

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

**CFETP 2T3X1C1**  
**Parts I and II**  
**01 Dec 2016**  
**Change Date**  
**16 May 2018**

**Air Force Specialty Code (AFSC) 2T3X1**  
**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 2T3X1**

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OPR: 344 TRS/TRRP (DSN 473-4937)

Certified By: CMSgt Joseph Frongillo (HQ USAF/A4LR)

Supersedes: CFETP 2T3X1, 01 December 2016

Number of Pages: 56

# VEHICLE MANAGEMENT SPECIALTIES

## AFSC 2T3X1 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. 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. 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.
3. 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.
4. 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 <https://mypers.af.mil> (At the home page, search AFECD in the search field.)

**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 <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.

**Financial Improvement Audit Readiness (FIAR).**

**Fleet Management Information System (FMIS).**

**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.

**Government Purchase Card (GPC).** More information found at [http://www.acq.osd.mil/dpap/pdi/pc/policy\\_documents.html](http://www.acq.osd.mil/dpap/pdi/pc/policy_documents.html)

**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.

**Interservice Training Review Organization (ITRO).** The Interservice Training Review Organization (ITRO) was established in 1972 in response to concern expressed by the Government Accounting Office that the Services were not accomplishing significant consolidations of training courses as required by the 1964 Joint Chiefs of Staff Memorandum of Policy 148.

**Joint Deficiency Reporting System (JDRS).**

**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.

**Materiel Management System (MMSYS).**

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

**Occupational Analysis Report (OAR).** 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.

**Test, Measurement and Diagnostic Equipment (TMDE).**

**Total Force.** All collective 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.mv.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-skill 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 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. Qualification training (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 for selected Airmen. Proficiency training is additional training, either in-residence or exportable advanced training courses or OJT. It is provided to personnel to increase their skills and knowledge beyond the minimum required for upgrade. The CFETP has several purposes to include:

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. (3) NOTE: The Air Force District of Washington (AFDW) serves as the MFM for personnel assigned to Air Force Elements (AFELM).

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 compliment 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 2T3X1 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. MISSION GENERATION VEHICULAR EQUIPMENT MAINTENANCE:**

AFSC 2T371, Craftsman

AFSC 2T351\*, Journeyman

AFSC 2T331\*, Apprentice

AFSC 2T311\*, Helper

Ref: AFECD

**4.1.1. Specialty Summary.** Supervises and performs vehicle maintenance activities on military and commercial design general and special purpose, base maintenance, aircraft and equipment towing vehicles, fire fighting vehicles or Material Handling Equipment (MHE) and vehicular equipment. Activities include inspection, diagnostics, repair, rebuild of components and assemblies, fabrications of parts weld metals, and repair vehicle glass. Ensures compliances with vehicle maintenance policies, directives, and procedures. Related DoD Occupational Subgroup: 161000 & 195000.

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

**4.1.2.1.** 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 Aerospace Expeditionary Force (AEF) Reporting Tool. Determines the overall mechanical condition of vehicles and equipment, diagnoses component malfunction and initiates repair actions. Systematically analyzes malfunctions by visual and auditory examination or through the use of test equipment. Troubleshoot, 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. 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. Cuts, grinds, bevels and smooths the edges of laminated automotive glass/Plexiglas 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 vehicle parts and accessories using oxyacetylene, gas-shielded and arc welding.

4.1.2.2. 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. 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. 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 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. 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 purposes.

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

#### 4.1.3. Specialty Qualifications:

4.1.3.1. **Knowledge.** Knowledge is mandatory of: heavy equipment vehicle theory, 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.** Completion of the following training is mandatory for the award of the AFSC indicated:

4.1.3.3.1. 2T331, 2T331A & 2T331C Completion of the Interservice Training Review Organization apprentice course.

4.1.3.3.2. 2T331, Mission Generation Vehicular Equipment Maintenance apprentice course.

4.1.3.3.3. 2T331A. Firefighting and Refueling Vehicle & Equipment Maintenance apprentice course.

4.1.3.3.4. 2T331C. Material Handling Equipment (MHE)/463L Maintenance apprentice course.

4.1.3.4. **Experience.**

4.1.3.4.1. For award of AFSC 2T371, qualification in and possession of AFSC 2T351, 2T351A or 2T351C and applicable core tasks 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.

4.1.3.4.2. For award of AFSC 2T351, qualification in and possession of AFSC 2T331 and applicable core tasks is mandatory. Also, experience is mandatory in functions such as inspecting, repairing or maintaining vehicles and vehicular equipment.

4.1.3.4.3. For award of AFSC 2T351A/C, qualification in and possession of AFSC 2T331A/C and applicable core tasks is mandatory. Also, experience is mandatory in the functions of inspecting, maintaining, or repairing specialized vehicles and 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*.

4.1.3.5.2. 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. Must possess a valid state driver's license to operate GMVs for "Maintenance Purposes Only" in accordance with AFI 24-301.

4.1.3.5.2.3. Must maintain local network access IAW AFMANs 33-152, *User Responsibilities and Guidance for Information Systems* and 33-282, *Computer Security*.

4.2. **\*Specialty Shredouts**

<u>Suffix</u>	<u>Portion of AFS to Which Related</u>
A	Firefighting and Refueling Vehicle & Equipment Maintenance
C	Material Handling Equipment /463L Maintenance

### 4.3 VEHICLE MANAGEMENT

CEM Code 2T300

AFSC 2T390, Superintendent

Ref: AFECD

4.3.1. **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.

4.3.2. **Duties and Responsibilities:**

4.3.2.1. 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 Aerospace Expeditionary Force (AEF) Reporting Tool.

4.3.2.2. Ensures accountability for vehicle fleet, tools, equipment, space, supplies and facilities. Monitors and validates vehicle authorizations, new vehicle requests, 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.

4.3.2.3. 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.

4.3.3 **Specialty Qualifications:**

4.3.3.1 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 deficiency reporting systems; FMIS; materiel management procedures and allowances standards; training requirements and programs; Air Force manpower standards and their application; facility requirements; and safety and environmental standards.

4.3.3.2 **Education.** Not used.

4.3.3.3 **Training.** Not used.

4.3.3.4 **Experience.** Qualification in and possession of AFSC 2T371/77. Also, experience is mandatory managing functions such as vehicle maintenance and fleet management activities.

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

4.3.3.5.1 Must possess a valid state driver's license to operate government motor vehicles (GMV) in accordance with AFI 24-301, *Vehicle Operations*.

4.3.3.5.2 Must possess a valid state driver's license to operate GMVs and vehicular equipment for "Maintenance Purposes Only" in accordance with AFI 24-301.

4.3.3.5.3 For award and retention of these AFSCs, must maintain local network access IAW AFMANs 33-152, *User Responsibilities and Guidance for Information Systems* and 33-282, *Computer Security*.

**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 2T3X1 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 2T3X1 AFSCs.

**5.2 Journeyman (5-skill level):** Once upgraded to the 5-skill levels, journeymen will enter into continuation training to broaden their experience base. Typical job positions for 5-skill levels include positions requiring supervisory skills such as OJT trainer, quality assurance inspector and materiel control or section supervisor. 5-skill 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 24-302 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 2T3X1 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 2T3X1 formal schools. Personnel are encouraged to take courses to obtain added knowledge on management of resources and personnel. Continue academic education through CCAF and higher degree programs. In addition, eligible individuals will complete Enlisted PME developmental courses.

**5.4 Superintendent (9-skill level):** A 9-skill 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 February 2015 at Naval Base Ventura County, Port Hueneme, California.

**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, 2T351A and 2T351C are required to complete CDC sets 2T351N and 2T351O prior to taking their AFSC specific volume(s). Note: When proficiency codes identified in Part II of this CFETP, which are common to all AFSCs (2T351, 2T351A and 2T351C), the required material will be included in CDC sets 2T351N and 2T351O. Completion of 7 level CDCs is required for award of AFSC 2T371.

ELECTRONIC CDC COURSE NUMBERS								
AFSC			2 T 3 5 1 N	2 T 3 5 1 O	2 T 3 5 1 P	2 T 3 5 2 N	C 2 T 3 7 5 1	2 T 3 7 0 N
		2T331	•	•	•			
		2T331A	•	•		•		
		2T331C	•	•			•	
		2T351						•
		2T351A						•
		2T351C						•

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

**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, 2T3X1A, 2T3X1C and 2T371.

**7.3.1. Degree Requirements.** All Airmen are automatically entered into the CCAF program. Prior to completing an associate's degree, the 5-skill 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 Speech	3
Written Communication English Composition	3
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	

7.3.10. 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.

## 8. Vehicle Management Human Resource Strategic Path

		VEHICLE MANAGEMENT (2T3X1, 2T3X1B, 2T3X1C, 2T3X7) HUMAN RESOURCE STRATEGIC PATH	
		GOAL: To forecast force requirements and deliberately develop Airmen to meet Joint/TFI/CCMD mission needs while simultaneously providing meaningful career navigation for members to value	
Strategic	Operational	<p><b>DUTY TITLE:</b> Career Field Manager, MAJCOM AFFOR Functional Manager, Vehicle Fleet Manager, Vehicle Management Superintendent, Flight Chief</p> <p><b>VM DEVELOPMENTAL:</b> VSCOS, HAF, AFCEM, AFPC, AFIMSC, 7AF, VRS, Non-AETC Advance training (ETTC/PTTC), Tech School Superintendent, RED HORSE</p>	<p><b>SENIOR DEVELOPMENTAL EDUCATION:</b> Chief Leadership Course (CLC), MAJCOM Chief's Orientation, SNCO Academy (In-Residence), SEJPME Course II, Professional Manager's Certification Program, Continued Off-duty Education that enhances leadership/job performance</p>
	Tactical/Operational	<p><b>DUTY TITLE:</b> Flight Chief, Vehicle Management Superintendent, Section Chief, NCOIC, Supervisor, Craftsman</p> <p><b>FUNCTION:</b> Maintenance Ops, Fleet Management Techniques, Customer Service, Training &amp; Support, LRS QA, Non-AETC Advance training (ETTC/PTTC)</p> <p><b>VM DEVELOPMENTAL:</b> Joint Assignments, Functional Area Manager, VSCOS, AFIMSC, 7AF, VRS, Inspector General</p> <p><b>AF SPECIAL DUTY:</b> Military Training Instructor, 1st Sgt, Recruiter, NCOA Instructor</p>	<p><b>VM PROFESSIONAL EDUCATION:</b> Vehicle Mgt Superintendent, FAM's Course, Contingency Wartime Planning Course, ASE Certifications, Enlisted-to-AFIT: LOG 099 Fundamentals of Logistics, LOG 199 Introduction to Logistics, LOG 299 Combat Logistics</p> <p><b>DEVELOPMENTAL EDUCATION:</b> SNCOA (Correspondence), AU-ABC Degree, SEJPME Course I, Air Force Credentialing Opportunities (AFCOOLS), Continued Off-duty Education that enhances leadership/job performance</p>
	Tactical	<p><b>DUTY TITLE:</b> NCOIC, Maintenance Supervisor, Fleet Management Supervisor, Craftsman, Journeyman</p> <p><b>FUNCTION:</b> Fire Truck and Refueling Maintenance, Allied Trades, Customer Service, Base Maintenance, Material Handling Equipment, Main Shop, Fleet Management and Analysis, Materiel Control</p> <p><b>AF SPECIAL DUTY:</b> Technical Training Instructor, Base Honor Guard, Amn Leadership School Instructor</p>	<p><b>VM PROFESSIONAL EDUCATION:</b> Contracting Officer Representative Courses, LOG 143 LRS Quality Assurance Evaluator Course (AFIT), ASE Certifications</p> <p><b>DEVELOPMENTAL EDUCATION:</b> NCO Academy, Professional Enhancement Seminars, Airman Leadership School, Community College of the Air Force Degree</p>
	Tactical	<p><b>DUTY TITLE:</b> Journeyman, Apprentice</p> <p><b>FUNCTION:</b> Become AFSC Proficient</p>	<p><b>VM PROFESSIONAL EDUCATION:</b> 7-Level CDCs, 5-Level CDCs, Internal Shop Rotations, Advanced Technical Training, Port Hueneme/ETTC/PTTC Courses</p>

