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Vehicle Maintenance Specialties

CAREER FIELD EDUCATION

AND TRAINING PLAN

CAREER FIELD EDUCATION AND TRAINING PLAN
VEHICLE MAINTENANCE SPECIALTIES
AFSC 2T3XX

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VEHICLE MAINTENANCE SPECIALTIES
AFSC 2T3XX
CAREER FIELD EDUCATION AND TRAINING PLAN

Part I

Preface

1. The Career Field Education and Training Plan (CFETP) is a comprehensive education and training document that identifies life-cycle education/training requirements, training support resources, and minimum core task requirements for this specialty. The CFETP will provide vehicle maintenance personnel a clear career path to success and will instill rigor in all aspects of career field training. ***NOTE: Civilians occupying associated positions will use Part II to support duty position qualification training. AFRC and ANG career paths will differ from the career paths depicted in this document. They may develop career paths that more accurately describe the life-cycle of reserve and guard personnel.***

2. The CFETP consists of two parts; both parts of the plan are used by supervisors to plan, manage, and control training within the career field.
2.1. Part I provides information necessary for overall management of the specialty. **Section A** explains how everyone will use the plan; **Section B** identifies career field progression information, duties and responsibilities, training strategies, and career field path; **Section C** associates each level with specialty qualifications (knowledge, education, training, and other); **Section D** indicates resource constraints. Some examples are funds, manpower, equipment, facilities; **Section E** identifies transition training guide requirements for SSgt through MSgt.
2.2. Part II includes the following: **Section A** identifies the Specialty Training Standards (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** contains the course objective lists and training standards supervisors will use to determine if airmen satisfied training requirements; **Section C** identifies available support materials. An example is a Qualification Training Package (QTPs which may be developed to support proficiency training). These packages are identified in AFIND8*, Numerical Index of Specialized Educational Training Publications*; **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 MAJCOM unique training requirements supervisors can use to determine additional training required for the associated qualification needs.

3. Using guidance provided in the CFETP will ensure individuals in vehicle maintenance 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 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.

AETC Training Manager (AETC-TM). AETC Training Manager (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 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 AFCFM) 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 a specific career (AF specialty). AFCFM responsibilities include policy development, training, skills management and career progression.

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 commander 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 AFI 36-2201, *Developing, Managing and Conducting Military Training Programs.*

Education and Training Course Announcements (ETCA). A web-based application that replaced AFCAT 36-2223, USAF Formal Schools. ETCA is the primary tool used for information on education and training courses, such as available courses, prerequisites, reporting instructions etc. ETCA is accessed via the World Wide Web (WWW) at address http://hq2af.keesler.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 4). Special or regular on-site training conducted by a field training detachment (FTD) or by a mobile training team.

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

Initial Skills Training. A formal school course that results in an AFSC 3-skill level award for enlisted or mandatory training for upgrade to qualified for officers.

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

MAJCOM Functional Manager (MFM). An individual who is the point of contact (POC) responsible for MAJCOM management of a specific career (AF specialty). MFM responsibilities include coordination with the AFCFM, policy development, training, skills management and career progression at the MAJCOM level.

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

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

On-the-Job Training (OJT). Hands-on, "over-the-shoulder training" that a duty location uses to certify 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 that occurs after upgrade training.

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

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 six-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 Air Force specialty needs on the job. It further serves as a contract between the Air Education and Training Command and the user to show the overall training requirements for an Air Force specialty code 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. Highly motivated and experienced individual who is an effective communicator and has a thorough understanding career field issues. The AFCFM and training personnel call on for specialty related issues such as attending Utilization and Training Workshops and to writing Specialty Knowledge Tests for promotion.

Task Certifier. See Certification Official.

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

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

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

Training 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, on-the-job, field training, mobile training team, self-study etc.).

Training Session—Training that trainers conduct 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 the training provided to and the jobs performed by personnel throughout their tenure within a career field or Air Force specialty. 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 Air Force Specialty Code (AFSC) functional managers, Subject Matter Experts (SMEs), and AETC training personnel that determines career ladder training requirements.

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

Section A - General Information

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

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

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

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

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

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

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

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

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

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

Section B - Career Progression and Information

4. Specialty Descriptions. Typically, specialty descriptions provide a summary of the specialty, insight into duties and responsibilities associated to the specialty, and qualifications for entry or progression within the specialty. Specialty descriptions are found in Air Force Manual (AFMAN) 36-2108, Airman Classification. Descriptions for each of the specialties in the vehicle maintenance career field follow:

Ref: AFMAN 36-2108, 31 October 2003

AFSC 2T351, Journeyman
AFSC 2T331, Apprentice
AFSC 2T311, Helper

4.1. VEHICLE AND VEHICULAR EQUIPMENT MAINTENANCE

4.1.1. **Specialty Summary**. Performs vehicle maintenance activities on light, medium and heavy duty military and commercial design vehicles and equipment. Activities include inspection, diagnostic, repair, and rebuild of components and assemblies. Related DoD Occupational Subgroup: 610 and 612.
4.1.2. **Duties and Responsibilities**:
4.1.2.1. Determines the overall serviceability and mechanical condition of vehicles and equipment, correction of deficiencies required, and effects repair. Systematically analyzes malfunctions by visual and auditory examination or through the use of test equipment. Repairs, adjusts, overhauls, or replaces major assemblies or subassemblies such as power and drive trains, air conditioning, brake, steering assemblies, tracks, hydraulic system components and special vehicle and 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. 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.
4.1.2.2. Adjusts bearing loads, gear tooth contact, and backlash to manufacturers' 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 preventative and special maintenance. Uses technical publications or automated systems in maintaining vehicles to prescribed manufactures maintenance schedules and for researching parts. Performs special inspections and maintenance on vehicles and equipment requiring corrosion control, winterization, storage and shipment. Properly annotates all maintenance performed on prescribed forms for data collection.
4.1.2.4. Adheres to all established safety policies and standards to include identification, use, and proper procedures for handling or disposal of hazardous waste materials.
4.1.3. **Specialty Qualification:**
4.1.3.1. Knowledge. Mandatory knowledge required in the area of vehicle and equipment theory, principles and repair relating to internal combustion engines, electrical, mechanical, and hydraulic systems. Knowledge required relating to the methods of hoisting and handling heavy mechanisms; using lubricants, tools, and publications; and supply procedures.
4.1.3.2. Education. For entry into this specialty, completion of high school with courses in automotive mechanics or industrial arts is desirable.
4.1.3.3. Training. For award of AFSC 2T331, completion of the vehicle and equipment maintenance apprentice course is mandatory.
4.1.3.4. Experience. For award of AFSC 2T351, qualification in and possession of AFSC 2T331 is mandatory. Also, experience is mandatory in functions such as inspecting, repairing, or maintaining vehicles and equipment.
4.1.3.5. Other. The following are mandatory for entry into this specialty:
4.1.3.5.1. Normal color vision as defined in AFMAN 48-123, *Medical Examination and Standards.*
4.1.3.5.2. Qualification to operate government vehicles according to AFI 24-301, *Vehicle Operations.*

Ref: AFMAN 36-2108, 31 October 2003

AFSC 2T352*, Journeyman
AFSC 2T332*, Apprentice
AFSC 2T312*, Helper

4.2. SPECIALIZED VEHICLE MAINTENANCE

4.2.1**. Specialty Summary**. Performs vehicle maintenance activities on military and commercial design fire fighting, refueling and material handling equipment. Activities include inspection, diagnostics, repair, and rebuild of components and assemblies. Related DOD Occupational Subgroup: 610.
4.2.2. **Duties and Responsibilities**:
4.2.2.1. Determines the overall serviceability and mechanical condition of vehicles and equipment, correction of deficiencies required, and effects repair. Systematically analyzes malfunctions by visual and auditory examination or through the use of test equipment. Repairs, adjusts, overhauls or replaces major assemblies or subassemblies such as power and drive trains, air-conditioning, brake, steering, and pumping systems. Removes, disassembles and repairs gasoline or diesel engines and components. Diagnoses, isolates malfunctions and repairs vehicle electrical, emissions, gasoline, diesel and alternative fuel systems. Repairs components by replacing worn or damaged parts with new or reconditioned parts. Reassembles, adjusts, and tests units for proper operation.
4.2.2.2. Calibrates and adjusts pumps, meters, safety unit proportioning devices, and limiting devices to ensure proper operation. Synchronizes remote or manual electrical and hydraulic controls. Adjusts power boosters, clutches, drive chains, and tension devices. Performs hydrostatic hose testing of refueling vehicles and equipment.
4.2.2.3. Performs preventive and special maintenance. Uses technical publications in maintaining vehicles to prescribed manufacturers' maintenance schedules. Performs special inspections and maintenance on vehicles and equipment requiring corrosion control, winterization, storage and shipment. Properly annotates all maintenance performed on prescribed forms for data collection purposes.
4.2.2.4. Adheres to all established safety policies and standards to include identification, use, and proper procedures for handling or disposal of hazardous waste materials.
4.2.3. **Specialty Qualifications:**
4.2.3.1. Knowledge. Mandatory knowledge required in the area of vehicle and equipment theory, principles and repair relating to internal combustion engines, electrical, mechanical, and hydraulic systems. Knowledge required relating to the methods of hoisting and handling heavy mechanisms; using lubricants, tools, and publications; and supply procedures.
4.2.3.2. Education. For entry into this specialty, completion of high school with courses in automotive mechanics or industrial arts is desirable.
4.2.3.3. Training: Completion of the following training is mandatory for award of the AFSC indicated:
4.2.3.3.1. 2T332A. Specialized vehicle maintenance (fire fighting vehicles) apprentice course.
4.2.3.3.2. 2T332B. Specialized vehicle maintenance (refueling vehicles) apprentice course.
4.2.3.3.3. 2T332C. Specialized vehicle maintenance (material handling equipment) apprentice course.
4.2.3.4. Experience. For award of AFSC 2T352*, qualification in and possession of AFSC 2T332* is mandatory. Also, experience is mandatory in the functions of inspecting, maintaining, or repairing specialized vehicles.
4.2.3.5. Other. The following are mandatory for entry into this specialty:
4.2.3.5.1. Normal color vision as defined in AFMAN 48-123, *Medical Examination and Standards.*
4.2.3.5.2. Qualification to operate government vehicles according to AFI 24-301, *Vehicle Operations.*

4.2.4. *** Specialty Shredouts**

Suffix	Specialized Vehicle and Equipment
A	Fire Fighting Vehicles
B	Refueling Vehicles
C	Material Handling Equipment

Ref: AFMAN 36-2108, 31 October 2003

AFSC 2T355, Journeyman
AFSC 2T335, Apprentice
AFSC 2T315, Helper

4.3. VEHICLE BODY MAINTENANCE

4.3.1. **Specialty Summary.** Performs vehicle body maintenance activities on military and commercial design vehicles and equipment. Activities include inspection, repair, refinishing of painted surfaces, fabrication of parts, and rebuilding components. Repairs and replaces automotive upholstery, body parts, panels, and fenders. Welds metals and cuts vehicle glass. Related DoD Occupational Subgroup: 704.
4.3.2. **Duties and Responsibilities:**
4.3.2.1. Determines the overall serviceability and mechanical condition of the vehicle and equipment body and frame to determine best repair methods. Straightens deformed panels, using hand and power tools. Applies body fillers and fiberglass to build up depressed areas, repairs or replaces locks, latches, remote controls, window regulators and other associated body components. Removes and installs electrical wiring and components to facilitate repairs. Designs and manufactures mounted equipment, such as seats, pintle hook mounts, and towing connections.
4.3.2.2. Removes, installs, and adjusts, body components such as fenders, doors, hoods, grills, bumpers, and quarter panels. Aligns these panels using trammels, measuring tape, plumb bob, jacks and associated equipment.
4.3.2.3. Cuts, grinds, bevels, and smoothes the edges of laminated automotive glass and installs. Replaces curved glass with factory replacements.
4.3.2.4. Prepares vehicle surfaces for painting by scraping, grinding or applying paint remover. Applies chemical compounds such as primers sealers and finish coatings to wood and metal vehicle body surfaces. Maintains all painting equipment.
4.3.2.5. Cleans, tests, and repairs vehicle radiators and associated parts. Tests for leaks and blockage using tanks and flow testers. Identifies and uses proper procedures for safe handling and disposal of hazardous waste materials.
4.3.2.6. Welds, cuts, and repairs metals using oxyacetylene, gas-shielded and arc welding. Prepares metal for welding and sets up job using various jigs, clamps and fixtures. Selects the proper equipment for metal welding and effects repair.
4.3.2.7. Adheres to all established safety policies and standards to include identification, use, and proper procedures for handling or disposal of hazardous waste materials.
4.3.3. **Specialty Qualifications:**
4.3.3.1. Knowledge. Mandatory knowledge is required in the area of metal composition and metal working methods; using oxyacetylene, gas shielded, and electric welding equipment. Proficient at completing simple mathematical computations; mixing and applying paints, coatings, and solvents; handling and storing paint; and using stencil, brush, spray gun, respirator, shaker-type mixer, buffing and sanding machines, and associated equipment.
4.3.3.2. Education. For entry into this specialty, completion of high school with courses in automotive mechanics or industrial arts is desirable.
4.3.3.3. Training. For award of AFSC 2T335, completion of the vehicle body maintenance apprentice course is mandatory.
4.3.3.4. Experience. For award of AFSC 2T355, qualification in and possession of AFSC 2T335 is mandatory. Also, experience is mandatory in functions such as automotive body repairing or refinishing, mixing and applying paints, and welding.
4.3.3.5. Other. The following are mandatory for entry into this specialty:
4.3.3.5.1. Normal color vision as defined in AFMAN 48-123, *Medical Examination and Standards.*
4.3.3.5.2. Qualification to operate government vehicles according to AFI 24-301, *Vehicle Operations.*

Ref: AFMAN 36-2108, 31 October 2003

AFSC 2T377, Craftsman
AFSC 2T357, Journeyman
AFSC 2T337 , Apprentice
AFSC 2T317, Helper

4.4. VEHICLE MANAGEMENT AND ANALYSIS

4.4.1. **Specialty Summary.** Supervises and performs the scheduling and analysis of maintenance performed on vehicles and equipment. Oversees fleet management and accounts for vehicle fleet. Uses a computer to manage the vehicle data collection system and develops local retrievals to obtain specific data. Files historical data and maintains vehicle records. Related DoD Occupational Subgroup: 558 and 811.

4.4.2. **Duties and Responsibilities:**

4.4.2.1. Supervises and performs On-Line Vehicle Interactive Management System (OLVIMS) and fleet management functions. Inputs data to the OLVIMS computer system and verifies data accuracy. Prepares, reviews and corrects OLVIMS system products. Develops base vehicle priority buy program, minimum essential and rotation plan. Performs fleet maintenance and operations analysis. Develops local retrievals to obtain specific data and analyzes this data for specific trends. Coordinates with work center supervisors and using organizations to ensure a timely repair of assigned vehicles. Monitors contract and warranty repairs, status, and funding. Develops and administers long and short range plans and programs for completion of scheduled maintenance and special projects. Programs vehicles for depot maintenance on a five year maintenance plan. Controls and administers the delayed maintenance, accident, abuse and misuse programs. Operates computers, calculators, typewriters. Maintains and files vehicle historical data and records jackets.

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

4.4.2.3. Analyzes data for deviations from specific performance indicators and helps to develop corrective actions.

4.4.3. **Specialty Qualifications:**

4.4.3.1. Knowledge. Knowledge is mandatory of: fleet management, maintenance control and analysis, maintenance responsibilities, maintenance data collection and reporting procedures, and small computer operations.

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

4.4.3.3. Training. For award of AFSC 2T337, completion of the vehicle management and analysis apprentice course is mandatory.

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

4.4.3.4.1. 2T357. Qualification in and possession of AFSC 2T337. Also, experience in functions such as fleet management, maintenance control and analysis, quality control, or maintenance work center operations, and obtaining parts and materials for use in vehicle maintenance.

4.4.3.4.2. 2T377. Qualification in and possession of AFSC 2T357 and completion of the vehicle management and analysis craftsman course. Also, experience performing or supervising functions such as fleet management, maintenance control and analysis, quality control, or maintenance work center operations, and in obtaining parts and materials for use in vehicle maintenance.

4.4.3.5. Other. The following are mandatory for entry into this specialty:

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

4.5. VEHICLE AND VEHICULAR EQUIPMENT MAINTENANCE

4.5.1. **Specialty Summary:** Supervises and performs vehicle and equipment maintenance activities and functions to include diagnostics, repairs, rebuilding of components and assemblies, fabrication of parts, replacement of body panels and refinishing of exteriors. Ensures compliance with vehicle maintenance policies, directives and procedures. Related DoD Occupational Sub-group: 610.
4.5.2. **Duties and Responsibilities:**
4.5.2.1. Plans and schedules vehicle, equipment and vehicle body maintenance activities. Plans and controls work methods, production schedules, operating procedures and performance standards. Monitors 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.
4.5.2.2. Inspects and evaluates vehicles, equipment and vehicle body maintenance functions. Diagnoses malfunctions of major assemblies and subassemblies to determine the extent of repair, 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 unserviceable tools and equipment are removed from service and condition tagged. Identifies deficiencies and initiates materiel deficiency reports at workcenter level.
4.5.2.3. Performs vehicle, equipment, and allied trades 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. Repairs, replaces and aligns damaged body sections, upholstery, and accessories. Prepares and finishes painted surfaces. Cuts, grinds, repairs, and installs vehicle glass and Plexiglas. Welds vehicle parts and accessories, and operates industrial sewing machines.
4.5.2.4. Practices and ensures compliance with all established safety policies and standards. Implements hazardous waste management policies and procedures ensuring collection, control and disposition of hazardous and toxic waste material accumulations.
4.5.3. **Specialty Qualifications:**
4.5.3.1. Knowledge. Knowledge is mandatory of: principles of vehicle maintenance; Air Force Occupational Safety and Health Standards; training programs and procedures; simple mathematical computations; alternative fuel, diesel, and gasoline engines; fuel; suspension; steering; and air/hydraulic brake systems; automatic and standard transmissions; driving axles; power trains; electrical and wiring systems; pump and dispensing systems; equipment; vehicles; use of oxyacetylene and electrical welding equipment; metal working methods; mixing and applying primers; paints; fillers and solvents; handling and storing paint and epoxy; using stencils; spray guns; respirators; buffing and sanding equipment and industrial sewing machines; body work; battle damage repair; supply discipline and procedures for obtaining parts, supplies and equipment.
4.5.3.2. Education. Not used.
4.5.3.3. Training. For award of AFSC 2T370, completion of vehicle maintenance craftsman course is mandatory. . AFSC 2T355 personnel selected for SSgt will complete L5AQN2TXXX-XXX Common Core course (in-residence at Port Hueneme) prior to upgrade to 2T370.
4.5.3.4. Experience. Qualification in and possession of AFSC 2T351, 2T352A, 2T352B, 2T352C or 2T355 is mandatory. Also, experience in supervising functions such as inspecting, repairing, modifying and troubleshooting vehicular and equipment systems, automotive body repair and refinishing, fabrication, mixing and applying paints, upholstery, operating industrial sewing machines and welding.
4.5.3.5. Other. The following are mandatory for entry into this specialty:
4.5.3.5.1. Normal color vision as defined in AFMAN 48-123, *Medical Examination and Standards.*
4.5.3.5.2. Qualification to operate government vehicles according to AFI 24-301, *Vehicle Operations.*

Ref: AFMAN 36-2108, *31 October 2003*

AFSC 2T390, Superintendent
AFSC 2T300, CEM

4.6. VEHICLE MAINTENANCE

4.6.1. **Specialty Summary**. Manages vehicle maintenance activities and programs. Activities include the inspection, diagnostics, repair, modification, refinishing, and data collection for the vehicle and equipment fleet. Programs include maintenance analysis, quality assurance, training and material control. Related DOD Occupational Subgroup: 704.

4.6.2. **Duties and Responsibilities:**

4.6.2.1. Plans, organizes, and directs vehicle maintenance and fleet 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 maintenance activities responsible for vehicle repair, analysis, training, parts procurement and contingency planning to ensure effective use of maintenance resources. Develops identification and processing procedures for vehicle abuse, accident, misuse and incident cases.

4.6.2.2. Manages the vehicle maintenance and fleet management functions of repair, control, analysis, parts supply, diagnostics, and quality assurance to ensure cost effective, efficient operations. Provides accountability for tools, equipment, space, supplies, and facilities. Validates limited technical inspection reports, depot level repair requirements, manpower changes, requirements, and facility upgrades. Monitors related contracts and identifies problems to the contract administrator. Supervises maintenance programs affecting depot level repair, shipment of vehicles, maintenance priorities, record keeping, material deficiency reporting, scheduled maintenance, and analysis to ensure regulatory compliance. Oversees the collection, control and disposition of hazardous and toxic waste material accumulations. Ensures compliance with developed safety practices, policies, and standards.

4.6.2.3. Periodically inspects maintenance, repair sections, analysis, and material control. Determines operational status and solves complex maintenance, fleet management, supply, and personnel problems. Analyzes 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.

4.6.3. **Specialty Qualifications:**

4.6.3.1 Knowledge. Knowledge is mandatory of: maintenance and fleet management policies and procedures; maintenance analysis activities; contract administration and evaluation; supply and inventory management; publications; technical order and material deficiency reporting systems; on-line vehicle interactive management system; base supply procedures, table of allowances; training requirements and programs; Air Force manpower standards and their application; facility requirements; and Air Force Occupational Safety and Health standards.

4.6.3.2. Education. Not used.

4.6.3.3. Training. Not used.

4.6.3.4. Experience. Qualification in and possession of AFSC 2T370, or 2T377. Also, experience is mandatory managing functions such as vehicle maintenance and fleet management activities.

4.6.3.5. Other. The following are mandatory for entry into this specialty:

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

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

5.1. **Apprentice (3-skill level):** Upon completion of initial skills training, trainees work with a trainer to enhance their knowledge and skills. Individuals will use a combination of CDCs, on-the-job-training (OJT) and advanced courses to progress in the career field. Education towards a Community College of the Air Force (CCAF) degree should continue. The minimum time in 5-skill level upgrade training is 15 months.

5.2. **Journeyman (5-skill level):** Once upgraded to the 5-level, journeymen will enter into continuation training to broaden their experience base. Typical job positions for 5-levels include positions requiring supervisory skills such as OJT trainer, quality assurance inspector, or section supervisor. Five-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. After ALS, 5-levels will be considered for appointment as unit trainers. 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. AFM 24-307, *Procedures for Vehicle Maintenance Management*, (1 Feb 2000*)* paragraph 5.2.3., mandates that mechanic technicians in upgrade training to the 7-skill level rotate through each section of vehicle maintenance. In order to gain a working knowledge of each section, the minimum time in 7-skill level upgrade training is 18 months for AFSCs 2T3X1, 2T3X2A, 2T3X2B, 2T3X2C, and 2T3X5.

5.3. **Craftsman (7-skill level):** Craftsmen can expect to fill various supervisory and management positions and may be assigned to higher headquarters staff positions and 2T3XX formal schools. Attendance in-residence, to the Vehicle Management and Analysis Craftsman course or the Vehicle Maintenance Craftsman course is mandatory before award of the 7-skill level. AFSC 2T355 personnel selected for SSgt will complete L5AQN2TXXX-XXX Common Core course (in-residence at Port Hueneme) prior to upgrade to 2T370. Personnel are encouraged to take additional courses to obtain added knowledge on management of resources and personnel. Continue academic education through CCAF and higher degree programs. In addition, when promoted to Technical Sergeant, individuals will attend the Noncommissioned Officer Academy.

5.4. **Superintendent (9-skill level):** A 9-level is expected to fill leadership, supervisory, and management positions such as vehicle maintenance manager or 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 maintenance 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 Utilization and Training Workshop (U&TW) held August, 2001, 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.

6.1.2. **Upgrade Training** - Personnel progressing towards AFSCs 2T351, 2T352A, 2T352B, and 2T352C are required to complete CDCs 2T351A and 2T351B prior to taking their AFSC specific volume(s). Completion of CDC 2T355 is required for personnel progressing to AFSC 2T355. Note: Personnel in AFSC 2T355 are also encouraged to complete CDCs 2T351A/B upon upgrade to the 5-skill level. Successful completion of CDCs 2T375A and 2T375B are required for award of AFSC 2T370. AFSC 2T355 personnel selected for SSgt will complete L5AQN2TXXX-XXX Common Core course (in-residence at Port Hueneme) prior to upgrade to 2T370. Completion of CDC 2T357 is required for personnel progressing to AFSC 2T357.

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

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

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

7.3. **Applicability.** The **Vehicle Maintenance** program applies to occupational specialties: 2T3X0, 2T3X1, 2T3X2A/B/C, 2T3X7, and 2T3X5.

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

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

Subjects/Courses	*Semester Hours*
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, and Hardware	6
Vehicle Heating/Air Conditioning	3
Vehicle Integrated Management System	7
Welding	8

7.3.4. **Technical Electives**

Subjects/Courses	*Semester Hours*
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.

Subjects/Courses	*Semester Hours*
Oral Communication Speech	3
Written Communication English Composition	3
Mathematics 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 General Education Requirement.	3
Social Science Anthropology, Archaeology, Economics, Geography, Government, History, Political Science, Psychology, Sociology	3
Humanities Fine Arts (History, Criticism, and Appreciation), Foreign Language, Literature, Philosophy, Religion	3

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

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

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

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

7.4.2. **Technical Education** (24 Semester Hours): A minimum of 12 semester hours of Technical Core subjects/courses must be applied and the remaining semester hours applied from Technical Core/Technical Elective courses. Requests to substitute subjects/courses must be approved in advance by the Services Branch. Refer to the CCAF General Catalog for Application of Courses to the Technical Education area.

7.4.3 **Technical Core**

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

7.4.4. **Technical Electives**

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

7.4.5. **Leadership, Management, and Military Studies** (6 Semester Hours): Professional military education and/or civilian management courses.
7.4.6. **Physical Education** (4 Semester Hours): This requirement is satisfied by completion of Basic Military Training.
7.4.7. **General Education** (15 Semester Hours): Applicable courses must meet the criteria for application of courses to the General Education Requirements (GER) and be in agreement with the definitions of applicable General Education subjects/courses as provided in the CCAF General Catalog.

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

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

7.4.9. Additional off-duty education is encouraged for all. Certification through organizations such as the Automotive Service Excellence (ASE) is also encouraged. Individuals desiring to become an Air Education and Training Command Instructor should be actively pursuing an associates degree. A degreed faculty is necessary to maintain accreditation through the Southern Association of Colleges and Schools.

