Authorized/Assigned Report							-	-	2b	-
6.6.3. Vehicle Custodian Authorization/Custody Receipt Listing (CA/CRL)							-	-	2b	-
<b>6.7. Analyze Vehicle Management Products</b>										
6.7.1. Vehicle Utilization Report							-	-	2b	-
6.7.2. Vehicle Rotation Report							-	-	2b	-
6.7.3. Refundable/ Reimbursement List							-	-	2b	-
6.8. Fundamentals of DoD Fleet Fuel Card Program							-	-	B	-
<b>6.9. WRM Vehicle Program</b> TR: AFI 25-101, TO 36-1-191										
6.9.1. Fundamentals							-	B	B	-
6.9.2. Implement							-	-	-	-

**STS 2T3X1, 2T3X2A/C, 2T370**

1. Tasks, Knowledge And Technical References	2. Core/ War-time Tasks (See Note)	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided			
		A	B	C	D	E	A 3-Skill Level	B 5-Skill Level	C 7-Skill Level	
		Tng Start	Tng Compl	Trainee Initials	Trainer Initials	Cert Initials	Course	CDC	(1) Course	(2) CDC
<b>7. MAINTENANCE DATA COLLECTION</b> TR: AFI 23-302, AFCSM 24-1										
7.1. Interpret Maintenance Data Collection Reports	7						-	b	2b	-
7.2. Fill Out Maintenance Data Collection Forms	5						-	b	-	-
<b>8. SPECIAL MAINTENANCE POLICIES AND PROCEDURES</b> TR: AFI 23-302; TOs 36-1-191, 36A-1-6										
<b>8.1. Winterize Vehicles</b> TR: TO 36-1-191										
8.1.1. Type A							-	b	-	-
8.1.2. Type B							-	b	-	-
8.1.3. Type C							-	b	-	-
8.2. Corrosion Control Procedures TR: TOs 36-1-191, 36-1-131							-	B	-	-
8.3. Prepare Vehicles For Storage TR: TO 36-1-191	5						-	b	-	-
8.4. Prepare Vehicles For Shipment TR: TO 36-1-191	5						-	b	-	-
8.5. Prepare Deficiency Reports TR: TOs 00-35D-54, 36-1-191	7						-	b	2b	-
8.6. Warranty Policies TR: TO 36-1-191							-	B	-	-
<b>8.7. TCTOs/Service Bulletins</b> TR: AFIs 23-302; TOs 0-1-01, 00-5-15										
8.7.1. Fundamentals							-	B	-	-
8.7.2. Monitor							-	b	2b	-
8.8. Depot Maintenance Plan							-	-	-	B
<b>9. TOOLS AND TEST EQUIPMENT</b> TR: TOs 32, 33, 34, 36 Series										
9.1. Identify							A	-	-	-
9.2. Inspect							A	-	-	-
9.3. Use							2b	-	-	-
<b>10. PERFORM MAINTENANCE INSPECTIONS</b> TR: TOs 36-1-191; 33, 35, 36, 38 Series										
10.1. Operator	5						-	b	-	-
10.2. Scheduled	5						-	b	-	-
10.3. Annual	5						-	b	-	-
10.4. Special	5						-	b	-	-
10.5. Technical (LTI)	5						-	b	-	-
10.6. Quality Assurance	7						-	-	-	b

**STS 2T3X1, 2T3X2A/C, 2T370**

1. Tasks, Knowledge And Technical References	2. Core/War-time Tasks (See Note)	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided			
		A	B	C	D	E	A 3-Skill Level	B 5-Skill Level	C 7-Skill Level	
		Tng Start	Tng Compl	Trainee Initials	Trainer Initials	Cert Initials	Course	CDC	(1) Course	(2) CDC
<b>11. GASOLINE ENGINES</b> <b>TR: TOs 33, 35, 36, 38 Series</b>										
11.1. Fundamentals						B	B	-	-	
11.2. Disassemble						2b	b	-	-	
11.3. Assemble						2b	b	-	-	
<b>11.4. Remove And Install</b>										
11.4.1. Engines						-	b	-	-	
11.4.2. Expansion Plugs						-	-	-	-	
11.4.3. Motor Mounts						-	-	-	-	
11.4.4. Oil Coolers						-	b	-	-	
11.5. Inspect Engine Parts	5					2b	b	-	-	
11.6. Test Cylinder Compression	5					2b	b	-	-	
<b>11.7. Fundamentals Of Engine Systems</b>										
11.7.1. Cooling						B	B	-	-	
11.7.2. Lubrication						B	B	-	-	
11.7.3. Valve Train						B	B	-	-	
11.7.4. Fuel/Air						B	B	-	-	
11.7.5. Emission Control						B	B	-	-	
11.7.6. Computer Control Systems						B	B	-	-	
<b>11.8. Isolate Malfunctions</b>										
11.8.1. Cooling Malfunctions	5					2b	b	-	-	
11.8.2. Lubrication System	5					-	b	-	-	
11.8.3. Valve Train	5					2b	b	-	-	
11.8.4. Fuel/Air System	5					2b	b	-	-	
11.8.5. Emission Control System	5					2b	b	-	-	
11.8.6. Computer Control Systems						2b	-	-	-	
<b>11.9. Adjust</b>										
11.9.1. Valve Clearance						-	-	-	-	
11.9.2. Ignition Timing						2b	b	-	-	
<b>12. DIESEL ENGINES</b> <b>TR: TOs 33, 35, 36, 38 Series</b>										
12.1. Fundamentals						B	B	-	-	
12.2. Disassemble						-	b	-	-	
12.3. Assemble						-	b	-	-	
<b>12.4. Fundamentals Of Engine Systems</b>										
12.4.1. Cooling						B	B	-	-	
12.4.2. Lubrication						B	B	-	-	
12.4.3. Valve Train						B	B	-	-	
12.4.4. Fuel/Air						B	B	-	-	
12.4.5. Emission Control						B	B	-	-	
12.4.6. Computer Control Systems						B	B	-	-	
12.5. Remove And Install Fuel System Components						2b	b	-	-	
12.6. Inspect Fuel System	5					2b	b	-	-	
12.7. Bleed Or Prime Fuel System	5					2b	b	-	-	

**STS 2T3X1, 2T3X2A/C, 2T370**

1. Tasks, Knowledge And Technical References	2. Core/ War-time Tasks (See Note)	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided			
		A	B	C	D	E	A 3-Skill Level	B 5-Skill Level	C 7-Skill Level	
		Tng Start	Tng Compl	Trainee Initials	Trainer Initials	Cert Initials	Course	CDC	(1) Course	(2) CDC
<b>12.8. Isolate Malfunctions</b>										
12.8.1. Cooling System	5						-	-	-	-
12.8.2. Lubrication System	5						-	-	-	-
12.8.3. Valve Train	5						-	-	-	-
12.8.4. Fuel/Air System	5						2b	b	-	-
12.8.5. Emission Control System	5						2b	-	-	-
12.8.6. Computer Control System							2b	-	-	-
12.9. Test Cylinder Compression	5						2b	b	-	-
<b>12.10. Adjust</b>										
12.10.1. Governors	5						2b	b	-	-
12.10.2. Valve Clearance	5						2b	b	-	-
12.10.3. Fuel System Timing	5						2b	b	-	-
<b>13. ALTERNATIVE FUEL VEHICLES TR: TOs 36 Series</b>										
13.1. Compressed Natural Gas Fundamentals							-	B	-	B
13.2. Electric Drive Fundamentals							-	B	-	B
13.3. Fuel Cell Fundamentals							-	B	-	B
13.4. Hybrid Vehicles							A	B	-	B
<b>14. ELECTRICAL SYSTEMS TR: TOs: 33, 35, 36 Series</b>										
<b>14.1. Fundamentals</b>										
14.1.1. Electricity							B	B	-	-
14.1.2. Batteries							B	B	-	-
14.1.3. Starting Systems							B	B	-	-
14.1.4. Ignition Systems							B	B	-	-
14.1.5. Charging Systems							B	B	-	-
14.1.6. Lighting Systems							B	B	-	-
14.1.7. Warning Systems							B	B	-	-
14.1.8. Glow plug System							B	B	-	-
14.2. Interpret Electrical System Diagrams And Schematics	5						2b	b	-	-
<b>14.3. Remove And Install Electrical Components</b>										
14.3.1. Computer System	5						2b	b	-	-
14.3.2. Ignition System							2b	b	-	-
<b>14.4. Inspect, Isolate and Repair Malfunctions</b>										
14.4.1. Batteries	5						2b	b	-	-
14.4.2. Starting System	5						2b	b	-	-
14.4.3. Ignition System	5						2b	b	-	-
14.4.4. Charging System	5						2b	b	-	-
14.4.5. Lighting System	5						2b	b	-	-
14.4.6. Warning System	5						2b	b	-	-