## 8.1 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 and core tasks	A1C	16 months		
	SrA	3 years	28 months	8 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><u>Trainer</u></b> - Recommended by the supervisor Qualified to perform the task being trained  - Attend the Air Force Training Course <u>Certifier</u>  - Minimum rank of SSgt with a 5-skill level or civilian equivalent, capable of evaluating the task being certified and have completed the AFTC. ( <b>Note:</b> Refer to 2T3X1 CFETP Part II, Section A.)			
<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 and core tasks	SSgt	7.5 years	3 years	15 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	20 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>	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-skill level).**

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

10.1.2. **AFSCs 2T331, 2T331A and 2T331C.** 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-skill level must be able to use technical data, common hand tools and special test equipment.

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

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

#### **10.2. Journeyman (5-skill level).**

##### **10.2.1. Qualification and Knowledge.**

10.2.2. **AFSCs 2T351, 2T351A and 2T351C.** In addition to the 3-skill level qualifications, an individual must possess the knowledge and skills necessary to maintain equipment and conduct training classes.

10.2.3. **Training Sources.** The 5-skill 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.

10.2.4. **Implementation.** Training to the 5-skill level is performed at unit-level using STS line items and CDCs. Upgrade to the 5-skill 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.**

10.3.2. **AFSC 2T371** (AFSCs: 2T351A and 2T351C drop shredouts at the 7-skill level). In addition to the 5-skill 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.

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

10.3.4. **Implementation.** Upgrade to the 7-skill level will require completion of the applicable 7-skill level CDCs and completion of all core tasks.

10.4. **Superintendent (9-skill level),** AFSCs 2T371 and 2T377 merge at the 9-skill level.

10.5. **Qualification and Knowledge.** In addition to 7-skill 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.

10.6. **Training Sources.** None.

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

## **SECTION D: RESOURCE CONSTRAINTS**

10.8. **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.

### **11. 3-skill level Training:**

11.1. **Constraints.** None.

11.2. **Note:** CFETP 3-skill level training requirements can be accommodated at this time.  
If additional training is needed, such as wartime surge training, the schoolhouse will require additional resources.

11.3. **Resources Required.** N/A

11.4. **Action Required.** N/A

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

### **12. 5-skill level Training:**

12.1. **Constraints.** None.

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

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

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

**13. 7-Level Training:**

13.1. **Constraints.** None.

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

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

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

**SECTION E: TRANSITION TRAINING GUIDE**

14. AFSCs 2T351, 2T351A and 2T351C merge at the 7-skill level (AFSC 2T371). Prior to award of AFSC 2T371, all personnel will complete 7 level CDCs and enter into a work center rotation plan to gain experience in the merging AFSCs. AFSCs 2T371 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**

**DONALD E. KIRKLAND, Maj Gen, USAF  
Director of Logistics  
DCS/Logistics, Engineering & Force Protection**

## Part II

### **SECTION A: SPECIALTY TRAINING STANDARDS**

MISSION GENERATION VEHICULAR EQUIPMENT MAINTENANCE--FIREFIGHTING AND REFUELING VEHICLE/EQUIPMENT MAINTENANCE--MATERIAL HANDLING EQUIPMENT/463L: APPRENTICE, JOURNEYMAN, AND CRAFTSMAN.

**Implementation.** For AFSCs 2T331 and 2T331C, this STS for technical training provided by AETC applies to all classes entering after 05 April 2017. CDC customer need date 05 June 2017. For AFSCs 2T331A, this STS for technical training applies to all classes entering after 04 August 2017. CDC customer need date 19 October 2017.

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

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 2T3X1/2T3X1A/2T3X1C/2T371 ladders of the Airman Vehicle Management Career Field.

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

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

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.

It is a guide for development of promotion tests used in the WAPS. SKTs are developed at the AETC Airman Advancement Division by senior NCOs with extensive practical experience in their career fields. The tests sample knowledge of STS subject matter areas judged by test development team members as most appropriate for promotion to higher grades. Questions are based upon study references listed in the Enlisted Promotions Resource and Requirements Catalog (EPRRC). Individual responsibilities are in AFI 36-2502, Airman Promotion/Demotion Programs. WAPS is only applicable to active duty personnel.

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

**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*.

The 2T3X1 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- skill level can then be awarded when all other training and core tasks are complete.***

**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 un-archived and moved to an active status IAW the *TBA Application User's Guide*.

**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.

**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 IPT Task instructions.

**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.

**Comments and Recommendations:** Are invited concerning quality of AETC training. Reference specific STS paragraphs and address correspondence regarding changes to 37 TRG/DOS, 1220 Truemper Street, Suite 1, JBSA Lackland, TX 78236-5568. Report inadequacies of this STS through command channels to HQ USAF/A4LR, referencing specific STS paragraphs. A 24-hour customer service information line (CSIL) has been installed for supervisors to conveniently identify over or under training of performance/knowledge items listed in the training standard. For a quick response to any training concern, call CSIL, DSN 473-2917 anytime (day or night) or contact us via email at 37TRG.DOS@us.af.mil.

#### Notes:

Users are responsible for updating training references pending revision of this STS.

All tasks trained by AETC in 3-skill level courses are considered Wartime Tasks.

Items in Core/Wartime Tasks column marked with a symbol/character \* 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.

AFSC Applicability		
Section	Specialty Training Standards	AFSC
1	General Vehicle Management Tasks	2T3X1,A,C
2	General Career Field Tasks	2T3X1,A,C
3	Common Core Tasks	2T3X1,A,C
4	Mission Generation Vehicular Equipment Maintenance	2T3X1, 2T371
5	Firefighting And Refueling Vehicle/Equipment Maintenance	2T3X1A, 2T371
6	Material Handling Equipment/463L	2T3X1C, 2T371
* In “Core Tasks” rows indicates required training for each AFSC and shred outs.		

## 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>		



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

## 1 GENERAL VEHICLE MANAGEMENT TASKS

1.1. Career Path in Vehicle Management TR: AFI 36-2101, Air Force Enlisted Classification Directory (AFECD)									-	-	-	-	-	-
1.2. Vehicle Management (Materiel Control) TR: AFIs 24-302, 23-101; AFMAN 23-122; AFHs 23-123V1, 23-123V2; and WebFLIS									-	-	-	-	-	-
1.2.1 Identify Property Responsibility and Accountability		*							-	-	-	A	-	-
1.2.2. Cross Reference Part Numbers and Stock Numbers		*							-	-	-	b	-	-
1.3. Vehicle Management TR: AFIs 24- 301, 24-302; AFMAN 24-306, 25- 101, 25-201; AFD 24-3; AFCSM 24-1; TO 36-1-191; 49 CFR, Part 571; and DoD 4500.36									-	-	-	-	-	-
1.3.1. Identify									-	-	-	-	-	-
1.3.1.1. Functions of Logistics Readiness									-	-	-	A	-	-
1.3.1.2. Functions of Vehicle Management Activities									-	-	-	A	-	-
1.3.1.3. Contingency Operations and Wartime Requirements Policies			*						-	-	-	A	-	-
1.3.1.4. Responsibilities of Vehicle Management Staff									-	-	-	-	-	B
1.3.2. Develop									-	-	-	-	-	-
1.3.2.1. Budget Inputs with Justification TR: AFI 65-601V1 & V2			*						-	-	-	-	-	b
1.3.3. Interpret Vehicle Management Products TR: AFIs 23-101, 24- 302									-	-	-	-	-	-
1.3.3.1. Base Master Vehicle Authorized/Assigned Report			*						-	-	-	-	-	b
1.3.3.2. Vehicle Authorization Receipt Listing			*						-	-	-	-	-	b
1.3.4. Analyze Vehicle Management Products TR: AFI 24-302; and AFCSM 24-1									-	-	-	-	-	-

1. Tasks, Knowledge And Technical References	2. Core Tasks			3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)					
	A	B	C	A	B	C	D	E	A		B		C	
	3 Level	5 Level	7 Level	Tng Start	Tng Comp.	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC	(1) Course	(2) CDC
1.3.4.1. Vehicle Utilization Report									-	-	-	-	-	b
1.3.4.2. Vehicle Rotation Report									-	-	-	-	-	b
1.3.4.3. Refundable/ Reimbursement List									-	-	-	-	-	b
1.3.5. DOD Fleet Fuel Card Program									-	-	-	-	-	-
1.3.5.1. Fundamentals									-	-	-	-	-	B
1.3.6. WRM Vehicle Program TR: AFI 25-101; and TO 36-1-191									-	-	-	-	-	-
1.3.6.1. Fundamentals									-	-	-	B	-	-
1.3.6.2. Implement									-	-	-	-	-	b
1.4. Maintenance Data Collection TR: AFI 24-302; AFCSM 24-1; and TO 36-1-191									-	-	-	-	-	-
1.4.1. Interpret Maintenance Data Collection Reports			*						-	-	-	b	-	-
1.4.2. Fill Out Maintenance Data Collection Forms		*							-	-	-	b	-	-
1.4.3. Review Monthly Listings									-	-	-	-	-	b
1.4.4. Review Quarterly Listings									-	-	-	-	-	b
1.5. Maintenance Inspections TR: TOs 36-1-191, 33, 35, 36, 38 Series; AF Forms 18XX, 4354, 4355; AFTO Form 91; and Commercial Manuals									-	-	-	-	-	-
1.5.1. Perform Inspections									-	-	-	-	-	-
1.5.1.1. Operator		*							-	-	-	b	-	-
1.5.1.2. Scheduled		*							-	-	-	b	-	-
1.5.1.3. Safety		*							-	-	-	b	-	-
1.5.1.4. Special		*							-	-	-	b	-	-
1.5.1.5. Technical (LTI)		*							-	-	-	b	-	-
1.5.1.6. Quality Assurance			*						-	-	-	-	-	b
1.6. Special Maintenance Policies and Procedures TR: AFI 24-302; TOs 36-1-191, 36A-1-6									-	-	-	-	-	-
1.6.1. Perform Corrosion Control Procedures TR: TOs 36-1-191, 36-1-131									-	-	-	b	-	-
1.6.2. Prepare									-	-	-	-	-	-
1.6.2.1. Vehicles for Storage		*							-	-	-	b	-	-