8. Vehicle Maintenance Career Path.

Table A6.2. Enlisted Career Path				
Education and Training Requirements	**GRADE REQUIREMENTS**			
	Rank	Average Sew-On	Earliest Sew-On	High Year Of Tenure (HYT)
Basic Military Training school				
Apprentice Technical School (3-Skill Level)	Amn	6 months		
Upgrade To Journeyman (5-Skill Level) - Minimum 15 months on-the-job training (retrainees, minimum 9 months) - Complete appropriate CDC if/when available	A1C SrA	16 months 3 years	 28 months	 10 Years
Airman Leadership School (ALS) - Must be a SrA with 48 months time in service or be a SSgt Selectee - Resident graduation is a prerequisite for SSgt sew-on (Active Duty Only)	**Trainer** - Possess the same AFSC at a higher skill level than the trainee, and be certified to train others - Must attend formal OJT Trainer Training and be appointed by the Commander			
Upgrade To Craftsman (7-Skill Level) - Minimum rank of SSgt - 18 months OJT (retrainees, minimum 12 months) - Complete appropriate CDC if/when available, core and duty tasks prior to attending Craftsman Course - Craftsman Course	SSgt	7.5 years	3 years	20 Years
	Certifier - Possess at least a 5-skill level in the same AFSC, if possible but not required - Minimum rank SSgt or civilian equivalent - Attend formal OJT Certifier Course and be appointed by the Commander - Be a person other than the trainer			
Noncommissioned Officer Academy (NCOA) - Must be a TSgt or TSgt Selectee - Resident graduation is a prerequisite for MSgt sew-on (Active Duty Only)	TSgt MSgt	12.5 years 16 years	5 years 8 years	22 Years 24 Years
USAF Senior NCO Academy (SNCOA) - Must be a SMSgt or SMSgt Selectee, or selected MSgt - Resident graduation is a prerequisite for CMSgt sew-on (Active Duty Only)	SMSgt	19.2 years	11 years	26 Years
Upgrade To Superintendent (9-Skill Level) - Minimum rank of SMSgt	CMSgt	21.5 years	14 years	30 Years

Section C - Skill Level Training Requirements

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

10. Specialty Qualification:
10.1. **Apprentice (3-Level)**
10.1.1. **Qualifications and Knowledge.**
10.1.1.1. **AFSC 2T331, 2T332A, 2T332B, 2T332C, 2T335.** An individual must understand basic system theory of operation and perform certain organizational level maintenance tasks under close supervision to perform duties at the 3-skill level. Additionally a 3-level must be able to use technical data, common hand tools, and special test equipment.
10.1.1.2. **AFSC 2T337**. An individual must understand basic functions of the control board, have the ability to obtain requested reports, and be able to control workflow with minimum supervision.
10.1.2. **Training Sources**. The initial skills courses will provide the required knowledge and qualifications.
10.1.3. **Implementation**. Upon graduation from Basic Military Training, airmen are assigned to the training center for completion of technical training courses.
10.2. **Journeyman (5-Level)**.
10.2.1. **Qualification and Knowledge**.
10.2.1.1. **AFSC 2T351, 2T352A, 2T352B, 2T352C, 2T355.** In addition to the 3-level qualifications, an individual must possess the knowledge and skills necessary to maintain equipment and conduct training classes.
10.2.1.2. **AFSC 2T357**. In addition to the 3-level qualifications, an individual must possess the knowledge and skills to perform basic analysis and be able to interpret and present data.
10.2.2. **Training Sources**. The 5-level CDC provides required career knowledge training. Qualification training and OJT provides training and qualification on the core tasks identified in the STS. The CDC is written to build from the trainee's current knowledge base, and provides more in-depth knowledge to support OJT requirements.
10.2.3. **Implementation**. Training to the 5-level is performed at unit level using STS exportable courses, and CDCs. Upgrade to the 5-level requires completion of applicable CDCs, certification on all core tasks, and minimum 15 months in upgrade training.
10.3. **Craftsman (7-Level).**
10.3.1. **Qualification and Knowledge.**
10.3.1.1. **AFSC 2T370 (AFSCs: 2T351, 2T352A, 2T352B, 2T352C, 2T355 merge at the 7-skill level).** In addition to the 5-level qualifications, individuals must possess advanced skills and knowledge of theory, concepts, principles and application of vehicle systems. To be awarded a 7-Skill level, individuals must be able to supervise and train personnel to maintain systems, and to see that they are able to plan, schedule, and organize maintenance to ensure effective use of available resources.
10.3.1.2. **AFSC 2T377**. In addition to the 5-level qualifications, individuals must possess advanced skills and knowledge of analysis, data interpretation/presentation, and management of the vehicle fleet. To be awarded a 7-skill level, individuals must be able to supervise and train personnel in all aspects of vehicle management and analysis.
10.3.2. **Training Sources**. Training for 7-Skill level upgrade will be conducted by certified trainers using the STS, unit/MAJCOM specific courses, 7-level CDCs if/when available, and the formal 7-level courses. The 7-level courses are written to provide knowledge and management skills. If required, develop and provide exportable courses to field units to help standardize OJT and enhance training.
10.3.3. **Implementation**. Upgrade to the 7-level will require completion of the applicable 7-level CDC, certification of all core tasks and completion of the 7-level course. Complete the 7-level CDC if/when available before attending the 7-level course.
10.4**. Superintendent (9-Level), AFSCs 2T370 and 2T377 merge at the 9-skill level.**
10.4.1. **Qualification and Knowledge**. In addition to 7-level qualifications, individuals must possess advanced skills and knowledge of concepts and principles in management. Personnel at the 9-Skill level are considered to be effective leaders who are able to forecast, budget and manage funding, and other assigned resources.
10.4.2. **Training Sources**. None.
10.4.3. **Implementation**. Award the 9-level upon Senior Master Sergeant sew-on.

Section D - Resource Constraints

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

12. Apprentice Level Training:
12.1. **Constraints.** Port Hueneme training for AFSCs 2T331, 2T332A/B/C and 2T337 is at full capacity and has limited wartime surge training capability.

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

14. Seven Level Training:
14.1. **Constraints.** AFSC 2T370 fire fighting vehicle dispensing system training is hindered by environmental guidance limiting use of Aqueous Film Forming Foam (AFFF).

Section E - Transition Training Guide.

AFSCs 2T351, 2T352A, 2T352B, 2T352C, and 2T355 merge at the 7-skill level (AFSC 2T370). AFSC 2T355 personnel selected for SSgt may attend L5AQN2TXXX-XXX Common Core course in-residence at Naval Base Ventura County, Port Hueneme, California. Prior to award of AFSC 2T370, all personnel will compete CDCs 2T370 and enter into a work center rotation plan to gain experience in the merging AFSCs. Vehicle management and analysis personnel indirectly converted from AFSC 2T1X1 to 2T3X7 should complete 2T3X7 CDCs. Additionally, personnel indirectly converted should be scheduled to attend the formal transition course after the course is certified and approved for instruction. Upon completion of CDCs if/when available, personnel will attend their respective in-residence craftsman course (2T370/2T377). AFSCs 2T370 and 2T377 merge at the 9-skill level (2T390). No additional training is required.

BY ORDER OF THE SECRETARY OF THE AIR FORCE

OFFICIAL

DONALD J. WETEKAM, Lieutenant General, USAF
Deputy Chief of Staff, Installations & Logistics

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Part II

Section A - Specialty Training Standards

1. VEHICLE AND VEHICULAR EQUIPMENT MAINTENANCE APPRENTICE AND JOURNEYMAN; SPECIAL VEHICLE MAINTENANCE APPRENTICE AND JOURNEYMAN; VEHICLE BODY MAINTENANCE APPRENTICE AND JOURNEYMAN, AND VEHICLE MAINTENANCE CRAFTSMAN

1.1. Implementation. This Specialty Training Standard (STS) for technical training provided by the Air Education and Training Command (AETC) applies to class entering 1 Mar 04 and graduating 17 Jun 04 for AFSC 2T3X1, to class entering 29 Mar 04 and graduating 28 Jul 04 for AFSC 2T3X2A, to class entering 1 Mar 04 and graduating 14 Jun 04 for AFSC 2T3X2B, to class entering 12 Apr 04 and graduating 2 Aug 04 for AFSC 2T3X2C, and to class entering 2 Mar 04 and graduating 28 May 04 for AFSC 2T3X5.

1.2. Purpose. As prescribed in AFI 36-2201, this STS:
1.2.1. Lists the mandatory and general tasks, knowledge, and technical references (TR) necessary for airmen to perform duties at the 3-,5-, and 7-skill level AFSCs 2T3X1/2T3X2/2T3X5 ladders of the Airman Vehicle Maintenance Career Field. These tasks are based on an analysis of the duties and responsibilities contained in AFMAN 36-2108. Completion of non-mandatory tasks (tasks not identified by characters/symbols), but pertinent to the unit, will be accomplished as tasks become available for training.
1.2.2. Provides On-the-Job (OJT) certification columns in attachment 2 to record completion of task and knowledge training requirements.
1.2.3. Shows formal training requirements. The 3 level course column shows the proficiency to be demonstrated on the job by the graduate as a result of training in courses L5AQN2T331 001 (PDS Code 5RI) and L3ABP2T331 001 (PDS Code INP); L5AQN2T332A 000 (PDS Code 5RI), L3ABP2T332A 000 (PDS Code 1I3); L5AQN2T332B 000 (PDS Code 5RI), L3ABP2T332B 000 (PDS Code 1I4); and L5AQN2T332C 000 (PDS Code 5RI), L3ABP2T332C 000 (PDS Code I9Y) as described in the ETCA. When two codes are used in the 3-level course column, the first code is the established requirement for resident training on the task/knowledge. The second code is the level of training in the course due to resource constraints. Items in Core/Wartime Tasks column marked with an "*" are tasks/knowledge that are trained in the resident wartime course.

1.2.4. **Qualitative Requirements.** Attachment 1 contains the proficiency code key used to indicate the level of training and knowledge provided by resident training and career development courses.
1.2.5. Becomes an Air Force Job Qualification Standard (AFJQS) for OJT when placed in an OJT Record, and used according AFI 36-2201. For OJT and prior to award of the 5-skill level, supervisors will ensure:
1.2.5.1. Trainees perform those core tasks for their AFSC that have a "5" in column 2, Core/Wartime Tasks. Mandatory "core task" elements for each of the AFSCs are those tasks identified with a #, a, b, c, d, or v in Core/Wartime Tasks (column 2), to include any tasks designated by the unit. The following chart shows the "core task' symbols that are used to indicate the AFSC or AFSCs to which they apply:
# = Required training before upgrade to the 5-level in AFSCs 2T351, 2T352A, 2T352B, and 2T352C covered by this STS
v = Required training before upgrade for personnel in the 2T3X1 AFSC
a = Required training before upgrade for personnel in the 2T3X2A AFSC
b = Required training before upgrade for personnel in the 2T3X2B AFSC
c = Required training before upgrade for personnel in the 2T3X2C AFSC
d = Required training before upgrade for personnel in the 2T3X5 AFSC
7 = Required training before upgrade to the 7-level in AFSCs 2T370 (From 2T351, 2T352A, 2T352B, 2T352C, and 2T355)

1.2.5.2. Each trainee must demonstrate the ability to complete the tasks (Go/No-go principle) indicated in the 5-level OJT column for the mandatory, (MUST DO) "core" task element in Core/Wartime Tasks column prior to task certification. Mandatory "core" task elements are those elements identified with a #, a, b, c, d, or v character in the Core/Wartime Tasks column.
1.2.5.3. Trainee successfully completes Career Development Course (CDC) prescribed in paragraph 1.2.5. below.
1.2.5.4. Trainee is provided an initial evaluation upon the trainee's enrollment into upgrade training. Feedback

sessions will be accomplished and documented on the appropriate documents and maintained in the trainee's OJT record.
1.2.5.5. Every applicable STS item is initialed by the trainee, trainer, and task certifier in the appropriate column IAW AFI 36-2201.
1.2.5.6. Career knowledge is provided in the 5-skill level CDC. Enter trainee into 5-level upgrade training and start 5-level CDCs IAW AFI 36-2201. See ECI/AFSC/CDC listing maintained by the unit OJT manager for current CDC listings.
1.2.5.7. **Documentation.** Because this STS covers more than one AFSC, the supervisor circles the applicable AFSC for each trainee. (The AFSC title this STS applies to are at the top of each page of the STS.) Document and certify completion of training. Identify duty position requirements by circling the subparagraph number next to the task statement. As a minimum, complete the following columns in Part 2 of the CFETP: Training Completed, Trainee Initials, Trainer Initials, Certifier Initials (if applicable). Task(s) identified by local unit as not available for training need(s) to be annotated on an AF Form 623a in the member's OJT records. Use the following procedures to document training using this STS:
1.2.5.7.1 A trainee is formally entered into training on a task when the supervisor enters a date in the "Trng Start" column of the STS.
1.2.5.7.2. When training is complete, the task is certified per AFI 36-2201. The date training was completed is entered in the "Trng Complete" column by the supervisor or trainer (whoever conducts the training), who then initials the task item in the "Trainer Initials" column. The task certifier will evaluate the trainee and initial "Certifier Initials" column after completion of training. The final step to certification of a task is acknowledgment of training by the trainee. The trainee is required to initial all task items in the "Trainee Initials" column when training is complete. By initialing the task, the trainee is certifying that training was received, and he or she is capable of performing the task.

1.2.5.7.3. **Converting from an Old CFETP to a New CFETP.** Use the CFETP to identify and certify all past and current qualifications. For those tasks previously certified and required in the current position, evaluate current qualification and when verified, recertify using current date as completion date and enter trainees' and certifier's initials for core and critical tasks; for non-core and non-critical task enter trainees' and trainers initials. (NOTE: For transcribing procedures, the supervisor fulfills the role of a certifier and places initials in the certifier column.) For previous certification on tasks not required in the current duty position, carry forward *only* the previous completion date. If and when these tasks become a duty position requirement, recertify with current date and enter trainees' and certifier's initials.

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

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

1.2.5.8. **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. Is a guide for development of promotion tests used in the Weighted Airman Promotion System (WAPS). Specialty Knowledge Tests (SKTs) are developed at the USAF Occupational Measurement Squadron by senior NCOs with extensive practical experience in their career fields. The tests sample knowledge of STS subject matter areas judged by test development team members as most appropriate for promotion to higher grades. Questions are based upon study references listed in the WAPS catalog. Individual responsibilities are in chapter 14 of AFI 36-2606, *US Air Force Reenlistment, Retention, and NCO Status Programs* (formerly AFR 35-16, volume 1). WAPS is not applicable to the Air National Guard.

1.3. Recommendations. Report unsatisfactory performance of individual course graduates to 345 TRS/DORP, 1015 Femoyer Street, Lackland AFB TX 78236-5404. Report inadequacies of this STS through command channels to HQ USAF/ILGP, referencing specific STS paragraphs. A customer service information line has been installed for supervisors' convenience to identify graduates who may have been over or under trained on task/knowledge items listed in this training standard. For a quick response to problems, call the customer service information line, DSN 473-2917, from 0730 - 1630 CST/CDST.

NOTE 1: Users are responsible for updating training references pending revision of this STS.

NOTE 2: Items in Core/Wartime Tasks column marked with an asterisk (*) are the task/knowledge that are trained in resident wartime courses.

NOTE 3: Items in Core/Wartime Tasks column marked with a symbol/character (#, a, b, c, d, v, 5) are mandatory "core" tasks that must be completed before the 5-skill level can be awarded. Where a "core" task can not be completed because a specific vehicle or piece of equipment is not assigned or available for training, the supervisor enters comments to that effect on the STS and the 5-level skill can then be awarded when all other training and certifications are complete.

"#" = Required training before upgrade to the 5-level in AFSCs 2T351, 2T352A, 2T352B, and 2T352C covered by this STS

v = Required training before upgrade for personnel in the 2T3X1 AFSC
a = Required training before upgrade for personnel in the 2T3X2A AFSC
b = Required training before upgrade for personnel in the 2T3X2B AFSC
c = Required training before upgrade for personnel in the 2T3X2C AFSC
d = Required training before upgrade for personnel in the 2T3X5 AFSC
7 = Required training before upgrade to the 7-level in AFSCs 2T370 (From 2T351, 2T352A, 2T352B, 2T352C, and 2T355)

STS 2T3X1, 2T3X2A, 2T3X2B, 2T3X2C, 2T3X5, 2T370

This Block Is For Identification Purposes Only		
Name Of Trainee		
Printed Name (*Last, First, Middle Initial*)	Initials (Written*)*	SSAN
Printed Name Of Trainer / Certifying Official And Written Initials		
N/I	***N/I***	
N/I	***N/I***	
N/I	***N/I***	
N/I	***N/I***	
N/I	***N/I***	
N/I	***N/I***	
N/I	***N/I***	
N/I	***N/I***	
N/I	***N/I***	
N/I	***N/I***	
N/I	***N/I***	
N/I	***N/I***	
N/I	***N/I***	
N/I	***N/I***	
N/I	***N/I***	
N/I	***N/I***	
N/I	***N/I***	
N/I	***N/I***	
N/I	***N/I***	
N/I	***N/I***	
N/I	***N/I***	
N/I	***N/I***	

QUALITATIVE REQUIREMENTS

Proficiency Code Key		
	Scale Value	Definition: The individual
Task Performance Levels	1	Can do simple parts of the 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 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 others how to do the task. (Highly Proficient)
*Task Knowledge Levels	a	Can name parts, tools, and simple facts about the task. (Nomenclature)
	b	Can determine step by step procedures for doing the task. (Procedures)
	c	Can identify why and when the task must be done and why each step is needed. (Operating Principles)
	d	Can predict, isolate, and resolve problems about the task. (Advanced Theory)
**Subject Knowledge Levels	A	Can identify basic facts and terms about the subject. (Facts)
	B	Can identify relationship of basic facts and state general principles about the subject. (Principles)
	C	Can analyze facts and principles and draw conclusions about the subject. (Analysis)
	D	Can evaluate conditions and make proper decisions about the subject. (Evaluation)

Explanations

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

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

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

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

Explanations for Core/Wartime Tasks (Column 2)

An asterisk "*" identifies a wartime task that is taught in technical school when classes are accelerated in a wartime environment.

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1. Tasks, Knowledge And Technical References	2. Core/ War-time Tasks (See Note)	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Page 27)					
		A	B	C	D	E	A 3 Skill Level		B 5 Skill Level		C 7 Skill Level	
		Tng Start	Tng Compl	Trainee Initials	Trainer Initials	Cert Initials	(1) Course	(2) CDC	(1) Course	(2) CDC	(1) Course	(2) CDC
1. CAREER PATH IN VEHICLE MAINTENANCE TR: AFI 36-2101, AFMAN 36-2108, AFVA 36-212							-			-	-	-
2. SPECIFIC OPERATION SECURITY (OPSEC) VULNERABILITIES of AFSC 2T3XX TR: AFI 10-1101, AFR 55-36							-			-	-	-
3. AF OCCUPATIONAL SAFETY AND HEALTH (AFOSH) PROGRAM TR: AFIs 32-2001, 32-7045, 32-7042, 32-7080, 91-202, 91-302, AFR 127-2, AFPAM 36-2241 (Vol 1), Applicable AFOSH STDS, TOs 34-1-3, 36-1-191												
3.1. Practice personnel and shop safety	*5						2b			b	-	b
3.2. AFOSH standards for AFSC 2T3XX							-			B	-	B
3.3. Initial Federal Hazard Communication Training Program	*						A			-	-	-
3.4 Ensure environmental compliance												
3.4.1. Hazardous waste management	*5						a			b	-	b
3.4.2. Pollution prevention	*5						a			b	-	b
3.4.3. Waste minimization	*5						a			b	-	b
3.4.4. Hazardous material management	*5						a			b	-	b
4. SUPERVISION AND TRAINING TR: AFIs 24-302, 36-2201, 36-2301, 36-2403; AFMs 36-2236, 36-2108; AFMAN 24-307; AFPAM 36-3627												
4.1. Supervision												
4.1.1. Coordinate work with other work centers	7						-			-	-	b
4.1.2. Plan work assignments IAW priorities	7						-			-	-	b
4.1.3. Assign maintenance work							-			-	-	b
4.1.4. Supervise personnel performing												
4.1.4.1. Maintenance							-			-	-	b
4.1.4.2. Inspection							-			-	-	b
4.1.5. Evaluate performance of personnel TR: AFIs 36-2403, 36-2907; AFPAM 36-3627							-			-	-	b
4.1.6. Justify												
4.1.6.1. Personnel							-			A	-	B
4.1.6.2. Equipment							-			A	-	B

1. Tasks, Knowledge And Technical References	2. Core/ War-time Tasks (See Note)	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Page 27)					
		A	B	C	D	E	A 3 Skill Level		B 5 Skill Level		C 7 Skill Level	
		Tng Start	Tng Compl	Trainee Initials	Trainer Initials	Cert Initials	(1) Course	(2) CDC	(1) Course	(2) CDC	(1) Course	(2) CDC
4.1.7 Recommend policy changes on utilization of TR: AF Manpower Standards 42B1, ASC457, ASC012, ASC403												
4.1.7.1. Personnel							-			A	-	B
4.1.7.2. Equipment							-			A	-	B
4.2. Training												
4.2.1. Evaluate personnel training needs	7						-			-	2b	-
4.2.2. Plan and supervise OJT												
4.2.2.1. Prepare Job Qualification Standard							-			-	-	-
4.2.2.2. Motivate trainers and trainees							-			-	-	-
4.2.2.3. Counsel trainers and trainees on training program							-			-	-	-
4.2.2.4. Monitor effectiveness of												
4.2.2.4.1. Career knowledge upgrade training							-			-	-	-
4.2.2.4.2. Job proficiency upgrade training							-			-	-	-
4.2.2.4.3. Qualification training							-			-	-	-
4.2.3. Maintain training records	7						-			-	-	-
4.2.4. Evaluate effectiveness of training programs							-			-	-	-
4.2.5. Recommend personnel for training TR: ETCA							-			-	-	-
5. VEHICLE MAINTENANCE PUBLICATIONS TR: AFPD 21-3, AFIs 37-160 (Vol 1, 7), 36-2201; TOs 00-5-1, 00-5-2, 00-5-15, 00-5-18												
5.1.. Standard publications	*5						A			B	-	-
5.2. Technical orders and publications												
5.2.1. Locate specific information	*5						2b			b	-	-
5.2.2. Maintain files							-			-	-	-
6. VEHICLE MAINTENANCE (MATERIEL CONTROL)												
6.1. Property responsibility and accountability TR: AFI 24-302; AFMAN 24-307	5						-			B	-	B
6.2. Cross reference part numbers and stock numbers TR: AFI 24-302; AFMAN 24-307; Supply FEDLOG Program	5						-			b	-	-

STS 2T3X1, 2T3X2A, 2T3X2B, 2T3X2C, 2T3X5, 2T370

1. Tasks, Knowledge And Technical References	2. Core/ War-time Tasks (See Note)	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Page 27)					
		A	B	C	D	E	A 3 Skill Level		B 5 Skill Level		C 7 Skill Level	
		Tng Start	Tng Compl	Trainee Initials	Trainer Initials	Cert Initials	(1) Course	(2) CDC	(1) Course	(2) CDC	(1) Course	(2) CDC
7. VEHICLE MAINTENANCE MANAGEMENT TR: AFIs 24-301, 24-302, 24-303; AFMANs 24-307, TOs 36-1-191												
7.1. Functions of transportation management units							-			B	-	-
7.2. Responsibilities of vehicle maintenance staff							-			B	-	-
7.3. Functions of vehicle maintenance units							-			B	-	-
7.4. Develop budget inputs with justification	7						-			b	2b	-
7.5. Determine contingency operations and wartime requirements	7						-			-	2b	b
8. MAINTENANCE DATA COLLECTION TR: AFI 24-302, AFCCM 24-1												
8.1. Interpret maintenance data collection reports	7						-			b	2b	-
8.2. Fill out maintenance data collection forms	5						-			b	-	-
9. SPECIAL MAINTENANCE POLICIES AND PROCEDURES TR: AFI 24-302; AFMAN 24-307; TOs 36-1-191, 36A-1-6												
9.1. Winterize vehicles TR: TOs 36-1-7, 36A-1-6												
9.1.1. Type A							-			b	-	-
9.1.2. Type B							-			b	-	-
9.1.3. Type C							-			b	-	-
9.2. Comply with corrosion control procedures TR: TOs 36-1-191, 36-1-131							-			b	-	-
9.3. Prepare vehicles for storage TR: TO 36-1-191	5						-			b	-	-
9.4. Prepare vehicles for shipment TR: TO 36-1-191	5						-			b	-	-
9.5. Prepare materiel deficiency reports TR: TOs 00-35D-54, 36-1-191	7						-			b	2b	
9.6. Warranty policies TR: TO 36-1-191							-			B	-	-
9.7. TCTOs/Service Bulletins TR: AFIs 24-302, 37-160 (Vol 1); TOs 0-1-01, 00-5-15												
9.7.1. Accomplish	5						-			b	-	-
9.7.2. Monitor	7						-			b	2b	-
9.8. Prepare depot maintenance plan							-			b	2b	-

1. Tasks, Knowledge And Technical References	2. Core/ War-time Tasks (See Note)	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Page 27)					
		A	B	C	D	E	A 3 Skill Level		B 5 Skill Level		C 7 Skill Level	
		Tng Start	Tng Compl	Trainee Initials	Trainer Initials	Cert Initials	(1) Course	(2) CDC	(1) Course	(2) CDC	(1) Course	(2) CDC
10. TOOLS AND TEST EQUIPMENT TR: TOs 32 Series, 33 Series, 34 Series, 36 Series												
10.1. Identify	*						A			-	-	-
10.2. Inspect	*						A			-	-	-
10.3. Perform preventive maintenance							-			-	-	-
10.4. Service							-				-	-
10.5. Use	*5						2b			-	-	-
11. PERFORM MAINTENANCE INSPECTIONS TR: TOs 36-1-191, 33 Series, 35 Series, 36 Series, 38 Series												
11.1. Operator	5						-			b	-	-
11.2. Scheduled	#/7						-			b	-	-
11.3. Annual	#/7						-			b	-	-
11.4. Special	5						-			b	-	-
11.5. Technical (LTI)	5						-			b	-	-
11.6. Quality assurance	5						-			b	-	-
12. GASOLINE ENGINES TR: TOs 33, 35, 36 and 38 Series												
12.1. Fundamentals	*						B			B	-	B
12.2. Disassemble	*						2b			b	-	-
12.3. Assemble	*						2b			b	-	-
12.4. Remove and install											-	
12.4.1. Engines							-			b	-	-
12.4.2. Expansion plugs							-			-	-	-
12.4.3. Motor mounts							-			-	-	-
12.4.4. Oil coolers							-			b	-	-
12.5. Inspect engine parts	*#/7						2b			b	-	-
12.6. Test cylinder compression	*#/7						2b			b	-	-
12.7. Fundamentals of engine systems												
12.7.1. Cooling	*						B			B	-	B
12.7.2. Lubrication	*						B			B	-	B
12.7.3. Valve train	*						B			B	-	B
12.7.4. Fuel/air	*						B			B	-	B
12.7.5. Emission control	*						B			B	-	B
12.7.6. Computer control systems	*						B			B	-	B
12.8. Trace emission control system diagrams/schematics	*						2b			b	-	-