**STS 2T3X1, 2T3X2A/C, 2T370**

1. Tasks, Knowledge And Technical References	2. Core/ War-time Tasks (See Note)	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided			
		A	B	C	D	E	A 3-Skill Level	B 5-Skill Level	C 7-Skill Level	
		Tng Start	Tng Compl	Trainee Initials	Trainer Initials	Cert Initials	Course	CDC	(1) Course	(2) CDC
14.4.7. Glow plug System	5						2b	b	-	-
14.5. Computerized Vehicle Controls	5						2b	b	-	-
<b>15. HYDRAULIC SYSTEM</b> <b>TR: TOs 35, 36 Series</b>										
15.1. Safety/Fundamentals							B	B	-	-
15.2. Inspect Hydraulic System Components	5						2b	b	-	-
15.3. Interpret Hydraulic System Diagrams Or Schematics	5						2b	b	-	-
15.4. Isolate Hydraulic System Malfunctions	5						-	b	-	-
15.5. Remove And Install Hydraulic System Components	5						-	b	-	-
15.6. Manufacture Hydraulic Hoses							2b	b	-	-
<b>16. POWER TRAINS</b> <b>TR: TOs 35, 36 Series</b>										
<b>16.1. Fundamentals</b>										
16.1.1. Transmissions							B	B	-	-
16.1.2. Clutches							B	B	-	-
16.1.3. Transfer Cases							B	B	-	-
16.1.4. Drive Axle Assemblies							B	B	-	-
16.1.5. Drive Trains							B	B	-	-
16.1.6. Transaxle/Front Wheel Drive							B	B	-	-
<b>16.2. Remove And Install</b>										
16.2.1. Automatic Transmissions							-	b	-	-
16.2.2. Manual Transmissions							2b	b	-	-
16.2.3. Manual Clutch Assemblies							2b	b	-	-
16.2.4. Transmission Seals And Gaskets							-	b	-	-
16.2.5. Flywheel/Ring Gears							-	b	-	-
16.2.6. Drive Shafts							2b	b	-	-
16.2.7. Rear Wheel Bearings							2b	b	-	-
16.2.8. CV Joints							2b	b	-	-
16.2.9. Front Wheel Drive Axles							2b	b	-	-
16.2.10. Fluid Couplings And Torque Converters							2b	-	-	-
16.2.11. Front Wheel Bearings	5						2b	b	-	-
16.2.12. Universal Joints Other Than CVs	5						2b	b	-	-
16.2.13. Speedometer Cable Assembly							-	-	-	-
<b>16.3. Repair</b>										
16.3.1. Automatic Transaxles							-	b	-	-
16.3.2. Automatic Transmissions							-	b	-	-

**STS 2T3X1, 2T3X2A/C, 2T370**

1. Tasks, Knowledge And Technical References	2. Core/ War-time Tasks (See Note)	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided			
		A	B	C	D	E	A 3-Skill Level	B 5-Skill Level	C 7-Skill Level	
		Tng Start	Tng Compl	Trainee Initials	Trainer Initials	Cert Initials	Course	CDC	(1) Course	(2) CDC
16.3.3. Manual Transmissions							-	b	-	-
16.3.4. Transfer Case							-	b	-	-
16.3.5. Differentials							-	b	-	-
<b>16.4. Inspect</b>										
16.4.1. Drive Axles	5						2b	b	-	-
16.4.2. Drive Shaft Components	5						2b	b	-	-
16.4.3. CV Joints	5						2b	b	-	-
16.4.4. Transaxle Assemblies							-	b	-	-
<b>16.5. Adjust</b>										
16.5.1. Automatic Transmission Controls And Linkages	5						b	b	-	-
16.5.2. Free Play Of Clutch Pedals							b	b	-	-
16.5.3. Manual Transmission Controls And Linkages							b	b	-	-
16.5.4. Transfer Case Linkage Or Controls							b	b	-	-
16.6. Isolate Automatic Transmission Malfunctions							b	b	-	-
16.7. Pack Wheel Bearings							b	b	-	-
<b>16.8. Wheel And Tire</b>										
16.8.1. Fundamentals							B	B	-	-
16.8.2. Tire Pressure Monitoring System							B	B	-	-
<b>16.8.3 Dismount Or Mount</b>										
16.8.3.1 Light Duty Tires	5						2b	b	-	-
16.8.3.2. Split Rim Tires	5						2b	b	-	-
16.8.3.3 Split Ring Tires	5						2b	b	-	-
16.8.3.4. Large Single Rim Tires	5						2b	b	-	-
16.8.3.5. Balance Wheels							2b	b	-	-
<b>17. SUSPENSION SYSTEMS TR: TOs 35, 36 Series</b>										
17.1. Fundamentals							B	B	-	-
<b>17.2. Remove And Install</b>										
17.2.1. Ball Joints							-	b	-	-
17.2.2. McPherson Struts							-	b	-	-
17.2.3. King Pins							-	b	-	-
17.2.4. Shock Absorbers							-	b	-	-
17.3. Inspect Suspension System Components	5						2b	b	-	-
17.4. Align Suspension System							b	b	-	-
17.5. Electronic Stability Controls (ESC)							-	B	-	-
<b>18. STEERING SYSTEM TR: TOs 35, 36 Series</b>										

**STS 2T3X1, 2T3X2A/C, 2T370**

1. Tasks, Knowledge And Technical References	2. Core/ War-time Tasks (See Note)	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided			
		A	B	C	D	E	A 3-Skill Level	B 5-Skill Level	C 7-Skill Level	
		Tng Start	Tng Compl	Trainee Initials	Trainer Initials	Cert Initials	Course	CDC	(1) Course	(2) CDC
18.1. Fundamentals							B	B	-	-
<b>18.2. Remove And Install</b>										
18.2.1. Idler Arms							-	b	-	-
18.2.2. Pitman Arms							-	b	-	-
18.2.3. Power Steering Hoses							-	b	-	-
18.2.4. Power Steering Pumps							-	b	-	-
18.2.5. Steering Gearboxes							-	b	-	-
18.2.6. Steering Wheels							-	b	-	-
18.2.7. Tie Rod Components							-	b	-	-
18.2.8. Wheel Spindle							-	b	-	-
18.2.9. Wheel Studs							-	b	-	-
18.3. Inspect Steering System Components							2b	b	-	-
18.4. Adjust Steering Gear Components							b	b	-	-
18.5. Isolate Steering System Malfunctions							b	b	-	-
<b>19. BRAKE SYSTEMS TR: TOs 35, 36 Series</b>										
<b>19.1. Common Components</b>										
<b>19.1.1. Remove And Install Components</b>										
19.1.1.1. Rotors							2b	b	-	-
19.1.1.2. Drums	5						2b	b	-	-
19.1.1.3. Brake Shoes	5						2b	b	-	-
19.1.1.4. Disc Brake Calipers	5						2b	b	-	-
19.1.1.5. Disc Brake Pads	5						2b	b	-	-
19.1.1.6. Anti-Lock Brake System	AV7						-	b	-	-
19.1.1.7. Parking Brake	5						b	b	-	-
19.1.1.8. Self-Adjusting Brake Mechanism	5						2b	b	-	-
<b>19.1.2. Adjust</b>										
19.1.2.1. Parking Brakes	5						2b	b	-	-
19.1.2.2. Service Brakes	5						2b	b	-	-
<b>19.1.3. Re-surface</b>										
19.1.3.1. Brake Drum							-	b	-	-
19.1.3.2. Disc Brake Rotors							-	b	-	-
<b>19.2. Hydraulic Brakes TR: TO 36 Series</b>										
19.2.1. Fundamentals							B	B	-	-
<b>19.2.2. Remove And Install</b>										
19.2.2.1. Master Cylinder	5						-	b	-	-
19.2.2.2. Wheel Cylinders	5						-	b	-	-
19.2.2.3. Hoses Or Lines	5						-	b	-	-
19.2.2.4. Boosters, Airpacks or Hydrovac Components							-	b	-	-
19.2.3. Test Hydraulic Brake System							-	b	-	-

**STS 2T3X1, 2T3X2A/C, 2T370**

1. Tasks, Knowledge And Technical References	2. Core/ War-time Tasks (See Note)	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided			
		A	B	C	D	E	A 3-Skill Level	B 5-Skill Level	C 7-Skill Level	
		Tng Start	Tng Compl	Trainee Initials	Trainer Initials	Cert Initials	Course	CDC	(1) Course	(2) CDC
19.2.4. Bleed Brake System	5						2b	b	-	-
<b>19.2.5. Isolate Malfunctions</b>										
19.2.5.1. Anti-Lock Brake System Components	AV7						b	b	-	-
19.2.5.2. Booster, Airpack Or Hydrovac System	5						2b	b	-	-
19.2.5.3. Hydraulic Brake System	5						2b	b	-	-
<b>19.2.6. Disassemble And Assemble</b>										
19.2.6.1. Master Cylinder							-	b	-	-
19.2.6.2. Disc Brake Calipers							-	b	-	-
19.2.6.3. Booster, Airpack Or Hydrovac Components							-	b	-	-
<b>19.3. Air Brakes TR: TO 36 Series</b>										
19.3.1. Fundamentals							B	B	-	-
19.3.2. Inspect Air Brake System Components	5						2b	b	-	-
19.3.3. Isolate Air Brake System Malfunctions	5						2b	b	-	-
19.3.4. Isolate Anti-Lock Brake System Malfunctions							-	b	-	-
19.3.5. Remove And Install Air Brake Chambers	5						-	b	-	-
19.3.6. Repair Air Brake Chambers							-	b	-	-
19.3.7. Adjust Slack Adjusters	5						2b	b	-	-
<b>19.4. Electric Brakes TR: TO 36 Series</b>										
19.4.1. Fundamentals							-	B	-	-
19.4.2. Inspect Electric Brake System Components							-	-	-	-
19.4.3. Isolate Electric Brake System Malfunctions							-	-	-	-
19.4.4. Remove And Install Electric Brake Components							-	-	-	-
<b>20. AIR SYSTEM TR: TO 36 Series</b>										
20.1. Fundamentals							B	B	-	-
20.2. Inspect Components	5						b	b	-	-
20.3. Isolate Malfunctions							-	-	-	-
20.4. Adjust Air Governor							b	b	-	-
<b>20.5. Repair</b>										
20.5.1. Compressor							-	b	-	-
20.5.2. Air Governor							-	b	-	-
20.5.3. Valves							-	b	-	-