1. Tasks, Knowledge And Technical References	2. Core Tasks			3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)					
	A	B	C	A	B	C	D	E	A		B		C	
	3 Skill Level		5 Skill Level		7 Skill Level									
	3 Level	5 Level	7 Level	Tng Start	Tng Comp.	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC	(1) Course	(2) CDC
1.6.2.2. Vehicles for Shipment		*							-	-	-	b	-	-
1.6.3. Depot Maintenance Plan TR: AFI 24-302; TOs 00-25-4, 36-1-191									-	-	-	-	-	-
1.6.3.1. Fundamentals									-	-	-	-	-	B
1.6.4. Deficiency Reports TR: TOs 00- 35D-54, 36-1-191									-	-	-	-	-	-
1.6.4.1. Prepare			*						-	-	-	b	-	-
1.6.5. TCTOs/Service Bulletins TR: AFIs 24-302; TO 00-5-15, 36-1-191									-	-	-	-	-	-
1.6.5.1. Fundamentals									-	-	-	B	-	-
1.6.5.2. Monitor									-	-	-	b	-	-
1.6.5.3. Manage									-	-	-	-	-	-
1.6.5.3.1. TCTOs									-	-	-	-	-	-
1.6.5.3.2. Service Bulletins									-	-	-	-	-	-
1.6.5.3.3. Manufacturer's Recalls									-	-	-	-	-	-
1.6.5.3.4. One-Time Inspections									-	-	-	-	-	-
1.6.6. Warranty Policies TR: TO 36-1-191 and Vehicle Owner's Manuals									-	-	-	B	-	-
1.6.7. Winterize Vehicles TR: TO 36-1-191									-	-	-	-	-	-
1.6.7.1. Type A									-	-	-	b	-	-
1.6.7.2. Type B									-	-	-	b	-	-
1.6.7.3. Type C									-	-	-	b	-	-
1.7. Supervision and Training TR: AFIs 24-302, 36-2101, 36-2201, 36-2301, 36-2406, 36-2502, 36-2618, 38-201; AFMANs 36-2236, 36-2643, 38-208; AFMS 42B100; Allowance Standards (ASC); and ETCA									-	-	-	-	-	-
1.7.1. Supervision									-	-	-	-	-	-
1.7.1.1. Coordinate Work with Other Work Centers			*						-	-	-	-	-	b
1.7.1.2. Assign Maintenance Work IAW Priorities			*						-	-	-	-	-	b
1.7.2. Supervise Personnel Performing									-	-	-	-	-	-
1.7.2.1. Maintenance			*						-	-	-	-	-	b
1.7.2.2. Inspection			*						-	-	-	-	-	b

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

1.7.3. Policy Changes On Utilization of Resources TR: AFMS 42B100; and Applicable ASCs (010, 012, 403, 457, etc.)									-	-	-	-	-	-
1.7.3.1. Identify Resource Factors									-	-	-	-	-	-
1.7.3.1.1. Personnel									-	-	-	-	-	b
1.7.3.1.2. Equipment									-	-	-	-	-	b
1.7.3.2. Training									-	-	-	-	-	-
1.7.3.2.1. Evaluate Personnel Training			*						-	-	-	-	-	b
1.7.3.2.2. Plan and Supervise OJT									-	-	-	-	-	-
1.7.3.2.3. Prepare Job Qualification Standard									-	-	-	-	-	-
1.7.3.2.4. Motivate Trainers and Trainees									-	-	-	-	-	-
1.7.3.2.5. Counsel Trainers and Trainees on Training									-	-	-	-	-	-
1.7.3.3. Monitor Effectiveness									-	-	-	-	-	-
1.7.3.3.1. Career Knowledge Upgrade Training									-	-	-	-	-	-
1.7.3.3.2. Job Proficiency Upgrade Training									-	-	-	-	-	-
1.7.3.3.3. Qualification Training									-	-	-	-	-	-
1.7.3.3.4. Maintain Training Records									-	-	-	-	-	-
1.7.3.3.5. Evaluate Effectiveness of Training Programs									-	-	-	-	-	-
1.7.3.3.6. Recommend Personnel for Training TR: ETCA									-	-	-	-	-	-

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

## 2 GENERAL CAREER FIELD TASKS

2.1. Alternative Fuel Vehicles TR: TO 36 Series; and Commercial Manuals									-	-	-	-	-	-
2.1.1. Fundamentals									-	-	-	-	-	-
2.1.1.1. Compressed Natural Gas									-	-	-	B	-	-
2.1.1.2. Electric Drive									-	-	-	B	-	-
2.1.1.3. Fuel Cell									-	-	-	B	-	-
2.1.1.4. Hybrid Vehicles									-	-	-	B	-	-
2.1.1.5. Safety									-	-	-	B	-	-
2.2. Automotive Body and Related Repairs TR: TO 36 Series; and Commercial Manuals									-	-	-	-	-	-
2.2.1. Body and Cab Components									-	-	-	-	-	-
2.2.1.1. Fundamentals									-	-	-	B	-	-
2.2.1.2. Locate Irregularities									-	-	-	-	-	b
2.2.1.3. Estimate Accident Cost									-	-	-	-	-	b
2.2.1.4. Remove and Replace									-	-	-	-	-	-
2.2.1.4.1. Bumpers									-	-	-	-	-	b
2.2.1.4.2. Deck lids									-	-	-	-	-	b
2.2.1.4.3. Doors									-	-	-	-	-	b
2.2.1.4.4. Fenders									-	-	-	-	-	b
2.2.1.4.5. Grills									-	-	-	-	-	b
2.2.1.4.6. Hoods									-	-	-	-	-	b
2.2.1.4.7. Panels									-	-	-	-	-	b
2.2.1.5. Repair General Body Components									-	-	-	-	-	-
2.2.1.5.1. Bump-Out Irregularities									-	-	-	-	-	b
2.2.1.5.2. Shrink Metal									-	-	-	-	-	b
2.2.1.6. Repair Components Using									-	-	-	-	-	-
2.2.1.6.1. Composites									-	-	-	-	-	b
2.2.1.6.2. Fiberglass									-	-	-	-	-	b
2.2.1.6.3. Plastics									-	-	-	-	-	b
2.2.1.7. Fabricate Body Panels and Brackets									-	-	-	-	-	b

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

2.2.2. Trim and Hardware									-	-	-	-	-	-
2.2.2.1. Fundamentals		*							-	-	-	B	-	-
2.2.2.2. Replace and Repair									-	-	-	-	-	-
2.2.2.2.1. Channels									-	-	-	b	-	-
2.2.2.2.2. Dash Pads									-	-	-	b	-	-
2.2.2.2.3. Door Glass Bumpers									-	-	-	b	-	-
2.2.2.2.4. Hinges									-	-	-	b	-	-
2.2.2.2.5. Lock Mechanisms									-	-	-	b	-	-
2.2.2.2.6. Moldings									-	-	-	b	-	-
2.2.2.2.7. Regulators									-	-	-	b	-	-
2.2.2.2.8. Trim Panels and Coverings									-	-	-	b	-	-
2.2.2.2.9. Weather Strips									-	-	-	b	-	-
2.2.2.3. Sewing Machines									-	-	-	-	-	-
2.2.2.3.1. Fundamentals									-	-	-	-	-	-
2.2.2.3.2. Operate									-	-	-	-	-	-
2.2.2.3.3. Operator Maintenance									-	-	-	-	-	-
2.2.2.3.3.1. Adjust									-	-	-	-	-	-
2.2.2.3.3.2. Clean									-	-	-	-	-	-
2.2.2.3.3.3. Lubricate									-	-	-	-	-	-
2.2.2.4. Upholstery & Components									-	-	-	-	-	-
2.2.2.4.1. Fundamentals									-	-	-	B	-	-
2.2.2.4.2. Fabricate									-	-	-	b	-	-
2.2.2.4.3. Inspect									-	-	-	b	-	-
2.2.2.4.4. Repair									-	-	-	b	-	-
2.2.2.4.5. Replace									-	-	-	b	-	-
2.2.2.4.6. Remove and Install									-	-	-	-	-	-
2.2.2.5. Seat Belts TR: TO 36A-1-6									-	-	-	-	-	-
2.2.2.5.1. Inspect		*							2b	-	-	b	-	-
2.2.2.5.2. Remove and Replace		*							-	-	-	b	-	-
2.2.3 Glass									-	-	-	-	-	-
2.2.3.1. Fundamentals		*							-	-	-	B	-	-
2.2.3.2. Cut and Fit									-	-	-	-	-	-
2.2.3.2.1. Glass									-	-	-	b	-	-
2.2.3.2.2. Plexiglas									-	-	-	b	-	-