1. Tasks , Knowledge And Technical References	2. Core/ War-time Tasks (See Note)	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Page 27)					
		A	B	C	D	E	A 3 Skill Level		B 5 Skill Level		C 7 Skill Level	
		Tng Start	Tng Compl	Trainee Initials	Trainer Initials	Cert Initials	(1) Course	(2) CDC	(1) Course	(2) CDC	(1) Course	(2) CDC
12.9. Isolate malfunctions												
12.9.1. Cooling malfunctions	*#/7						2b			b	-	-
12.9.2. Lubrication system	#/7						-			b	-	-
12.9.3. Valve train	*#/7						2b			b	-	-
12.9.4. Fuel/air system	*#/7						2b			b	-	-
12.9.5. Emission control system	*#/7						2b			b	-	-
12.10. Adjust												
12.10.1. Fuel systems												
12.10.1.1. Carburetor float levels							-			b	-	-
12.10.1.2. Carburetor air/fuel mixtures							-			b	-	-
12.10.1.3. Automatic chokes							-			b	-	-
12.10.2. Valve clearance							-			-	-	-
12.10.3 Ignition timing	*						2b			b	-	-
13. DIESEL ENGINES TR: TOs 33 Series, 35 Series, 36 Series, 38 Series												
13.1. Fundamentals	*						B			B	-	B
13.2. Disassemble							-			b	-	-
13.3. Assemble							-			b	-	-
13.4. Fundamentals of engine systems												
13.4.1. Cooling	*						B			B	-	B
13.4.2. Lubrication	*						B			B	-	B
13.4.3. Valve train	*						B			B	-	B
13.4.4. Fuel/air	*						B			B	-	B
13.4.5. Emission control	*						B			B	-	B
13.4.6. Computer control system	*						-			B	-	B
13.5. Remove and install fuel system components	*						2b			b	-	-
13.6. Inspect fuel system	*#/7						2b			b	-	-
13.7. Bleed or prime fuel system	*#/7						2b			b	-	-
13.8. Isolate malfunctions												
13.8.1. Cooling System	#/7						-			-	-	-
13.8.2. Lubrication System	#/7						-			-	-	-
13.8.3 Valve Train	#/7						-			-	-	-
13.8.4 Fuel/Air System	*#/7						2b			b	-	-
13.8.5 Emission Control System	#/7						-			-	-	-
13.9. Test cylinder compression	*#/7						2b			b	-	-

1. Tasks, Knowledge And Technical References	2. Core/ War-time Tasks (See Note)	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Page 27)					
		A	B	C	D	E	A 3 Skill Level		B 5 Skill Level		C 7 Skill Level	
		Tng Start	Tng Compl	Trainee Initials	Trainer Initials	Cert Initials	(1) Course	(2) CDC	(1) Course	(2) CDC	(1) Course	(2) CDC
13.10. Adjust												
13.10.1. Governors	*#/7						2b			b	-	-
13.10.2. Valve clearance	*#/7						2b			b	-	-
13.10.3. Fuel system timing	*#/7						2b			b	-	-
14. ALTERNATIVE FUEL VEHICLES												
14.1. Compressed natural gas fundamentals							-			B	-	B
14.2. Electric drive fundamentals							-			B	-	B
14.3. Fuel cell fundamentals							-			B	-	B
15. ELECTRICAL SYSTEMS TR: TOs: 33,35, and 36 Series												
15.1. Fundamentals												
15.1.1. Electricity	*						B			B	-	B
15.1.2. Batteries	*						B			B	-	B
15.1.3. Starting systems	*						B			B	-	B
15.1.4. Ignition systems	*						B			B	-	B
15.1.5. Charging systems	*						B			B	-	B
15.1.6. Computer control systems	*						B			B	-	B
15.1.7. Lighting systems	*						B			B	-	B
15.1.8. Warning systems	*						B			B	-	B
15.1.9. Glow plug system	*						B			B	-	B
15.2. Trace electrical system diagrams and schematics	*#/7						2b			b	-	-
15.3. Remove and install electrical components												
15.3.1. Computer system	*#/7						2b			b	-	-
15.3.2. Distributor	*#/7						2b			b	-	-
15.4. Inspect												
15.4.1. Batteries	*#/7						2b			b	-	-
15.4.2. Starting system	*#/7						2b			b	-	-
15.4.3. Ignition system	*#/7						2b			b	-	-
15.4.4. Charging system	*#/7						2b			b	-	-
15.4.5. Lighting system	*#/7						2b			b	-	-
15.4.6. Warning system	*#/7						2b			b	-	-
15.4.7. Glow plug system	*#/7						2b			b	-	-

1. Tasks, Knowledge And Technical References	2. Core/ War-time Tasks (See Note)	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Page 27)					
		A	B	C	D	E	A 3 Skill Level		B 5 Skill Level		C 7 Skill Level	
		Tng Start	Tng Compl	Trainee Initials	Trainer Initials	Cert Initials	(1) Course	(2) CDC	(1) Course	(2) CDC	(1) Course	(2) CDC
15.5. Isolate malfunctions												
15.5.1 Batteries	*#/7						2b			b	-	-
15.5.2. Starting system	*#/7						2b			b	-	-
15.5.3. Ignition system	*#/7						2b			b	-	-
15.5.4. Charging system	*#/7						2b			b	-	-
15.5.5. Lighting system	*#/7						2b			b	-	-
15.5.6. Warning system	*#/7						2b			b	-	-
15.5.7. Glow plug system	*#/7						2b			b	-	-
15.6. Computerized vehicle controls/diagnostics												
15.6.1. Fundamentals	*						B			B	-	B
15.6.2. Identify components	*						A			B	-	-
15.6.3. Component operation												
15.6.3.1. Input devices	*						B			b	-	-
15.6.3.2. Output devices	*						B			b	-	-
15.6.4. Retrieve and interpret trouble codes	*						2b			b	-	-
16. HYDRAULIC SYSTEM												
TR: TOs 35 and 36 Series												
16.1. Fundamentals	*						B			B	-	B
16.2. Inspect hydraulic system components	*#/7						2b			b	-	-
16.3. Trace hydraulic system diagrams or schematics	*#/7						2b			b	-	-
16.4. Isolate hydraulic system malfunctions							-			-	-	-
16.5. Remove and install hydraulic system components							-			-	-	-
16.6. Manufacture hydraulic hoses	*#/7						2b			b	-	-
17. POWER TRAINS												
TR: TOs 35 and 36 Series												
17.1. Fundamentals												
17.1.1. Transmissions	*						B			B	-	B
17.1.2. Clutches	*						B			B	-	B
17.1.3. Transfer cases	*						B			B	-	B
17.1.4. Drive axle assemblies	*						B			B	-	B
17.1.5. Drive trains	*						B			B	-	B
17.1.6. Transaxle/front wheel drive	*						B			B	-	B

1. Tasks, Knowledge And Technical References	2. Core/ War-time Tasks (See Note)	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Page 27)					
		A	B	C	D	E	A 3 Skill Level		B 5 Skill Level		C 7 Skill Level	
		Tng Start	Tng Compl	Trainee Initials	Trainer Initials	Cert Initials	(1) Course	(2) CDC	(1) Course	(2) CDC	(1) Course	(2) CDC
17.2. Remove and install												
17.2.1. Automatic transmissions							-			b	-	-
17.2.2. Manual Transmissions							-			b	-	-
17.2.3. Manual clutch assemblies							-			b	-	-
17.2.4. Transmission seals and gaskets							-			b	-	-
17.2.5. Flywheel/ring gears							-			b	-	-
17.2.6. Drive shafts							-			b	-	-
17.2.7. Rear wheel bearings	*						2b			b	-	-
17.2.8. CV joints	*						2b			b	-	-
17.2.9. Front wheel drive axles	*						2b			b	-	-
17.2.10. Fluid couplings and torque converters	*						2b			-	-	-
17.2.11. Front wheel bearings	*#/7						2b			b	-	-
17.2.12. Universal joints other than CVs	*#/7						2b			b	-	-
17.2.13. Speedometer cable assembly							-			-	-	-
17.3. Repair												
17.3.1. Automatic transaxles							-			b	-	-
17.3.2. Automatic transmissions							-			b	-	-
17.3.3. Manual transmissions							-			b	-	-
17.3.4. Transfer case							-			b	-	-
17.3.5. Differentials							-			b	-	-
17.4. Inspect												
17.4.1. Drive axles	*#/7						2b			b	-	-
17.4.2. Drive shaft components	*#/7						2b			b	-	-
17.4.3. CV joints	*v						2b			b	-	-
17.4.4. Transaxle assemblies	v						-			b	-	-
17.5. Adjust												
17.5.1. Automatic transmission controls and linkages	*#/7						b			b	-	-
17.5.2. Free play of clutch pedals	*v						b			b	-	-
17.5.3. Manual transmission controls and linkages	*v						b			b	-	-
17.5.4. Transfer case linkage or controls	*v						b			b	-	-
17.6. Isolate automatic transmission malfunctions	*						b			b	-	-
17.7. Pack wheel bearings	*#/7						b			b	-	-
17.8. Wheel and tire fundamentals	*						B			B	-	B

1. Tasks, Knowledge And Technical References	2. Core/ War-time Tasks (See Note)	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Page 27)					
		A	B	C	D	E	A 3 Skill Level		B 5 Skill Level		C 7 Skill Level	
		Tng Start	Tng Compl	Trainee Initials	Trainer Initials	Cert Initials	(1) Course	(2) CDC	(1) Course	(2) CDC	(1) Course	(2) CDC
17.9. Dismount or mount												
17.9.1. Light duty tires	*#/7						2b			b	-	-
17.9.2. Split rim tires	*#/7						2b			b	-	-
17.9.3. Split ring tires	*#/7						2b			b	-	-
17.9.4. Large single rim tires	*#/7						2b			b	-	-
17.9.5. Balance wheels	*						2b			b	-	-
18. SUSPENSION SYSTEMS												
TR: TOs 35 and 36 Series												
18.1. Fundamentals	*						B			B	-	B
18.2. Remove and install												
18.2.1. Ball joints							-			b	-	-
18.2.2. Mcpherson struts							-			b	-	-
18.2.3. King pins							-			b	-	-
18.2.4. Shock absorbers							-			b	-	-
18.3. Inspect suspension system components	*#/7						2b			b	-	-
18.4. Align suspension system	*						b			b	-	-
19. STEERING SYSTEM												
TR: TOs 35 and 36 Series												
19.1. Fundamentals	*						B			B	-	B
19.2. Remove and install												
19.2.1. Idler arms							-			b	-	-
19.2.2. Pitman arms							-			b	-	-
19.2.3. Power steering hoses							-			b	-	-
19.2.4. Power steering pumps							-			b	-	-
19.2.5. Steering gearboxes							-			b	-	-
19.2.6. Steering wheels							-			b	-	-
19.2.7. Tie rod components							-			b	-	-
19.2.8. Wheel spindle							-			b	-	-
19.2.9. Wheel studs							-			b	-	-
19.3. Inspect steering system components	*#/7						2b			b	-	-
19.4. Adjust steering gear components	*						b			b	-	-
19.5. Isolate steering system malfunctions	*						b			b	-	-
19.6. Repair												
19.6.1. Power steering pumps							-			b	-	-
19.6.2. Steering gear boxes							-			b	-	-

1. Tasks, Knowledge And Technical References	2. Core/ War-time Tasks (See Note)	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Page 27)					
		A	B	C	D	E	A 3 Skill Level		B 5 Skill Level		C 7 Skill Level	
		Tng Start	Tng Compl	Trainee Initials	Trainer Initials	Cert Initials	(1) Course	(2) CDC	(1) Course	(2) CDC	(1) Course	(2) CDC
20. BRAKE SYSTEMS												
TR: TOs 35 and 36 Series												
20.1. Common Components	*						B			B	-	B
20.1.1. Remove and Install Components												
20.1.1.1. Rotors	*#/7						2b			b	-	-
20.1.1.2. Drums	*#/7						2b			b	-	-
20.1.1.3. Brake shoes	*#/7						2b			b	-	-
20.1.1.4. Disc brake calipers	*#/7						2b			b	-	-
20.1.1.5. Disc brake pads	*#/7						2b			b	-	-
20.1.1.6. Anti-lock brake system	#/7						-			b	-	-
20.1.1.7. Parking brake	*#/7						b			b	-	-
20.1.1.8. Self-adjusting brake mechanism	*#/7						2b			b	-	-
20.1.2. Adjust												
20.1.2.1. Parking brakes	*#/7						2b			b	-	-
20.1.2.2. Service brakes	*#/7						2b			b	-	-
20.1.3. Turn												
20.1.3.1. Brake drum							-			b	-	-
20.1.3.2. Disc brake rotors							-			b	-	-
20.2. Hydraulic brakes												
TR: TO 36 Series												
20.2.1. Fundamentals	*						B			B	-	B
20.2.2. Remove and install												
20.2.2.1. Master cylinder	*v						b			b	-	-
20.2.2.2. Wheel cylinders	*v						b			b	-	-
20.2.2.3. Hoses or lines	*#/7						b			b	-	-
20.2.2.4. Boosters, airpacks, or hydrovac components	*						b			b	-	-
20.2.3. Test hydraulic brake system	#/7						-			b	-	-
20.2.4. Bleed brake system	*#/7						2b			b	-	-
20.2.5. Isolate malfunctions												
20.2.5.1. Anti-lock brake system components	*#/7						b			b	-	-
20.2.5.2. Booster, airpack, or hydrovac system	*#/7						b			b	-	-
20.2.5.3. Hydraulic brake system	*#/7						2b			b	-	-
20.2.6. Disassemble and assemble												
20.2.6.1. Master cylinder							-			b	-	-
20.2.6.2. Disc brake calipers							-			b	-	-
20.2.6.3. Booster, airpack, or hydrovac components							-			b	-	-

1. Tasks, Knowledge And Technical References	2. Core/ War-time Tasks (See Note)	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Page 27)					
		A	B	C	D	E	A 3 Skill Level		B 5 Skill Level		C 7 Skill Level	
		Tng Start	Tng Compl	Trainee Initials	Trainer Initials	Cert Initials	(1) Course	(2) CDC	(1) Course	(2) CDC	(1) Course	(2) CDC
20.3. Air Brakes												
TR: TO 36 Series												
20.3.1. Fundamentals	*						B			B	-	B
20.3.2. Inspect air brake system components	*#/7						2b			b	-	-
20.3.3. Isolate air brake system malfunctions	*#/7						2b			b	-	-
20.3.4. Isolate anti-lock brake system malfunctions							-			b	-	-
20.3.5. Remove and install air brake chambers	#/7						-			b	-	-
20.3.6. Repair air brake chambers							-			b	-	-
20.3.7. Adjust slack adjusters	*#/7						2b			b	-	-
20.4. Electric Brakes												
TR: TO 36 Series												
20.4.1. Fundamentals							-			B	-	B
20.4.2. Inspect electric brake system components							-			-	-	-
20.4.3. Isolate electric brake system malfunctions							-			-	-	-
20.4.4. Remove and install electric brake components							-			-	-	-
21. AIR SYSTEM												
TR: TO 36 Series												
21.1. Fundamentals	*						B			B	-	B
21.2. Inspect components	*#/7						b			b	-	-
21.3. Isolate malfunctions							-			-	-	-
21.4. Adjust air governor	*						b			b	-	-
21.5. Repair												
21.5.1. Compressor							-			b	-	-
21.5.2. Air governor							-			b	-	-
21.5.3. Valves							-			b	-	-
21.5.4. Actuators/cylinders							-			b	-	-
21.6. Replace airlines/fittings	*						b			-	-	-
21.7. Central Tire Inflation System (CTIS)												
21.7.1. Fundamentals							-			B	-	B
21.7.2. Inspect CTIS systems							-			b	-	-
21.7.3. Isolate CTIS system malfunctions							-			b	-	-
21.7.4. Remove and install CTIS system components							-			b	-	-

1. Tasks, Knowledge And Technical References	2. Core/ War-time Tasks (See Note)	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Page 27)					
		A	B	C	D	E	A 3 Skill Level		B 5 Skill Level		C 7 Skill Level	
		Tng Start	Tng Compl	Trainee Initials	Trainer Initials	Cert Initials	(1) Course	(2) CDC	(1) Course	(2) CDC	(1) Course	(2) CDC
22. HEATING/AIR CONDITIONING SYSTEMS												
TR: TO 36 Series											-	
22.1. Heating systems												
22.1.1. Fundamentals	*						B			B	-	B
22.1.2. Isolate/repair heating system malfunctions	#/7						-			b	-	-
22.1.3. Remove and install heater cores							-			b	-	-
22.2. Air conditioning systems												
22.2.1. Fundamentals	*						B			B	-	B
22.2.2. Inspect air conditioning system							-			b	-	-
22.2.3. Service												
22.2.3.1. Evacuate A/C system							-			b	-	-
22.2.3.2. Charge A/C system							-			b	-	-
22.2.4. Isolate												
22.2.4.1. A/C system malfunctions							-			b	-	-
22.2.4.2. A/C system leaks							-			b	-	-
22.2.5. Remove and Install												
22.2.5.1. Compressor seals							-			b	-	-
22.2.5.2. Clutches							-			b	-	-
23. AIR BAG SYSTEM												
TR: TOs 36-1-191 36M and 36Y Series												
TR: TO 36 Series												
23.1. Fundamentals	*						B			B	-	B
23.2. Inspect air bag systems							-			b	-	-
23.3. Isolate air bag system malfunctions							-			b	-	-
23.4. Remove and install air bag system components							-			b	-	-

1. Tasks, Knowledge And Technical References	2. Core/ War-time Tasks (See Note)	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Page 27)					
		A	B	C	D	E	A 3 Skill Level		B 5 Skill Level		C 7 Skill Level	
		Tng Start	Tng Compl	Trainee Initials	Trainer Initials	Cert Initials	(1) Course	(2) CDC	(1) Course	(2) CDC	(1) Course	(2) CDC
24. MILITARY SERIES VEHICLES												
TR: TOs 36-1-191 Series												
24.1. Fundamentals												
24.1.1. Light M-Series (i.e. M1008, M1009, HMMWV)												
24.1.1.1. Mechanical system	*						B			B	-	B
24.1.1.2. Electrical system	*						B			B	-	B
24.1.1.3. Air system							-			B	-	B
24.1.2. Heavy M-Series (i.e. M35, M936)												
24.1.2.1. Mechanical system	*						B			B	-	B
24.1.2.2. Electrical system	*						B			B	-	B
24.1.2.3. Air system	*						B			B	-	B
24.1.2.4. Hydraulic system	*						B			B	-	B
24.2. Isolate malfunctions												
24.2.1. Light M-Series (i.e. M1008, M1009, HMMWV)												
24.2.1.1. Mechanical system	*						2b/x			b	-	-
24.2.1.2. Electrical system	*						2b/x			b	-	-
24.2.1.3. Air system							-			-	-	-
24.2.2. Heavy M-Series (i.e. M35, M936)												
24.2.2.1. Mechanical system	*						2b/x			b	-	-
24.2.2.2. Electrical system	*						2b/x			b	-	-
24.2.2.3. Air system	*						2b/x			b	-	-
24.2.2.4. Hydraulic system	*						2b/x			b	-	-
24.3. Repair												
24.3.1. Light M-Series (i.e. M1008, M1009, HMMWV)												
24.3.1.1. Mechanical system							-			-	-	-
24.3.1.2. Electrical system							-			-	-	-
24.3.1.3. Air system							-			-	-	-
24.3.2. Heavy M-Series (i.e. M35, M936)												
24.3.2.1. Mechanical system							-			-	-	-
24.3.2.2. Electrical system							-			-	-	-
24.3.2.3. Air system							-			-	-	-
24.3.2.4. Hydraulic system							-			-	-	-

1. Tasks, Knowledge And Technical References	2. Core/ War-time Tasks (See Note)	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Page 27)					
		A	B	C	D	E	A 3 Skill Level		B 5 Skill Level		C 7 Skill Level	
		Tng Start	Tng Compl	Trainee Initials	Trainer Initials	Cert Initials	(1) Course	(2) CDC	(1) Course	(2) CDC	(1) Course	(2) CDC
25. CRANES												
TR: TO 36 Series												
25.1. Fundamentals	*						B			B	-	B
25.2. Isolate malfunctions												
25.2.1. Mechanical	*						b			b	-	-
25.2.2. Electrical	*v/7						2b			b	-	-
25.2.3. Hydraulic	*v/7						b			b	-	-
25.3. Adjust												
25.3.1. Mechanical							-			b	-	-
25.3.2. Hydraulic							-			b	-	-
25.4. Repair												
25.4.1. Mechanical							-			b	-	-
25.4.2. Electrical							-			b	-	-
25.4.3. Hydraulic							-			b	-	-
26. CRAWLER TRACTORS												
TR: TO 36 Series												
26.1. Fundamentals	*						B			B	-	B
26.2. Isolate malfunctions												
26.2.1. Final drive assembly							-			b	-	-
26.2.2. Steering system							-			b	-	-
26.2.3. Track system							-			b	-	-
26.3. Adjust												
26.3.1. Final drive assembly							-			b	-	-
26.3.2. Steering system							-			b	-	-
26.3.3. Track system							-			b	-	-
26.4. Repair												
26.4.1. Final drive assembly							-			b	-	-
26.4.2. Steering system							-			b	-	-
26.4.3. Track system							-			b	-	-
27. SWEEPERS												
TR: TO 36 Series												
27.1. Fundamentals	*						B			B	-	B
27.2. Isolate malfunctions												
27.2. 1. Electrical system	*v/7						2b			b	-	-
27.2. 2. Hydraulic system	*v/7						2b			b	-	-
27.2. 3. Mechanical system	v/7						-			b	-	-
27.2. 4. Water system	*v/7						2b			b	-	-

1. Tasks, Knowledge And Technical References	2. Core/ War-time Tasks (See Note)	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Page 27)					
		A	B	C	D	E	A 3 Skill Level		B 5 Skill Level		C 7 Skill Level	
		Tng Start	Tng Compl	Trainee Initials	Trainer Initials	Cert Initials	(1) Course	(2) CDC	(1) Course	(2) CDC	(1) Course	(2) CDC
27.3. Repair												
27.3. 1. Electrical system	v						-			b	-	-
27.3. 2. Hydraulic system	v						-			b	-	-
27.3. 3. Mechanical system	v						-			b	-	-
27.3. 4. Water system	v						-			b	-	-
27.4. Adjust												
27.4. 1. Hydraulic system	v						-			b	-	-
27.4. 2. Mechanical system	v						-			b	-	-
27.4. 3. Water system	v						-			b	-	-
28. EQUIPMENT ATTACHMENTS												
TR: TO 36 Series												
28.1. Fundamentals												
28.1.1. Snow broom	*						B			B	-	B
28.1.2. Snow blower	*						B			B	-	B
28.2 . Isolate malfunctions												
28.2.1. Snow broom	*						2b			b	-	-
28.2.2. Snow blower	*						2b			b	-	-
28.3. Repair												
28.3.1. Snow broom							-			b	-	-
28.3.2. Snow blower							-			b	-	-
28.4. Adjust												
28.4 1. Snow broom	*						2b			b	-	-
28.4.2. Snow blower	*						b			b	-	-
28.5. Inspect												
28.5.1. Snow broom							-			b	-	-
28.5.2. Snow blower							-			b	-	-
29. TOWING AND SERVICING VEHICLES												
TR: TOs 36-1-191 35E17, 36A10, and 36Y Series												
29.1. Aircraft towing tractors												
29.1.1. Fundamentals	*						B			B	-	B
29.1.2. Isolate malfunctions												
29.1.2.1. Electrical system	*v/7						2b			b	-	-
29.1.2.2. Hydraulic system	*v/7						b			b	-	-
29.1.2.3. Steering system	*v/7						b			b	-	-
29.1.2.4. Braking system	*v/7						b			b	-	-

1. Tasks, Knowledge And Technical References	2. Core/ War-time Tasks (See Note)	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Page 27)					
		A	B	C	D	E	A 3 Skill Level		B 5 Skill Level		C 7 Skill Level	
		Tng Start	Tng Compl	Trainee Initials	Trainer Initials	Cert Initials	(1) Course	(2) CDC	(1) Course	(2) CDC	(1) Course	(2) CDC
29.1.3. Repair												
29.1.3.1. Electrical system	*v						2b			b	-	-
29.1.3.2. Hydraulic system	v						-			b	-	-
29.1.3.3. Steering system	v						-			b	-	-
29.1.3.4. Braking system	v						-			b	-	-
29.1.4. Adjust												
29.1.4.1. Hydraulic system							-			b	-	-
29.1.4.2. Steering system							b			b	-	-
29.1.4.3. Braking system							-			b	-	-
29.2. Deicers												
29.2.1. Fundamentals	*						B			B	-	B
29.2.2. Isolate malfunctions												
29.2.2.1. Electrical system	*						2b			b	-	-
29.2.2.2. Hydraulic system	*						2b			b	-	-
29.2.2.3. Dispensing system	*						2b			b	-	-
29.2.3. Adjust												
29.2.3.1. Electrical system switches							-			b	-	-
29.2.3.2. Hydraulic system	*						2b			b	-	-
29.2.3.3. Dispensing system	*						2b			b	-	-
29.2.4. Repair												
29.2.4.1. Electrical system	*						2b			b	-	-
29.2.4.2. Hydraulic system							-			b	-	-
29.2.4.3. Dispensing system							-			b	-	-
30. GRADERS												
TR: TO 36 Series												
30.1. Fundamentals	*						B			B	-	B
30.2. Isolate malfunctions												
30.2.1. Electrical system							-			b	-	-
30.2.2. Hydraulic system							-			b	-	-
30.3. Adjust hydraulic system							-			b	-	-
30.4. Repair hydraulic system							-			b	-	-