**STS 2T3X1, 2T3X2A/C, 2T370**

1. Tasks, Knowledge And Technical References	2. Core/War-time Tasks (See Note)	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided			
		A	B	C	D	E	A 3-Skill Level	B 5-Skill Level	C 7-Skill Level	
		Tng Start	Tng Compl	Trainee Initials	Trainer Initials	Cert Initials	Course	CDC	(1) Course	(2) CDC
20.5.4. Actuators/Cylinders							-	b	-	-
20.6. Replace Air Lines/Fittings							b	-	-	-
<b>20.7. Central Tire Inflation System (CTIS)</b>										
20.7.1. Fundamentals							-	B	-	-
20.7.2. Inspect CTIS Systems							-	b	-	-
20.7.3. Isolate CTIS System Malfunctions							-	b	-	-
20.7.4. Remove And Install CTIS System Components							-	b	-	-
<b>21. HEATING/AIR CONDITIONING SYSTEMS (A/C) TR: TO 36 Series</b>										
<b>21.1. Heating Systems</b>										
21.1.1. Fundamentals							B	B	-	-
21.1.2. Isolate/Repair Heating System Malfunctions	5						-	b	-	-
21.1.3. Remove And Install Heater Cores							-	b	-	-
<b>21.2. A/C Systems</b>										
21.2.1. Fundamentals							B	B	-	-
21.2.2. Inspect A/C System							2b	b	-	-
<b>21.2.3. Service</b>										
21.2.3.1. Evacuate A/C System							-	b	-	-
21.2.3.2. Charge A/C System							-	b	-	-
<b>21.2.4. Isolate</b>										
21.2.4.1. A/C System Malfunctions							-	b	-	-
21.2.4.2. A/C System Leaks							-	b	-	-
<b>21.2.5 Remove and Install</b>										
21.2.5.1 System Components							-	b	-	-
<b>22. AIR BAG SYSTEM TR: TOs 36-1-191, 36, 36M, 36Y Series</b>										
22.1. Fundamentals							B	B	-	B
22.2. Inspect Air Bag Systems							-	b	-	-
22.3. Isolate Air Bag System Malfunctions							-	b	-	-
22.4. Remove And Install Air Bag System Components							-	b	-	-
<b>23. MILITARY SERIES VEHICLES TR: TOs 36-1-191, 36 Series</b>										
<b>23.1. Fundamentals</b>										
23.1.1. HMMWV							B	B	-	B
23.1.2. MRAP							B	B	-	B

**STS 2T3X1, 2T3X2A/C, 2T370**

1. Tasks, Knowledge And Technical References	2. Core/ War-time Tasks (See Note)	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided			
		A	B	C	D	E	A 3-Skill Level	B 5-Skill Level	C 7-Skill Level	
		Tng Start	Tng Compl	Trainee Initials	Trainer Initials	Cert Initials	Course	CDC	(1) Course	(2) CDC
23.1.3. Medium M-Series (i.e., M35, M1083)							-	B	-	B
<b>23.2. Isolate and Repair Malfunctions</b>										
<b>23.2.1. HMMWV</b>										
23.2.1.1. Mechanical System							-	b	-	-
23.2.1.2. Steering System							-	b	-	-
23.2.1.3. Suspension System							-	b	-	-
23.2.1.4. Electrical System							2b	b	-	-
<b>23.2.2. Medium M-Series (i.e., M35, M1083)</b>										
23.2.2.1. Mechanical System							-	b	-	-
23.2.2.2. Steering System							-	b	-	-
23.2.2.3. Suspension System							-	b	-	-
23.2.2.4. Electrical System							-	b	-	-
23.2.2.5. Air System							-	b	-	-
23.2.2.6. Hydraulic System							-	b	-	-
<b>23.2.3. MRAP</b>										
23.2.3.1. Life Support/HVAC Systems							2b	b	-	-
23.2.3.2. Electrical System							2b	b	-	-
<b>23.3 Inspect</b>										
<b>23.3.1. MRAP</b>										
23.3.1.1. Fire Suppression Systems							b	b	-	-
<b>23.4. Remove and Replace</b>										
<b>23.4.1. MRAP</b>										
23.4.1.1. Body Armor							2b	b	-	-
<b>23.4.2. Medium M-Series (i.e., M35, M1083)</b>										
23.4.2.1. Driveline Components							-	-	-	-
<b>24. CRANES TR: TO 36 Series</b>										
24.1. Fundamentals							B	B	-	B
<b>24.2. Isolate And Repair Malfunctions</b>										
24.2.1. Mechanical							-	-	b	-
24.2.2. Electrical	V7						2b	-	b	-
24.2.3. Computer Control Systems	V7						2b	-	b	-
24.2.4. Hydraulic	V7						2b	-	b	-
<b>24.3. Adjust</b>										
24.3.1. Mechanical							-	-	b	-
24.3.2. Hydraulic							-	-	b	-
<b>25. CRAWLER TRACTORS TR: TO 36 Series</b>										
25.1. Fundamentals							-	B	-	B

**STS 2T3X1, 2T3X2A/C, 2T370**

1. Tasks, Knowledge And Technical References	2. Core/ War-time Tasks (See Note)	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided			
		A	B	C	D	E	A 3-Skill Level	B 5-Skill Level	C 7-Skill Level	
		Tng Start	Tng Compl	Trainee Initials	Trainer Initials	Cert Initials	Course	CDC	(1) Course	(2) CDC
<b>25.2. Isolate Malfunctions</b>										
25.2.1. Final Drive Assembly							-	b	-	-
25.2.2. Steering System							-	b	-	-
25.2.3. Track System							-	b	-	-
<b>25.3. Adjust</b>										
25.3.1. Final Drive Assembly							-	b	-	-
25.3.2. Steering System							-	b	-	-
25.3.3. Track System							-	b	-	-
<b>25.4. Repair</b>										
25.4.1. Final Drive Assembly							-	b	-	-
25.4.2. Steering System							-	b	-	-
25.4.3. Track System							-	b	-	-
<b>26. SWEEPER AUXILIARY SYSTEMS TR: TO 36 Series</b>										
26.1. Fundamentals							B	B	-	B
<b>26.2. Isolate And Repair Malfunctions</b>										
26.2.1. Auxiliary Electrical System	V7						2b	b	-	-
26.2. 2. Hydraulic System	V7						2b	b	-	-
26.2. 3. Mechanical System	V7						-	b	-	-
26.2. 4. Water System	V7						2b	b	-	-
<b>26.3. Adjust</b>										
26.3.1. Hydraulic System	V						2b	b	-	-
26.3.2. Mechanical System	V						-	b	-	-
26.3.3. Water System							-	b	-	-
<b>27. EQUIPMENT ATTACHMENT TR: TO 36 Series</b>										
<b>27.1. Fundamentals</b>										
27.1.1. Snow Broom							-	B	-	B
27.1.2. Snow Blower							B	B	-	B
27.1.3. Blade/Hitch Assembly							-	B	-	-
<b>27.2. Isolate And Repair Malfunctions</b>										
27.2.1. Snow Broom							-	b	-	-
27.2.2. Snow Blower							2b	b	-	-
27.2.3. Blade/Hitch Assembly							-	b	-	-
<b>27.3. Adjust</b>										
27.3.1. Snow Broom							-	b	-	-
27.3.2. Snow Blower							-	b	-	-
27.3.3. Blade/Hitch Assembly							-	b	-	-
<b>27.4. Inspect</b>										
27.4.1. Snow Broom							-	b	-	-
27.4.2. Snow Blower							2b	b	-	-