1. Tasks, Knowledge And Technical References	2. Core Tasks			3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)					
	A	B	C	A	B	C	D	E	A		B		C	
	3 Level	5 Level	7 Level	Tng Start	Tng Comp.	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC	(1) Course	(2) CDC
2.2.3.3. Replace									-	-	-	-	-	-
2.2.3.3.1. Windows									-	-	-	b	-	-
2.2.3.3.2. Windshields									-	-	-	b	-	-
2.2.3.4. Repair									-	-	-	-	-	-
2.2.3.4.1. Glass									-	-	-	b	-	-
2.2.4. Heat Exchangers									-	-	-	-	-	-
2.2.4.1. Fundamentals		*							-	-	-	B	-	-
2.2.4.2. Remove and Replace									-	-	-	b	-	-
2.2.4.3. Repair									-	-	-	-	-	-
2.2.4.3.1. Composite									-	-	-	b	-	-
2.2.4.3.2. Metal									-	-	-	b	-	-
2.2.4.4. Test									-	-	-	b	-	-
2.2.5. Frame									-	-	-	-	-	-
2.2.5.1. Inspect for Damage									-	-	-	b	-	-
2.2.6. Fuel Tanks									-	-	-	-	-	-
2.2.6.1. Purge									-	-	-	-	-	-
2.2.6.2. Repair									-	-	-	-	-	-
2.3. Battle Damage Assessment and Triage Maintenance TR: TOs 36-1-181, 36-1-191									-	-	-	-	-	-
2.3.1. Fundamentals									-	-	-	-	-	B
2.3.2. Locate and Assess Damage									-	-	-	-	-	b
2.3.3. Perform Interim Repairs									-	-	-	-	-	b
2.3.4. Straighten Bent Metal Parts									-	-	-	-	-	-
2.4. Painting/Markings TR: TOs 1-1-8, 36-1-191, 36-1-161, 36-1-171, 36 Series; and Commercial									-	-	-	-	-	-
2.4.1. Fundamentals									-	-	-	B	-	-
2.4.2. Prepare and Apply									-	-	-	-	-	-
2.4.2.1. Base and Clear Coat									-	-	-	b	-	-
2.4.2.2. Chemical Agent Resistant Coating									-	-	-	b	-	-
2.4.2.3. Corrosion Control									-	-	-	b	-	-
2.4.2.4. Enamels									-	-	-	b	-	-
2.4.2.5. Markings									-	-	-	-	-	-

1. Tasks, Knowledge And Technical References	2. Core Tasks			3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)					
	A	B	C	A	B	C	D	E	A		B		C	
	3 Level	5 Level	7 Level	Tng Start	Tng Comp.	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC	(1) Course	(2) CDC
2.4.2.6. Polyurethane									-	-	-	b	-	-
2.4.2.7. Primers									-	-	-	b	-	-
2.4.2.8. Surface									-	-	-	b	-	-
2.4.3. Spot Paint and Blend									-	-	-	-	-	-
2.4.3.1. Single Stage									-	-	-	-	-	-
2.4.3.2. Two Stage									-	-	-	-	-	-
2.5. Publications TR: AFIs 33-322, 33-360, 33-364; AFMAN 33-363; TOs 00-5-1, 00-5-15, 00-5-18; and AFRIMS									-	-	-	-	-	-
2.5.1. Fundamentals		*							-	-	-	B	-	-
2.5.2. Technical Orders									-	-	-	-	-	-
2.5.2.1. Locate Specific Information		*							1a	-	-	b	-	-
2.5.2.2. Maintain Files									-	-	-	-	-	-
2.6. Welding TR: TOs 34W4-1-5, 34W4- 1-8, 36 Series; and Owner's									-	-	-	-	-	-
2.6.1. Fundamentals									-	-	-	-	-	-
2.6.1.1. Set Up/ Preparation									-	-	-	B	-	-
2.6.1.2. Gas Metal Arc									-	-	-	B	-	-
2.6.1.3. Gas Tungsten Arc									-	-	-	B	-	-
2.6.1.4. Shielded Metal Arc									-	-	-	B	-	-
2.6.1.5. Oxygen/Acetylene									-	-	-	B	-	-
2.6.1.6. Plasma Cutter									-	-	-	B	-	-
2.6.2. Weld Metals									-	-	-	-	-	-
2.6.2.1. Gas Metal Arc									-	-	-	b	-	-
2.6.2.2. Shielded Metal Arc									-	-	-	b	-	-
2.6.2.3. Oxygen/Acetylene									-	-	-	b	-	-
2.6.2.4. Brazing									-	-	-	b	-	-
2.6.2.5. Soldering									-	-	-	b	-	-
2.6.3. Cut Metals									-	-	-	-	-	-
2.6.3.1. Oxygen/Acetylene									-	-	-	b	-	-
2.6.3.2. Plasma Cutter									-	-	-	b	-	-



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

### 3 COMMON CORE TASKS

3.1. AF Safety and Occupational Health and Environmental Programs TR: AFIs 32-2001, 32-7042, 32-7086, 48-137, 48-145, 90-803, 90-821, 91-202, 91-203; TOs 34-1-3, 36-1-191; and 29 CFR 1910									-	-	-	-	-	-
3.1.1. Environmental Compliance									-	-	-	-	-	-
3.1.1.1. Hazardous Waste Management		*							A	-	-	B	-	-
3.1.1.2. Hazardous Material Management		*							A	-	-	B	-	-
3.1.1.3. Pollution Prevention									A	-	-	B	-	-
3.1.1.4. Waste Minimization									A	-	-	B	-	-
3.1.2. Personnel and Shop Safety									-	-	-	-	-	-
3.1.2.1. Hazard Communication Training									A	-	-	-	-	-
3.1.2.2. Perform Personnel and Shop Safety									2b	-	-	-	-	-
3.1.2.3. Safety and Occupational Health Standards									-	-	-	B	-	-
3.2. Air Bag System TR: TO 36 Series; and Commercial Manuals									-	-	-	-	-	-
3.2.1. Fundamentals									B	-	-	B	-	-
3.2.2. Isolate and Repair System Malfunctions									-	-	-	b	-	-
3.2.3. Inspect System									-	-	-	b	-	-
3.2.4. Remove and Install System Components									-	-	-	b	-	-
3.3. Air Systems TR: TO 36 Series; and Commercial Manuals									-	-	-	-	-	-
3.3.1. Fundamentals									B	-	-	B	-	-
3.3.2. Isolate Malfunctions									-	-	-	-	-	-
3.3.3. Inspect Components		*							b	-	-	b	-	-
3.3.4. Adjust Air Governor									b	-	-	b	-	-
3.3.5. Service Air Dryer									-	-	-	b	-	-
3.3.6. Repair									-	-	-	-	-	-
3.3.6.1. Actuators/Cylinders									-	-	-	b	-	-

	2. Core Tasks			3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)					
1. Tasks, Knowledge And Technical References	A	B	C	A	B	C	D	E	A		B		C	
	3 Level	5 Level	7 Level	Tng Start	Tng Comp.	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC	(1) Course	(2) CDC
3.3.6.2. Air Governor									-	-	-	b	-	-
3.3.6.3. Compressor									-	-	-	b	-	-
3.3.6.4. Valves									-	-	-	b	-	-
3.3.7. Replace Air Lines/ Fittings									b	-	-	-	-	-
3.3.8. Central Tire Inflation System (CTIS)									-	-	-	-	-	-
3.3.8.1. Fundamentals									-	-	-	B	-	-
3.3.8.2. Isolate and Repair Malfunctions									-	-	-	b	-	-
3.3.8.3. Inspect									-	-	-	b	-	-
3.3.8.4. Remove and Install Components									-	-	-	b	-	-
3.4. Brake Systems TR: TOs 35, 36 Series; and Commercial Manuals									-	-	-	-	-	-
3.4.1. Remove and Install System Components									-	-	-	-	-	-
3.4.1.1. Brake Shoes		*							2b	-	-	b	-	-
3.4.1.2. Disc Brake Calipers		*							2b	-	-	b	-	-
3.4.1.3. Disc Brake Pads		*							2b	-	-	b	-	-
3.4.1.4. Drums		*							2b	-	-	b	-	-
3.4.1.5. Parking Brake		*							b	-	-	b	-	-
3.4.1.6. Rotors		*							2b	-	-	b	-	-
3.4.1.7. Self-Adjusting Mechanism		*							2b	-	-	b	-	-
3.4.2. Adjust System Components									-	-	-	-	-	-
3.4.2.1. Parking		*							2b	-	-	b	-	-
3.4.2.2. Service		*							2b	-	-	b	-	-
3.4.3. Re-Surface									-	-	-	-	-	-
3.4.3.1. Brake Drum									-	-	-	b	-	-
3.4.3.2. Disc Brake Rotors									-	-	-	b	-	-
3.4.4. Air									-	-	-	-	-	-
3.4.4.1. Fundamentals									B	-	-	B	-	-
3.4.4.2. Isolate and Repair System Malfunctions		*							2b	-	-	b	-	-
3.4.4.3. Inspect System Components		*							2b	-	-	b	-	-
3.4.4.4. Adjust Slack Adjusters		*							2b	-	-	b	-	-
3.4.4.5. Remove and Install Air Brake Chambers		*							-	-	-	b	-	-

	2. Core Tasks			3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)					
1. Tasks, Knowledge And Technical References	A	B	C	A	B	C	D	E	A		B		C	
	3 Level	5 Level	7 Level	Tng Start	Tng Comp.	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC	(1) Course	(2) CDC
3.4.4.6. Repair Air Brake Chambers									-	-	-	b	-	-
3.4.5. Anti-Lock									-	-	-	-	-	-
3.4.5.1. Fundamentals														
3.4.5.1.1. Air Brakes									B	-	-	-	-	-
3.4.5.1.2. Hydraulic Brakes									B	-	-	-	-	-
3.4.5.2. Isolate and Repair Malfunctions									-	-	-	-	-	-
3.4.5.2.1. Air Brakes									b	-	-	b	-	-
3.4.5.2.2. Hydraulic Brakes		*							b	-	-	b	-	-
3.4.6. Hydraulic									-	-	-	-	-	-
3.4.6.1. Fundamentals									B	-	-	B	-	-
3.4.6.2. Bleed Brakes		*							2b	-	-	b	-	-
3.4.6.3. Disassemble and Assemble System Components									-	-	-	-	-	-
3.4.6.3.1. Master Cylinder									-	-	-	b	-	-
3.4.6.3.2. Disc Brake Calipers									-	-	-	b	-	-
3.4.6.3.3. Booster, Airpack Or Hydrovac									-	-	-	b	-	-
3.4.6.4. Isolate and Repair System Malfunctions									-	-	-	-	-	-
3.4.6.4.1. Booster, Airpack or Hydrovac									-	-	-	b	-	-
3.4.6.5. Remove and Install System Components									-	-	-	-	-	-
3.4.6.5.1. Master Cylinder		*							-	-	-	b	-	-
3.4.6.5.2. Wheel Cylinders		*							-	-	-	b	-	-
3.4.6.5.3. Hoses or Lines		*							-	-	-	b	-	-
3.4.6.5.4. Boosters, Airpacks or Hydrovac									-	-	-	b	-	-
3.4.6.6. Test System									-	-	-	b	-	-
3.4.7. Electric									-	-	-	-	-	-
3.4.7.1. Fundamentals									-	-	-	B	-	-
3.4.7.2. Isolate and Repair System Malfunctions									-	-	-	-	-	-
3.4.7.3. Inspect System Components									-	-	-	-	-	-
3.4.7.4. Remove and Install System Components									-	-	-	-	-	-