1. Tasks, Knowledge And Technical References	2. Core/ War-time Tasks (See Note)	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Page 27)					
		A	B	C	D	E	A 3 Skill Level		B 5 Skill Level		C 7 Skill Level	
		Tng Start	Tng Compl	Trainee Initials	Trainer Initials	Cert Initials	(1) Course	(2) CDC	(1) Course	(2) CDC	(1) Course	(2) CDC
31. FIRE TRUCKS												
TR: TOs 36-1-191 36A12 Series												
31.1. Fundamentals												
31.1.1. Crash truck												
31.1.1.1. Dispensing system	*						B			B	-	B
31.1.1.2. Winterization system	*						B			B	-	B
31.1.1.3. Hydraulic system	*						B			B	-	B
31.1.1.4. Air system	*						B			B	-	B
31.1.1.5. Electrical system	*						B			B	-	B
31.1.1.6. Mechanical system	*						B			B	-	B
31.1.2. Structural truck												
31.1.2.1. Dispensing system	*						B			B	-	B
31.1.2.2. Winterization system	*						B			B	-	B
31.1.2.3. Hydraulic system	*						B			B	-	B
31.1.2.4. Air system	*						B			B	-	B
31.1.2.5. Electrical system	*						B			B	-	B
31.1.2.6. Mechanical system	*						B			B	-	B
31.2. Isolate malfunctions												
31.2.1. Crash truck												
31.2.1.1. Dispensing system	*a/7						2b			b	-	-
31.2.1.2. Winterization system	*						2b			b	-	-
31.2.1.3. Hydraulic system	*						2b			b	-	-
31.2.1.4. Air system	*a/7						2b			b	-	-
31.2.1.5. Electrical system	*a/7						2b			b	-	-
31.2.1.6. Mechanical system	*a/7						2b			b	-	-
31.2.2. Structural truck												
31.2.2.1. Dispensing system	*a/7						2b			b	-	-
31.2.2.2. Winterization system							-			-	-	-
31.2.2.3. Hydraulic system							-			-	-	-
31.2.2.4. Air system	*a/7						b			-	-	-
31.2.2.5. Electrical system	*a/7						b			-	-	-
31.2.2.6. Mechanical system	*						b			-	-	-
31.3. Remove and install components												
31.3.1. Crash truck												
31.3.1.1. Dispensing system							-			-	-	-
31.3.1.2. Winterization system							-			-	-	-
31.3.1.3. Hydraulic system							-			-	-	-
31.3.1.4. Air system							-			-	-	-
31.3.1.5. Electrical system							-			-	-	-
31.3.1.6. Mechanical system							-			-	-	-

1. Tasks, Knowledge And Technical References	2. Core/ War-time Tasks (See Note)	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Page 27)					
		A	B	C	D	E	A 3 Skill Level		B 5 Skill Level		C 7 Skill Level	
		Tng Start	Tng Compl	Trainee Initials	Trainer Initials	Cert Initials	(1) Course	(2) CDC	(1) Course	(2) CDC	(1) Course	(2) CDC
31.3.2. Structural truck												
31.3.2.1. Dispensing system							-			-	-	-
31.3.2.2. Winterization system							-			-	-	-
31.3.2.3. Hydraulic system							-			-	-	-
31.3.2.4. Air system							-			-	-	-
31.3.2.5. Electrical system							-			-	-	-
31.3.2.6. Mechanical system							-			-	-	-
31.4. Repair components												
31.4.1. Crash truck												
31.4.1.1. Dispensing system	*a						2b			b	-	-
31.4.1.2. Winterization system	*						2b			b	-	-
31.4.1.3. Hydraulic system	*						2b			b	-	-
31.4.1.4. Air system	*a						2b			b	-	-
31.4.1.5. Electrical system	*a						2b			b	-	-
31.4.1.6. Mechanical system	*a						2b			b	-	-
31.4.2. Structural truck												
31.4.2.1. Dispensing system	*a						2b			b	-	-
31.4.2.2. Winterization system							-			-	-	-
31.4.2.3. Hydraulic system							-			-	-	-
31.4.2.4. Air system	*a						2b			-	-	-
31.4.2.5. Electrical system	*a						2b			-	-	-
31.4.2.6. Mechanical system							-			-	-	-
31.5. Adjust components												
31.5.1. Crash truck												
31.5.1.1. Dispensing system	*a						2b			b	-	-
31.5.1.2. Winterization system	*						2b			b	-	-
31.5.1.3. Hydraulic system							-			-	-	-
31.5.1.4. Air system	*						2b			b	-	-
31.5.1.5. Electrical system	*a						2b			b	-	-
31.5.1.6. Mechanical system	*						2b			b	-	-
31.5.2. Structural truck												
31.5.2.1. Dispensing system	*a						2b			b	-	-
31.5.2.2. Winterization system							-			-	-	-
31.5.2.3. Hydraulic system							-			-	-	-
31.5.2.4. Air system							-			-	-	-
31.5.2.5. Electrical system							-			b	-	-
31.5.2.6. Mechanical system	*a						2b			b	-	-

1. Tasks, Knowledge And Technical References	2. Core/ War-time Tasks (See Note)	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Page 27)					
		A	B	C	D	E	A 3 Skill Level		B 5 Skill Level		C 7 Skill Level	
		Tng Start	Tng Compl	Trainee Initials	Trainer Initials	Cert Initials	(1) Course	(2) CDC	(1) Course	(2) CDC	(1) Course	(2) CDC
32. REFUELERS												
TR: TOs 36-1-191 36A12,36Y, and 37A Series												
32.1. Practice refueling specialized safety	*b/7						2b			b	-	b
32.2. Fundamentals												
32.2.1. Dispensing system	*						B			B	-	B
32.2.2. Winterization system	*						B			B	-	B
32.2.3. Hydraulic system							-			-	-	-
32.2.4. Air system	*						B			B	-	B
32.2.5. Electrical system	*						B			B	-	B
32.2.6. Mechanical system	*						B			B	-	B
32.3. Isolate malfunctions												
32.3.1. Dispensing system	*b/7						2b			b	-	-
32.3.2. Winterization system							-			b	-	-
32.3.3. Hydraulic system							-			-	-	-
32.3.4. Air system	*b/7						2b			b	-	-
32.3.5. Electrical system	*b/7						2b			b	-	-
32.3.6. Mechanical system	*b/7						2b			b	-	-
32.4. Remove and install components												
32.4.1. Dispensing system	b						-			-	-	-
32.4.2. Winterization system							-			-	-	-
32.4.3. Hydraulic system							-			-	-	-
32.4.4. Air system	b						-			-	-	-
32.4.5. Electrical system components	b						-			-	-	-
32.4.6. Mechanical system	b						-			-	-	-
32.5. Repair												
32.5.1. Dispensing system	*						2b			-	-	-
32.5.2. Winterization system							-			-	-	-
32.5.3. Hydraulic system							-			-	-	-
32.5.4. Air system	*						2b			-	-	-
32.5.5. Electrical system							-			-	-	-
32.5.6. Mechanical system							-			-	-	-
32.6. Adjust components												
32.6.1. Dispensing system	*b						2b			b	-	-
32.6.2. Winterization system							-			b	-	-
32.6.3. Hydraulic system							-			-	-	-
32.6.4. Air system	*b						2b			b	-	-
32.6.5. Electrical system							-			-	-	-
32.7. Calibrate meters	*b						2b			b	-	-
32.8. Perform hydrostatic hose test	*						2b			b	-	-

1. Tasks, Knowledge And Technical References	2. Core/ War-time Tasks (See Note)	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Page 27)					
		A	B	C	D	E	A 3 Skill Level		B 5 Skill Level		C 7 Skill Level	
		Tng Start	Tng Compl	Trainee Initials	Trainer Initials	Cert Initials	(1) Course	(2) CDC	(1) Course	(2) CDC	(1) Course	(2) CDC
33. MHE/463L EQUIPMENT												
33.1. Fundamentals												
33.1.1. Forklifts	*						B			B	-	B
33.1.2. Cargo loaders, small	*						B			B	-	B
33.1.3. Cargo loaders, 60K	*						B			B	-	B
33.2. Isolate malfunctions												
33.2.1. Forklifts												
33.2.1.1. Electrical system	*c/7						2b			b	-	-
33.2.1.2. Hydraulic system	*c/7						2b			b	-	-
33.2.1.3. Air system							-			-	-	-
33.2.1.4. Mechanical system	*c/7						2b			b	-	-
33.2.2. Cargo loaders, small												
33.2.2.1. Electrical system	*c/7						2b			b	-	-
33.2.2.2. Hydraulic system	*c/7						2b			b	-	-
33.2.2.3. Air system	*						2b			b	-	-
33.2.2.4. Mechanical system	c/7						-			b	-	-
33.2.2.5. Utility system/winch							-			b	-	-
33.2.3. Cargo loaders, 60K												
33.2.3.1. Electrical system	*c/7						2b			b	-	-
33.2.3.2. Hydraulic system	*c/7						2b			b	-	-
33.2.3.3. Air system	*						2b			b	-	-
33.2.3.4. Mechanical system	c/7						-			b	-	-
33.3. Repair												
33.3.1. Forklifts												
33.3.1.1. Electrical system	*c						2b			b	-	-
33.3.1.2. Hydraulic system	c						-			b	-	-
33.3.1.3. Air system							-			-	-	-
33.3.1.4. Mechanical system	c						-			b	-	-
33.3.2. Cargo loaders, small												
33.3.2.1. Electrical system	*c						2b			b	-	-
33.3.2.2. Hydraulic system	*c						2b			b	-	-
33.3.2.3. Air system	*						2b			b	-	-
33.3.2.4. Mechanical system	c						-			b	-	-
33.3.3. Cargo loaders, 60K												
33.3.3.1. Electrical system	*c						2b			b	-	-
33.3.3.2. Hydraulic system	*c						2b			b	-	-
33.3.3.3. Air system	*						2b			b	-	-
33.3.3.4. Mechanical system	c						-			b	-	-

1. Tasks, Knowledge And Technical References	2. Core/ War-time Tasks (See Note)	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Page 27)					
		A	B	C	D	E	A 3 Skill Level		B 5 Skill Level		C 7 Skill Level	
		Tng Start	Tng Compl	Trainee Initials	Trainer Initials	Cert Initials	(1) Course	(2) CDC	(1) Course	(2) CDC	(1) Course	(2) CDC
33.4. Adjust components												
33.4.1. Forklift												
33.4.1.1. Hydraulic system	*c						2b			b	-	-
33.4.1.2. Mechanical system	*c						2b			b	-	-
33.4.2. Cargo loader, small												
33.4.2.1. Electrical system	*c						2b			b	-	-
33.4.2.2. Hydraulic system	c						-			b	-	-
33.4.2.3. Air system							-			b	-	-
33.4.2.4. Utility system/winch							-			b	-	-
33.4.3. Cargo loader, 60K												
33.4.3.1. Steering	*c						2b			b	-	-
33.4.3.2. Encoders	*c						2b			b	-	-
33.4.3.3. Electrical system	*c						2b			b	-	-
34. BODY AND CAB TR: TOs 36-1-50, 36A-1-1313, 36 Series												
34.1. Fundamentals of body and cab components	*						B			B	-	B
34.2. Remove/Replace												
34.2.1. Panels	*d						2b			b	-	-
34.2.2. Doors	*d						2b			b	-	-
34.2.3. Fenders	*d						2b			b	-	-
34.2.4. Bumpers	*d						2b			b	-	-
34.2.5. Grills	*d						2b			b	-	-
34.2.6. Deck lids	*d						2b			b	-	-
34.2.7. Hoods	*d						2b			b	-	-
34.3. General body repair												
34.3.1. Locate irregularities	*d						2b			b	-	-
34.3.2. Bump-out irregularities	*d						2b			b	-	-
34.3.3. Shrink metal	*d						2b			b	-	-
34.4. Repair components using:												
34.4.1. Fiberglass	*d						2b			b	-	-
34.4.2. Plastics	*d						2b			b	-	-
34.4.3. Composites	*d						b			b	-	-
34.5. Fabricate body panels	*d						2b			b	-	-
35. INSPECT FRAME FOR ALIGNMENT/DAMAGE TR:							-			b	-	-

1. Tasks, Knowledge And Technical References	2. Core/ War-time Tasks (See Note)	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Page 27)					
		A	B	C	D	E	A 3 Skill Level		B 5 Skill Level		C 7 Skill Level	
		Tng Start	Tng Compl	Trainee Initials	Trainer Initials	Cert Initials	(1) Course	(2) CDC	(1) Course	(2) CDC	(1) Course	(2) CDC
36. TRIM AND HARDWARE TR: TOs 36-1-50, 36 Series												
36.1. Fundamentals	*						B			B	-	B
36.2. Replace/Repair												
36.2.1. Channels	*						2b			b	-	-
36.2.2. Door glass bumpers							-			b	-	-
36.2.3. Lock mechanisms	*d						2b			b	-	-
36.2.4. Moldings	*						2b			b	-	-
36.2.5. Regulators	*d						2b			b	-	-
36.2.6. Weather strips							-			b	-	-
36.2.7. Trim panels/coverings							-			b	-	-
36.2.8. Hinges	*d						2b			b	-	-
36.2.9. Dash pads							-			b	-	-
36.3. Sewing Machines												
36.3.1. Fundamentals	*						B			B	-	B
36.3.2. Operate	*d						2b			b	-	-
36.3.3. Operator maintenance												
36.3.3.1. Adjust	*d						2b			b	-	-
36.3.3.2. Clean	*d						2b			b	-	-
36.3.3.3. Lubricate	*d						2b			b	-	-
36.3.3.4. Time	*d						2b			b	-	-
36.4. Upholstery/components												
36.4.1. Fundamentals	*						B			B	-	B
36.4.2. Fabricate	*d						2b			b	-	-
36.4.3. Inspect							-			b	-	-
36.4.4. Repair							-			b	-	-
36.4.5. Replace	*d						2b			b	-	-
36.5. Seat belts												
36.5.1. Inspect	*d/7						2b			b	-	-
36.5.2. Install							-			b	-	-
36.5.3. Replace	*d						2b			b	-	-
37. GLASS TR: TOs 36-1-50, 36A-1-1313												
37.1. Fundamentals	*						B			B	-	B
37.2. Cut												
37.2.1. Glass	*d						2b			b	-	-
37.2.2. Plexiglas	*d						2b			-	-	-
37.3. Fit	*d						2b			b	-	-

1. Tasks, Knowledge And Technical References	2. Core/ War-time Tasks (See Note)	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Page 27)					
		A	B	C	D	E	A 3 Skill Level		B 5 Skill Level		C 7 Skill Level	
		Tng Start	Tng Compl	Trainee Initials	Trainer Initials	Cert Initials	(1) Course	(2) CDC	(1) Course	(2) CDC	(1) Course	(2) CDC
37.4. Replace												
37.4.1. Windows	*d						2b			b	-	-
37.4.2. Windshields	*d						2b			b	-	-
37.5. Repair glass	*d						2b			b	-	-
38. PAINTING TR: TOs 1-1-8, 36-1-191, 36-1-50, 36-1-161, 36-1-171, 36A-1-1313												
38.1. Fundamentals	*						B			B	-	B
38.2. Prepare surface	*d						2b			b	-	-
38.3. Prepare/Apply												
38.3.1. Corrosion control materials	d						-			b	-	-
38.3.2. Enamels	*d						2b			b	-	-
38.3.3. Markings							-			-	-	-
38.3.4. Polyurethane	*						b			b	-	-
38.3.5. Primers	*d						2b			b	-	-
38.3.6. Base/clear coat	*d						2b			b	-	-
38.4. Spot paint/blend												
38.4.1. Single stage							-			b	-	-
38.4.2. Two stage	*d						2b			b	-	-
39. HEAT EXCHANGERS TR: TOs 36-1-50, 36A-1-1313												
39.1. Fundamentals	*						B			B	-	B
39.2. Remove/Replace							-			b	-	-
39.3. Test	*						2b			b	-	-
39.4. Repair												
39.4.1. Metal	*						2b			b	-	-
39.4.2. Composite	*						b			b	-	-
40. FUEL TANKS TR: TOs 36-1-50, 36A-1-1313												
40.1. Fundamentals	*						B			B	-	B
40.2. Purge							-			b	-	-
40.3. Repair							-			b	-	-
41. WELDING EQUIPMENT TR: TOs 34W4-1-5, 34W-1-7, 34W-1-8, 36A-1-1313												
41.1. Fundamentals												
41.1.1. Gas metal arc welding	*						B			B	-	B
41.1.2. Metallic arc	*						B			B	-	B
41.1.3. Gas Tungsten Arc Welding	*						B			B	-	B
41.1.4. Oxygen/acetylene	*						B			B	-	B
41.1.5. Plasma cutter	*						B			B	-	B

1. Tasks, Knowledge And Technical References	2. Core/ War-time Tasks (See Note)	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Page 27)					
		A	B	C	D	E	A 3 Skill Level		B 5 Skill Level		C 7 Skill Level	
		Tng Start	Tng Compl	Trainee Initials	Trainer Initials	Cert Initials	(1) Course	(2) CDC	(1) Course	(2) CDC	(1) Course	(2) CDC
41.2. Weld metals using:												
41.2.1. Gas metal arc welding	*d/7						2b			b	-	-
41.2.2. Metallic arc	*d/7						2b			b	-	-
41.2.3. Gas Tungsten Arc Welding	*						2b			b	-	-
41.2.4. Oxygen/acetylene	*d/7						2b			b	-	-
41.2.5 Brazing	*d/7						2b			b	-	-
41.2.6 Soldering	*d/7						2b			b	-	-
41.3. Cut metals using												-
41.3.1. Oxygen/acetylene	*d/7						2b			b	-	-
41.3.2. Plasma cutter	*						b			b	-	-
42. COLLISION/BATTLE DAMAGE ASSESSMENT TR: Collision estimating guides; TO 36 Series												
42.1. Fundamentals							-			B	-	B
42.2. Estimate repairs/cost	7						-			b	-	b
43. TOWING TR: TO 36-1-121												
43.1. Pintle hook												
43.1.1. Inspect	*						2b			b	-	b
43.1.2. Replace							-			-	-	-
43.2. Fifth wheel												
43.2.1. Inspect							-			b	-	-
43.2.2. Replace							-			b	-	-
43.3. King pin												
43.3.1. Inspect							-			b	-	-
43.3.2. Replace							-			b	-	-

Core/War-Time Tasks: 336

5-SKILL LEVEL REQUIREMENTS:

All Common Core:	18
Maintenance Mechanic Common Core:	74
Vehicle and Equipment Maintenance:	28
Specialized Vehicle – Fire Fighting:	18
Specialized Vehicle – Refueling:	12
Specialized Vehicle – Material Handling:	25
Vehicle Body Maintenance (Allied Trades):	44

7-SKILL LEVEL REQUIREMENTS:

Vehicle Maintenance Craftsman:	122
All Common Core	11
Maintenance Mechanic Common Core:	72
Vehicle & Equipment Maintenance:	10
Specialized Vehicle – Fire Fighting:	7
Specialized Vehicle – Refueling:	5
Specialized Vehicle – Material Handling:	9
Vehicle Body Maintenance (Allied Trades):	8

NOTES:
All tasks and knowledge items shown with a proficiency code and an "*" asterisk are trained during wartime.

Items shown with a "5" are required training before upgrade to the 5-level in all AFSCs covered by this STS (2T351, 2T352A, 2T352B, 2T352C, and 2T355)

STS 2T3X1, 2T3X2A, 2T3X2B, 2T3X2C, 2T3X5, 2T370

Items shown with a "#" are required training before upgrade to the 5-level in AFSCs 2T351, 2T352A, 2T352B, and 2T352C covered by this STS

Items shown with a "a" are required training before upgrade to the 5-level in AFSCs 2T352A

Items shown with a "b" are required training before upgrade to the 5-level in AFSCs 2T352B

Items shown with a "c" are required training before upgrade to the 5-level in AFSCs 2T352C

Items shown with a "d" are required training before upgrade to the 5-level in AFSCs 2T355

Items shown with a "v" are required training before upgrade to the 5-level in AFSCs 2T351

Items shown with a "7" are required training before upgrade to the 7-level in AFSCs 2T370 (From 2T351, 2T352A, 2T352B, 2T352C, and 2T355)

Task and Skill Level Requirements Reconciliation Matrix	AFSC	To Skill Level:	Task Upgrade Requirements	5-Level Done Already	5-Level To Be Done:
Vehicle and Vehicular Equipment Maintenance Journeyman	2T3X1	5	1 to 30	0	120
Special Vehicle Journeyman-Fire Fighting Vehicles	2T3X2A	5	1 to 23, and 31	0	110
Special Vehicle Journeyman-Refueling Vehicles	2T3X2B	5	1 to 23, and 32	0	104
Special Vehicle Journeyman-Material Handling Equipment	2T3X2C	5	1 to 23, and 33	0	117
Body Maintenance Journeyman	2T3X5	5	1 to 11, and 34 to 42	0	62

Task and Skill Level Requirements Reconciliation Matrix	AFSC	To Skill Level:	Task Upgrade Requirements	7-Level Done Already	7-Level To Be Done:
Vehicle Maintenance Craftsman	2T370	7	1 to 43 (All)	See Below	122
Vehicle and Vehicular Equipment Maintenance Journeyman	From 2T3X1	7	1 to 11, and 34 to 42	82	40
Special Vehicle Journeyman-Fire Fighting Vehicles	From 2T3X2A	7	1 to 11, and 34 to 42	79	43
Special Vehicle Journeyman-Refueling Vehicles	From 2T3X2B	7	1 to 11, and 34 to 42	77	45
Special Vehicle Journeyman-Material Handling Equipment	From 2T3X2C	7	1 to 11, and 34 to 42	81	41
Body Maintenance Journeyman	From 2T3X5	7	1 to 33 (All)	8	114

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3. Vehicle Management and Analysis Apprentice, Journeyman, and Craftsman

3.1. Implementation. This STS will be used for technical training provided by AETC for classes beginning 5 Jan 04 and graduating 24 Feb 04.

3.2. Purpose. As prescribed in AFI 36-2201, this STS:
3.2.1. Lists in column 1 (Task, Knowledge, and Technical Reference) the most common tasks, knowledge, and technical references (TR) necessary for noncommissioned officers to perform duties in the 3 and 5-skill levels of the Vehicle Maintenance Control and Analysis ladder of the Vehicle Maintenance Career Field. Column 2, Wartime Tasks are identified by an asterisk ("*"); and Core Tasks are identified by a "5" for 5-level, identify specialty-wide training requirements. Completion of non-mandatory tasks (tasks not identified by a "5"), pertinent to the unit, will be accomplished as tasks become available for training. Task(s) identified by the local unit as not available for training need(s) to be annotated on AF Form 623a in the member's OJT records. These tasks are based on an analysis of the duties and responsibilities contained in AFMAN 36-2108.

3.2.2. Provides certification for OJT. Column 3 is used to record completion of tasks and knowledge training requirements. Task certification must show a certification/completion date and include trainee initials.

3.2.3. Shows formal training and correspondence course requirements. Column 4A (the 3 level course column) shows the proficiency to be demonstrated on the job by the graduate as a result of training in course L3ABP2T337 000 (PDS Code 1I5) at Port Hueneme CA described in the ETCA. Items in the Core/Wartime Tasks column marked with an "*" are tasks/knowledge that are trained in the resident wartime course. Column 4 shows the proficiency to be demonstrated on the job by the graduate as a result of training on the task/knowledge and the career knowledge provided by the correspondence course. See CADRE/AFSC/CDC listing maintained by the unit training manager for current CDC listings.

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

3.2.5. Becomes a job qualification standard (JQS) for on-the-job training when placed in AF Form 623, **On-The-Job Training Record**, and used according to AFI 36-2201. When used as a JQS, the following requirements apply:

3.2.5.1. **Documentation.** Document and certify completion of training. Identify duty position requirements by circling the subparagraph number next to the task statement. As a minimum, complete the following columns in Part 2 of the CFETP: Training Completed, Trainee Initials, Trainer Initials, Certifier Initials (if applicable). Task(s) identified by local unit as not available for training need(s) to be annotated on an AF Form 623a in the member's OJT records.

3.2.5.1.1. **Converting from an Old CFETP to a New CFETP.** Use the CFETP to identify and certify all past and current qualifications. For those tasks previously certified and required in the current position, evaluate current qualification and when verified, recertify using current date as completion date and enter trainees' and certifier's initials for core and critical tasks; for non-core and non-critical task enter trainees' and trainers initials. (NOTE: For transcribing procedures, the supervisor fulfills the role of a certifier and places initials in the certifier column.) For previous certification on tasks not required in the current duty position, carry forward *only* the previous completion date. If and when these tasks become a duty position requirement, recertify with current date and enter trainees' and certifier's initials.

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

3.2.5.1.3. **Decertification and Recertification.** When an airman is found to be unqualified on a task previously certified for his or her position, the supervisor lines through the previous certification or deletes previous

certification when using automated system. Appropriate remarks are entered on the AF Form 623a, **On-The-Job Training Record Continuation Sheet**, as to the reason for decertification. The individual is recertified (if required) either by erasing the old entries and writing in the new or by using correction fluid (if the entries were made in ink) over the previously certified entry.

3.2.5.2. **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.

3.2.6. Is a guide for development of promotion tests used in the Weighted Airman Promotion System (WAPS). Specialty Knowledge Tests (SKTs) are developed at the USAF Occupational Measurement Squadron by senior NCOs with extensive practical experience in their career fields. The tests sample knowledge of STS subject matter areas judged by test development team members as most appropriate for promotion to higher grades. Questions are based upon study references listed in the WAPS catalog. Individual responsibilities are in chapter 14 of AFI 36-2606, *US Air Force Reenlistment, Retention, and NCO Status Programs* (formerly AFR 35-16, volume 1). WAPS is not applicable to the Air National Guard.

3.3. **Recommendations.** Report inadequacies of this STS through command channels to HQ USAF/ILGP, 1030 Air Force Pentagon, Washington, DC 20330-1030; reference specific STS paragraphs.

STS 2T3X7

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

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

STS 2T3X7

QUALITATIVE REQUIREMENTS

Proficiency Code Key		
	Scale Value	Definition: The individual
Task Performance Levels	1	Can do simple parts of the 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 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 others how to do the task. (Highly Proficient)
*Task Knowledge Levels	a	Can name parts, tools, and simple facts about the task. (Nomenclature)
	b	Can determine step by step procedures for doing the task. (Procedures)
	c	Can identify why and when the task must be done and why each step is needed. (Operating Principles)
	d	Can predict, isolate, and resolve problems about the task. (Advanced Theory)
**Subject Knowledge Levels	A	Can identify basic facts and terms about the subject. (Facts)
	B	Can identify relationship of basic facts and state general principles about the subject. (Principles)
	C	Can analyze facts and principles and draw conclusions about the subject. (Analysis)
	D	Can evaluate conditions and make proper decisions about the subject. (Evaluation)

Explanations

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

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

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

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

Explanations for Core/Wartime Tasks (Column 2)

An asterisk "*" identifies a wartime task that is taught in technical school when classes are accelerated in a wartime environment.

5 or 7 Identifies minimum mandatory core tasks necessary for upgrade to the 5 and/or 7-skill level.