**STS 2T3X1, 2T3X2A/C, 2T370**

1. Tasks, Knowledge And Technical References	2. Core/ War-time Tasks (See Note)	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided			
		A	B	C	D	E	A 3-Skill Level	B 5-Skill Level	C 7-Skill Level	
		Tng Start	Tng Compl	Trainee Initials	Trainer Initials	Cert Initials	Course	CDC	(1) Course	(2) CDC
27.4.3 Blade/Hitch Assembly							-	b	-	-
<b>28. TOWING AND SERVICING VEHICLES TR: TOs 36-1-191, 35E17, 36A10, 36Y Series</b>										
<b>28.1. Aircraft Towing Tractors</b>										
28.1.1. Fundamentals							B	B	-	-
<b>28.1.2. Isolate And Repair Malfunctions</b>										
28.1.2.1. Electrical System	V7						2b	b	-	-
28.1.2.2. Hydraulic System	V7						-	b	-	-
28.1.2.3. Steering System	V7						2b	b	-	-
28.1.2.4. Braking System	V7						b	b	-	-
<b>28.1.3. Adjust</b>										
28.1.3.1. Hydraulic System							-	b	-	-
28.1.3.2. Steering System							-	-	-	-
28.1.3.3. Braking System	V7						-	b	-	-
<b>28.2. Deicers</b>										
28.2.1. Fundamentals							B	B	-	B
28.2.2. Fire Suppression System							B	B	-	-
<b>28.2.2. Isolate And Repair Malfunctions</b>										
28.2.2.1. Electrical System							2b	b	-	-
28.2.2.2. Hydraulic System							2b	b	-	-
28.2.2.3. Dispensing System							2b	b	-	-
28.2.2.4. Heating System	V7						2b	b	-	-
<b>28.2.3. Adjust</b>										
28.2.3.1. Electrical System Switches							-	b	-	-
28.2.3.2. Hydraulic System							2b	b	-	-
28.2.3.3. Dispensing System							2b	b	-	-
<b>28.3 Refueling Vehicles</b>										
28.3.1 General Safety Precautions							-	B	-	B
28.3.2 Fundamental Operations							-	B	-	B
<b>29. GRADERS TR: TO 36 Series</b>										
29.1. Fundamentals							-	-	-	-
<b>29.2. Isolate And Repair Malfunctions</b>										
29.2.1. Electrical System							-	b	-	-
29.2.2. Hydraulic System							-	b	-	-
29.2.3. Drive train System							-	b	-	-
29.2.4. Steering System							-	b	-	-
<b>30. FIRE TRUCKS TR: TOs 36-1-191, 36A12 Series</b>										
<b>30.1. Fundamentals</b>										

**STS 2T3X1, 2T3X2A/C, 2T370**

1. Tasks, Knowledge And Technical References	2. Core/ War-time Tasks (See Note)	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided			
		A	B	C	D	E	A 3-Skill Level	B 5-Skill Level	C 7-Skill Level	
		Tng Start	Tng Compl	Trainee Initials	Trainer Initials	Cert Initials	Course	CDC	(1) Course	(2) CDC
<b>30.1.1. Crash Truck</b>										
30.1.1.1. Dispensing System	A						B	B	-	B
30.1.1.2. Winterization System							B	B	-	B
30.1.1.3. Hydraulic System							B	B	-	B
30.1.1.4. Air System							B	B	-	B
30.1.1.5. Electrical System							B	B	-	B
30.1.1.6. Mechanical System							B	B	-	B
<b>30.1.2. Structural Truck</b>										
30.1.2.1. Dispensing System	A						B	B	-	B
30.1.2.2. Winterization System							-	-	-	-
30.1.2.3. Air System							B	B	-	B
30.1.2.4. Electrical System							B	B	-	B
30.1.2.5. Mechanical System							B	B	-	B
<b>30.2. Isolate And Repair Malfunctions</b>										
<b>30.2.1. Crash Truck</b>										
30.2.1.1. Dispensing System	A7						2b	b	-	-
30.2.1.2. Winterization System							2b	b	-	-
30.2.1.3. Hydraulic System							-	-	-	-
30.2.1.4. Air System	A7						2b	b	-	-
30.2.1.5. Electrical System	A7						2b	b	-	-
30.2.1.6. Mechanical System	A7						2b	b	-	-
30.2.1.7. Drivetrain							2b	b	-	-
<b>30.2.2. Structural Truck</b>										
30.2.2.1. Dispensing System	A7						2b	b	-	-
30.2.2.2. Winterization System							-	-	-	-
30.2.2.3. Hydraulic System							-	-	-	-
30.2.2.4. Air System	A7						2b	b	-	-
30.2.2.5. Electrical System	A7						2b	b	-	-
30.2.2.6. Mechanical System							2b	b	-	-
<b>30.3. Adjust Components</b>										
<b>30.3.1. Crash Truck</b>										
30.3.1.1. Dispensing System	A						2b	b	-	-
30.3.1.2. Winterization System							2b	b	-	-
30.3.1.3. Hydraulic System							-	-	-	-
30.3.1.4. Air System							2b	b	-	-
30.3.1.5. Electrical System	A						2b	b	-	-
30.3.1.6. Mechanical System							2b	b	-	-
<b>30.3.2. Structural Truck</b>										

**STS 2T3X1, 2T3X2A/C, 2T370**

1. Tasks, Knowledge And Technical References	2. Core/ War-time Tasks (See Note)	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided			
		A	B	C	D	E	A 3-Skill Level	B 5-Skill Level	C 7-Skill Level	
		Tng Start	Tng Compl	Trainee Initials	Trainer Initials	Cert Initials	Course	CDC	(1) Course	(2) CDC
30.3.2.1. Dispensing System	A						2b	b	-	-
30.3.2.2. Winterization System							-	-	-	-
30.3.2.3. Hydraulic System							-	-	-	-
30.3.2.4. Air System							-	-	-	-
30.3.2.5. Electrical System							-	b	-	-
30.3.2.6. Mechanical System	A						2b	b	-	-
<b>31. MHE/463L EQUIPMENT TR: TO 36 Series</b>										
<b>31.1. Fundamentals</b>										
31.1.1. Forklifts							B	B	-	B
31.1.2. Cargo Loaders, Small							B	B	-	B
31.1.3. Cargo Loaders, 60K							B	B	-	B
<b>31.2. Isolate And Repair Malfunctions</b>										
<b>31.2.1. Forklifts Standard</b>										
31.2.1.1. Electrical System	C7						2b	b	-	-
31.2.1.2. Hydraulic System	C7						2b	b	-	-
31.2.1.3. Mechanical System	C7						2b	b	-	-
<b>31.2.2. Forklifts Adverse-Terrain</b>										
31.2.2.1. Electrical System	C7						2b	b	-	-
31.2.2.2. Hydraulic System	C7						2b	b	-	-
31.2.2.3. Air System	C7						2b	b	-	-
31.2.2.4. Mechanical System	C7						2b	b	-	-
<b>31.2.3. Cargo Loaders, Small</b>										
31.2.3.1. Electrical System	C7						2b	b	-	-
31.2.3.2. Hydraulic System	C7						2b	b	-	-
31.2.3.3. Mechanical System	C7						-	b	-	-
<b>31.2.4. Cargo Loaders, 60K</b>										
31.2.4.1. Electrical System	C7						2b	b	-	-
31.2.4.2. Hydraulic System	C7						2b	b	-	-
31.2.4.3. Air System							2b	b	-	-
31.2.4.4. Mechanical System	C7						-	b	-	-
<b>31.3. Adjust Components</b>										
<b>31.3.1. Forklift Standard</b>										
31.3.1.1. Hydraulic System	C						2b	b	-	-
31.3.1.2. Mechanical System	C						2b	b	-	-

**STS 2T3X1, 2T3X2A/C, 2T370**

1. Tasks, Knowledge And Technical References	2. Core/ War-time Tasks (See Note)	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided			
		A	B	C	D	E	A 3-Skill Level	B 5-Skill Level	C 7-Skill Level	
		Tng Start	Tng Compl	Trainee Initials	Trainer Initials	Cert Initials	Course	CDC	(1) Course	(2) CDC
<b>31.3.2. Forklift Adverse-Terrain</b>										
31.3.2.1. Hydraulic System	C						2b	b	-	-
31.3.2.2. Mechanical System	C						2b	b	-	-
<b>31.3.3. Cargo Loader, Small</b>										
31.3.3.1. Electrical System	C						2b	b	-	-
31.3.3.2. Hydraulic System	C						-	b	-	-
31.3.3.3. Air System							-	b	-	-
<b>31.3.4. Cargo Loader, 60K</b>										
31.3.4.1. Steering	C						2b	b	-	-
31.3.4.2. Encoders	C						2b	b	-	-
31.3.4.3. Electrical System	C						2b	b	-	-
<b>32. BODY AND CAB TR: TOs 36-1-50, 36A-1-1313, 36 Series</b>										
32.1. Fundamentals Of Body And Cab Components	V						-	B	-	B
<b>32.2. Remove/Replace</b>										
32.2.1. Panels							-	-	-	b
32.2.2. Doors							-	-	-	b
32.2.3. Fenders							-	-	-	b
32.2.4. Bumpers							-	-	-	b
32.2.5. Grills							-	-	-	b
32.2.6. Deck lids							-	-	-	b
32.2.7. Hoods							-	-	-	b
<b>32.3. General Body Repair</b>										
32.3.1. Locate Irregularities							-	-	-	B
32.3.2. Bump-Out Irregularities							-	-	-	B
32.3.3. Shrink Metal							-	-	-	B
<b>32.4. Repair Components Using:</b>										
32.4.1. Fiberglass							-	-	-	B
32.4.2. Plastics							-	-	-	B
32.4.3. Composites							-	-	-	B
32.5. Fabricate Body Panels And Brackets							-	-	-	B
<b>33. TRIM AND HARDWARE TR: TO 36 Series</b>										
33.1. Fundamentals							-	B	-	B
<b>33.2. Replace/Repair</b>										
33.2.1. Channels							-	-	-	b
33.2.2. Door Glass Bumpers							-	-	-	b
33.2.3. Lock Mechanisms	V						-	-	-	b
33.2.4. Moldings							-	-	-	b
33.2.5. Regulators	V						-	b	-	b
33.2.6. Weather Strips							-	-	-	b
33.2.7. Trim Panels/ Coverings							-	-	-	b