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

3.5. Diesel Engines TR: TOs 33, 35, 36, 38 Series; and Commercial Manuals									-	-	-	-	-	-
3.5.1. Fundamentals									B	-	-	B	-	-
3.5.2. Disassemble and Assemble									-	-	-	b	-	-
3.5.3. Bleed or Prime Fuel System		*							2b	-	-	b	-	-
3.5.4. Fundamentals of System Components									-	-	-	-	-	-
3.5.4.1. Computer Controls									B	-	-	B	-	-
3.5.4.2. Cooling									B	-	-	B	-	-
3.5.4.3. Emission Controls									B	-	-	B	-	-
3.5.4.4. Fuel and Air									B	-	-	B	-	-
3.5.4.5. Glow Plugs									B	-	-	B	-	-
3.5.4.6. Lubrication									B	-	-	B	-	-
3.5.4.7. Valve Train									B	-	-	B	-	-
3.5.5. Isolate and Repair System Malfunctions									-	-	-	-	-	-
3.5.5.1. Computer Controls		*							2b	-	-	-	-	-
3.5.5.2. Cooling		*							-	-	-	-	-	-
3.5.5.3. Emission Controls		*							2b	-	-	-	-	-
3.5.5.4. Fuel and Air		*							2b	-	-	b	-	-
3.5.5.5. Glow Plugs		*							2b	-	-	-	-	-
3.5.5.6. Lubrication		*							-	-	-	-	-	-
3.5.5.7. Valve Train		*							-	-	-	-	-	-
3.5.6. Inspect									-	-	-	-	-	-
3.5.6.1. Engine Parts		*							2b	-	-	-	-	-
3.5.6.2. Fuel System		*							2b	-	-	b	-	-
3.5.6.3. Glow Plugs		*							2b	-	-	-	-	-
3.5.7. Adjust System Components									-	-	-	-	-	-
3.5.7.1. Fuel Timing		*							2b	-	-	b	-	-
3.5.7.2. Governors		*							2b	-	-	b	-	-
3.5.7.3. Valve Clearance		*							2b	-	-	b	-	-
3.5.8. Remove and Install									-	-	-	-	-	-
3.5.8.1. Engine									-	-	-	-	-	-
3.5.8.2. Fuel System Components									2b	-	-	b	-	-
3.5.8.3. Oil Coolers									-	-	-	-	-	-
3.5.9. Test									-	-	-	-	-	-

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

3.5.9.1. Cylinder Compression									2b	-	-	b	-	-
3.6. Electrical TR: TOs: 33, 35, 36 Series; and Commercial Manuals									-	-	-	-	-	-
3.6.1. Fundamentals									B	-	-	B	-	-
3.6.2. Fundamentals of Systems									-	-	-	-	-	-
3.6.2.1. Batteries									B	-	-	B	-	-
3.6.2.2. Charging									B	-	-	B	-	-
3.6.2.3. Computer Controls									B	-	-	B	-	-
3.6.2.4. Ignition									B	-	-	B	-	-
3.6.2.5. Lighting									B	-	-	B	-	-
3.6.2.6. Starting									B	-	-	B	-	-
3.6.2.7. Warning									B	-	-	B	-	-
3.6.3. Isolate and Repair System Malfunctions									-	-	-	-	-	-
3.6.3.1. Batteries		*							2b	-	-	b	-	-
3.6.3.2. Charging		*							2b	-	-	b	-	-
3.6.3.3. Computer Controls		*							2b	-	-	b	-	-
3.6.3.4. Ignition		*							2b	-	-	b	-	-
3.6.3.5. Lighting		*							2b	-	-	b	-	-
3.6.3.6. Starting		*							2b	-	-	b	-	-
3.6.3.7. Warning		*							2b	-	-	b	-	-
3.6.4. Inspect Systems									-	-	-	-	-	-
3.6.4.1. Batteries		*							2b	-	-	b	-	-
3.6.4.2. Charging		*							2b	-	-	b	-	-
3.6.4.3. Computer Controls		*							2b	-	-	b	-	-
3.6.4.4. Ignition		*							2b	-	-	b	-	-
3.6.4.5. Lighting		*							2b	-	-	b	-	-
3.6.4.6. Starting		*							2b	-	-	b	-	-
3.6.4.7. Warning		*							2b	-	-	b	-	-
3.6.5. Interpret Diagrams and Schematics		*							2b	-	-	b	-	-
3.6.6. Remove and Install System Components									-	-	-	-	-	-
3.6.6.1. Computer Control		*							2b	-	-	b	-	-
3.6.6.2. Ignition									2b	-	-	b	-	-

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

3.7. Heating and Air Conditioning (A/C) Systems TR: TO 36 Series; and Commercial Manuals									-	-	-	-	-	-
3.7.1. Heating									-	-	-	-	-	-
3.7.1.1. Fundamentals									B	-	-	B	-	-
3.7.1.2. Isolate and Repair Malfunctions		*							-	-	-	b	-	-
3.7.1.3. Remove and Install Heater Core									-	-	-	b	-	-
3.7.2. A/C									-	-	-	-	-	-
3.7.2.1. Fundamentals									B	-	-	B	-	-
3.7.2.2. Isolate and Repair									-	-	-	-	-	-
3.7.2.2.1. Leaks									-	-	-	b	-	-
3.7.2.2.2. Malfunctions									-	-	-	b	-	-
3.7.2.3. Inspect									2b	-	-	b	-	-
3.7.2.4. Service									-	-	-	-	-	-
3.7.2.4.1. Evacuate									-	-	-	b	-	-
3.7.2.4.2. Charge									-	-	-	b	-	-
3.7.2.5. Remove and Install Components									-	-	-	b	-	-
3.8. Hydraulic System TR: TOs 35, 36 Series; and Commercial									-	-	-	-	-	-
3.8.1. Fundamentals and Safety									B	-	-	B	-	-
3.8.2. Isolate and Repair System Malfunctions		*							2b	-	-	b	-	-
3.8.3. Inspect System Components		*							2b	-	-	b	-	-
3.8.4. Interpret Diagrams and Schematics		*							2b	-	-	b	-	-
3.8.5. Manufacture Hoses		*							2b	-	-	b	-	-
3.8.6. Remove and Install Components		*							-	-	-	b	-	-
3.9. Gasoline Engines TR: TOs 33, 35, 36, 38 Series; and Commercial Manuals									-	-	-	-	-	-
3.9.1. Fundamentals									B	-	-	B	-	-
3.9.2. Disassemble and Assemble									2b	-	-	b	-	-
3.9.3. Fundamentals of Engine Systems									-	-	-	-	-	-
3.9.3.1. Computer Controls									B	-	-	B	-	-
3.9.3.2. Cooling									B	-	-	B	-	-

	2. Core Tasks			3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)					
1. Tasks, Knowledge And Technical References	A	B	C	A	B	C	D	E	A		B		C	
	3 Level	5 Level	7 Level	Tng Start	Tng Comp.	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC	(1) Course	(2) CDC
3.9.3.3. Emission Controls									B	-	-	B	-	-
3.9.3.4. Fuel and Air									B	-	-	B	-	-
3.9.3.5. Lubrication									B	-	-	B	-	-
3.9.3.6. Valve Train									B	-	-	B	-	-
3.9.4. Isolate and Repair System Malfunctions									-	-	-	-	-	-
3.9.4.1. Computer Controls		*							2b	-	-	b	-	-
3.9.4.2. Cooling		*							2b	-	-	b	-	-
3.9.4.3. Emission Controls		*							2b	-	-	b	-	-
3.9.4.4. Fuel and Air		*							2b	-	-	b	-	-
3.9.4.5. Lubrication		*							-	-	-	b	-	-
3.9.4.6. Valve Train		*							2b	-	-	b	-	-
3.9.5. Inspect Engine Parts									2b	-	-	-	-	-
3.9.6. Adjust									-	-	-	-	-	-
3.9.6.1. Valve Clearance									-	-	-	-	-	-
3.9.6.2. Ignition Timing									-	-	-	b	-	-
3.9.7. Remove and Install									-	-	-	-	-	-
3.9.7.1. Engine									-	-	-	b	-	-
3.9.7.2. Oil Coolers									-	-	-	b	-	-
3.9.8. Test Cylinder Compression									2b	-	-	-	-	-
3.10. Drive Trains and Axles TR: TOs 35, 36, 44 Series; and Commercial Manuals									-	-	-	-	-	-
3.10.1. Fundamentals of Systems									-	-	-	-	-	-
3.10.1.1. Clutches									B	-	-	B	-	-
3.10.1.2. Drive Axle Assemblies									B	-	-	B	-	-
3.10.1.3. Drive Trains									B	-	-	B	-	-
3.10.1.4. Transaxle/Front Wheel Drive									B	-	-	B	-	-
3.10.1.5. Transmissions									B	-	-	B	-	-
3.10.1.6. Transfer Cases									-	-	-	-	-	-
3.10.2. Transmissions									-	-	-	-	-	-
3.10.2.1. Isolate and Repair System Malfunctions									-	-	-	-	-	-
3.10.2.1.1. Automatic									b	-	-	b	-	-
3.10.2.1.2. Manual									-	-	-	b	-	-

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

3.10.2.2. Adjust System Components									-	-	-	-	-	-
3.10.2.2.1. Automatic Transmission Controls / Linkages		*							b	-	-	b	-	-
3.10.2.2.2. Free Play of Clutch Pedals									b	-	-	b	-	-
3.10.2.2.3. Manual Transmission Control Linkages									b	-	-	b	-	-
3.10.2.3. Remove and Install Assemblies and Components									-	-	-	-	-	-
3.10.2.3.1. Automatic									-	-	-	b	-	-
3.10.2.3.2. Manual									-	-	-	b	-	-
3.10.2.3.3. Manual Clutch									-	-	-	b	-	-
3.10.2.3.4. Seals and Gaskets									-	-	-	b	-	-
3.10.2.3.5. Fluid Couplings and Torque Converters									-	-	-	-	-	-
3.10.2.3.6. Flywheel/Ring Gears									-	-	-	b	-	-
3.10.2.3.7. Speedometer Cable									-	-	-	-	-	-
3.10.3. Drive Train and Axles									-	-	-	-	-	-
3.10.3.1. Isolate and Repair System Malfunctions									-	-	-	-	-	-
3.10.3.1.1. Automatic Transaxles									-	-	-	b	-	-
3.10.3.1.2. Differentials									-	-	-	b	-	-
3.10.3.1.3. Transfer Case									-	-	-	b	-	-
3.10.3.2. Inspect Assemblies/System									-	-	-	-	-	-
3.10.3.2.1. CV Joints		*							2b	-	-	b	-	-
3.10.3.2.2. Drive Axles		*							2b	-	-	b	-	-
3.10.3.2.3. Drive Shaft		*							2b	-	-	b	-	-
3.10.3.2.4. Transaxle		*							-	-	-	b	-	-
3.10.3.3. Adjust System Components									-	-	-	-	-	-
3.10.3.3.1. Transfer Case Linkage or Controls									b	-	-	b	-	-
3.10.3.4. Remove and Install System Components									-	-	-	-	-	-
3.10.3.4.1. CV Joints									-	-	-	b	-	-
3.10.3.4.2. Drive Shafts									-	-	-	b	-	-
3.10.3.4.3. Differential									-	-	-	-	-	-