STS 2T3X7

1. Tasks, Knowledge And Technical References	2. Core/ War-time Tasks	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Page 58)					
		A	B	C	D	E	A 3 Skill Level		B 5 Skill Level		C 7 Skill Level	
		Tng Start	Tng Compl	Trainee Initials	Trainer Initials	Cert Initials	(1) Course	(2) CDC	(1) Course	(2) CDC	(1) Course	(2) CDC
1. CAREER PATH IN VEHICLE MAINTENANCE TR: AFI 36-2101, AFMAN 36-2108, AFVA 36-212							-			B	-	
2. SPECIFIC OPERATION SECURITY (OPSEC) VULNERABILITIES OF AFSC 2T3X7 TR: AFI 10-1101							A			B	-	
3. AF OCCUPATIONAL SAFETY AND HEALTH (AFOSH) PROGRAM TR: AFIs 32-2001, 32-7045, 32-7042, 32-7080, 91-202, 91-302; AFPAM 36-2241 (Vol 1); Applicable AFOSH STDS; TOs 34-1-3, 36-1-191 AFMAN 24-307												
3.1. Practice personnel and shop safety							-			b	-	
3.2. Hazards of AFSC 2T3X7							-			B	-	
3.3. AFOSH standards for AFSC 2T3X7							-			B	-	
3.4. Initial Federal Hazard Communication Training Program							A			-	-	
3.5. Environmental Compliance												
3.5.1. Hazardous Waste Management							-			B	-	
3.5.2. Pollution Prevention							-			B	-	
3.5.3. Waste Minimization							-			B	-	
3.5.4. Hazardous Material Management							-			B	-	
4. INFORMATION SYSTEMS TR: Applicable Manufacturer's Manuals												
4.1. Fundamentals	5						B			B	-	
4.2. Use Computer Operating System	5						2b			-	-	
4.3. Identify System Malfunctions	5						~~2b~~			-	-	
4.4 Use Application Software												
4.4.1 Database Management							-			-	2b	
4.4.2 Presentation Software							-			-	-	
4.4.3 Spreadsheets							-			-	-	
4.4.4 Word-processing							-			-	-	
4.4.5 Electronic mail							-			-	-	
4.4.6 Internet	5						-			-	-	

1. Tasks, Knowledge And Technical References	2. Core/ War-time Tasks	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Page 58)					
		A	B	C	D	E	A 3 Skill Level		B 5 Skill Level		C 7 Skill Level	
		Tng Start	Tng Compl	Trainee Initials	Trainer Initials	Cert Initials	(1) Course	(2) CDC	(1) Course	(2) CDC	(1) Course	(2) CDC
5. VEHICLE MANAGEMENT TR: AFIs 10-201, 24-302, 36-2101, 38-101, 38-201, 65-601V1 AFMAN 24-307; AF Manpower Standards												
5.1. Identify Vehicle Maintenance Manning Requirements							-			b	b	
5.2. Prepare Budget/ Financial Plan Inputs							-			b	-	
5.3. Transportation Support of Contingency Operations												
5.3.1. Policy							-			A	B	
5.3.2. Organization							-			A	B	
5.3.3. Responsibility							-			A	B	
5.3.4. Status of Resources and Training System (SORTS)							-			B	-	
6. POLICIES, PROCEDURES, AND RESPONSIBILITIES TR: AFIs 24-301, 24-302, AFMANs 23-220, 24-307, 64-108, AFJMAN 24-306, AFSCM 24-1; AFPAM 24-317; DOD Directive 4500.36R, 5500.7; TOs 00-35D-54, 35-1-24, 35-1-25, 35-1-26, 36-1-7, 36-1-191, Command Directives												
6.1. Transportation and Vehicle Maintenance Structure	5						B			B	-	
6.2. Vehicle Responsibilities												
6.2.1. VMM/VMS	5						B			B	-	
6.2.2. Vehicle Management & Analysis	5						B			B	-	
6.2.3. Materiel Control	5						B			B	-	
6.2.4. Work Center Supervisor	5						B			B	-	
6.2.5. REMS Manager	5						B			B	-	
6.3. Policies/ procedures												
6.3.1. Track Accident/Abuse Programs	5						-			b	-	
6.3.2. Contract Programs												
6.3.2.1. AF Form 9/SF 44							-			B	-	
6.3.2.2. Blanket Purchase Agreements							-			B	-	
6.3.2.3. Government Purchase Card (GPC)							-			B	-	

1. Tasks, Knowledge And Technical References	2. Core/ War-time Tasks	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Page 58)					
		A	B	C	D	E	A 3 Skill Level		B 5 Skill Level		C 7 Skill Level	
		Tng Start	Tng Compl	Trainee Initials	Trainer Initials	Cert Initials	(1) Course	(2) CDC	(1) Course	(2) CDC	(1) Course	(2) CDC
6.3.2.4. Rental/Lease vehicles												
6.3.2.4.1. Short Term	7						-			B	-	
6.3.2.4.2. Long Term	7						-			B	-	
6.3.2.4.3. Lease with Option to Buy	7						-			B	-	
6.3.3. Delayed Maintenance												
6.3.3.1. Maintenance/Parts	*/5						B			B	-	
6.3.3.2. VDP	*/5						B			B	-	
6.3.3.3. Reconcile Delayed Maintenance Files	5						b			b	-	
6.3.4. Scheduled Maintenance												
6.3.4.1. Scheduled/Special/Concurrent Inspections	*/5						B			B	-	
6.3.4.2. TCTOs/ Service Bulletins/ Manufacturer's Recalls	*/5						B			B	-	
6.3.4.3. Manage TCTO's/Service Bulletins/ Manufacturer's Recalls	7						-			-	2b	
6.3.4.4. Develop Long Range Scheduled Maintenance Plan	7						a			b	-	
6.3.4.5. Mileage Estimator	7						B			B	-	
6.3.4.6. Vehicle Identification Link (VIL) Key							-			-	-	
6.3.5. Vehicle/Part Warranty	5						B			B	-	
6.3.6. Limited Technical Inspection (LTI)	*/5						B			B	-	
6.3.7. Replacement Codes	7						B			B	-	
6.3.8. Deficiency Reports	7						B			B	-	
6.3.9. Monitor Cannibalization Procedures	*/5						b			b	-	
6.3.10. Develop Depot Maintenance Plan	7						-			b	2b	
6.3.11. Vehicle Modification/add-ons							-			B	-	
6.3.12. Vehicle/Equipment Storage							-			B	-	
6.3.13. Corrosion control							-			B	-	
6.3.14. Perform Annual Refundable/Reimbursable Validation	5						-			b	-	
6.3.15. Vehicle Control Function												
6.3.15.1. VCO/VCNCO Program	7						B			B		
6.3.15.2. Vehicle Assessments	5						-			B		
6.3.15.3. Unit Assistance Visit	7						-			B		

1. Tasks, Knowledge And Technical References	2. Core/ War-time Tasks	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Page 58)					
		A	B	C	D	E	A 3 Skill Level		B 5 Skill Level		C 7 Skill Level	
		Tng Start	Tng Compl	Trainee Initials	Trainer Initials	Cert Initials	(1) Course	(2) CDC	(1) Course	(2) CDC	(1) Course	(2) CDC
6.3.15.4. Vehicle Rotations	5						-			B		
6.3.16. Official Travel												
6.3.16.1. Toll Tickets							-			-	-	
6.3.16.2. Fleet Service Card	5						B			B	-	
6.3.16.3. AF Form 15							-			-	-	
6.4. Vehicle Priorities												
6.4.1. Mission Essential Level (MEL)	*/7						B			B	-	
6.4.2. Vehicle Priority Recall	*/7						B			B	-	
6.5. Parts Requisition Priorities (SRD/FAD/UJC)							-			B	-	
7. MATERIEL CONTROL TR: AFI 24-302; AFMANs 23-110 V2 PT13, 24-307; AFSCM 24-1; Supply publication FEDLOG												
7.1. Federal Supply System							-			B	-	
7.2. Determine Supply Requirements												
7.2.1. Bench stock							-			b	-	
7.2.2. Adjusted Stock Level							-			b	-	
7.2.3. Working Stock							-			b	-	
7.2.4. Repair Cycle Support							-			b	-	
7.3. Supply Management Products/Listings							-			B	-	
7.4. Management of Tires and Batteries							-			B	-	
7.5. Initiate Requisitions							-			B	-	
8. PRODUCTION CONTROL AND WORKLOAD SCHEDULING TR: AFIs 24-301, 24-302; AFMAN 24-307; AFCSM 24-1												
8.1. Control Work Flow	*/5						b			b	-	
8.2. Vehicle Status Control Board												
8.2.1. Coordinate Status	5						-			-	-	
8.2.2. Update Vehicle/ Equipment Status	*/5						2b			-	-	
8.2.3. Perform/Reconcile Yard Check	5						-			b	-	
8.2.4. Prepare Control Board Vehicle Status Reports	*/5						2b			-	-	
8.3. Coordinate Mobile Maintenance							-			-	-	

1. Tasks, Knowledge And Technical References	2. Core/ War-time Tasks	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Page 58)					
		A	B	C	D	E	A 3 Skill Level		B 5 Skill Level		C 7 Skill Level	
		Tng Start	Tng Compl	Trainee Initials	Trainer Initials	Cert Initials	(1) Course	(2) CDC	(1) Course	(2) CDC	(1) Course	(2) CDC
9. DATA COLLECTION AND PROCESSING TR: AFI 24-302; AFMAN 24-307; AFSCM 24-1; TO's 00-35D-54, 36-1-191, 36A-1-1301												
9.1. Annotate Source Documents												
9.1.1. Vehicle/Equipment Work Orders	*/5						2b			-	-	
9.1.2. Operator Inspection Guide	*/5						2b			-	-	
9.1.3. Delayed Maintenance/VDP	*/5						2b			-	-	
9.1.4. Labor Hour Accounting	*/5						2b			-	-	
9.1.5. Supply Documents	7						-			-	-	
9.2. Assign System Codes	*/5						1a			-	-	
9.3. Initiate Parameters to Prepare OLVIMS for Data Processing												
9.3.1. New Site/ New Month / Daily	*/5						2b			-	-	
9.3.2. End of Day/Month	*/5						2b			-	-	
9.3.3. OLVIMS Partial Archive (Sneaker LAN)							-			-	-	
9.4. Establish/Update Master Records												
9.4.1. Vehicle/Equipment	*/5						2b			b	-	
9.4.2. Employee	*/5						2b			b	-	
9.4.3. High Cost Bench Stock	*/5						2b			b	-	
9.4.4. Load/Update Organization Code Table	*/5						2b			-	-	
9.4.5. Load/Update Work Center Table	*/5						2b			-	-	
9.5. Process Daily Inputs												
9.5.1. Work Orders	*/5						2b			-	-	
9.5.2. Commercial Parts Issues	*/5						2b			-	-	
9.5.3. Delayed Maintenance/VDP	*/5						2b			-	-	
9.5.4. Labor Hour Accounting	*/5						2b			-	-	
9.5.5. Parts/Fuel Transactions	*/5						2b			-	-	
9.5.6. Errors/Rejects	*/5						2b			-	-	
9.6. Validate/Edit (OLVIMS) Input/Output	*/5						2b			-	-	
9.7. Back-up/Restore Data	*/5						2b			b	-	

1. Tasks, Knowledge And Technical References	2. Core/ War-time Tasks	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Page 58)					
		A	B	C	D	E	A 3 Skill Level		B 5 Skill Level		C 7 Skill Level	
		Tng Start	Tng Compl	Trainee Initials	Trainer Initials	Cert Initials	(1) Course	(2) CDC	(1) Course	(2) CDC	(1) Course	(2) CDC
9.8. OLVIMS Software												
9.8.1. Load OLVIMS							-			b	-	
9.8.2. Update OLVIMS Release							-			-	-	
9.8.3. System Malfunction Recovery	7						-			B	-	
9.9. Monthly Processing Actions	5						-			-	-	
9.10. Quarterly Processing Actions	5						-			-	-	
9.11. Generate OLVIMS Output Products	*/5						2b			-	-	
9.12. Prepare Deficiency Reports	*/7						2b			-	2b	
9.13. Prepare/Update Limited Technical Inspection (LTI)	*/5						2b			-	-	
9.14. Process OLVIMS (AFIS) Input	5											
9.14.1. DRMS							2b			b	-	
9.14.2. Vehicle Receipt							2b			b	-	
9.14.3. Vehicle Shipment							2b			b	-	
9.14.4. Vehicle Rotation							2b			b	-	
9.15. Data System Reconciliation												
9.15.1. OLVIMS/REMS (M06)	5						2b			b	-	
9.15.2. MAJCOM (VAL)							-			b	-	
9.15.3. Vehicle Management Index File	7						-			b	-	
9.15.4. OLVIMS/AFIS	5						2b			b	-	
10. DATA INTERPRETATION, ANALYSIS, AND PRESENTATION TR: AFI 24-301 AFIs 24-302, AFMAN 24-307; AFP 36-2241; AFSCM 24-1, Commercial Manuals												
10.1. Interpret OLVIMS Management Products												
10.1.1. VIC Report	5						2b			b	-	
10.1.2. Delayed Maintenance	5						2b			b	-	
10.1.3. Scheduled Maintenance Report	5						2b			b	-	
10.1.4. Master Lists	5						2b			b	-	
10.1.5. Work Order Master	5						2b			b	-	
10.1.6. Excessive Labor Hour Report/Accident, Abuse and Uneconomical Repair Work Orders	7						-			b	-	

1. Tasks, Knowledge And Technical References	2. Core/ War-time Tasks	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Page 58)					
		A	B	C	D	E	A 3 Skill Level		B 5 Skill Level		C 7 Skill Level	
		Tng Start	Tng Compl	Trainee Initials	Trainer Initials	Cert Initials	(1) Course	(2) CDC	(1) Course	(2) CDC	(1) Course	(2) CDC
10.1.7. Monthly Listings	7						2b			b	2b	
10.1.8. Quarterly Listing	7						-			b	2b	
10.1.9. Inquiries	7						2b			-	2b	
10.1.10. "Canned" Retrievals	7						-			-	2b	
10.1.11. Develop "Ad Hoc" Retrievals	7						-			-	2b	
10.1.12. Vehicle Authorization List (VAL)	7						2b			b	-	
10.1.13. Custodian Authorization/Custody Receipt Listing (CA/CRL)	7						2b			b	-	
10.1.14. Refundable/ reimbursable list	7						-			b	b	
10.2. Analysis												
10.2.1. Analysis Process	7						-			B	B	
10.2.2. Control Charts	7						-			-	B	
10.3. Analyze OLVIMS Management Products												
10.3.1. Repair	7						-			b	2b	
10.3.2. Utilization	7						-			b	2b	
10.4. Presentations												
10.4.1. Develop visual media							-			b	2b	
10.4.2. Write Narratives to Support Studies/Analysis							-			b	-	
10.4.3. Conduct briefings							-			-	-	
11. Registered Equipment Management System (REMS) TR: AFMAN 23-110, AFI 24-301, Command Directives												
11.1. Maintain Vehicle Allocation/Due-In Listing	7						2b			b	-	
11.2. REMS CBI Course	5/7						-			-	-	
11.3. Process REMS Transactions												
11.3.1. DRMS Vehicles							b			b	-	
11.3.2. Vehicle Receipts							b			b	-	
11.3.3. Funds and Equipment Transfer (FET)							b			b	-	
11.3.4. Vehicle Shipments							b			b	-	
11.3.5. Unreported Assets							b			b	-	
11.3.6. Vehicle Repair Authority and Disposition Action							b			b	-	
11.3.7. AFEMS Rejects							b			b	-	
11.4. Air Force Equipment Management System (AFEMS)	7						A			-	-	

1. Tasks, Knowledge And Technical References	2. Core/ War-time Tasks	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Page 58)					
		A	B	C	D	E	A 3 Skill Level		B 5 Skill Level		C 7 Skill Level	
		Tng Start	Tng Compl	Trainee Initials	Trainer Initials	Cert Initials	(1) Course	(2) CDC	(1) Course	(2) CDC	(1) Course	(2) CDC
12. SUPERVISION AND TRAINING TR: AFIs 24-302, 36-2201, 38-101, AFMANs 24-307, 36-2108; AFPs 36-2241, 36-2618; AFCAT 36-2223;												
12.1. Supervision												
12.1.1. Supervise personnel	7						-			-	-	
12.1.2. Evaluate personnel performance	7						-			-	-	
12.2. Training												
12.2.1. Resolve Personnel Training needs	7						-			-	-	
12.2.2. Prepare Job Qualification Standards	7						-			-	-	
12.2.3. Motivate Trainers And Trainees	7						-			-	-	
12.2.4. Counsel Trainers And Trainees On Training Progress	7						-			-	-	
12.3. Monitor Effectiveness of:												
12.3.1. Career Knowledge Upgrade Training	7						-			-	-	
12.3.2. Job Proficiency Upgrade Training	7						-			-	-	
12.3.3. Qualification Training	7						-			-	-	
12.4. Document Training Records	7						-			-	-	
13. WRM Vehicle Program Management (AFI 25-101, TO 36-1-191)										-		-

SECTION B--Course Objective List

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

6. **Standard.** A standard is established for each written examination. Standards for performance measurement are indicated in the objective and delineated on the individual progress checklist. Instructor assistance is provided as needed during the progress check, and students may be required to repeat all or part of the behavior until satisfactory performance is attained.

7. **Proficiency Level.** Most task performance is taught to the "2b" proficiency level which means the student can do most parts of the task, but does need assistance on the hardest parts of the task (partially proficient). The student can also determine step by step procedures for doing the task. If an STS reference is underlined in an objective, then that objective finalizes the teaching on that STS line item.

8. **Course Objectives.** These objectives are listed in the sequence taught by Block of Instruction. However, the objectives for the Vehicle Body Mechanic course are listed by STS item sequence.

8.1. **Initial Skills Courses:**

8.1.1. **Title: Interservice Mechanic Apprentice Course**
Note: This course is a Navy course taught by Air Force and Navy instructors at Port Hueneme CA. This course is the initial qualifying course for the Air Force courses that award the 3-level AFSC in the following career fields: 2T3X1, 2T3X2A, 2T3X2B, 2T3X2C.

8.1.1.1. **Unit 1.0 - Internal Combustion Engine and Lubrication System, Shop Safety, Tools**
8.1.1.1.1. Given Material Safety Data Sheets (MSDS) and service manuals list safety notices, warnings, safety equipment, and describe general shop safety, storage practices and practice personnel safety. (Interspersed throughout course) to include hazardous waste management, pollution prevention, waste minimization and hazardous material management. STS: 3.1, 3.5.1, 3.5.2, 3.5.3 and 3.5.4 Meas: W
8.1.1.1.2. Given a list or illustration, identify and describe the function of the cooling, lubrication, valve train and sub systems of the gasoline engine. STS: 12.7.1, 12.7.2, 12.7.3, 12.7.4, and 12.7.5 Meas: W
8.1.1.1.3. Given an inventory sheet, identify tools, inventory a tool kit and describe the general safety precautions required when using common tools and shop equipment to include actual use of tools to perform maintenance. (These practices will be performed throughout the course.) STS: 10.4 Meas: W

8.1.1.2. **Internal Combustion Engine Disassembly, Inspection and Assembly; Tune-up, Isolate Malfunctions**
8.1.1.2.1. Using applicable manufacturer's service manual, describe and list the sequence of disassembly, inspection, assembly, specifications, and safety procedures required to disassemble an engine. STS: 12.1 Meas: W
8.1.1.2.2. Given a gasoline engine and tools, as a member of a three-person team, disassemble, inspect and assemble a gasoline engine to manufacturer's specification, using the appropriate manufacturer's service manuals, while demonstrating correct safety practices. STS: 12.2, 12.3, and 12.5 Meas: PC
8.1.1.2.3. Using applicable manufacturer's service manual, describe and list the sequence and safety requirements for tune-up procedures, to include, specifications, valve adjustment and initial ignition timing. STS: 12.7.3 and 14.1.4 Meas: W
8.1.1.2.4. Given a internal combustion engine, as a member of a three-person team using manufacturer's service manuals and tools, perform a major tune-up to include valve adjustment, compression testing and ignition system timing adjustment, in accordance with manufacturer's specifications, while demonstrating correct safety practices. STS: 12.10.2, 12.6 and 14.5.1 Meas: PC
8.1.1.2.5. Using a applicable manufacturer's service manual, describe and list the sequence and safety requirements for isolating malfunctions on engine block components. STS: 12.7.1, 12.7.2, 12.7.3, 12.7.4, and 12.7.5 Meas: W
8.1.1.2.6. Given an internal combustion engine, as a member of a three-person team, utilizing manufacturer's service manuals and tools, isolate malfunctions of cooling system and valve train, in accordance with manufacturer's

specifications, while demonstrating correct safety practices. STS: 12.9.1 and 12.9.3 Meas: PC

8.1.1.3. **Electrical System**
8.1.1.3.1. From memory, define fundamental elements of basic electric/electronics in accordance with applicable reference materials. STS: 14.1.1 Meas: W
8.1.1.3.2. Given an electrical/electronic circuit diagram, interpret electrical/electronic symbols and trace current flow by correctly matching electrical/electronic symbols with the definition and trace current flow in an electrical diagram in accordance with applicable reference materials. STS: 14.2 Meas: PC
8.1.1.3.3. From memory, describe fundamentals, operation, terms and components of automotive batteries. STS: 14.1.2 Meas: W
8.1.1.3.4. Given appropriate service manuals list the manufacturer's safety requirements for the performance of maintenance on automotive batteries. STS: 14.1.2 Meas: W
8.1.1.3.5. Given examples of battery conditions determine battery condition in accordance with manufacturer's specification. STS: 14.1.2 Meas: W
8.1.1.3.6. Given applicable service manuals, tools, and test equipment, test battery condition and demonstrate correct safety practices, while working as a member of a three-person team, in accordance with manufacturer's specifications.
STS: 14.6.1 Meas: PC
8.1.1.3.7. Given a DC circuit simulator perform maintenance and isolate malfunctions of a DC circuit to include batteries, wiring and switches, in accordance with manufacturer's specifications. STS: 14.6.1 Meas: PC
8.1.1.3.8. From memory, describe operation, terms, and component function of cranking systems. STS: 14.1.3 Meas: W
8.1.1.3.9. Given appropriate service manuals list the safety requirements required by the manufacturer for the performance of maintenance of cranking systems. STS: 14.1.3 Meas: W
8.1.1.3.10. From memory, describe operation, terms and component function of solenoids in accordance with manufacturer's specification. STS: 14.1.3 Meas: W
8.1.1.3.11. Given applicable service manuals, tools and test equipment remove, inspect, and replace cranking system components, while demonstrating correct safety practices, while working as a member of a three-person team, in accordance with manufacturer's specifications. STS: 14.6.5 Meas: PC
8.1.1.3.12. Given a starting system simulator perform maintenance and isolate malfunctions of starting systems to include batteries, starters, solenoids, switches and wiring, in accordance with manufacturer's specifications. STS: 14.6.5 and 14.6.7 Meas: PC
8.1.1.3.13. From memory, describe operation, terms, and component function of charging systems. STS: 14.1.5 Meas: W
8.1.1.3.14. Given appropriate service manuals list the safety requirements required by the manufacturer for performance of maintenance of charging systems. STS: 14.1.5 Meas: W
8.1.1.3.15. Given applicable service manuals, tools and test equipment remove, inspect, and replace alternating current (AC) charging system components while demonstrating correct safety practices, while working as a member of a three-person team, in accordance with manufacturer's specifications. STS: 14.6.1 Meas: PC
8.1.1.3.16. Given a charging system simulator, perform maintenance and isolate malfunctions on a charging system to include batteries, alternators, voltage regulators, switches, relays and wiring, in accordance with manufacturer's specifications. STS: 14.6.1 Meas: PC
8.1.1.3.17. From memory, describe operation, terms and component function of lighting, accessory and warning circuits in accordance with manufacturer's specification. STS: 14.1.7 and 14.1.8 Meas: W
8.1.1.3.18. Given appropriate service manuals list the safety requirements required by the manufacturer for the performance of maintenance on lighting, accessory and warning circuits. STS: 14.1.7 and 14.1.8 Meas: W
8.1.1.3.19. Given applicable service manuals, tools and test equipment, isolate and repair lighting, accessory and warning indicator component malfunctions and demonstrate correct safety practices, while working as a member of a three-person team, in accordance with manufacturer's specifications. STS: 14.6.4 and 14.6.6 Meas: PC
8.1.1.3.20. Given a lighting system simulator, perform maintenance and isolate malfunctions on a lighting system to include batteries, switches, relays, lamps and wiring, in accordance with manufacturer's specifications. STS: 14.6.4 and 14.6.6 Meas: PC
8.1.1.3.21. Given appropriate service manuals list the safety requirements required by manufacturer for the performance of maintenance on air bag system. STS: 23 Meas: W
8.1.1.3.22. From memory, describe operation, terms and component function of air bags in accordance with manufacturer's specification. STS: 23 Meas: W

8.1.1.3.23. Given applicable service manuals, tools and equipment, isolate malfunctions on solenoids in accordance with manufacturer's specification, while observing appropriate safety precautions. STS: 14.6.5 and 14.6.7 Meas: PC

8.1.1.4. **Electronic Ignition/Fuel System/Emission System/On-Board Computer System**
8.1.1.4.1. Using appropriate service manual, list the safety requirements dictated by the manufacturer for the performance of maintenance on automotive ignition systems. STS: 14.1.4 Meas: W
8.1.1.4.2. From memory, describe operation, combustion cycle, terms and component function of ignition systems. STS: 14.1.4 Meas: W
8.1.1.4.3. Perform maintenance and isolate malfunctions on electronic ignition systems. STS: 14.6.3 Meas: PC
8.1.1.4.4. Given applicable service manuals, tools and equipment, remove, install and inspect distributor components in accordance with manufacturer's specifications, while demonstrating appropriate safety precautions. STS: 14.3.2 and 14.5.1 Meas: PC
8.1.1.4.5. From memory, describe operation, terms and component function of fuel/air systems in accordance with applicable manufacturer's service manuals. STS: 12.7.4 Meas: W
8.1.1.4.6. Utilize appropriate service manuals, list the manufacturer's safety requirements required by the manufacture for the performance of maintenance on gasoline fuel systems. STS: 12.7.4 Meas: W
8.1.1.4.7. Perform maintenance and isolate malfunction on fuel/air systems. STS: 12.9.4 Meas: PC
8.1.1.4.8. Given applicable service manuals, tools, and equipment, perform maintenance, trace diagrams, schematics and isolate malfunctions on gasoline engine emission control systems in accordance with manufacturer's specifications. STS: 12h Meas: PC
8.1.1.4.9. From memory, describe operation, terms and component function of an emission control system to include EGR, TVS and PCV valves, air pumps, catalytic converters and lines. STS: 12.7.5 Meas: W
8.1.1.4.10. Using appropriate service manuals, list the manufacturer's safety requirements for the performance of maintenance on emission control systems. STS: 12.7.5 Meas: W
8.1.1.4.11. Perform maintenance and isolate malfunctions on emission control system. STS: 12.8 and 12.9.5 Meas: PC
8.1.1.4.12. From memory, describe operation, terms and component function of On-Board Computer System. STS: 14.1.6 Meas: W
8.1.1.4.13. Given tools and equipment, working as a member of a three-person team, retrieve and interpret codes, in order to isolate malfunction on On-Board Computer System in accordance with manufacturer's specifications, while demonstrating appropriate safety precautions. STS: 14.6.8, 14.7.1 and 14.7.2 Meas: PC
8.1.1.4.14. Given tools and equipment, working as a member of a three-person team, remove and install computer system components in accordance with manufacturer's specifications, while demonstrating appropriate safety precautions. STS: 14.3.1 Meas: PC