**STS 2T3X1, 2T3X2A/C, 2T370**

1. Tasks, Knowledge And Technical References	2. Core/ War-time Tasks (See Note)	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided			
		A	B	C	D	E	A 3-Skill Level	B 5-Skill Level	C 7-Skill Level	
		Tng Start	Tng Compl	Trainee Initials	Trainer Initials	Cert Initials	Course	CDC	(1) Course	(2) CDC
33.2.8. Hinges	V						-	b	-	b
33.2.9. Dash Pads							-	-	-	b
<b>33.3. Sewing Machines</b>										
33.3.1. Fundamentals							-	-	-	-
33.3.2. Operate							-	-	-	-
<b>33.3.3. Operator Maintenance</b>										
33.3.3.1. Adjust							-	-	-	-
33.3.3.2. Clean							-	-	-	-
33.3.3.3. Lubricate							-	-	-	-
<b>33.4. Upholstery/ Components</b>										
33.4.1. Fundamentals							-	B	-	B
33.4.2. Fabricate							-	b	-	-
33.4.3. Inspect							-	B	-	-
33.4.4. Repair							-	b	-	-
33.4.5. Replace							-	b	-	-
<b>33.5. Seat Belts</b>										
33.5.1. Inspect	5						-	b	-	-
33.5.2. Install	5						-	b	-	-
33.5.3. Replace	5						-	b	-	-
<b>34. GLASS TR: TO 36 Series</b>										
34.1. Fundamentals							-	-	-	B
<b>34.2. Cut</b>										
34.2.1. Glass							-	-	-	B
34.2.2. Plexiglas							-	-	-	-
34.3. Fit							-	-	-	B
<b>34.4. Replace</b>										
34.4.1. Windows	V7						-	b	-	b
34.4.2. Windshields	V7						-	b	-	b
34.5. Repair Glass							-	b	-	b
<b>35. PAINTING/Marking TR: TOs 1-1-8, 36-1-191, 36-1-161, 36-1-171, 36 Series</b>										
35.1. Fundamentals							-	A	-	B
35.2. Prepare Surface							-	A	-	B
<b>35.3. Prepare/Apply</b>										
35.3.1. Corrosion Control Materials							-	a	-	-
35.3.2. Enamels							-	a	-	-
35.3.3. Markings							-	a	-	-
35.3.4. Polyurethane							-	a	-	-
35.3.5. Primers							-	a	-	-
35.3.6. Base/Clear Coat							-	a	-	-
<b>35.4. Spot Paint/Blend</b>										
35.4.1. Single Stage							-	-	-	-
35.4.2. Two Stage							-	-	-	-
<b>36. HEAT EXCHANGERS TR: TO 36 Series</b>										
36.1. Fundamentals							-	B	-	B
36.2. Remove/Replace							-	b	-	-
36.3. Test							-	b	-	-
<b>36.4. Repair</b>										
36.4.1. Metal							-	b	-	-

**STS 2T3X1, 2T3X2A/C, 2T370**

1. Tasks, Knowledge And Technical References	2. Core/ War-time Tasks (See Note)	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided			
		A	B	C	D	E	A 3-Skill Level	B 5-Skill Level	C 7-Skill Level	
		Tng Start	Tng Compl	Trainee Initials	Trainer Initials	Cert Initials	Course	CDC	(1) Course	(2) CDC
36.4.2. Composite							-	b	-	-
<b>37. FUEL TANKS TR: TO 36 Series</b>										
37.1. Purge							-	-	-	-
37.2. Repair							-	-	-	-
<b>38. WELDING EQUIPMENT TR: TOs 34W4-1-5, 34W-1-7, 34W-1-8, 36 Series</b>										
<b>38.1. Fundamentals</b>										
38.1.1. Set Up/ Preparation							B	B		B
38.1.2. Gas Metal Arc							B	B	-	B
38.1.3. Shielded Metal Arc							B	B	-	B
38.1.4. Gas Tungsten Arc Welding							-	B	-	B
38.1.5. Oxygen/Acetylene							B	B	-	B
38.1.6. Plasma Cutter							B	B	-	B
<b>38.2. Weld Metals Using:</b>										
38.2.1. Gas Metal Arc							2b	b	-	b
38.2.2. Shielded Metal Arc							2b	b	-	b
38.2.3. Oxygen/Acetylene							2b	b	-	b
38.2.4. Brazing							-	b	-	b
38.2.5. Soldering							-	b	-	b
<b>38.3. Cut metals Using:</b>										
38.3.1. Oxygen/Acetylene							2b	b	-	b
38.3.2. Plasma Cutter							2b	b	-	b
<b>39. COLLISION/BATTLE DAMAGE BODY REPAIR TR: Collision Estimating Guides; TO 36 Series</b>										
39.1. Fundamentals							-	-	-	B
39.2. Locate And Assess Damage							-	-		b
39.3. Estimate Repairs/Cost							-	-	-	b
39.4. Perform Interim Repairs							-	-		b
<b>40. TOWING TR: TO 36-1-191</b>										
<b>40.1. Pintle Hook</b>										
40.1.1. Inspect	5						2b	b	-	-
40.1.2. Replace							-	-	-	-
<b>40.2. Fifth Wheel</b>										
40.2.1. Inspect	AV7						-	b	-	-
40.2.2. Replace							-	b	-	-
<b>40.3. King Pin</b>										
40.3.1. Inspect	AV7						-	b	-	-
40.3.2. Replace							-	b	-	-
<b>41. FRAME TR: TO 36 Series</b>										
41.1. Inspect For Damage							-	b	-	-

## 2. VEHICLE MANAGEMENT AND ANALYSIS APPRENTICE, JOURNEYMAN, AND CRAFTSMAN

**2.1. Implementation.** This STS will be used for technical training provided by AETC applies to all classes entering after 4 October 2010; CDC customer need date June 2012.

**2.2. Purpose.** As prescribed in AFI 36-2201, this STS:

2.2.1. Lists the mandatory and general tasks, knowledge and TRs necessary for Airmen to perform duties at the 3-, 5- and 7-skill levels in the AFSC 2T3X7 ladder of the Airman Vehicle Management Career Field.

2.2.2. Becomes an AFJQS for OJT when placed in an OJT record and used according to AFI 36-2201.

2.2.3. Provides OJT certification columns in Part 2, Section A to record completion of task and knowledge training requirements.

2.2.4. Shows formal training requirements. The 3- and 7-level course columns show the proficiency to be demonstrated on the job by the graduate as a result of training in skill-level ascension courses.

2.2.5. It is a guide for development of promotion tests used in the WAPS. SKTs 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 AFI 36-2502, *Airman Promotion/Demotion Programs*. WAPS is only applicable to active duty personnel.

**2.3. Qualitative Requirements.** Part 2, Section A contains the proficiency code key used to indicate the level of training and knowledge provided by resident training and career development courses.

**2.4. Documentation.** Supervisors, trainers and trainees must ensure all training documentation contained within an Airman's Individual Training Plan (ITP) in TBA IAW AFI 36-2201 and the current *TBA Application User's Guide*.

2.4.1. The 2T3XX AFCFM has not identified any core tasks requiring third-party certification. However, MAJCOMs may establish policy concerning third-party certification. **Note: Required upgrade training "core task(s)" identified by local unit, as "not available for training" must be annotated in TBA. The 5- or 7-level skill can then be awarded when all other training and core tasks are complete.**

2.4.2. **Converting External Task into TBA** (Transcription Procedures). This action allows Supervisors to convert tasks from an external source (AF Form 623) into TBA. When this action is initiated, the tasks that are converted into TBA go into the Airman's archived task lists. At that point, the supervisor with authority over the Airman's record can then select which tasks should be unarchived and moved to an active status IAW the *TBA Application User's Guide*.

2.4.3. **Documenting Career Knowledge.** When a CDC is not available: The supervisor identifies CDC training references that the trainee requires for career knowledge and ensures, as a minimum, that the trainee covers the mandatory items in the AFECDC. For two-time CDC course exams failures: Supervisors identify all STS items corresponding to the areas covered by the CDC. The trainee completes a study of CDC references, undergoes evaluation by the supervisor and receives ITP task completion in TBA. Note: Career knowledge must be documented prior to pursuing a CDC waiver.

2.4.4. **Decertification and Recertification of ITP Task.** When an Airman is found to be unqualified on an ITP task previously completed for their duty position in TBA, the supervisor will take action to decertify the task and complete Journal Entry IAW the *TBA Application User's Guide*, Decertify ITP Task instructions.