	2. Core Tasks			3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)					
1. Tasks, Knowledge And Technical References	A	B	C	A	B	C	D	E	A		B		C	
	3 Level	5 Level	7 Level	Tng Start	Tng Comp.	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC	(1) Course	(2) CDC
3.10.3.4.4. Front Wheel Drive Axles									-	-	-	b	-	-
3.10.3.4.5. Wheel Bearings		*							-	-	-	b	-	-
3.10.3.4.6. Universal Joints		*							-	-	-	b	-	-
3.11. Tools and Test Equipment TR: TOs 32, 33, 34, 36 Series; AFTO Form 244; and Owner's Manuals									-	-	-	-	-	-
3.11.1. Tools									-	-	-	-	-	-
3.11.1.1. Identification									A	-	-	-	-	-
3.11.1.2. Inspection									A	-	-	-	-	-
3.11.1.3. Use									2b	-	-	-	-	-
3.11.2. Test Equipment									-	-	-	-	-	-
3.11.2.1. Use Diagnostic Scan Tools		*							-	-	-	b	-	-
3.12. Tires, Wheels, Steering, and Suspension Systems TR: TOs 35, 36 Series; and Commercial Manuals									-	-	-	-	-	-
3.12.1. Tires									-	-	-	-	-	-
3.12.1.1. Fundamentals		*							B	-	-	B	-	-
3.12.1.2. Dismount or Mount Tires									-	-	-	-	-	-
3.12.1.2.1. Light Duty		*							2b	-	-	b	-	-
3.12.1.2.2. Large Single Rim		*							2b	-	-	b	-	-
3.12.1.2.3. Split Rim		*							2b	-	-	b	-	-
3.12.1.2.4. Split Ring		*							-	-	-	b	-	-
3.12.1.3. Tire Pressure Monitoring System									-	-	-	-	-	-
3.12.1.3.1. Fundamental		*							B	-	-	B	-	-
3.12.2. Wheels									-	-	-	-	-	-
3.12.2.1. Balance									2b	-	-	b	-	-
3.12.2.2. Pack Bearings									2b	-	-	b	-	-
3.12.2.3. Remove and Install System Components									-	-	-	-	-	-
3.12.2.3.1. Spindles									-	-	-	b	-	-
3.12.2.3.2. Studs									-	-	-	b	-	-
3.12.3. Steering									-	-	-	-	-	-
3.12.3.1. Fundamentals									B	-	-	B	-	-
3.12.3.2. Isolate and Repair System Malfunctions		*							b	-	-	b	-	-
3.12.3.3. Inspect System Components		*							2b	-	-	b	-	-

	2. Core Tasks			3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)					
1. Tasks, Knowledge And Technical References	A	B	C	A	B	C	D	E	A		B		C	
	3 Level	5 Level	7 Level	Tng Start	Tng Comp.	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC	(1) Course	(2) CDC
3.12.3.4. Adjust Steering Gear Components									b	-	-	b	-	-
3.12.3.5. Remove and Install System Components									-	-	-	-	-	-
3.12.3.5.1. Idler Arms									-	-	-	b	-	-
3.12.3.5.2. Pitman Arms									-	-	-	b	-	-
3.12.3.5.3. Power Steering Hoses									-	-	-	b	-	-
3.12.3.5.4. Power Steering Pumps									-	-	-	b	-	-
3.12.3.5.5. Steering Gearboxes									-	-	-	b	-	-
3.12.3.5.6. Steering Wheels									-	-	-	b	-	-
3.12.3.5.7. Tie Rod									-	-	-	b	-	-
3.12.4. Suspension									-	-	-	-	-	-
3.12.4.1. Fundamentals									B	-	-	B	-	-
3.12.4.2. Align System									b	-	-	b	-	-
3.12.4.3. Inspect System Components		*							2b	-	-	b	-	-
3.12.4.4. Remove and Install System Components									-	-	-	-	-	-
3.12.4.4.1. Ball Joints									-	-	-	b	-	-
3.12.4.4.2. King Pins									-	-	-	b	-	-
3.12.4.4.3. McPherson Struts									-	-	-	b	-	-
3.12.4.4.4. Shock Absorbers									-	-	-	b	-	-
3.12.4.5. Isolate and Repair Electronic Stability Controls (ESC)									-	-	-	b	-	-

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

#### 4 MISSION GENERATION VEHICULAR EQUIPMENT MAINTENANCE

4.1. Cranes TR: AFI 91-203; TO 36 Series; and Commercial Manuals									-	-	-	-	-	-
4.1.1. Fundamentals									B	-	-	B	-	B
4.1.2. Isolate and Repair System Malfunctions									-	-	-	-	-	-
4.1.2.1. Computer Control									2b	-	-	b	-	-
4.1.2.2. Electrical									2b	-	-	b	-	-
4.1.2.3. Hydraulic									2b	-	-	b	-	-
4.1.2.4. Mechanical									-	-	-	b	-	-
4.1.3. Adjust System Components									-	-	-	-	-	-
4.1.3.1. Hydraulic									-	-	-	b	-	-
4.1.3.2. Mechanical									-	-	-	b	-	-
4.2. Crawler Tractors TR: TO 36 Series; and Commercial Manuals									-	-	-	-	-	-
4.2.1. Fundamentals									-	-	-	B	-	B
4.2.2. Isolate and Repair Assembly/System Malfunctions									-	-	-	-	-	-
4.2.2.1. Final drive									-	-	-	b	-	-
4.2.2.2. Steering									-	-	-	b	-	-
4.2.2.3. Tracks									-	-	-	b	-	-
4.2.3. Adjust Assembly/System									-	-	-	-	-	-
4.2.3.1. Final drive									-	-	-	b	-	-
4.2.3.2. Steering									-	-	-	b	-	-
4.2.3.3. Tracks									-	-	-	b	-	-
4.3. Graders TR: TO 36 Series; and Commercial Manuals									-	-	-	-	-	-
4.3.1. Fundamentals									-	-	-	-	-	-
4.3.2. Isolate and Repair System Malfunctions									-	-	-	-	-	-
4.3.2.1. Electrical									-	-	-	b	-	-
4.3.2.2. Drive train									-	-	-	b	-	-
4.3.2.3. Hydraulic									-	-	-	b	-	-
4.3.2.4. Steering									-	-	-	b	-	-

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

4.4. Military Series TR: TOs 36-1-191, 36 Series									-	-	-	-	-	-
4.4.1. Equipment									-	-	-	-	-	-
4.4.2. Vehicles									-	-	-	-	-	-
4.4.2.1. HMMWV									-	-	-	-	-	-
4.4.2.1.1. Fundamentals									B	-	-	B	-	B
4.4.2.1.2. Isolate and Repair System Malfunctions									-	-	-	-	-	-
4.4.2.1.2.1. Electrical									2b	-	-	b	-	-
4.4.2.1.2.2. Mechanical									-	-	-	b	-	-
4.4.2.1.2.3. Steering									-	-	-	b	-	-
4.4.2.1.2.4. Suspension									-	-	-	b	-	-
4.4.2.2. Medium M-Series (ie. M35, M1083)									-	-	-	-	-	-
4.4.2.2.1. Fundamentals									-	-	-	B	-	B
4.4.2.2.2. Isolate and Repair System Malfunctions									-	-	-	-	-	-
4.4.2.2.2.1. Air									-	-	-	b	-	-
4.4.2.2.2.2. Electrical									-	-	-	b	-	-
4.4.2.2.2.3. Hydraulic									-	-	-	b	-	-
4.4.2.2.2.4. Mechanical									-	-	-	b	-	-
4.4.2.2.2.5. Steering									-	-	-	b	-	-
4.4.2.2.2.6. Suspension									-	-	-	b	-	-
4.4.2.2.3. Remove/Replace Components									-	-	-	-	-	-
4.4.2.2.3.1. Driveline									-	-	-	-	-	-
4.4.2.3. MRAP									-	-	-	-	-	-
4.4.2.3.1. Fundamentals									-	-	-	B	-	B
4.4.2.3.2. Isolate and Repair System Malfunctions									-	-	-	-	-	-
4.4.2.3.2.1. Electrical									-	-	-	b	-	b
4.4.2.3.2.2. Life Support/HVAC									-	-	-	b	-	b
4.4.2.3.3 Inspect Systems									-	-	-	-	-	-
4.4.2.3.3.1 Fire Suppression									-	-	-	b	-	b
4.4.2.3.4. Remove/Replace Components									-	-	-	-	-	-
4.4.2.3.4.1. Body Armor									-	-	-	b	-	b

	2. Core Tasks			3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)					
1. Tasks, Knowledge And Technical References	A	B	C	A	B	C	D	E	A		B		C	
	3 Level	5 Level	7 Level	Tng Start	Tng Comp.	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC	(1) Course	(2) CDC
4.5. Skid Steer TR: TO 36 Series; and Commercial Manuals									-	-	-	-	-	-
4.5.1 Fundamentals									-	-	-	B	-	-
4.5.2. Isolate and Repair System Malfunctions									-	-	-	-	-	-
4.5.2.1. Electrical									-	-	-	b	-	-
4.5.2.2. Hydraulic									-	-	-	b	-	-
4.5.2.3. Mechanical									-	-	-	b	-	-
4.5.3. Adjust System Components									-	-	-	-	-	-
4.5.3.1. Drive Tracks									-	-	-	b	-	-
4.6. Snow Removal TR: TO 36 Series; and Commercial Manuals									-	-	-	-	-	-
4.6.1. Equipment									-	-	-	-	-	-
4.6.2. Equipment Attachment TR: TO 36 Series; and Commercial Manuals									-	-	-	-	-	-
4.6.2.1. Fundamentals									-	-	-	-	-	-
4.6.2.1.1. Snow Broom									-	-	-	B	-	B
4.6.2.1.2. Snow Blower									-	-	-	B	-	B
4.6.2.1.3. Blade/Hitch Assembly									-	-	-	B	-	-
4.6.2.2. Isolate and Repair Assembly Malfunctions									-	-	-	-	-	-
4.6.2.2.1. Snow Broom									-	-	-	b	-	-
4.6.2.2.2. Snow Blower									-	-	-	b	-	-
4.6.2.2.3. Blade/Hitch									-	-	-	b	-	-
4.6.2.3. Inspect Assembly									-	-	-	-	-	-
4.6.2.3.1. Snow Broom									-	-	-	b	-	-
4.6.2.3.2. Snow Blower									-	-	-	b	-	-
4.6.2.3.3. Blade/Hitch									-	-	-	b	-	-
4.6.2.4. Adjust Assembly									-	-	-	-	-	-
4.6.2.4.1. Snow Broom									-	-	-	b	-	-
4.6.2.4.2. Snow Blower									-	-	-	b	-	-
4.6.2.4.3. Blade/Hitch									-	-	-	b	-	-
4.6.3. Vehicles									-	-	-	-	-	-
4.6.3.1. Snow Removal Multipurpose														
4.6.3.1.1. Fundamentals									-	-	-	-	-	-