8.1.1.5. **Heating and Air Conditioning Systems**
8.1.1.5.1. Using appropriate service manuals, list the safety requirements necessary to remove and replace automotive and truck heating and air conditioning systems in accordance with the manufacturer's service manuals. STS: 21.1 and 22.1 Meas: W
8.1.1.5.2. From memory, describe operation, terms and component function of automotive and truck heating and air conditioning systems. STS: 21.1, 22.1 Meas: W
8.1.1.5.3. Using applicable manufacturer's service manual, tools, and equipment, isolate malfunctions and isolate leaks on automotive and truck air conditioning systems in accordance with manufacturer's specifications, while demonstration appropriate safety precautions. STS: 22.24.1 and 22.4.2 Meas: PC

8.1.1.6. **Hydraulic System**
8.1.1.6.1. From memory, describe terms of basic hydraulic principles and identify schematic symbols and trace prints, applicable to a simple hydraulic system. STS: 15.1 and 15.3 Meas: PC/W
8.1.1.6.2. List the safety requirements and procedures required to service hydraulic systems. STS: 15.1 Meas: W
8.1.1.6.3. From memory, describe the procedures required to disassemble, assemble and hone hydraulic cylinders. STS: 15. 1 Meas: W
8.1.1.6.4. Given tools and equipment, assemble and operate a simple hydraulic system specified by the instructor or a locally prepared job sheet, while demonstrating appropriate safety precautions. STS: 15.2 Meas: PC
8.1.1.6.5 Given tools and equipment, working as a member of a three-person team manufacture and test a hydraulic hose assembly, specified by the instructor or a locally prepared job sheet, while demonstrating appropriate safety precautions. STS: 15.4 Meas: PC

8.1.1.6.6. Given tools and equipment, working as a member of a three-person team, disassemble and assemble a hydraulic cylinder as specified by the instructor or a locally prepared job sheet, while demonstrating appropriate safety precautions. STS: 15 Meas: PC

8.1.1.7. **Suspension and Steering System**
8.1.1.7.1. Using appropriate service manuals, list the safety requirements necessary to remove and replace automotive and truck suspension systems in accordance with the manufacturer's service manual. STS: 17.1 Meas: W
8.1.1.7.2. From memory, describe operation, terms and component function of automotive and truck suspension systems. STS: 17.1 Meas: W
8.1.1.7.3. Given applicable manufacturer's service manual, tools, and equipment, as a member of a three-person team, perform inspection on automotive or truck suspension systems, to include shock absorbers, springs and bushings, while demonstrating appropriate safety precautions. STS: 17.3 Meas: PC
8.1.1.7.4. Using appropriate service manuals, list the safety requirements necessary to remove and replace automotive and truck steering assemblies in accordance with the manufacturer's service manual. STS: 18.1 Meas: W
8.1.1.7.5. From memory, describe operation, terms and component functions of automotive and truck steering assemblies. STS: 18.1 Meas: W
8.1.1.7.6. Using applicable manufacturer's service manual, describe and list the procedures to remove, replace, and inspect automotive and truck steering linkages, kingpins/balljoints and pumps. STS: 17.1 17.4 and 18.1 Meas: W
8.1.1.7.7. Using applicable service manuals, tools, and equipment, inspect automotive or truck steering linkages, isolate malfunctions and adjust steering assemblies while demonstrating appropriate safety precautions. STS: 18.3, 18.4, and 18.5 Meas: PC

8.1.1.8. **Clutches/Manuals Transmissions**
8.1.1.8.1. Using appropriate service manuals, list the safety requirements necessary to remove and replace automotive and truck clutches in accordance with the manufacturer's service manual. STS: 16.1.2 Meas: W
8.1.1.8.2. From memory, describe operation, terms, and component functions of automotive and truck clutch components to include mechanical lever, cable and hydraulic slave cylinder control units. STS: 16.1.2 Meas: W
8.1.1.8.3. Using applicable manufacturer's service manual, describe and list the procedures to remove and replace, adjust and isolate automotive and truck clutch assemblies to include mechanical lever, cable and hydraulic slave cylinder control units. STS: 16.1.2 Meas: W
8.1.1.8.4. Using applicable service manuals, tools, and equipment, adjust, remove, and install an automotive and truck clutch assembly in accordance with manufacturer's specifications, while demonstrating appropriate safety precautions. STS: 16.2.2 Meas: PC
8.1.1.8.5. Using appropriate service manuals, list the safety requirements necessary to remove and replace automotive and truck manual transmissions in accordance with the manufacturer's service manual. STS: 16.1.1 Meas: W
8.1.1.8.6. From memory, describe operation, terms and component functions of automotive and truck manual transmission shifting linkages and controls. STS: 16.1.1 Meas: W
8.1.1.8.7. Using applicable manufacturer's service manual, describe and list the procedures to remove and replace, adjust linkage, and isolate automotive and truck manual transmission shifting linkages and controls. STS: 16.1.1 Meas: W
8.1.1.8.8. Using applicable service manuals, tools, and equipment service, remove and install an automotive or truck manual transmission, and adjust shift linkages, while demonstrating appropriate safety precautions. STS: 16.2.12 and 16.5.3 Meas: PC

8.1.1.9. **Automatic Transmissions**
8.1.1.9.1. Using appropriate service manuals, list the necessary safety requirements to remove and replace automotive and truck automatic transmissions and torque converters, in accordance with the manufacturer's service manuals. STS: 16.1.1 Meas: W
8.1.1.9.2. From memory, describe operation, terms and component functions of automotive and truck automatic transmissions and torque converters to include shifting linkages and controls. STS: 16.1.1 Meas: W
8.1.1.9.3. Using applicable manufacturer's service manual, describe and list the procedures to remove, replace and adjust linkages on automotive and truck automatic transmission and torque converters, to include shifting linkages and controls. STS: 16.1.1 Meas: W

8.1.1.9.4. Using applicable service manuals, tools, and equipment, service, and isolate malfunctions on an automotive or truck automatic transmission, while demonstrating appropriate safety precautions. STS: 16.7 Meas: PC

8.1.1.10. **Transaxle and Front Wheel Drive**
8.1.1.10.1. Using appropriate service manuals, list the safety requirements necessary to remove and replace transaxle and front wheel drive in accordance with the manufacturer's service manual. STS: 16.1.6 Meas: W
8.1.1.10.2. From memory, describe operation, terms, and component functions of transaxle and front wheel drive. STS: 16.1.6 Meas: W
8.1.1.10.3. Using applicable manufacturer's service manual, tools, and equipment, isolate malfunctions on a transaxle and front wheel drive. STS: 16.4.5 Meas: PC
8.1.1.10.4. Using tools and equipment, working as a member of a three-person team, remove and replace axles and CV boot in accordance with manufacturer's specifications in service manual. STS: 16.2.7 and 16.2.8 Meas: PC

8.1.1.11. **Transfer Case and Auxiliary Gear Box**
8.1.1.11.1. Using appropriate service manuals, list the safety requirements necessary to remove and replace transfer case and auxiliary gear box in accordance with the manufacturer's service manual. STS: 16.1.3 Meas: W
8.1.1.11.2. From memory, describe operation, terms, and component functions of transfer case and auxiliary gear box. STS: 16.1.3 Meas: W

8.1.1.12. **Drive Trains**
89.1.1.12.1. Using appropriate service manuals, list the safety requirements necessary to remove and replace automotive and truck drive trains, in accordance with the manufacturer's service manual. STS: 16.1.5 Meas: W
8.1.1.12.2. From memory, describe operation, terms and component functions of automotive and truck drive trains. STS: 16.1.5 Meas: W
8.1.1.12.3. Using applicable manufacturer's service manual, describe and list the procedures to remove, adjust, and replace linkages, and isolate malfunctions on automotive and truck drive trains. STS: 16.1.5 Meas: W
8.1.1.12.4. Using applicable service manuals, tools, and equipment, service, remove, and install an automotive or truck drive shaft and u-joints, while demonstrating appropriate safety precautions. STS: 16.2.5 and 16.2.11 Meas: PC

8.1.1.13. **Drive Axles**
8.1.1.13.1. Using appropriate service manuals, list the safety requirements necessary to remove and replace automotive and truck differentials and drive axles, in accordance with the manufacturer's service manual. STS: 16.1.4 Meas: W
8.1.1.13.2. From memory, describe operation, terms, and component functions of automotive and truck differentials and drive axles. STS: 16.14 Meas: W
8.1.1.13.3 Using applicable manufacturer's service manual, describe and list the procedures to remove and replace, adjust linkages, and isolate malfunctions on automotive and truck differentials and drive axles.
STS: 16.1.4 Meas: W
8.1.1.13.4. Using applicable service manuals, tools, and equipment, as a member of a three-person team, service an automotive or truck drive axle/differential assembly, while demonstrating appropriate safety precautions. STS: 16.4.1 Meas: PC

8.1.1.14. **Wheels and Tires**
8.1.1.14.1. Using appropriate service manuals, list the safety requirements necessary to remove and replace automotive and truck tire and wheel assemblies in accordance with the manufacturer's service manual. STS: 16.6 Meas: W
8.1.1.14.2. From memory, describe operation, terms and component functions of automotive and truck tire and wheel assemblies. STS: 16.6 Meas: W
8.1.1.14.3. Using applicable manufacturer's service manual, describe and list the procedures to remove and replace, and inspect automotive and truck tires, wheel assemblies and wheel studs. STS: 16.6 Meas: W
8.1.1.14.4. Using applicable manufacturer's service manual, describe and list the procedures to balance automotive and truck tires. STS: 16.9 Meas: W
8.1.1.14.5. Using applicable service manuals, tools, and equipment, service, remove, inspect, and install front and rear automotive or truck wheel bearings and grease seals, while demonstrating appropriate safety precautions. STS:

16.2.6 and 16.2.10 Meas: PC
8.1.1.14.6. Using applicable service manuals, describe and list the procedure to service and repair automotive or truck tires while also describing appropriate safety precautions. STS: 16.6.1, 16.6.2 and 16.6.3 Meas: W

8.1.1.15. **Hydraulic brakes**
8.1.1.15.1. Given appropriate service manuals, list the safety requirements necessary to disassemble and assemble hydraulic brake systems in accordance with the manufacturer's service manual. STS: 19.1 Meas: W
8.1.1.15.2. From memory, describe operation, terms, and component functions of hydraulic brake system components, to include master cylinders, vacuum-over-hydraulic, hydraulic power booster units, drum and disc brake assemblies, and parking brakes. STS: 19.1 Meas: W
8.1.1.15.3. Given applicable manufacturer's service manual, tools, and equipment, as a member of a three-person team, perform maintenance and isolate malfunctions on hydraulic brake system components, to include master cylinders, hydraulic, vacuum-over-hydraulic, hydraulic power booster units, drum and disc brake assemblies, and parking brakes. STS: 19.6.1 and 19.6.2, Meas: PC
8.1.1.15.4. From memory, describe operation, component functions, and service requirements of hydraulic anti-lock brake systems. STS: 19.1 Meas: W
8.1.1.15.5. Given applicable manufacturer's service manual, tools, and equipment, isolate malfunctions on hydraulic actuated anti-lock brake system. STS: 19.6.3 Meas: PC
8.1.1.15.6. Given applicable service manuals, tools, and equipment, as a member of a three-person team, remove, install, adjust and bleed hydraulic brake system components, to include master cylinders, drum and disc brake assemblies, brake lines, parking brakes, calipers, shoes, pads, and self-adjusting mechanism in accordance with manufacturer's specifications, while demonstrating appropriate safety precautions. STS: 19.2.1, 19.2.2, 19.2.3 19.2.4, 19.2.5, 19.2.6, 19.2.7, .19.2.8, 19.4.1, 19.4.2 and 19.5 Meas: PC

8.1.1.16. **Air Brakes**
8.1.1.16.1. From memory, describe terms of basic pneumatic principles and identify schematic symbols applicable to a simple pneumatic system. STS: 20.1 Meas: W
8.1.1.16.2. List the safety requirements and procedures required to service pneumatic systems. STS: 20.1 Meas: W
8.1.1.16.3. Using appropriate service manuals, list the safety requirements necessary to disassemble and assemble air brake systems in accordance with the manufacturer's service manual. STS: 20.1 Meas: W
8.1.1.16.4. From memory, describe operation, terms, and component functions of air actuated brake system components, to include reciprocating air compressors, valves, gauges, switches, brake and rotors, chambers, slack adjusters and lines. STS: 20.1 Meas: W
8.1.1.16.5. Using applicable manufacturer's service manual, tools, and equipment, isolate malfunctions, inspect, and adjust air-actuated brake system components, to include reciprocating air compressors, governors, valves, gauges, switches, brake chambers, slack adjusters, air-over-hydraulic units, and lines in accordance with manufacturer's specifications. STS: 20.3, 20.4.1, 20.4.2 and 20.5 Meas: PC
8.1.1.16.6. From memory, describe operation, terms, service requirements of air-actuated anti-lock brake systems. STS: 20.1 Meas: W
8.1.1.16.7. Using applicable manufacturer's service manual, describe and list the sequence and safety requirements described by the manufacturer's service manual, to perform maintenance on air-actuated anti-lock brake systems. STS: 20.1 Meas: W

8.1.1.17. **Introduction to Diesel Engines**
8.1.1.17.1. Given a list or illustrations, describe fundamentals, operation, terms, components, and component functions of two- and four-stroke cycle diesel engine, fuel supply, air, governor, cooling, lubrication, emission, and computer control systems. STS: 13.1, 13.4.1, 13.4.2, 13.4.3, 13.4.4, 13.4.5, and 13.4.6 Meas: W
8.1.1.17.2. Given a two and four stroke cycle diesel engine simulator perform maintenance and isolate malfunction of two and four-stroke cycle diesel engine in accordance with manufacturer's specifications. STS: 13.8.1 and 13.8.2 Meas: PC

8.1.1.18. **Unit Injector Fuel System**
8.1.1.18.1. From memory, describe component function, fuel flow, and governor operation of a unit injector fuel system in accordance with the manufacturer's service manual. STS: 13.1 and 13.4.4 Meas: W
8.1.1.18.2. Using service manuals, list the safety requirements and procedures required to perform an engine tune-up on a unit injector fuel system in accordance with the manufacturer's service manual. STS: 13.1 Meas: W
8.1.1.18.3. Using applicable manufacturer's service manual, describe and list the procedures to isolate malfunctions of a unit injector fuel system by selecting from a list the cause or solution of a malfunction. STS: 13.1 Meas: W
8.1.1.18.4. Given applicable service manuals, tools, and equipment, as a member of a three-person team, pre-start a diesel engine equipped with a unit injector fuel system, while demonstrating appropriate safety precautions. STS: 13.6 Meas: PC
8.1.1.18.5. Given applicable service manuals, tools, and equipment, as a member of a three-person team, adjust governor on a unit injector fuel system, in accordance with manufacturer's specifications, while demonstrating appropriate safety precautions. STS: 13.10.1 Meas: PC
8.1.1.18.6. Given applicable service manuals, tools, and equipment, as a member of a three-person team, adjust fuel rack on a unit injector fuel system, in accordance with manufacturer's specifications, while demonstrating appropriate safety precautions. STS: 13.10.3 Meas: PC

8.1.1.19. **Distributor Type Fuel System**
8.1.1.19.1. From memory, describe component function, fuel flow, and governor operation of a distributor type fuel system in accordance with the manufacturer's service manual. STS: 13.1 Meas: W
8.1.1.19.2. Given applicable service manuals, tools, and equipment, as a member of a three- person team, perform an engine tune-up on a distributor-type fuel system, to include compression test and pump timing, in accordance with the manufacturer's service manual, while demonstrating appropriate safety precautions. STS: 13.5, 13.7, 13.9 13.10.2 and 13.10.3 Meas: PC
8.1.1.19.3. Given applicable service manuals, tools, and equipment, as a member of a three-person team, pre-start a diesel engine equipped with a distributor type fuel system, while demonstrating appropriate safety precautions. STS: 13.6 Meas: PC
8.1.1.19.4. Given applicable service manuals, tools, and equipment, as a member of a three-person team, isolate malfunction on an automatic glow plug system, per manufacturer's specifications, while demonstrating appropriate safety precautions. STS: 14.6.2 Meas: PC
8.1.1.19.5. Given a distributor type fuel system simulator, perform maintenance and isolate malfunctions on a distributor type fuel system in accordance with manufacturer's specifications. STS: 13.8.1 and 13.8.2 Meas: PC

8.1.1.20. **Cummins Diesel Engine Fuel System**
8.1.1.20.1. From memory, describe component function, fuel flow, and governor operation of a pressure time fuel injector system and Cummins CELECT (computer control), in accordance with the manufacturer's service manual. STS: 13.1 Meas: W
8.1.1.20.2. Using applicable service manuals, tools, and equipment, as a member of a three-person team, isolate malfunction and read codes on a diesel engine equipped with a Cummins CELECT (computer control) fuel injector system, while demonstrating appropriate safety precautions. STS: 13.8.2 Meas: PC

8.1.2. **Title: Vehicle and Equipment Maintenance Apprentice**
Note: This course is taught by the Air Force at Port Hueneme CA, and is the 3-level AFSC Awarding course for AFSC 2T3X1.
8.1.2.1 **Block I Haz-Comm, T.O.s, Cranes, Crawler Tractors, and Graders**
8.1.2.1.1 Complete Initial Federal Hazard Communication Training Program (FHCTP) workbook. STS: 3.3 MEAS: W Proficiency Level: A
8.1.2.1.2 Without reference complete statements relating to facts about Air Force Manuals and Technical Orders with at least seventy percent accuracy. STS: 5.1 MEAS: W and PC Proficiency Level: B
8.1.2.1.3 Given a maintenance T.O. and a list of maintenance tasks, locate and record information for each task with no more then three errors. STS: 5.2.1 MEAS: PC Proficiency Level: b
8.1.2.1.4 Identify principles pertaining to fundamentals of a crane with at least seventy percent accuracy. STS: 25.1 MEAS: W and PC Proficiency Level: B
8.1.2.1.5 Determine procedures to isolate malfunctions in the mechanical system with at least seventy percent accuracy. STS: 25.2.1 MEAS: W and PC Proficiency Level: b

8.1.2.1.6 Given a crane, applicable TO, tools, and test equipment, as a team member isolate malfunctions in the electrical system with no more than three instructor assists. STS: 25.2.2 MEAS: PC Proficiency Level: 2b
8.1.2.1.7 Determine procedures to isolate malfunctions in the hydraulic system with at least seventy percent accuracy. STS: 25.2.3 MEAS: W and PC Proficiency Level: b
8.1.2.1.8 Identify principles pertaining to fundamentals of a crawler tractor with at least seventy percent accuracy. STS: 26.1 MEAS: W and PC Proficiency Level: B
8.1.2.1.9 Identify principles pertaining to fundamentals of a grader with at least seventy percent accuracy. STS: 30.1 MEAS: W and PC Proficiency Level: B

8.1.2.2. **Block II Deicers and Towing Vehicles**
8.1.2.2.1 Identify principles pertaining to fundamentals of deicers with at least seventy percent accuracy. STS: 29.2.1 MEAS: W and PC Proficiency Level: B
8.1.2.2.2 Given a deicer, applicable TO, tools, and test equipment, as a team member isolate malfunctions in the dispensing system with no more than two instructor assists. STS: 29.2.2.3 MEAS: PC Proficiency Level: 2b
8.1.2.2.3 Given a deicer, applicable TO, tools, and test equipment, as a team member adjust the dispensing system with no more than two instructor assists. STS: 29.2.3.3 MEAS: PC Proficiency Level: 2b
8.1.2.2.4 Given a deicer, applicable TO, tools, and test equipment, as a team member isolate malfunctions in the hydraulic system with no more than two instructor assists. STS: 29.2.2.2 MEAS: PC Proficiency Level: 2b
8.1.2.2.5 Given a deicer, applicable TO, tools, and test equipment, as a team member adjust the hydraulic system with no more than two instructor assists. STS: 29.2.3.2 MEAS: PC Proficiency Level: 2b
8.1.2.2.6 Given a deicer, applicable TO, tools, and test equipment, as a team member isolate malfunctions in the electrical system with no more than two instructor assists. STS: 29.2.2.1 MEAS: PC Proficiency Level: 2b
8.1.2.2.7 Given a deicer, applicable TO, tools, and test equipment, as a team member repair the electrical system with no more than two instructor assists. STS: 29.2.4.1 MEAS: PC Proficiency Level: 2b
8.1.2.2.8 Identify principles pertaining to fundamentals of a towing tractor with at least seventy percent accuracy. STS: 29.1.1 MEAS: W and PC Proficiency Level: B
8.1.2.2.9 Given a towing tractor, applicable TO, tools, and test equipment, as a team member isolate malfunctions in the electrical system with no more than two instructor assists. STS: 29.1.2.1 MEAS: PC Proficiency Level: 2b
8.1.2.2.10 Given a towing tractor, applicable TO, tools, and test equipment, as a team member repair malfunctions in the electrical system with no more than two instructor assists. STS: 29.1.3.1 MEAS: PC Proficiency Level: 2b
8.1.2.2.11 Determine procedures to isolate malfunction in the hydraulic system with at least seventy percent accuracy. STS: 29.1.2.2 MEAS: W Proficiency Level: b
8.1.2.2.12 Determine procedures to isolate malfunction in the steering system with at least seventy percent accuracy. STS: 29.1.4.2 MEAS: W Proficiency Level: b
8.1.2.2.13 Determine procedures to adjust the steering system with at least seventy percent accuracy. STS: 29.1.2.3 MEAS: W Proficiency Level: b
8.1.2.2.14 Determine procedures to isolate malfunction in the braking system with at least seventy percent accuracy. STS: 29.1.2.4 MEAS: W Proficiency Level: b

8.1.2.3. **Block III Sweepers, Snow Brooms, and Blowers**
8.1.2.3.1 Identify principles pertaining to fundamentals of a regenerative air sweeper with at least seventy percent accuracy. STS: 27.1 MEAS: W and PC Proficiency Level: B
8.1.2.3.2 Given a sweeper, applicable TO, tools, and test equipment, as a team member isolate malfunctions in the electrical system with no more than three instructor assists. STS: 27.2.1 MEAS: PC Proficiency Level: 2b
8.1.2.3.3 Given a sweeper, applicable TO, tools, and test equipment, as a team member isolate malfunctions in the hydraulic system with no more than three instructor assists. STS: 27.2.2 MEAS: PC Proficiency Level: 2b
8.1.2.3.4 Given a sweeper, applicable TO, tools, and test equipment, as a team member isolate malfunctions in the water system with no more than three instructor assists. STS: 27.2.4 MEAS: PC Proficiency Level: 2b
8.1.2.3.5 Identify principles pertaining to fundamentals of a snow broom with at least seventy percent accuracy. STS: 28.1.1 MEAS: W and PC Proficiency Level: B
8.1.2.3.6 Given a snow broom, applicable TO, tools, and test equipment, as a team member isolate malfunctions in the snow broom with no more than three instructor assists. STS: 28.2.1 MEAS: PC Proficiency Level: 2b
8.1.2.3.7. Given a snow broom, applicable TO, tools, and test equipment, as a team member adjust the snow broom with no more than three instructor assists. STS: 28.4.1 MEAS: PC Proficiency Level: 2b
8.1.2.3.8 Identify principles pertaining to fundamentals of a snow blower, with at least seventy percent accuracy. STS: 28.1.2 MEAS: W and PC Proficiency Level: B

8.1.2.3.9 Given a snow blower, applicable TO, tools, and test equipment, as a team member isolate malfunctions in the snow blower with no more than three instructor assists. STS: 28.2.2 MEAS: PC Proficiency Level: 2b
8.1.2.3.10 Determine procedures to adjust the snow blower with at least seventy percent accuracy. STS: 28.4.2 MEAS: W and PC Proficiency Level: b

8.1.2.4. **Block IV Light and Heavy M-Series Vehicles**
81.2.4.1 Identify basic facts pertaining to fundamentals of the Light M-Series Vehicles mechanical system with at least seventy percent accuracy. STS: 24.1.1.1 Meas: W and PC Proficiency Level: B
8.1.2.4.2 Given a Light M-Series Vehicle, applicable TO, tools, and test equipment, as a team member isolate malfunctions in the mechanical system with no more than three instructor assists. STS: 24.2.1.1 Meas: PC Proficiency Level: 2b
8.1.2.4.3 Identify basic facts pertaining to fundamentals of the Light M-Series Vehicles electrical; system with at least seventy percent accuracy. STS: 24.1.1.2 Meas: W and PC Proficiency Level: B
8.1.2.4.4 Given a Light M-Series Vehicle, applicable TO, tools, and test equipment, as a team member isolate malfunctions in the electrical system with no more than three instructor assists. STS: 24.2.1.2 Meas: PC Proficiency Level: 2b
8.1.2.4.5 Identify basic facts pertaining to fundamentals of Heavy M-Series Vehicles mechanical system with at least seventy percent accuracy. STS: 24.1.2.1 Meas: W and PC Proficiency Level: B
8.1.2.4.6 Given a Heavy M-Series Vehicle, applicable TO, tools, and test equipment, as a team member isolate malfunctions in the mechanical system with no more than three instructor assists. STS: 24.2.2.1 Meas: PC Proficiency Level: 2b
8.1.2.4.7 Identify basic facts pertaining to fundamentals of Heavy M-Series Vehicles electrical system with at least seventy percent accuracy. STS: 24.1.2.2 Meas: W and PC Proficiency Level: B
8.1.2.4.8 Given a Heavy M-Series Vehicle, applicable TO, tools, and test equipment, as a team member isolate malfunctions in the electrical system with no more than three instructor assists. STS: 24.2.2.2 Meas: PC Proficiency Level: 2b
8.1.2.4.9 Identify basic facts pertaining to fundamentals of Heavy M-Series Vehicles air system with at least seventy percent accuracy. STS: 24.1.2.3 Meas: W and PC Proficiency Level: B
8.1.2.4.10 Given a Heavy M-Series Vehicle, applicable TO, tools, and test equipment, as a team member isolate malfunctions in the air system with no more than three instructor assists. STS: 24.2.2.3 Meas: PC Proficiency Level: 2b
8.1.2.4.11 Identify basic facts pertaining to fundamentals of Heavy M-Series Vehicles hydraulic system with at least seventy percent accuracy. STS: 24.1.2.4 Meas: W and PC Proficiency Level: B
8.1.2.4.12. Given a Heavy M-Series Vehicle, applicable TO, tools, and test equipment, as a team member isolate malfunctions in the hydraulic system with no more than three instructor assist. STS: 24.2.2.4 Meas: PC Proficiency Level: 2b

8.1.3 **Title: Special Vehicle Maintenance Apprentice, Fire Trucks Course**
Note: This course is taught by the Air Force at Port Hueneme CA, and is the 3-level AFSC Awarding course for AFSC 2T3X2A.