**2.5. Training Standard.** Tasks are trained and qualified to the go/no go level. Go means the individual can perform the task without assistance and meet local demands for accuracy, timeliness and correct use of procedures IAW AFI 36-2201.

## STS 2T3X7

**2.6. Recommendations.** Report unsatisfactory performance of individual course graduates to 344 TRS/TRRP, 1015 Femoyer Street, Lackland AFB TX 78236-5404. Report inadequacies of this STS through command channels to HQ USAF/A4LE, referencing specific STS paragraphs. A customer service information line has been installed for supervisors' convenience to identify graduates who may have been over or under trained on task/knowledge items listed in this training standard. For a quick response to problems, call the customer service information line, DSN 473-2917, from 0730-1630 CST/CDST.

### *Notes:*

1. Users are responsible for updating training references pending revision of this STS.
2. All tasks trained by AETC in 3level courses are considered Wartime Tasks.
3. Items in Core/Wartime Tasks column marked with a symbol/character (5 or 7) are mandatory "core" tasks that must be completed before the next skill level can be awarded. Required up-grade training "core task(s)" identified by local unit, as "not available for training" must be annotated in TBA. Comments regarding training availability may also be annotated in TBA. The 5- or 7-skill level can then be awarded when all other training and core tasks are complete.

**5 = Required core task for training to AFSC 2T357**

**7 = Required core task for training to AFSC 2T377**

**STS 2T3X7**

**QUALITATIVE REQUIREMENTS**

Proficiency Code Key		
	Scale Value	Definitions: The Individual
Task Performance Levels	1	Can do simple parts of task. Needs to be told or shown how to do most of the task. (Extremely Limited)
	2	Can do most parts of the task. Needs only help on the hardest parts. (Partially Proficient)
	3	Can do all parts of the task. Needs only a spot check of completed work. (Competent)
	4	Can do the complete task quickly and accurately. Can tell or show other how to do the task. (Highly Proficient)
*Task Knowledge Levels	a	Can name parts, tools and simple facts about the task. (Nomenclature)
	b	Can determine step by step procedures for doing the task. (Procedures)
	c	Can identify why and when the task must be done and why each step is needed. (operating Principles)
	d	Can predict, isolate and resolve problems about the task. (Advanced Theory)
**Subject Knowledge Levels	A	Can identify basic facts and terms about the subject. (Facts)
	B	Can identify relationship of basic facts and state general principles about the subject. (Principles)
	C	Can analyze facts and principles and draw conclusions about the subject. (Analysis)
	D	Can evaluate conditions and make proper decisions about the subject. (Evaluation)
<p>Explanations:</p> <p>"*" A task knowledge scale value may be used alone or with a performance scale value to define a level of knowledge for a specific task. (Example: b and 1b)</p> <p>"**" 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 task.</p> <p>"-" This mark is used alone instead of a scale value to show that no proficiency training is provided in the course or CDC.</p> <p>"X" This mark is used alone in course columns to show that training required but not given due to limitations in resources.</p> <p><b>Note for Core/Wartime Task (Column 2):</b>            Items in Core/Wartime Tasks column marked with a symbol/character (5 or 7) are mandatory "core" tasks that must be completed before the next skill level can be awarded. Required up-grade training "core task(s)" identified by local unit, as "not available for training" must be annotated in TBA. Comments regarding training availability may also be annotated in TBA. The 5- or 7-skill level can then be awarded when all other training and core tasks are complete.</p>		

**STS 2T3X7**

1. Tasks, Knowledge And Technical References	2. Core/ War-time Tasks (See Note)	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided		
		A	B	C	D	E	A 3-Skill Level	B 5-Skill Level	C 7-Skill Level
		Tng Start	Tng Compl	Trainee Initials	Trainer Initials	Cert Initials	Course	CDC	Course
<b>1. CAREER PATH IN VEHICLE Management</b> TR: AFI 36-2101, AFECD							-	B	-
<b>2. SPECIFIC OPERATION SECURITY (OPSEC) VULNERABILITIES OF AFSC 2T3X7</b> TR: AFI 10-701							A	B	-
<b>3. AF OCCUPATIONAL SAFETY AND HEALTH (AFOSH) PROGRAM</b> TR: AFIs 32-2001, 32-7042, 32-7080, 90-803, 91-202, 91-302; Applicable AFOSH STDS; TOs 34-1-3, 36-1-191									
3.1. Practice Personnel And Shop Safety							-	b	-
3.2. Hazards of AFSC 2T3X7							-	B	-
3.3. AFOSH Standards For AFSC 2T3X7							-	B	-
3.4. Initial Federal Hazard Communication Training Program							A	-	-
<b>3.5. Environmental Compliance</b>									
3.5.1. Hazardous Waste Management							-	B	-
3.5.2. Pollution Prevention							-	B	-
3.5.3. Waste Minimization							-	B	-
3.5.4. Hazardous Material Management							-	B	-
<b>4. VEHICLE MANAGEMENT</b> TR: AFIs 10-201, 23-302, 36-2101, 38-101, 38-201, 65-601V1; AF Manpower Standard 42B1									
4.1. Identify Vehicle Management Manning Requirements							-	b	b
4.2. Prepare Budget/ Financial Plan Inputs	7						-	b	2b
<b>4.3. Vehicle Management Support of Contingency Operations</b>									
4.3.1. Policy							-	A	B
4.3.2. Organization							-	A	B
4.3.3. Responsibility							-	A	B
4.3.4. Status of Resources and Training System (SORTS)							-	B	-
<b>5. POLICIES, PROCEDURES, AND RESPONSIBILITIES</b> TR: AFI 23-302; AFMANs 23-220, 64-124; AFMAN 24-306; AFCSM 24-1; DOD Directives 4500.36R, 5500.7; TOs 00-35D-54, 35-1-24, 35-1-25, 35-1-26, 36-1-7, 36-1-191; Command Directives									
5.1. LRS and Vehicle Management Structure							B	B	-

**STS 2T3X7**

1. Tasks, Knowledge And Technical References	2. Core/War-time Tasks (See Note)	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided		
		A	B	C	D	E	A 3-Skill Level	B 5-Skill Level	C 7-Skill Level
		Tng Start	Tng Compl	Trainee Initials	Trainer Initials	Cert Initials	Course	CDC	Course
<b>5.2. Vehicle Management Responsibilities</b>									
5.2.1. VFM/VMS							B	B	-
5.2.2. Vehicle Management & Analysis							B	B	-
5.2.3. Materiel Control							B	B	-
5.2.4. Work Center Supervisor							B	B	-
<b>5.3. Administer Policies/Procedures</b>									
5.3.1. Track Accident/Abuse Programs	5						-	b	-
5.3.2. Limited Technical Inspection (LTI)	5						B	B	-
5.3.3. Replacement Codes							B	B	-
5.3.4. Cannibalization Procedures	5						B	b	-
5.3.5. Develop Depot Maintenance Plan	7						-	b	2b
5.3.6. Vehicle Add-ons							-	B	-
5.3.7. Vehicle/Equipment Storage							-	B	-
5.3.8. Corrosion Control							-	B	-
<b>5.3.9. Vehicle Authorizations</b>									
5.3.9.1. Request Coordination							-	B	-
5.3.9.2. Review/Validate Request	7						-	-	-
5.3.10. Vehicle/Part Warranty	5						B	B	-
5.3.11. Vehicle Identification Link (VIL) Key							-	-	-
5.3.12. Manage TCTOs/ Service Bulletins/ Manufacturer's Recalls/One-Time Inspections	7						-	b	2b
<b>5.3.13. Contract Programs</b>									
5.3.13.1. AF Form 9							-	B	-
5.3.13.2. Blanket Purchase Agreements							-	B	-
5.3.13.3. Government Purchase Card (GPC)							-	B	-
<b>5.3.14. Rental/Lease Vehicles</b>									
5.3.14.1. Short Term							-	B	-
5.3.14.2. Long Term							-	B	-
5.3.14.3. Lease with Option to Buy							-	B	-
5.3.14.4. General Services Administration (GSA) Vehicle Management							-	-	-
<b>5.3.15. Manage Delayed Maintenance Program</b>									
5.3.15.1. Maintenance/Parts	5						B	b	-
5.3.15.2. NMCS	5						B	B	-
5.3.15.3. Reconcile Delayed Maintenance Files	5						2b	b	-
<b>5.3.16. Deficiency Reporting</b>									
5.3.16.1. Deficiency Report Overview	5						B	b	-
5.3.16.2. Prepare Deficiency Reports	5						-	b	2b