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

4.6.3.1.2. Isolate and Repair System Malfunctions									-	-	-	-	-	-
4.6.3.1.2.1. Air									-	-	-	-	-	-
4.6.3.1.2.2. Electrical									-	-	-	-	-	-
4.6.3.1.2.3. Hydraulic									-	-	-	-	-	-
4.6.3.1.2.4. Mechanical									-	-	-	-	-	-
4.6.3.1.2.5. Winterization									-	-	-	-	-	-
4.6.3.1.3. Adjust System Components									-	-	-	-	-	-
4.6.3.1.3.1. Air									-	-	-	-	-	-
4.6.3.1.3.2. Electrical									-	-	-	-	-	-
4.6.3.1.3.3. Hydraulic									-	-	-	-	-	-
4.6.3.1.3.4. Mechanical									-	-	-	-	-	-
4.6.3.1.3.5. Winterization									-	-	-	-	-	-
4.7. Sweeper TR: TO 36 Series; and Commercial Manuals									-	-	-	-	-	-
4.7.1. Fundamentals			*						B	-	-	B	-	B
4.7.2. Isolate and Repair Auxiliary System Malfunctions									-	-	-	-	-	-
4.7.2.1. Electrical		*							2b	-	-	b	-	-
4.7.2.2. Hydraulic		*							2b	-	-	b	-	-
4.7.2.3. Mechanical		*							-	-	-	b	-	-
4.7.2.4. Water		*							2b	-	-	b	-	-
4.7.3. Adjust Auxiliary System Components									-	-	-	-	-	-
4.7.3.1. Hydraulic		*							2b	-	-	b	-	-
4.7.3.2. Mechanical		*							-	-	-	b	-	-
4.7.3.3. Water									-	-	-	b	-	-
4.8. Towing and Servicing TR: TOs 00, 35, 36, 37, 42 Series; and Commercial Manuals									-	-	-	-	-	-
4.8.1. Aircraft Towing Tractor									-	-	-	-	-	-
4.8.1.1. Fundamentals			*						B	-	-	B	-	B
4.8.1.2. Isolate and Repair System Malfunctions									-	-	-	-	-	-
4.8.1.2.1. Brakes		*							b	-	-	b	-	-
4.8.1.2.2. Electrical		*							2b	-	-	b	-	-
4.8.1.2.3. Hydraulic		*							-	-	-	b	-	-

	2. Core Tasks			3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)					
1. Tasks, Knowledge And Technical References	A	B	C	A	B	C	D	E	A		B		C	
	3 Level	5 Level	7 Level	Tng Start	Tng Comp.	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC	(1) Course	(2) CDC
4.8.1.2.4. Steering		*							2b	-	-	b	-	-
4.8.1.3. Adjust System Components									-	-	-	-	-	-
4.8.1.3.1. Brakes		*							-	-	-	b	-	-
4.8.1.3.2. Hydraulic		*							-	-	-	b	-	-
4.8.1.3.3. Steering		*							-	-	-	-	-	-
4.8.2. Towing Attachments TR: TOs 36-1-121, 36-1-191, 36 Series; and Commercial Manuals									-	-	-	-	-	-
4.8.2.1. Pintle hook									-	-	-	-	-	-
4.8.2.1.1. Inspect		*							2b	-	-	b	-	-
4.8.2.1.2. Replace									-	-	-	-	-	-
4.8.2.2. Fifth wheel									-	-	-	-	-	-
4.8.2.2.1. Inspect		*							-	-	-	b	-	-
4.8.2.2.2. Replace									-	-	-	b	-	-
4.8.2.3. King pin									-	-	-	-	-	-
4.8.2.3.1. Inspect		*							-	-	-	b	-	-
4.8.2.3.2. Replace									-	-	-	b	-	-
4.8.3. Deicers									-	-	-	-	-	-
4.8.3.1. Fundamentals									-	-	-	-	-	-
4.8.3.1.1. Vehicle			*						B	-	-	B	-	B
4.8.3.1.2. Fire Suppression System									B	-	-	B	-	-
4.8.3.2. Isolate and Repair System Malfunctions									-	-	-	-	-	-
4.8.3.2.1. Electrical		*							2b	-	-	b	-	-
4.8.3.2.2. Dispensing		*							2b	-	-	b	-	-
4.8.3.2.3. Hydraulic		*							2b	-	-	b	-	-
4.8.3.2.4. Heating		*							2b	-	-	b	-	-
4.8.3.3. Adjust System Components									-	-	-	-	-	-
4.8.3.3.1. Electrical		*							2b	-	-	b	-	-
4.8.3.3.2. Dispensing		*							2b	-	-	b	-	-
4.8.3.3.3. Hydraulic		*							2b	-	-	b	-	-

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

5 FIREFIGHTING AND REFUELING VEHICLE/EQUIPMENT MAINTENANCE														
5.1. Firefighting TR: TO 36 Series; and Commercial Manuals									-	-	-	-	-	-
5.1.1. Equipment									-	-	-	-	-	-
5.1.2. Vehicles									-	-	-	-	-	-
5.1.2.1. Crash Truck									-	-	-	-	-	-
5.1.2.1.1. Fundamentals of Systems									-	-	-	-	-	-
5.1.2.1.1.1. Air			*						B	-	-	B	-	B
5.1.2.1.1.2. Dispensing			*						B	-	-	B	-	B
5.1.2.1.1.3. Electrical			*						B	-	-	B	-	B
5.1.2.1.1.4. Mechanical									-	-	-	B	-	-
5.1.2.1.1.5. Winterization									B	-	-	B	-	-
5.1.2.1.2. Isolate and Repair System Malfunctions									-	-	-	-	-	-
5.1.2.1.2.1. Air									2b	-	-	b	-	-
5.1.2.1.2.2. Dispensing		*							2b	-	-	b	-	-
5.1.2.1.2.3. Drivetrain									2b	-	-	b	-	-
5.1.2.1.2.4. Electrical									2b	-	-	b	-	-
5.1.2.1.2.5. Mechanical									-	-	-	b	-	-
5.1.2.1.2.6. Winterization									2b	-	-	b	-	-
5.1.2.1.3. Adjust System Components									-	-	-	-	-	-
5.1.2.1.3.1. Air		*							2b	-	-	b	-	-
5.1.2.1.3.2. Dispensing		*							2b	-	-	b	-	-
5.1.2.1.3.3. Electrical		*							2b	-	-	b	-	-
5.1.2.1.3.4. Mechanical									-	-	-	b	-	-
5.1.2.1.3.5. Winterization									2b	-	-	b	-	-
5.1.2.2. Rapid Intervention Vehicle (RIV)									-	-	-	-	-	-
5.1.2.2.1. Fundamentals of Systems									-	-	-	-	-	-
5.1.2.2.1.1. Air			*						B	-	-	B	-	B
5.1.2.2.1.2. Dispensing			*						B	-	-	B	-	B



	2. Core Tasks			3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)					
1. Tasks, Knowledge And Technical References	A	B	C	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level		C 7 Skill Level	
	3 Level	5 Level	7 Level	Tng Start	Tng Comp.	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC	(1) Course	(2) CDC
5.1.2.2.1.3. Electrical			*						B	-	-	B	-	B
5.1.2.2.1.4. Mechanical									-	-	-	-	-	-
5.1.2.2.1.5. Winterization									B	-	-	-	-	-
5.1.2.2.2. Isolate and Repair System Malfunctions									-	-	-	-	-	-
5.1.2.2.2.1. Air			*						2b	-	-	b	-	-
5.1.2.2.2.2. Dispensing			*						2b	-	-	b	-	-
5.1.2.2.2.3. Electrical			*						2b	-	-	b	-	-
5.1.2.2.2.4. Mechanical									-	-	-	-	-	-
5.1.2.2.2.5. Winterization									-	-	-	-	-	-
5.1.2.2.3. Adjust System Components									-	-	-	-	-	-
5.1.2.2.3.1. Air									-	-	-	b	-	-
5.1.2.2.3.2. Dispensing		*							-	-	-	b	-	-
5.1.2.2.3.3. Electrical									-	-	-	b	-	-
5.1.2.2.3.4. Mechanical									-	-	-	-	-	-
5.1.2.2.3.5. Winterization									-	-	-	-	-	-
5.1.2.3. Structural Truck									-	-	-	-	-	-
5.1.2.3.1. Fundamentals of									-	-	-	-	-	-
5.1.2.3.1.1. Air			*						-	-	-	B	-	B
5.1.2.3.1.2. Dispensing			*						-	-	-	B	-	B
5.1.2.3.1.3. Electrical			*						-	-	-	B	-	B
5.1.2.3.1.4. Mechanical									-	-	-	B	-	-
5.1.2.3.1.5. Winterization									-	-	-	-	-	-
5.1.2.3.2. Isolate and Repair System Malfunctions									-	-	-	-	-	-
5.1.2.3.2.1. Air		*							-	-	-	b	-	-
5.1.2.3.2.2. Dispensing									-	-	-	b	-	b
5.1.2.3.2.3. Electrical									-	-	-	b	-	-
5.1.2.3.2.4. Mechanical									-	-	-	b	-	-
5.1.2.3.2.5. Winterization									-	-	-	-	-	-
5.1.2.3.3. Adjust System Components									-	-	-	-	-	-
5.1.2.3.3.1. Air									-	-	-	b	-	-