8.1.3.1 Block **I A/S32P-23 Fire Truck, O/I Maintenance**
8.1.3.1.1 Complete Initial Federal Hazard Communication Training Program (FHCTP) Workbook. STS: 3.3 Meas: W and PC Proficiency level: A
8.1.3.1.2 Without reference complete statements relating to facts about Air Force Manuals and Technical Orders with at least seventy percent accuracy. STS: 5.1 MEAS: W and PC Proficiency Level: A
8.1.3.1.3 Given a maintenance T.O. and a list of maintenance tasks, locate and record information for each task with no more than three errors. STS: 5.2.1 MEAS: PC Proficiency Level: 2b
8.1.3.1.4 Identify principles pertaining to fundamentals of the chassis electrical system with at least seventy percent accuracy. STS: 31.1.1.5 Meas: W and PC Proficiency level: B
8.1.3.1.5 Given a P-23, applicable TO, tools, and test equipment, as a team member isolate malfunctions in the chassis electrical system with no more than two instructor assists. STS: 31.2.1.5 Meas: PC Proficiency level: 2b
8.1.3.1.6 Given a P-23, applicable TO, tools, and test equipment, as a team member adjust chassis electrical system with no more than two instructor assists. STS: 31.5.1.5 *Meas*: PC Proficiency level: 2b
8.1.3.1.7 Identify principles pertaining to fundamentals of the chassis air system with at least seventy percent accuracy. STS: 31.1.1.4 Meas: W and PC Proficiency level: B

8.1.3.1.8 Given a P-23, applicable TO, tools, and test equipment, as a team member isolate malfunctions in the chassis air system with no more than two instructor assists. STS: 31.2.1.4 Meas: PC Proficiency level: 2b
8.1.3.1.9 Given a P-23, applicable TO, tools, and test equipment, as a team member adjust chassis air system components with no more than two instructor assists. STS: 31.5.1.4 Meas: PC Proficiency level: 2b
8.1.3.1.10 Given a P-23, applicable TO, tools, and test equipment, as a team member repair the chassis air system components with no more than two instructor assists. STS: 31.4.1.4 Meas: PC Proficiency level: 2b
8.1.3.1.11 Identify principles pertaining to fundamentals of the hydraulic system with at least seventy percent accuracy. STS: 31.1.1.3 Meas: W and PC Proficiency level: B
8.1.3.1.12 Given a P-23, applicable TO, tools, and test equipment, as a team member isolate hydraulic system malfunctions with no more than two instructor assists. STS: 31.2.1.3 Meas: PC Proficiency level: 2b
8.1.3.1.13 Given a P-23, applicable TO, tools, and test equipment, as a team member repair hydraulic system components with no more than two instructor assists. STS: 31.4.1.3 Meas: PC Proficiency level: 2b

8.1.3.2 **Block II A/S32P-23 Fire Truck, O/I Maintenance**
8.1.3.2.1 Identify principles pertaining to fundamentals of the dispensing system with at least seventy percent accuracy. STS: 31.1.1.1 Meas: W and PC Proficiency level: B
8.1.3.2.2 Given a P-23, applicable TO, tools, and test equipment, as a team member isolate malfunctions in the dispensing system with no more than two instructor assists. STS: 31.2.1.1 Meas: PC Proficiency level: 2b
8.1.3.2.3 Given a P-23, applicable TO, tools, and test equipment, as a team member adjust dispensing system components with no more than two instructor assists. STS: 31.5.1.1 Meas: PC Proficiency level: 2b
8.1.3.2.4 Given a P-23, applicable TO, tools, and test equipment, as a team member repair dispensing system components with no more than two instructor assists. STS: 31.4.1.1 Meas: PC Proficiency level: 2b
8.1.3.2.5 Identify principles pertaining to fundamentals of the mechanical systems with at least seventy percent accuracy. STS: 31.1.1.6 Meas: W and PC Proficiency level: B
8.1.3.2.6 Given a P-23, applicable TO, tools, test equipment and differential trainer, as a team member adjust the differential lock-up system components with no more than two instructor assists. STS: 31.5.1.6 Meas: PC Proficiency level: 2b
8.1.3.2.7 Given a P-23, applicable TO, tools, test equipment and differential trainer, as a team member repair mechanical system with no more than two instructor assists. STS: 31.4.1.6 Meas: PC Proficiency level: 2b

8.1.3.3 **Block III A/S32P-22 Fire Truck, O/I Maintenance**
8.1.3.3.1 Identify basic facts pertaining to fundamentals of the P-22 fire truck hydraulic system with at least seventy percent accuracy. STS: 31.1.2.3 Meas: W Proficiency level: B
8.1.3.3.2 Identify basic facts pertaining to fundamentals of the P-22 fire truck electrical system with at least seventy percent accuracy. STS: 31.1.2.5 Meas: W and PC Proficiency level: B
8.1.3.3.3 Given a P-22, applicable TO, tools, and test equipment, as a team member isolate malfunctions in the electrical system with no more than two instructor assists. STS: 31.2.2.5 Meas: PC Proficiency level: b
8.1.3.3.4 Given a P-22, applicable TO, tools, and test equipment, as a team member repair malfunctions in the electrical system with no more than two instructor assists. STS: 31.4.2.5 Meas: PC Proficiency level: 2b
8.1.3.3.5 Identify basic facts pertaining to fundamentals of the P-22 fire truck air system with at least seventy percent accuracy. STS: 31.1.2.4 Meas: W and PC Proficiency level: B
8.1.3.3.6 Given a P-22, applicable TO, tools, and test equipment, as a team member isolate malfunctions in the air system with no more than two instructor assists. STS: 31.2.2.4, 31.4.2.4 Meas: PC Proficiency level: b
8.1.3.3.7 Given a P-22, applicable TO, tools, and test equipment, as a team member repair malfunctions in the air system with no more than two instructor assists. STS: 31.4.2.4 Meas: PC Proficiency level: 2b
8.1.3.3.3.8 Identify basic facts pertaining to fundamentals of the P-22 fire truck steering and suspension systems with at least seventy percent accuracy. STS: 31.1.2.6 Meas: W and PC Proficiency level: B

8.1.3.4 **Block IV A/S32P-22 Fire Truck, O/I Maintenance**
8.1.3.4.1 Identify principles pertaining to fundamentals of the dispensing system with at least seventy percent accuracy. STS: 31.1.2.1 Meas: W and PC Proficiency level: B
8.1.3.4.2 Given a P-22, TO, tools, and test equipment, as a team member isolate malfunctions in the dispensing system with no more than two instructor assists. STS: 31.2.2.1 Meas: PC Proficiency level: 2b
8.1.3.4.3 Given a P-22, TO, tools, and test equipment, as a team member adjust dispensing system components with no more than two instructor assists. STS: 31.5.2.1 Meas: PC Proficiency level: 2b

8.1.3.4.4 Given a P-22, applicable TO, tools, and test equipment, as a team member repair malfunctions in the P-22 dispensing system with no more than two instructor assists. STS: 31.4.2.1 Meas: PC Proficiency level: 2b
8.1.3.4.5 Given a P-22, applicable TO, tools, and test equipment, as a team member isolate malfunctions in the deck control system with no more than two instructor assists. STS: 31.2.2.6 Meas: PC Proficiency level: b
8.1.3.4.6 Given a P-22, applicable TO, tools, and test equipment, as a team member adjust the mechanical linkage of the deck control system with no more than two instructor assists. STS: 31.5.2.6 Meas: PC Proficiency level: 2b
8.1.3.4.7 Identify principles pertaining to fundamentals of the A/S32P-22 fire truck winterization system with at least seventy percent accuracy. STS: 31.1.2.2 Meas: W and PC Proficiency level: B

Block V A/S32P-19 Fire Truck, O/I Maintenance
8.1.3.5.1 Identify principles pertaining to fundamentals of the chassis electrical system with at least seventy percent accuracy. STS: 31.1.1.5 Meas: W and PC Proficiency level: B
8.1.3.5.2 Given a P-19, applicable TO, tools, and test equipment, as a team member isolate malfunction(s) in the chassis electrical system with no more than two instructor assists. STS: 31.2.1.5 Meas: PC Proficiency level: 2b
8.1.3.5.3 Identify basic facts pertaining to fundamentals of the power divider with at least seventy percent accuracy. STS: 31.1.1.6 Meas: W and PC Proficiency level: B
8.1.3.5.4 Given a P-19, applicable TO, tools, and test equipment, as a team member isolate malfunctions in the mechanical system with no more than two instructor assists. STS: 31.2.1.6 Meas: PC Proficiency level: 2b
8.1.3.5.5 Given a P-19, applicable TO, tools, and test equipment, as a team member adjust the mechanical system components with no more than two instructor assists. STS: 31.5.1.6 Meas: PC Proficiency level: 2b
8.1.3.5.6 Identify basic facts pertaining to fundamentals of the drivetrain with at least seventy percent accuracy. STS: 31.1.1.6 Meas: W and PC Proficiency level: B
8.1.3.5.7 Given a P-19, applicable TO, tools, and test equipment, as a team member isolate malfunction(s) in the drivetrain mechanical system with no more than two instructor assists STS: 31.2.1.6 Meas: PC Proficiency level: 2b
8.1.3.5.8 Given a P-19, applicable TO, tools, and test equipment, as a team member repair mechanical system components with no more than two instructor assists. STS: 31.4.1.6 Meas: PC Proficiency level: 2b
8.1.3.5.9 Identify basic facts pertaining to fundamentals of the steering system with at least seventy percent accuracy. STS: 31.1.1.6 Meas: W and PC Proficiency level: B
8.1.3.5.10 Given a P-19, applicable TO, tools, and test equipment, as a team member isolate malfunction(s) in the steering mechanical system with no more than two instructor assists. STS: 31.2.1.6 Meas: PC Proficiency level: 2b
8.1.3.5.11 Given a P-19, applicable TO, tools, and test equipment, as a team member adjust the mechanical system components with no more than two instructor assists. STS: 31.5.1.6 Meas: PC Proficiency level: 2b

8.1.3.6 **Block VI A/S32P-19 Fire Truck, O/I Maintenance**
8.1.3.6.1 Identify principles pertaining to fundamentals of the dispensing system with at least a seventy percent accuracy. STS: 31.1.1.1 Meas: W and PC Proficiency level: B
8.1.3.6.2 Given a P-19, applicable TO, tools, and test equipment, as a team member isolate malfunction(s) in the dispensing system with no more than two instructor assists. STS: 31.2.1.1, 31.5.1.4 Meas: PC Proficiency level: 2b
8.1.3.6.3 Given a P-19, applicable TO, tools, and test equipment, as a team member adjust dispensing system components with no more than two instructor assists. STS: 31.5.1.1 Meas: PC Proficiency level: 2b
8.1.3.6.4 Identify principles pertaining to fundamentals of the winterization system with at least seventy percent accuracy. STS: 31.1.1.2 Meas: W and PC Proficiency level: B
8.1.3.6.5 Given a P-19, applicable TO, tools, and test equipment, as a team member isolate malfunction (s) in the winterization system with no more than two instructor assists. STS: 31.2.1.2 Meas: PC Proficiency level: 2b
8.1.3.6.6 Given a P-19, applicable TO, tools, and test equipment, as a team member repair winterization system components with no more than two instructor assists. STS: 31.4.1.2 Meas: PC Proficiency level: 2b
8.1.3.6.7 Given a P-19, applicable TO, tools, and test equipment, as a team member adjust the winterization system components with no more than two instructor assists. STS: 31.5.1.2 Meas: PC Proficiency level: 2b
8.1.3.6.8 Identify principles pertaining to fundamentals of the auxiliary charging system with at least eighty percent accuracy. STS: 31.1.1.2 Meas: W and PC Proficiency level: B
8.1.3.6.9 Given a P-19, applicable TO, tools, and test equipment, as a team member isolate malfunction (s) in the auxiliary charging system with no more than two instructor assists. STS: 31.2.1.2 Meas: PC Proficiency level: 2b

8.1.4. **Title: Special Vehicle Maintenance Apprentice, Refueling Vehicles**
Note: This course is taught by the Air Force at Port Hueneme CA, and is the 3-level AFSC Awarding course for

AFSC 2T3X2B.

8.1.4.1. **Block I, Operational Maintenance Procedures**
8.1.4.1.1. Complete Initial Federal Hazard Communication Training Program (FHCTP) workbook. STS: 3.3 MEAS: W Proficiency level: A
8.1.4.1.2. Without reference complete statements relating to facts about Air Force Manuals and Technical Orders with at least seventy percent accuracy. STS: 5.1 MEAS: W and PC Proficiency Level: A
8.1.4.1.3. Given an Aeroquip air dryer, applicable TO, and tools, as a team member repair air dryer with no more than two instructor assists. STS: 32.5.4 Meas: PC Proficiency level: 2b
8.1.4.1.4. Given a Carter nozzle, applicable TO, and tools, as a team member repair nozzle with no more than three instructor assists. STS: 32.5.1 Meas: PC Proficiency level: 2b
8.1.4.1.5. Given a Vitaulic coupling, applicable TO, and tools, as a team member, repair a dispensing system component with no more than two instructor assists. STS: 32.5.1 Meas: PC Proficiency level: 2b
8.1.4.1.6. Given a forklift, applicable TO, tools, and test equipment, as team member repair the electrical system with no more than two instructor assists. STS: 33.3.1.1 MEAS: PC Proficiency Level: 2b
8.1.4.1.7. Given a forklift, applicable TO, tools, and test equipment, as team member isolate malfunctions in the hydraulic system with no more than two instructor assists. STS: 33.2.1.2 MEAS: PC Proficiency Level: 2b
8.1.4.1.8. Identify principles relating to fundamentals of the R-11 refueler dispensing system with at least seventy percent accuracy. STS: 32.2.1 Meas: W and PC Proficiency level: B
8.1.4.1.9. Given a Oshkosh R-11 refueler, applicable TO, as a team member practice refueling specialized safety by operating refueler in the dispensing mode with no more than two instructor assists. STS: 32.1 Meas: PC Proficiency level: 2b
8.1.4.1.10. Given a Hydrostatic hose tester, hose, applicable TO, tools, and test equipment, as a team member perform hydrostatic hose test with no more than two instructor assist. STS: 32.8 Meas: PC Proficiency level: 2b
8.1.4.1.11. Given a Oshkosh R-11, master meter, applicable TO, tools, and test equipment, as a team member calibrate meter with no more than three instructor assists. STS: 32.7 Meas: PC Proficiency level: 2b

8.1.4.2. **Block II, R-11 Oshkosh Refueler O/I Maintenance**
8.1.4.2.1. Identify principles relating to fundamentals of the R-11 Oshkosh refueler PTO throttle interlock electrical system with at least seventy percent accuracy. STS: 32.2.5 Meas: W and PC Proficiency level: B
8.1.4.2.2. Given a Oshkosh R-11 refueler, applicable TO, tools, and test equipment, as a team member isolate malfunction(s) in the PTO throttle interlock electrical system with no more than three instructor assists. STS: 32.3.5 Meas: PC Proficiency level: 2b
8.1.4.2.3. Given a Oshkosh R-11 refueler applicable TO, tools, and test equipment, as a team member isolate malfunction(s) in the hose reel system with no more than three instructor assists. STS: 32.3.1 Meas: PC Proficiency level: 2b
8.1.4.2.4. Given a Oshkosh R-11 refueler, applicable TO, tools, and test equipment, as a team member isolate malfunction(s) in the bottom loading system with no more than three instructor assists. STS: 32.3.1 Meas: PC Proficiency level: 2b
8.1.4.2.5. Given a Oshkosh R-11 refueler, applicable TO, tools, and test equipment, as a team member adjust air system components with no more than three instructor assists. STS: 32.6.4 Meas: PC Proficiency level: 2b
8.1.4.2.6. Given a Oshkosh R-11 refueler, applicable TO, tools, and test equipment, as a team member isolate malfunction(s) in the bypass system with no more than three instructor assists. STS: 32.3.1 Meas: PC Proficiency level: 2b
8.1.4.2.7. Given a Oshkosh R-11 refueler, applicable TO, tools, and test equipment, as a team member isolate malfunction(s) in the mainline system with no more than three instructor assists. STS: 32.3.1 Meas: PC Proficiency level: 2b
8.1.4.2.8. Given a Oshkosh R-11, applicable TO, tools, and test equipment, as a team member isolate malfunction(s) in the defuel system with no more than three instructor assists. STS: 32.3.1 Meas: PC Proficiency level: 2b

8.1.4.3. **Block III, R-11 Kovatch Refueler O/I Maintenance**
8.1.4.3.1. Identify principles relating to fundamentals of the R-11 Kovatch winterization system with at least seventy percent accuracy. STS: 32.2.2 Meas: W and PC Proficiency level: B
8.1.4.3.2. Identify principles relating to fundamentals of the PTO throttle interlock air system with at least seventy percent accuracy. STS: 32.2.4 Meas: W and PC Proficiency Level: B

8.1.4.3.3. Given a Kovatch R-11 refueler, applicable TO, tools, and test equipment, as a team member isolate malfunction(s) in the PTO throttle interlock air system with no more than three instructor assists. STS: 32.3.4, 32.5.4 Meas: PC Proficiency Level: 2b
8.1.4.3.4. Identify principles relating to fundamentals of the hose reel mechanical system with at least eighty percent accuracy. STS: 32.2.6 Meas: W and PC Proficiency level: B
8.1.4.3.5. Given a Kovatch R-11 refueler, applicable TO, tools, and test equipment, as a team member isolate malfunction(s) in the hose reel mechanical system with no more than three instructor assists. STS: 32.3.6 Meas: PC Proficiency level: 2b
8.1.4.3.6. Identify principles relating to fundamentals of the bottom loading system with at least seventy percent accuracy. STS: 32.2.1 Meas: W and PC Proficiency level: B
8.1.4.3.7. Given a Kovatch R-11 refueler, applicable TO, tools, and test equipment, as a team member isolate malfunction(s) in the bottom loading system with no more than three instructor assists. STS: 32.3.1 Meas: PC Proficiency level: 2b
8.1.4.3.8. Given a Kovatch R-11 refueler applicable TO, tools, and test equipment, as a team member isolate malfunction(s) in the bypass system with no more than three instructor assists. STS: 32.3.1 Meas: PC Proficiency level: 2b
8.1.4.3.9. Given a Kovatch R-11 refueler applicable TO, tools, and test equipment, as a team member adjust/repair bypass system regulator with no more than three instructor assists. STS: 32.6.1, 32.5.1 Meas: PC Proficiency level: 2b
8.1.4.3.10. Given a Kovatch R-11 refueler, applicable TO, tools, and test equipment, as a team member isolate malfunction(s) in the mainline system with no more than three instructor assists. STS: 32.3.1 Meas: PC Proficiency level: 2b
8.1.4.3.11. Identify principles relating to fundamentals of the defuel system with at least seventy percent accuracy. STS: 32.2.1 Meas: W and PC Proficiency level: B
8.1.4.3.12. Given a Kovatch R-11 refueler, applicable TO, tools, and test equipment, as a team member isolate malfunction(s) in the defuel system with no more than three instructor assists. STS: 32.3.1 Meas: PC Proficiency level: 2b

8.1.5. **Title: Special Vehicle Maintenance Apprentice, Material Handling and Equipment**
Note: This course is taught by the Air Force at Port Hueneme CA, and is the 3-level AFSC Awarding course for AFSC 2T3X2C.
8.1.5.1. **Block I, Haz-Comm, Tech orders and Forklifts**
8.1.5.1.1.Complete Initial Federal Hazard Communication Training Program (FHCTP) workbook. STS: 3.3 MEAS: W Proficiency Level: A
8.1.5.1.2. Without reference complete statements relating to facts about Air Force Manuals and Technical Orders with at least seventy percent accuracy. STS: 5.1 MEAS: W and PC Proficiency Level: A
8.1.5.1.3. Given maintenance T.O. and a list of maintenance tasks locate and record information for each task with no more than three errors. STS: 5.2.1 MEAS: PC Proficiency Level: 2b
8.1.5.1.4. Identify principles pertaining to fundamentals of a forklift with at least seventy percent accuracy. STS: 33.1.1 MEAS: W and PC Proficiency Level: B
8.1.5.1.5. Given a forklift, applicable TO, tools, and test equipment, as team member isolate malfunctions in the electrical system with no more than two instructor assists. STS: 33.2.1.1 MEAS: PC Proficiency Level: 2b
8.1.5.1.6. Given a forklift, applicable TO, tools, and test equipment, as team member repair the electrical system with no more than two instructor assists. STS: 33.3.1.1 MEAS: PC Proficiency Level: 2b
8.1.5.1.7. Given a forklift, applicable TO, tools, and test equipment, as team member isolate malfunctions in the hydraulic system with no more than two instructor assists. STS: 33.2.1.2 MEAS: PC Proficiency Level: 2b
8.1.5.1.8. Given a forklift, applicable TO, tools, and test equipment, as team member adjust the hydraulic system with no more than two instructor assists. STS: 33.4.1.1 MEAS: PC Proficiency Level: 2b
8.1.5.1.9. Given a forklift, applicable TO, tools, and test equipment, as team member isolate malfunctions in the mechanical system with no more than two instructor assists. STS: 33.2.1.4 MEAS: PC Proficiency Level: 2b
8.1.5.1.10. Given a forklift, applicable TO, tools, and test equipment, as team member adjust the mechanical system with no more than two instructor assists. STS: 33.4.1.2 MEAS: PC Proficiency Level: 2b

8.1.5.2. **Block II, Operation and Maintenance of SWM 25K Cargo Loader**
8.1.5.2.1. Identify principles pertaining to fundamentals of SWM 25K cargo loader with at least seventy percent accuracy. STS: 33.1.2 MEAS: W and PC Proficiency Level: B

8.1.5.2.2. Using SWM 25K cargo loader schematics identify components with at least seventy percent accuracy. STS: 33.1.2 MEAS: W and PC Proficiency Level: B
8.1.5.2.3. Given a SWM 25K cargo loader, applicable TO, tools, and test equipment, as a team member isolate malfunctions in the electrical system with no more than three instructor assists. STS: 33.2.2.1 MEAS: PC Proficiency Level: 2b
8.1.5.2.4. Given a SWM 25K cargo loader, applicable TO, tools, and test equipment, as a team member isolate malfunctions in the hydraulic system with no more than three instructor assists. STS: 33.2.2.2 MEAS: PC Proficiency Level: 2b
8.1.5.2.5. Given a SWM 25K cargo loader, applicable TO, tools, and test equipment, as a team member isolate malfunctions in the cargo loader's air/pneumatic system with no more than two instructor assists. STS: 33.2.2.3 MEAS: PC Proficiency Level: 2b
8.1.5.2.6. Given a SWM 25K cargo loader, applicable TO, and tools, as a team member repair malfunctions in the electrical system with no more than three instructor assists. STS: 33.3.2.1 MEAS: PC Proficiency Level: 2b
8.1.5.2.7. Given a SWM 25K cargo loader, applicable TO, and tools, as a team member repair malfunctions in the hydraulic system with no more than three instructor assists. STS: 33.3.2.2 MEAS: PC Proficiency Level: 2b
8.1.5.2.8. Given a SWM 25K cargo loader, applicable TO, and tools, as a team member repair malfunctions in the air/pneumatic system with no more than three instructor assists. STS: 33.3.2.3 MEAS: PC Proficiency Level: 2b

8.1.5.3. **Block III, Operation and Maintenance of 60K Cargo Loader**
8.1.5.3.1. Identify principles pertaining to fundamentals of 60K cargo loader with at least seventy percent accuracy. STS: 33.1.3.2. MEAS: W and PC Proficiency Level: B
8.1.5.3.2. Using 60K cargo loader schematics identify components with at least seventy percent accuracy. STS*:* 33.1.3 MEAS: W and PC Proficiency Level: B
8.1.5.3.3. Given a 60K cargo loader, applicable TO, and tools, as a team member isolate malfunctions in the air/pneumatic system with no more than three instructor assist STS: 33.2.3.3 MEAS: PC Proficiency Level: 2b
8.1.5.3.4. Given a 60K cargo loader, applicable TO, and tools, as a team member repair air/pneumatic system malfunctions with no more than three instructor assists. STS: 33.3.3.3 MEAS: PC Proficiency Level: 2b
8.1.5.3.5. Given a 60K cargo loader, applicable TO, tools, and test equipment, as a team member isolate electrical system malfunctions with no more than three instructor assist STS: 33.2.3.1 MEAS: PC Proficiency Level: 2b
8.1.5.3.6. Given a 60K cargo loader, applicable TO, and tools, as a team member repair electrical system malfunctions with no more than three instructor assist. STS: 33.3.3.1 MEAS: PC Proficiency Level: 2b
8.1.5.3.7. Given a 60K cargo loader, applicable TO, tools, and test equipment, as a team member isolate hydraulic system malfunctions with no more than three instructor assists. STS: 33.2.3.2 MEAS: PC Proficiency Level: 2b
8.1.5.3.8. Given a 60K cargo loader, applicable TO, and tools, as a team member repair hydraulic system malfunctions with no more than three instructor assist STS: 33.3.3.2 MEAS: PC Proficiency Level: 2b
8.1.5.3.9. Given a 60K cargo loader, applicable TO, and tools, as a team member adjust the steering system with no more than two instructor assists. STS: 33.4.3.1 MEAS PC Proficiency Level: 2b
8.1.5.3.10. Given a 60K cargo loader, applicable TO, tools, and test equipment, as a team member adjust the cargo loader's encoders with no more than two instructor assists. STS: 33.4.3.2 MEAS: PC Proficiency Level: 2b
8.1.5.3.11. Given a 60K cargo loader, applicable TO, tools, and test equipment, as a team member adjust the cargo loader's electrical system components with no more than two instructor assists. STS: 33.4.3.3 MEAS: PC Proficiency Level: 2b

8.1.5.4. **Block IV, Operation and Maintenance of Halvorsen 25K Cargo Loader**
8.1.5.4.1. Identify principles pertaining to fundamentals of Halvorsen 25K cargo loader with at least seventy percent accuracy. STS: 33.1.2 MEAS: W and PC Proficiency Level: B
8.1.5.4.2. Using Halvorsen 25K cargo loader schematics identify components with at least seventy percent accuracy. STS: 33.1.2 MEAS: W and PC Proficiency Level: B
8.1.5.4.3. Given a Halvorsen 25K cargo loader, applicable TO, tools, and test equipment, as a team member isolate malfunctions in the electrical system with no more than three instructor assists. STS: 33.2.2.1 MEAS: PC Proficiency Level: 2b
8.1.5.4.4. Given a Halvorsen 25K cargo loader, applicable TO, tools, and test equipment, as a team member isolate malfunctions in the hydraulic system with no more than three instructor assists. STS: 33.2.2.2 MEAS: PC Proficiency Level: 2b
8.1.5.4.5. Given a Halvorsen 25K cargo loader, applicable TO, and tools, as a team member repair malfunctions in the electrical system with no more than three instructor assists. STS: 33.3.2.1 MEAS: PC Proficiency Level: 2b

8.1.5.4.6. Given a Halvorsen 25K cargo loader, applicable TO, and tools, as a team member repair malfunctions in the hydraulic system with no more than three instructor assists. STS: 33.3.2.2 MEAS: PC Proficiency Level: 2b
8.1.5.4.7. Given a Halvorsen 25K cargo loader, applicable TO, tools, and test equipment, as a team member adjust cargo loader's electrical system components with no more than three instructor assists. STS: 33.4.2.1 MEAS: PC Proficiency Level: 2b

8.1.6 **Title: Vehicle Management and Analysis Apprentice**
Note: This course is taught by the Air Force at Port Hueneme CA, and is the 3-level AFSC Awarding course for AFSC 2T3X7.