**STS 2T3X7**

1. Tasks, Knowledge And Technical References	2. Core/War-time Tasks (See Note)	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided		
		A	B	C	D	E	A 3-Skill Level	B 5-Skill Level	C 7-Skill Level
		Tng Start	Tng Compl	Trainee Initials	Trainer Initials	Cert Initials	Course	CDC	Course
<b>5.3.17 Annual Code Validation</b>									
5.3.17.1. Perform Reimbursable /Distributable (R/D)	5						-	b	-
5.3.17.2. Perform Responsibility Center/Cost Center (RC/CC)	5						-	b	-
5.3.17.3. Master Nuclear Certification List (MNCL)	5						A	B	-
<b>5.3.18. Vehicle Control Program</b>									
5.3.18.1. VCO/VNCO Program	5						B	B	-
5.3.18.2. Conduct Vehicle Assessments	5						-	b	-
5.3.18.3. Perform Unit Assistance Visit	5						-	b	-
5.3.19.4. Coordinate Vehicle Rotations	5						-	b	-
<b>5.3.19. Official Travel</b>									
5.3.19.1. Toll Tickets							-	-	-
5.3.19.2. Fleet Fuel/Service Card	7						B	B	B
<b>5.4. Vehicle Priorities</b>									
<b>5.4.1. Mission Essential Level (MEL) and priority recall listing (VPRL)</b>									
5.4.1.1. Develop MEL	7						b	b	-
5.4.1.2. Conduct VPRL	5						B	b	-
<b>6. MATERIEL CONTROL TR: AFI 23-302; AFMAN 23-110 Vol 2, PT13; AFCSM 24-1; Supply Publication FEDLOG</b>									
6.1. Federal Supply System							-	B	-
<b>6.2. Determine Supply Requirements</b>									
6.2.1. Bench Stock							-	B	-
6.2.2. Adjusted Stock Level							-	B	-
6.2.3. Working Stock							-	B	-
6.2.4. Repair Cycle Support							-	B	-
6.3. Supply Management Products/Listings							-	B	-
6.4. Management Of Tires And Batteries							-	B	-
6.5. Initiate Requisitions/AF Form 2005	5						-	b	-
<b>6.6. Mission Impaired Capability Waiting Parts (MICAP) Process TR: AFMAN 23-110</b>									
6.6.1. Create MICAP Due-Out	5						-	b	-
6.6.2. Delete MICAP Due-Out	5						-	b	-
6.6.3. Determine Parts Requisition Priorities (SRD, FAD, UJC)	5						-	b	-
<b>6.7. Repair Cycle Process TR: AFMAN 23-110; TOs 00-20-3, 00-35D-54; AFI 23-302</b>									
6.7.1. Review Repair Cycle Asset Management Listing (D23)	5						-	b	-

**STS 2T3X7**

1. Tasks, Knowledge And Technical References	2. Core/War-time Tasks (See Note)	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided		
		A	B	C	D	E	A 3-Skill Level	B 5-Skill Level	C 7-Skill Level
		Tng Start	Tng Compl	Trainee Initials	Trainer Initials	Cert Initials	Course	CDC	Course
6.7.2. Perform Due-In From Maintenance (DIFM) Reconciliation	5						-	b	-
6.7.3. Process DIFM Status Codes	5						-	b	-
6.7.4. Turn-In Repair Cycle	5						-	b	-
<b>6.8. Turn-In Process</b> TR: AFMAN 23-110, AFI 23-302									
6.8.1. Consumables/Expendables Turn-in							-	B	-
<b>6.9. Process Inquiries</b> TR: AFMAN 23-110, AFI 23-302, ES-S User's Guide									
6.9.1. Process Consolidated Transaction History (CTH)	5						-	b	-
6.9.2. Process Discoverer Queries	5						-	b	-
<b>7. PRODUCTION CONTROL AND WORKLOAD SCHEDULING</b> TR: AFI 23-302; AFCSM 24-1									
<b>7.1 Perform Scheduled Maintenance</b>									
7.1.1 Scheduled/Special/ Concurrent Inspections	5						b	b	-
7.1.2 TCTOs/Service Bulletins/Manufacturer's Recalls/One-Time Inspections	5						b	b	-
7.1.3 Develop Long Range Scheduled Maintenance Plan	7						a	b	-
7.1.4 Mileage Estimator	5						b	b	-
7.2. Control Work Flow	5						b	b	-
<b>7.3. Vehicle Status Control Board</b>									
7.3.1. Coordinate Status							-	-	-
7.3.2. Update Vehicle/ Equipment Status	5						2b	-	-
7.3.3. Perform/Reconcile Yard Check	5						-	b	-
7.3.4. Prepare Control Board Vehicle Status Reports	5						2b	-	-
7.4. Coordinate Mobile Maintenance							-	-	
<b>8. DATA COLLECTION AND PROCESSING</b> TR: AFI 23-302; AFMAN 23-110; AFCSM 24-1; TOs 00-35D-54, 36-1-191; VMIF									
<b>8.1. Annotate Source Documents</b>									
8.1.1. Vehicle/Equipment Work Orders	5						2b	-	-
8.1.2. Operator Inspection Guide	5						2b	-	-
8.1.3. Delayed Maintenance/NMCS	5						2b	-	-
8.1.4. Labor Hour Accounting	5						2b	-	-
8.1.5. Assign System Codes	5						1a	-	-

**STS 2T3X7**

1. Tasks, Knowledge And Technical References	2. Core/ War-time Tasks (See Note)	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided		
		A	B	C	D	E	A 3-Skill Level	B 5-Skill Level	C 7-Skill Level
		Tng Start	Tng Compl	Trainee Initials	Trainer Initials	Cert Initials	Course	CDC	Course
<b>8.2. Process OLVIMS Parameters</b>									
8.2.1. Begin Day/ End of Day	5						2b	-	-
8.2.2. New Month	5						2b	-	-
8.2.3. End of Month	5						2b	-	-
8.2.4. OLVIMS Partial Archive (Sneaker LAN)							-	-	-
<b>8.3.Establish/Process/Update Records for OLVIMS / Logistics Installation Management Systems-Enterprise View Vehicle View (LIMS-EV VV)</b>									
<b>8.3.1. Vehicle Receipts</b>									
8.3.1.1. Load OLVIMS Vehicle/Equipment Record	5						2b	b	-
<b>8.3.1.2. LIMS-EV VV Vehicle Receipt</b>									
8.3.1.2.1 Registered Assets	5						2b	b	-
8.3.1.2.2 Lease Assets	5						2b	b	-
<b>8.3.2. Vehicle Rotations</b>									
8.3.2.1. OLVIMS Vehicle/Equipment	5						2b	b	-
8.3.2.2. LIMS-EV VV Vehicle/Equipment	5						2b	b	-
<b>8.3.3. Vehicle Shipment/DRMS</b>									
8.3.3.1. OLVIMS Vehicle/Equipment	5						2b	b	-
8.3.3.2. LIMS-EV -VV Vehicle Shipment	5						2b	b	-
8.3.3.3. LIMS-EV VV DRMS Vehicles	5						2b	b	-
<b>8.3.4. OLVIMS Master Records</b>									
<b>8.3.4.1. Vehicle/Equipment</b>									
8.3.4.1.1. Vehicle Add-On Equivalent	5						2b	b	-
8.3.4.2. Employee	5						2b	b	-
8.3.4.3. High Cost Bench Stock	5						-	b	-
8.3.4.4. Organizational Code Table							-	-	-
8.3.4.5. Work Center Table							-	-	-
<b>8.4. Process Daily Inputs</b>									
<b>8.4.1. Work Orders</b>									
8.4.1.1 Work Order (W/O) Knowledge	5						2b	-	-
8.4.1.2. W/O Unscheduled	5						2b	-	-
8.4.1.3. W/O Scheduled	5						2b	-	-
8.4.1.4. W/O Accident, Abuse	5						2b	-	-
8.4.1.5. W/O Warranty	5						2b	-	-
8.4.1.6 W/O Service Bulletin, TCTOTCTO	5						2b	-	-
8.4.1.7. W/O 4000/5000	5						2b	-	-
8.4.1.8. W/O Contract	5						2b	-	-
8.4.1.9 W/O Delay	5						2b	-	-
8.4.1.10. W/O VDP, On/Off	5						2b	-	-
8.4.2. Commercial Parts Issues	5						2b	-	-
8.4.3. Delayed Maintenance/NMCS	5						2b	-	-
8.4.4. Labor Hour Accounting	5						2b	-	-

**STS 2T3X7**

1. Tasks, Knowledge And Technical References	2. Core/War-time Tasks (See Note)	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided		
		A	B	C	D	E	A 3-Skill Level	B 5-Skill Level	C 7-Skill Level
		Tng Start	Tng Compl	Trainee Initials	Trainer Initials	Cert Initials	Course	CDC	Course
8.4.5. Parts Transactions	5						2b	-	-
8.4.6. Errors/Rejects ("TD")	5						2b	-	-
8.4.7. Fuel Transactions	5						2b	-	-
8.4.8. Validate/Edit Input/Output (PCN-5)	5						2b	-	-
8.4.9. Back-Up/Restore Data	5						2b	b	-
8.4.10. Generate Output Products	5						2b	-	-
<b>8.5. OLVIMS Monthly Processing Actions</b>									
8.5.1. Generate Monthly Products	5						-	b	-
8.5.2. Refundable/ Reimbursement List	7						-	b	b
<b>8.6. OLVIMS Quarterly Processing Actions</b>									
8.6.1. Enter Quarterly Corrections	5						-	b	-
8.6.2. Generate Quarterly Products	5						-	b	-
<b>8.7. Management Software</b>									
8.7.1. Load OLVIMS	5						-	b	-
8.7.2. Update OLVIMS Release	5						-	b	-
8.7.3. Recover OLVIMS System							-	B	-
<b>8.8. Limited Technical Inspection (LTI)</b>									
8.8.1. Fundamentals							B	B	-
8.8.2. Prepare/Update LTI	5						2b	-	-
8.8.3. Determine Vehicle Repair Authority	5						-	-	-
8.8.4. Process LTI	5						-	-	-
<b>8.9. Data Systems Reconciliation</b>									
8.9.1. Vehicle Management Index File	7						-	b	-
<b>9. DATA INTERPRETATION, ANALYSIS, AND PRESENTATION TR: AFIs 23-302; AFP 36-2241; AFCSM 24-1; Commercial Manuals</b>									
<b>9.1. Extract Data From Vehicle Management Products</b>									
9.1.1. MC Report	5						2b	b	-
9.1.2. Delayed Maintenance	5						2b	b	-
9.1.3. Scheduled Maintenance Report	5						2b	b	-
9.1.4. Master Lists	5						2b	b	-
9.1.5. Work Order Master List	5						2b	b	-
9.1.6. Excessive Labor Hour Report/Accident, Abuse and Uneconomical Repair Work Orders	7						-	b	-
9.1.7. Monthly Listings	7						-	b	2b
9.1.8. Quarterly Listing	7						-	b	2b
9.1.9. Inquiries	7						-	-	-
9.1.10. "Canned" Retrievals	7						-	-	-