	2. Core Tasks			3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)					
1. Tasks, Knowledge And Technical References	A	B	C	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level		C 7 Skill Level	
	3 Level	5 Level	7 Level	Tng Start	Tng Comp.	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC	(1) Course	(2) CDC
5.1.2.3.3.2. Dispensing		*							-	-	-	b	-	-
5.1.2.3.3.3. Electrical									-	-	-	b	-	-
5.1.2.3.3.4. Mechanical									-	-	-	-	-	-
5.1.2.3.3.5. Winterization									-	-	-	-	-	-
5.2. Refueling TR: TO 36 Series; and Commercial Manuals									-	-	-	-	-	-
5.2.1. Equipment									-	-	-	-	-	-
5.2.1.1. Fundamentals									-	-	-	-	-	-
5.2.1.1.1. Fuels Operational Readiness Capability Equipment (FORCE)									-	-	-	B	-	B
5.2.1.1.2. Fuel Support Equipment (FSE)									-	-	-	B	-	B
5.2.2. Vehicles									-	-	-	-	-	-
5.2.2.1 Refueling Truck									-	-	-	-	-	-
5.2.2.1.1. Fundamentals of Systems									-	-	-	-	-	-
5.2.2.1.1.1. Air			*						-	-	-	B	-	B
5.2.2.1.1.2. Dispensing			*						B	-	-	B	-	B
5.2.2.1.1.3. Electrical			*						B	-	-	B	-	B
5.2.2.1.1.4. Environmental									-	-	-	-	-	-
5.2.2.1.1.5. Mechanical									-	-	-	B	-	-
5.2.2.1.1.6. Winterization									-	-	-	B	-	-
5.2.2.1.2. Isolate and Repair System Malfunctions									-	-	-	-	-	-
5.2.2.1.2.1. Air		*							2b	-	-	b	-	-
5.2.2.1.2.2. Dispensing		*							2b	-	-	-	-	-
5.2.2.1.2.3. Electrical		*							2b	-	-	b	-	-
5.2.2.1.2.4. Environmental									-	-	-	-	-	-
5.2.2.1.2.5. Grounding Reels		*							b	-	-	-	-	-
5.2.2.1.2.6. Mechanical		*							-	-	-	b	-	-
5.2.2.1.2.7. Overflow Protection (Scully)		*							2b	-	-	b	-	-
5.2.2.1.2.8. PTO Throttle Interlock		*							2b	-	-	b	-	-
5.2.2.1.2.9. Winterization		*							-	-	-	b	-	-

	2. Core Tasks			3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)					
1. Tasks, Knowledge And Technical References	A	B	C	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level		C 7 Skill Level	
	3 Level	5 Level	7 Level	Tng Start	Tng Comp.	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC	(1) Course	(2) CDC
5.2.2.1.3. Adjust System Components									-	-	-	-	-	-
5.2.2.1.3.1. Air		*							-	-	-	b	-	-
5.2.2.1.3.2. Dispensing		*							2b	-	-	b	-	-
5.2.2.1.3.3. Electrical									2b	-	-	-	-	-
5.2.2.1.3.4. Environmental									-	-	-	-	-	-
5.2.2.1.3.5. Mechanical									-	-	-	b	-	-
5.2.2.1.3.6. Winterization									-	-	-	b	-	-
5.2.2.1.4. Calibrate System Components									-	-	-	-	-	-
5.2.2.1.4.1. Meters		*							2b	-	-	b	-	b
5.2.2.1.5. Service System Components									-	-	-	-	-	-
5.2.2.1.5.1. Coalescer Elements & Separators		*							2b	-	-	-	-	-
5.2.2.1.6. Test System Components									-	-	-	-	-	-
5.2.2.1.6.1. Hydrostatic Hose		*							2b	-	-	b	-	b
5.2.2.1.6.2. Grounding Reels		*							2b	-	-	-	-	-
5.2.3 Safety									-	-	-	-	-	-
5.2.3.1. Fundamentals									-	-	-	-	-	-
5.2.3.1.1. General Safety Precautions			*						B	-	-	B	-	B

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

## 6 MATERIAL HANDLING EQUIPMENT/463L

6.1. MHE/463L TR: TO 36 Series; and Commercial Manuals									-	-	-	-	-	-
6.1.1. Forklifts									-	-	-	-	-	-
6.1.1.1. Standard									-	-	-	-	-	-
6.1.1.1.1. Fundamentals			*						B	-	-	B	-	B
6.1.1.1.2. Isolate and Repair System Malfunctions									-	-	-	-	-	-
6.1.1.1.2.1. Electrical		*							2b	-	-	b	-	-
6.1.1.1.2.2. Hydraulic		*							2b	-	-	b	-	-
6.1.1.1.2.3. Mechanical		*							2b	-	-	b	-	-
6.1.1.1.3. Adjust System Components									-	-	-	-	-	-
6.1.1.1.3.1. Hydraulic		*							2b	-	-	b	-	-
6.1.1.1.3.2. Mechanical		*							2b	-	-	b	-	-
6.1.1.2. Adverse Terrain									-	-	-	-	-	-
6.1.1.2.1. Fundamentals			*						B	-	-	B	-	B
6.1.1.2.2. Isolate and Repair System Malfunctions									-	-	-	-	-	-
6.1.1.2.2.1. Air									-	-	-	b	-	-
6.1.1.2.2.2. Electrical		*							2b	-	-	b	-	-
6.1.1.2.2.3. Hydraulic		*							2b	-	-	b	-	-
6.1.1.2.2.4. Mechanical		*							2b	-	-	b	-	-
6.1.1.2.3. Adjust System Components									-	-	-	-	-	-
6.1.1.2.3.1. Hydraulic		*							2b	-	-	b	-	-
6.1.1.2.3.2. Mechanical		*							2b	-	-	b	-	-
6.1.2. Cargo Loaders									-	-	-	-	-	-
6.1.2.1. Small									-	-	-	-	-	-
6.1.2.1.1. Fundamentals			*						B	-	-	B	-	B
6.1.2.1.2. Isolate and Repair System Malfunctions									-	-	-	-	-	-
6.1.2.1.2.1. Electrical		*							2b	-	-	b	-	-

	2. Core Tasks			3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)					
1. Tasks, Knowledge And Technical References	A	B	C	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level		C 7 Skill Level	
	3 Level	5 Level	7 Level	Tng Start	Tng Comp.	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC	(1) Course	(2) CDC
6.1.2.1.2.2. Hydraulic		*							2b	-	-	b	-	-
6.1.2.1.2.3. Mechanical									-	-	-	b	-	-
6.1.2.1.3. Adjust System Components									-	-	-	-	-	-
6.1.2.1.3.1. Air									-	-	-	b	-	-
6.1.2.1.3.2. Electrical		*							-	-	-	b	-	-
6.1.2.1.3.3. Hydraulic		*							2b	-	-	b	-	-
6.1.2.2. Large									-	-	-	-	-	-
6.1.2.2.1. Fundamentals			*						B	-	-	B	-	B
6.1.2.2.2. Isolate and Repair System Malfunctions									-	-	-	-	-	-
6.1.2.2.2.1. Air									2b	-	-	b	-	-
6.1.2.2.2.2. Electrical		*							2b	-	-	b	-	-
6.1.2.2.2.3. Hydraulic		*							2b	-	-	b	-	-
6.1.2.2.2.4. Mechanical		*							-	-	-	b	-	-
6.1.2.2.3. Adjust System Components									-	-	-	-	-	-
6.1.2.2.3.1. Electrical		*							2b	-	-	b	-	-
6.1.2.2.3.2. Encoders		*							2b	-	-	b	-	-
6.1.2.2.3.3. Steering		*							2b	-	-	b	-	-

**SECTION B: OPTIONAL** – *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:**

<b><i>Course Number</i></b>	<b><i>Course Title</i></b>	<b><i>Location</i></b>
*L9AQN2T331 00AB *L9AQN2T331A00AA *L9AQN2T331C00AA	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
LCABP2T331 00AB	Mission Generation Vehicular Equipment Maintenance Apprentice	Port Hueneme CA
LCABP2T331A00AB	Firefighting & Refueling Vehicle Equipment Maintenance Trucks	Port Hueneme CA
LCABP2T331C00AB	Material Handling Equipment (MHE) 463L Maintenance Apprentice	Port Hueneme CA
L3ABR2T337 00AC	Fleet Management and Analysis Apprentice	JBSA – Lackland TX
LCAZP2T351 00AA	Diesel Engine Maintenance	Port Hueneme CA
LCAZP2T351A0P9A	A/S32 P-19 Fire Truck Maintenance	Port Hueneme CA
LCAZP2T351A23PA	A/S32P-23 Fire Truck Maintenance	Port Hueneme CA
L3AZP2T351 02AA	Automatic Transmission/Transaxle/Transfer Case	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
J3AZR2T351A01AA	Refueling Maintenance	Sheppard AFB TX

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

<b><i>Course Number</i></b>	<b><i>Course Title</i></b>
L7AZT2T351A19PA	A/S 32P-19 Fire Truck Maintenance
L7AZT2T351A23PA	A/S 32P-23 Fire Truck Maintenance
L7AZT2T351C25KA	FMC Halvorsen 25K Cargo Loader Maintenance
L7AZT2T351C60KA	60K Cargo Loader Maintenance
L7AZT2T351 00AA	Vehicle Air Conditioning Systems
L7AZT2T351 01AA	Condor Deicing Platform Maintenance
L7AZT2T351 02AA	Global Deicer Maintenance

**SECTION E: MAJCOM UNIQUE TRAINING** - See the following list “MAJCOM Courses” of available courses for broadening and expanding career field knowledge within the specified MAJCOMs. Also, there is another list “Other General Courses” listed below that is available to any SNCO with a Log-R AFSC.

**MAJCOM COURSES:**

<i>Course Number</i>	<i>Course Title</i>	<i>MAJCOM</i>
365PAC2T35X-001	Automotive Brake Systems	PACAF
365PAC2T35X 002	Gas Metal Arc Welding	PACAF
365PAC2T35X-003	Hybrid Electric Vehicle Fundamentals	PACAF
365PAC2T35X-005	Refueler Fundamentals / FORCE	PACAF
365PAC2T35X-007	Automotive Air Conditioning	PACAF
365PAC2T35X-008	Diesel Engine Computerized Management Systems	PACAF
365PAC2T35X-011	Automotive Computer Systems	PACAF
365PAC2T35X-014	Welding Fundamentals	PACAF
365PAC2T35X-015	Vehicle Management Journeyman Supervisor Course	PACAF
365PAC2T3X7-016	Defense Property Accountability System And Integrated Management System	PACAF
365PAC2T35X-017	Powerstroke Diesel Engine	PACAF
365PAC2T35X-018	H-Series Snow Blower Maintenance	PACAF
365PAC2T3X-019	Microsoft Excel / Access	PACAF
365PAC2T35X-020	Metal Inert Gas (MIG) Welding and Oxy-Acetylene Cutting Fundamentals	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>
L6AAW2XXXX 00AA	Log-R Senior NCO Course