**STS 2T3X7**

1. Tasks, Knowledge And Technical References	2. Core/War-time Tasks (See Note)	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided		
		A	B	C	D	E	A 3-Skill Level	B 5-Skill Level	C 7-Skill Level
		Tng Start	Tng Compl	Trainee Initials	Trainer Initials	Cert Initials	Course	CDC	Course
9.1.11. Develop Retrievals	7						-	-	
9.1.12. Vehicle Authorization List (VAL)	5						2b	b	2b
9.1.13. Base Master Vehicle Authorized/Assigned Report	5						2b	-	2b
9.1.14. Vehicle Allocation/ Due-In Listing	7						2b	b	-
9.1.15. Vehicle Custodian Authorization/Custody Receipt Listing (CA/CRL)	5						2b	b	2b
9.1.16. Annual Vehicle Buy Plan/Program							-	-	-
<b>9.2. Analyze Vehicle Management Products</b>									
9.2.1. Fundamentals of Analysis Process							-	B	-
9.2.2. Control Charts							-	-	-
9.2.3. Vehicle Utilization	7						-	b	2b
9.2.4. Vehicle Rotation	7						-	b	2b
9.2.5. Vehicle Authorization Analysis	7						-	-	-
<b>9.3. Presentations</b>									
9.3.1. Develop Visual Media							-	b	-
9.3.2. Write Narratives to Support Studies/Analysis							-	b	-
<b>10. SUPERVISION AND TRAINING TR: AFI 23-302, 36-2201, 38-101, 36-2101; AFPs 36-2241, 36-2618; ETCA</b>									
<b>10.1. Supervision</b>									
10.1.1. Supervise Personnel							-	-	-
10.1.2. Evaluate Personnel Performance							-	-	-
<b>10.2. Training</b>									
10.2.1. Evaluate/Resolve Personnel Training Needs							-	-	-
10.2.2. Prepare Job Qualification Standards							-	-	-
10.2.3. Motivate Trainers And Trainees							-	-	-
10.2.4. Counsel Trainers And Trainees On Training Progress							-	-	-
<b>10.3. Monitor Effectiveness Of:</b>									
10.3.1. Career Knowledge Upgrade Training							-	-	-
10.3.2. Job Proficiency Upgrade Training							-	-	-
10.3.3. Qualification Training							-	-	-
10.4. Maintain Training Records	7						-	-	-
10.5 Evaluate Effectiveness of Training Programs							-	-	-
10.6 Recommend Personnel for Training TR: ETCA							-	-	-
<b>11. WRM Vehicle Program TR: AFI 25-101, TO 36-1-191</b>									
11.1. Fundamentals							-	B	B
11.2. Implement	7						-	b	b

**SECTION B, Course Objective List.** This area is reserved.

**SECTION C, Support Material.** There are currently no support material requirements. This area is reserved.

**SECTION D, Training Course Index.** See the following list of available courses for broadening and expanding career field knowledge. Refer to Education and Training Course Announcements (ETCA) at website <https://etca.randolph.af.mil/> for information on all courses listed in this index

**AIR FORCE IN-RESIDENCE COURSES**

<i>Course Number</i>	<i>Course Title</i>	<i>Location</i>
*L9AQN2T331 00AA *L9AQN2T332A00AA *L9AQN2T332C00AA	Inter-service Mechanic Apprentice Course(s). *These courses are the Air Force/Navy “common core” “qualifying courses for the 3 level” AFSC awarding courses.	Port Hueneme CA
L3ABP2T331 00AA	Vehicle and Equipment Maintenance Apprentice	Port Hueneme CA
L3ABP2T332A00AA	Specialized Vehicle Maintenance Apprentice, Fire Trucks	Port Hueneme CA
L3ABP2T332C00AA	Specialized Vehicle Maintenance Apprentice, MHE	Port Hueneme CA
L3ABP2T337 00AA	Vehicle Management and Analysis Apprentice	Port Hueneme CA
L3AZP2T390 00AA	Vehicle Management Superintendent	Port Hueneme CA
L3AZP2T351 00AA	Diesel Engine Maintenance	Port Hueneme CA
L3AZP2T352A19PA	A/S32P-19 Fire Truck O/I Maintenance	Port Hueneme CA
L3AZP2T352A23PA	A/S32P-23 Fire Truck O/I Maintenance	Port Hueneme CA
L3AZP2T351 02AA	Automatic Transmission/Transaxle/Transfer Case Maintenance	Port Hueneme CA
L3AZP2T351 03AA	Steering, Suspension, Wheel Alignment, and Anti-Lock Brakes	Port Hueneme CA
L3AZP2T351 05AA	Vehicle Diagnostic Test Equipment and Electrical Systems	Port Hueneme CA

**AIR FORCE MOBILE TRAINING TEAM (MTT) COURSES:**

<i>Course Number</i>	<i>Course Title</i>
L7AZT2T352A19PA	A/S 32P-19 Fire Truck O/I Maintenance
L7AZT2T352A23PA	A/S 32P-23 Fire Truck O/I Maintenance
L7AZT2T352C25KA	FMC Halvorsen 25K Cargo Loader Maintenance
L7AZT2T352C60KA	Systems and Electronics Inc. 60K Cargo Loader Maintenance
L7AZT2T351 00AA	Vehicle Air Conditioning Systems
L7AZT2T351 01AA	Condor Deicing Platform Maintenance
L7AZT2T351 02AA	Global Deicer Maintenance

**MAJCOM COURSES:** As determined by the MAJCOMs.

<i>Course Number</i>	<i>Course Title</i>	<i>MAJCOM</i>
365PAC2T35X-001	Automotive Brake Systems	PACAF
365PAC2T35X-002	Diagnostic Test Equipment	PACAF
365PAC2T35X-003	Automatic Transmissions	PACAF
365PAC2T35X-004	Quality Assurance Fundamentals	PACAF
365PAC2T35X-006	Automotive Electrical System Principles	PACAF
365PAC2T35X-007	Automotive Air Conditioning	PACAF
365PAC2T35X-008	Diesel Engine Computer Mgmt System	PACAF
365PAC2T35X-009	War Readiness Materiel Vehicle Storage	PACAF

365PAC2T35X-010	Vehicle Mgt Craftsman Supervisor	PACAF
365PAC2T35X-011	Automotive Computer Systems	PACAF
365PAC2T35X-012	MRAP ATV (MATV) Field Level Maint.	PACAF
365PAC2T35X-013	Mine Resistant Ambush Protected Maint.	PACAF
365PAC2T35X-014	Welding Fundamentals	PACAF
365PAC2T35X-015	Vehicle Mgt Journeyman Supervisor	PACAF
3C5AFE2T35X 001	Brakes/Suspension Systems	USAFE
3C5AFE2T35X 003	Automatic Transmissions Course	USAFE
3C5AFE2T35X 006	Automotive Electrical System PRC	USAFE
3C5AFE2T35X 007	Automotive Air Conditioning	USAFE
3C5AFE2T35X 008	Diesel Engine Fuel Systems	USAFE
3C5AFE2T35X 010	Vehicle Maintenance Supervisor Course	USAFE
3C5AFE2T35X 011	Computerized Engine Controls	USAFE
3C5AFE2T3X7 004	VM&A Fleet Management Functions	USAFE
3C5AFE2T3X7 005	VM&A Analysis/Workload Control	USAFE

**OTHER GENERAL COURSES:**

<i>Course Number</i>	<i>Course Title</i>
L6ACW2T370 00AA	Vehicle Management Craftsman Course

**SECTION E, MAJCOM Unique Requirements.**

<i>Course Title</i>	<i>MAJCOM</i>
Lightweight Tactical All Terrain Vehicle (LTATV) Mechanics Course	AFSOC
Non-Standard Commercial Vehicle (NSCV) Mechanics Course	AFSOC
All Terrain Vehicle (ATV) Mechanics Course	AFSOC