8.1.6.1 **Block I**, **Vehicle Management Policies and Procedures**
8.1.6.1.1. Identify facts about specific Operation Security (OPSEC) vulnerabilities of AFSC 2T3X7 with at least seventy percent accuracy. STS: 2 Meas: PC/W Proficiency: A
8.1.6.1.2. Complete Initial Federal Hazard Communication Training Program (FHCTP) Workbook. STS: 3.4 Meas: W Proficiency: A
8.1.6.1.3. Identify principles pertaining to Transportation and Vehicle Maintenance structure with at least seventy percent accuracy. STS: 6.1 Meas: PC/W Proficiency: B
8.1.6.1.4. Identify principles pertaining to VMM/VMS responsibilities with at least seventy percent accuracy. STS: 6.2.1 Meas: PC/W Proficiency: B
8.1.6.1.5. Identify principles pertaining to Vehicle Management & Analysis responsibilities with at least seventy percent accuracy. STS: 6.2.2 Meas: PC/W Proficiency: B
8.1.6.1.6. Identify principles pertaining to REMS manager responsibilities with at least seventy percent accuracy. STS: 6.2.5 Meas: PC/W Proficiency: B
8.1.6.1.7. Identify principles pertaining to Materiel Control responsibilities with at least seventy percent accuracy. STS: 6.2.3 Meas: PC/W Proficiency: B
8.1.6.1.8. Identify principles pertaining to work center supervisor responsibilities with at least seventy percent accuracy. STS: 6.2.4 Meas: PC/W Proficiency: B
8.1.6.1.9. Identify principles pertaining to the VCO/VCNCO program with at least seventy percent accuracy. STS: 6.3.15.1 Meas: PC/W Proficiency: B
8.1.6.1.10Identify principles pertaining to vehicle/part warranty with at least seventy percent accuracy. STS: 6.3.5 Meas: PC/W Proficiency: B
8.1.6.1.11 Identify principles pertaining to deficiency reports with at least seventy percent accuracy. STS: 6.3.8 Meas: PC/W Proficiency: B
8.1.6.1.12 Identify principles pertaining to TCTOs/service bulletins/manufacturer's recalls with at least seventy percent accuracy. STS: 6.3.4.2 Meas: PC/W Proficiency: B
8.1.6.1.13 Identify principles pertaining to replacement codes with at least seventy percent accuracy. STS: 6.3.7 Meas: PC/W Proficiency: B
8.1.6.1.14 Identify principles pertaining to limited technical inspection (LTI) with at least seventy percent accuracy. STS: 6.3.6 Meas: PC/W Proficiency: B
8.1.6.1.15 Determine steps to monitor cannibalization procedures with at least seventy percent accuracy. STS: 6.3.9 Meas: PC/W Proficiency: b
8.1.6.1.16 Identify facts pertaining to the fleet service card with at least seventy percent accuracy. STS: 6.3.16.2 Meas: PC/W Proficiency: B
8.1.6.1.17. Identify principles pertaining to delayed maintenance/parts with at least seventy percent accuracy. STS: 6.3.3.1 Meas: PC/W Proficiency: B
8.1.6.1.18 Identify principles pertaining to VDP with at least seventy percent accuracy. STS: 6.3.3.2 Meas: PC/W Proficiency: B
8.1.6.1.19. Using applicable publications and OLVIMS management products, interpret delayed maintenance reports with no more than three technical errors and one instructor assist. STS: 10.1.2 Meas: PC Proficiency: 2b
8.1.6.1.20. Determine steps to reconcile delayed maintenance files with at least seventy percent accuracy. STS: 6.3.3.3 Meas: PC/W Proficiency: b
8.1.6.1.21. Identify principles pertaining to scheduled/special/concurrent inspections with at least seventy percent accuracy. STS: 6.3.4.1 Meas: PC/W Proficiency: B
8.1.6.1.22 Identify principles pertaining to the mileage estimator with at least seventy percent accuracy. STS: 6.3.4.5 Meas: PC/W Proficiency: B

8.1.6.1.23. Using applicable publications and OLVIMS management products, interpret the scheduled maintenance report with no more than two technical errors and one instructor assist.
STS: 10.1.3 Meas: PC Proficiency: 2b
8.1.6.1.24. Determine steps involved in developing a long range scheduled maintenance plan with at least seventy percent accuracy. STS: 6.3.4.4 Meas: PC/W Proficiency: a

8.1.6.2. **Block II, Data Processing and Collection**
8.1.6.2.1. With the use of a computer, use the computer operating system with no more than three technical errors and three instructor assists. STS: 4.2 MEAS: PC Proficiency: 2b
8.1.6.2.2. Using applicable publications and OLVIMS, initiate new site/new month/daily parameters with no more than four technical errors and one instructor assist. STS: 9.3.1 Meas: PC Proficiency: 2b
8.1.6.2.3 Using applicable publications and OLVIMS, initiate end of day/month parameters with no more than two technical errors and one instructor assist. STS: 9.3.2 Meas: PC Proficiency: 2b
8.1.6.2.4. Using applicable publications and OLVIMS, backup/restore data with no technical errors and one instructor assist. STS: 9.7 Meas: PC Proficiency: 2b
8.1.6.2.5. Using applicable publications and OLVIMS, assign system codes with no more than five technical errors and two instructor assists. STS: 9.2 Meas: PC Proficiency: 1a
8.1.6.2.6. Using applicable publications and OLVIMS, load/update organization code table with no more than two technical errors and one instructor assist. STS: 9.4.4 Meas: PC Proficiency: 2b
8.1.6.2.7. Using applicable publications and OLVIMS, load/update work center table with no more than two technical errors and one instructor assist. STS: 9.4.5 Meas: PC Proficiency: 2b
8.1.6.2.8. Using applicable publications and OLVIMS, establish/update vehicle/equipment master records with no more than ten technical errors and two instructor assists. STS: 9.4.1 Meas: PC Proficiency: 2b
8.1.6.2.9. Using applicable publications and OLVIMS, establish/update employee master records with no more than three technical errors and one instructor assist. STS: 9.4.2 Meas: PC Proficiency: 2b
8.1.6.2.10. Using applicable publications and OLVIMS, establish/update high cost bench stock master records with no more than two technical errors and one instructor assist. STS: 9.4.3 Meas: PC Proficiency: 2b
8.1.6.2.11. Using applicable publications and OLVIMS, generate OLVIMS output products with no more than one technical error and one instructor assist. STS: 9.11 Meas: PC Proficiency: 2b
8.1.6.2.12. Using applicable publications and OLVIMS, validate/edit (OLVIMS) input/output with no more than two technical errors and one instructor assist. STS: 9.6 Meas: PC Proficiency: 2b
8.1.6.2.13. Using applicable publications, annotate operator inspection guide with no more than three technical errors and one instructor assist. STS: 9.1.2 Meas: PC Proficiency: 2b
8.1.6.2.14. Using applicable publications, annotate vehicle/equipment work orders with no more than five technical errors and two instructor assists. STS: 9.1.1 Meas: PC Proficiency: 2b
8.1.6.2.15. Using applicable publications, annotate delayed maintenance/VDP documents with no more than five technical errors and two instructor assists. STS: 9.1.3 Meas: PC Proficiency: 2b
8.1.6.2.16. Using applicable publications, annotate labor accounting documents with no more than two technical errors and one instructor assist. STS: 9.1.4 Meas: PC Proficiency: 2b
8.1.6.2.17. Using applicable publications and OLVIMS management products, interpret the work order master list with no more than two technical errors and one instructor assist. STS: 10.1.5 Meas: PC Proficiency: 2b
8.1.6.2.18. Using applicable publications and OLVIMS, process work orders with no more than five technical errors and one instructor assist. STS: 9.5.1 Meas: PC Proficiency: 2b
8.1.6.2.19. Using applicable publications and OLVIMS, process commercial parts issues with no more than three technical errors and one instructor assist. STS: 9.5.2 Meas: PC Proficiency: 2b
8.1.6.2.20. Using applicable publications and OLVIMS, process delayed maintenance/VDP documents with no more than four technical errors and one instructor assist. STS: 9.5.3 Meas: PC Proficiency: 2b
8.1.6.2.21. Using applicable publications and OLVIMS, process labor hour accounting documents with no more than two technical errors and one instructor assist. STS: 9.5.4 Meas: PC Proficiency: 2b
8.1.6.2.22. Using applicable publications and OLVIMS, process parts/fuel transactions with no more than three technical errors and one instructor assist. STS: 9.5.5 Meas: PC Proficiency: 2b
8.1.6.2.23. Using applicable publications and OLVIMS, process errors/rejects with no more than two technical errors and one instructor assist. STS: 9.5.6 Meas: PC Proficiency: 2b
8.1.6.2.24. Using applicable publications, OLVIMS, and REMS, process OLVIMS/REMS (M06) data system reconciliation with no more than three technical errors and two instructor assists. STS: 9.15.1 Meas: PC Proficiency: 2b

8.1.6.2.25. Identify principles pertaining to the mission essential level with at least seventy percent accuracy. STS: 6.4.1 Meas: PC/W Proficiency: B
8.1.6.2.26. Identify principles pertaining to the vehicle priority recall with at least seventy percent accuracy. STS: 6.4.2 Meas: PC/W Proficiency: B
8.1.6.2.27. Determine steps to control the work flow with at least seventy percent accuracy. STS: 8.1 Meas: PC/W Proficiency: b
8.1.6.2.28. Using applicable publications and OLVIMS, update vehicle/equipment status with no more than three technical errors and one instructor assist. STS: 8.2.2 Meas: PC Proficiency: 2b
8.1.6.2.29. Using applicable publications and OLVIMS, prepare/print control board vehicle status reports with no more than two technical errors and one instructor assist. STS: 8.2.4 Meas: PC Proficiency: 2b
8.1.6.2.30. Using applicable publications and OLVIMS (AFIS), process vehicle receipt actions with no more than three technical errors and one instructor assist. STS: 9.14.2 MEAS: PC Proficiency: 2b
8.1.6.2.31. Using applicable publications and OLVIMS (AFIS), process DRMO actions with no more than three technical errors and one instructor assist. STS: 9.14.1 MEAS: PC Proficiency: 2b
8.1.6.2.32. Using applicable publications and OLVIMS (AFIS), process vehicle shipment actions with no more than three technical errors and one instructor assist. STS: 9.14.3 MEAS: PC Proficiency: 2b
8.1.6.2.33. Using applicable publications and OLVIMS (AFIS), process vehicle rotation actions with no more than three technical errors and one instructor assist. STS: 9.14.4 MEAS: PC Proficiency: 2b
8.1.6.2.34. Using applicable publications, OLVIMS, and OLVIMS (AFIS), process OLVIMS/AFIS data system reconciliation with no more than three technical errors and one instructor assist. STS: 9.15.4 MEAS: PC Proficiency: 2b
8.1.6.2.35. Determine procedures for processing vehicle receipts with at least seventy percent accuracy. STS: 11.3.2 MEAS: PC/W Proficiency: b
8.1.6.2.36. Determine procedures for processing vehicle repair authority and disposition actions with at least seventy percent accuracy. STS: 11.3.6 MEAS: PC/W Proficiency: b
8.1.6.2.37. Determine procedures for processing DRMO vehicle actions with at least seventy percent accuracy. STS: 11.3.1 MEAS: PC/W Proficiency: b
8.1.6.2.38. Determine procedures for processing funds and equipment transfers (FET) with at least seventy percent accuracy. STS: 11.3.3 MEAS: PC/W Proficiency: b
8.1.6.2.39. Determine procedures for processing vehicle shipments with at least seventy percent accuracy. STS: 11.3.4 MEAS: PC/W Proficiency: b
8.1.6.2.40. Determine procedures for processing unreported assets with at least seventy percent accuracy. STS: 11.3.5 MEAS: PC/W Proficiency: b
8.1.6.2.41. Identify facts pertaining to the Air Force Equipment Management System (AFEMS) with at least seventy percent accuracy. STS: 11.4 MEAS: PC/W Proficiency: A
8.1.6.2.42. Determine procedures for processing AFEMS rejects with at least seventy percent accuracy. STS: 11.3.7 MEAS: PC/W Proficiency: b

8.1.6.3. **Block III, Data Interpretation**
8.1.6.3.1. Using applicable publications and OLVIMS management products, interpret the VIC report with no more than three technical errors and one instructor assist. STS: 10.1.1 Meas: PC Proficiency: 2b
8.1.6.3.2. Using applicable publications and OLVIMS management products, interpret master lists with no more than three technical errors and one instructor assist. STS: 10.1.4 Meas: PC Proficiency: 2b
8.1.6.3.3. Using applicable publications and OLVIMS management products, interpret monthly listings with no more than five technical errors and one instructor assist. STS: 10.1.7 Meas: PC Proficiency: 2b
8.1.6.3.4. Using applicable publications and OLVIMS management products, interpret inquiries with no more than three technical errors and one instructor assist. STS: 10.1.9 Meas: PC Proficiency: 2b
8.1.6.3.5. Using applicable publications and OLVIMS management products, interpret the vehicle authorization listing (VAL) with no more than three technical errors and one instructor assist. STS: 10.1.12 Meas: PC Proficiency: 2b
8.1.6.3.6. Using applicable publications and OLVIMS management products, interpret the custodian authorization/custody receipt listing (CA/CRL) with no more than three technical errors and one instructor assist. STS: 10.1.13 Meas: PC Proficiency: 2b
8.1.6.3.7. Using applicable publications and OLVIMS management products, maintain the vehicle allocations/due in listing with no more than three technical errors and one instructor assist.
STS: 11.1 Meas: PC Proficiency: 2b

8.1.6.3.8. Using applicable publications and computer program, prepare/update deficiency reports with no more than three technical errors and one instructor assist. STS: 9.12 Meas: PC Proficiency: 2b
8.1.6.3.9. Using applicable publications and OLVIMS, prepare/update limited technical inspections (LTI) with no more than three technical errors and one instructor assist. STS: 9.13 Meas: PC Proficiency: 2b

8.1.7 **Title: Vehicle Body Mechanic Course**
Note: This course is an Army course taught by Air Force and Army instructors at Aberdeen Proving Ground MD. This course awards the 3-skill level for AFSC 2T3X5.
8.1.7.1. Discussion of departmental operating objectives, shop, fire, and safety practices; introduction to job related field manuals, technical manuals, soldier's manuals, and skill development tests as they apply to the autobody repairman; information concerning OSHA, SFDLR, and OPSEC, to include various aspects of intelligence; and Student Honor Code, IAW applicable references. STS: 3.1 (Interspersed throughout) Meas: P/W
8.1.7.2. Describe the goals and the chain of command responsibilities of the OSHA Hazardous Communication Standard. Identify physical and health hazards. Identify the use of preventative measures and personal protective equipment. STS: 3.4 Meas: W
8.1.7.3. Given instruction on environmental compliance, the student will demonstrate knowledge of hazardous waste management, pollution prevention, waste minimization, and hazardous material management.
STS: 3.5.1, 33.5.2, 3.5.3 and 3.5.4 Meas: W
8.1.7.4. Given applicable references and supplements, the students will be issued and will inventory a welder's tool box, and identify tools and necessary maintenance of tools. In addition, the students will receive training on how to use measuring tools to measure diameters, lengths, and widths of stock samples. Measurements will be within 1/16 inch of actual dimensions, per applicable references. STS: 10.4 Meas: P/W
8.1.7.5. Given a vehicle body and cab, tools, equipment, and technical data, the student will remove and replace panels per technical data, while observing all safety precautions. STS: 11.1, 11.2.1 and 11.3.1 Meas: P/W
8.1.7.6. Given a vehicle body and cab, tools, equipment, and technical data, the student will remove and replace doors per technical data, while observing all safety precautions. STS: 11.2.2 and 11.3.2 Meas: P/W
8.1.7.7. Given a vehicle body and cab, tools, equipment, and technical data, the student will remove and replace fenders per technical data, while observing all safety precautions. STS: 11.2.3 and 11.3.3 Meas: P/W
8.1.7.8. Given a vehicle body and cab, tools, equipment, and technical data, the student will remove and replace hood per technical data, while observing all safety precautions. STS: 11.2.7 and 11.3.7 Meas: P/W
8.1.7.9. Given metal vehicle body tools, vehicle, equipment, references, and supplemental training materials, the student will perform metal body repair operations such as roughing, aligning, hammer finishing, metal shrinking, body filing, apply body fillers and plastics, and sanding operations, per applicable references.
STS: 11.4.1, 11.4.2, 11.4.3. and 11.4.4.2 Meas: P/W
8.1.7.10. Given a hydraulic body jack, necessary tools, equipment, references, and supplemental training materials, the student will perform body jack operations, per applicable references. STS: 11.4.1 Meas: P/W
8.1.7.11. Given vehicle or component, necessary tools and equipment, references, supplemental training materials, and fiberglass repair kit, the student will prepare, apply, and finish a fiberglass repair on a damaged area, per applicable references. STS: 11.4.4, and 11.4.4.1 Meas: P/W
8.1.7.12. Given a vehicle frame, necessary tools, equipment, references, and supplemental training materials, fabricate body panels, IAW applicable references. STS: 11.4.5 Meas: P/W
8.1.7.13. In a classroom, given proper references, the student will be introduced to the background and purpose of the battle damage assessment repair BDAR program, operation and limitation concepts and content of BDA technical manuals, IAW applicable references. STS: 11.4.6 Meas: P/W
Note: Performance interspersed throughout metal/body repair unit in the course
8.1.7.14. Given a vehicle, necessary tools, equipment , references, and supplemental training materials, the student will remove and replace vehicle hardware, per applicable references. STS: 13.1, 13.2.1, 13.2.3, 13.2.4, 13.2.5, 13.2.8 Meas: P/W
8.1.7.15. Given an upholstery sewing machine, tools, and technical data, the student will perform operator's maintenance on the sewing machine to include adjusting, cleaning, lubricating, and timing per technical data, while observing all safety precautions. STS: 13.4.1, 13.4.2, 13.4.3.1, 13.4.3.2, 13.4.3.3, 13.4.3.4 Meas: P/W
8.1.7.16. Given an upholstery sewing machine, tools, and course guidelines, the student will cut out and sew a pattern for a seat cover per course guidelines, while observing all safety precautions. STS: 13.5.1, 13.5.2
Meas: P/W
8.1.7.17. Given an upholstery sewing machine, tools, and course guidelines, the student will replace a seat cover per course guidelines. STS: 13.5.5 Meas: P/W

8.1.7.18. Given a vehicle, necessary tools, equipment, references, and supplemental training materials, the student will inspect and replace seat belts, per applicable references. STS: 13.6.1 and 13.6.3 Meas: P/W
8.1.7.19. Given glass cutting tools, equipment, other necessary tools, references, supplemental training materials, glass, and plexiglas, the student will cut and grind glass, per applicable references. STS: 14.1, 14.2.1, 14.2.2, and 14.3 Meas: P/W
8.1.7.20. Given glassworking tools, equipment, other necessary tools, references, supplemental training materials, and a vehicle, the student will remove and replace vehicle glass per applicable references. STS: 14.4, 14.4.1 and 14.4.2 Meas: P/W
8.1.7.21. Given a chipped/cracked windshield, repair kit, tools, and technical data, the student will repair the chip/crack so that it cannot be seen, per the technical data, while observing all safety precautions. TS: 14.5 Meas: P/W
8.1.7.22. Given tools, equipment, a vehicle, surface preparation materials, and technical data, the student will prepare the surface for painting, per technical data, while observing all safety precautions. STS: 15.1 and 15.2 Meas: P/W
8.1.7.23. Given spray paint equipment, enamel, sealers, technical data, and a vehicle, the student will spray enamel, per technical data, while observing all safety precautions. STS: 15.1, 15.3.2, 15.4.2 and 15.5.2 Meas: P/W
8.1.7.24. Given spray paint equipment, polyurethane, sealers, technical data, and a vehicle, the student will spray polyurethane, per technical data, while observing all safety precautions. STS: 15.1, 15.3.4 and 15.4.5 Meas: P/W
8.1.7.25. Given spray paint equipment, primer, sealers, technical data, and a vehicle, the student will spray primer, per technical data, while observing all safety precautions. STS: 15.1, 15.3.5 and 15.4.6 Meas: P/W
8.1.7.26. Given spray paint equipment, base/clear coat, sealers, technical data, and a vehicle, the student will spray base/clear coat, per technical data, while observing all safety precautions. STS: 15.1, and 15.4.7 Meas: P/W
8.1.7.27. Given all necessary tools, and equipment, references, and supplemental training materials, the student will use air and water to test a radiator for leaks, flow test the circulation of radiator coolant, and locate and mark all areas requiring repair, per applicable references. STS: 16.1, 16.4 and 16.5 Meas: P/W
8.1.7.28. Given a dirty or clogged radiator, necessary tools, and equipment, references and supplemental training materials, the student will clean a radiator by spraying and flushing, as prescribed in applicable references. STS: 16.1 Meas: P/W
8.1.7.29. Given instruction on fuel tanks, the student will demonstrate a knowledge of the composition of a fuel tank. STS: 17.1 Meas: W
8.1.7.30. Given reference document 9-237 and an assortment of electric arc welding electrodes, the student will identify strengths and use of electrodes, per applicable references. STS: 18.1.2 Meas: W
8.1.7.31. Given gas metal arc welding (GMAW) equipment, necessary tools, equipment, references, supplemental training materials, and aluminum plate, student will perform PMCS, practice setting up the gas metal arc welding (GMAW) equipment, and weld string and weave beads on aluminum in the flat position, as prescribed in applicable references. STS: 18.1.2, 18.2.2 Meas: P/W
8.1.7.32. Given oxyacetylene welding equipment, necessary tools, equipment, references, and supplemental training materials, the student will perform PMCS, setup oxyacetylene welding and cutting equipment and adjust the torch to the three basic flames, as prescribed in applicable references. STS: 18.1.3 Meas: P/W
8.1.7.33. Given an electric arc welding machine, welder's tool kit, grinding machine, and applicable references, the student will perform PMCS and set up the welding machine for arc welding low carbon steel. Correct set up will be displayed by adjusting correct polarity, current settings, and connecting ground clamp for a specific welding operation, along with preparing metal for welding, as prescribed in applicable references. STS: 18.1.1 Meas: P/W
8.1.7.34. Given electric arc welding equipment, necessary tools, equipment, references, supplemental training materials and metal coupons, the student will weld and weave beads on low carbon steel in the flat position, as prescribed in applicable references. STS: 18.1.1 Meas: P/W
8.1.7.35. Given an electric arc welding machine, necessary tools, equipment, references, supplemental training materials and low carbon steel coupons, the student will weld butt joints in flat position, as prescribed in applicable references. STS: 18.2.1 Meas: P/W
8.1.7.36. Given an electric arc welding machine, necessary tools, equipment, references, supplemental training materials and low carbon steel coupons, the student will weld tee joints in horizontal position, as prescribed in applicable references. STS: 18.2.1 Meas: P/W
8.1.7.37. Given an electric arc welding machine, necessary tools, equipment, references, supplemental training materials and low carbon steel coupons, the student will weld tee joints in vertical position, as prescribed in applicable references. STS: 18.2.1 Meas: P/W

8.1.7.38. Given gas metal arc welding (GMAW) equipment, necessary tools, equipment, references, supplemental training materials, and aluminum plate, student will perform PMCS, practice setting up the gas metal arc welding (GMAW) equipment, and weld string and weave beads on aluminum in the flat position, per applicable references. STS: 18.2.2 Meas: P/W
8.1.7.39. Given gas metal arc welding (GMAW) equipment, necessary tools, equipment, references, supplemental training materials, and aluminum plate, the student will weld tee joints in the horizontal position, as prescribed in applicable references. STS: 18.2.2 Meas: P/W
8.1.7.40. Given gas metal arc welding (GMAW) equipment, necessary tools, equipment, references, supplemental training materials, and aluminum plate, the student will weld tee joints in the vertical position, per applicable references. STS: 18.2.2 Meas: P/W
8.1.7.41. Given flux core welding equipment, necessary tools, equipment, references, supplemental training materials, and mild steel coupons, the student will weld fillet welds in the flat and horizontal position, as prescribed in applicable references. STS: 18.2.1 Meas: P/W
8.1.7.42. Given solid core welding equipment, necessary tools, equipment, references, supplemental training materials, and mild steel coupons, the student will weld fillet welds in the flat and horizontal position, per applicable references. STS: 18.2.1 Meas: P/W
8.1.7.43. Given oxyacetylene welding equipment, necessary tools, equipment, references, supplemental training materials, and metal coupons, the student will weld string beads in the flat position, as prescribed in applicable references. STS: 18.2.3 Meas: P/W
8.1.7.44. Given oxyacetylene welding equipment, necessary tools, equipment, references, supplemental training materials, and thin gage, low carbon steel metal coupons, the student will weld butt joints in the flat, horizontal, and vertical position, as prescribed in applicable references. STS: 18.2.3 Meas: P/W
8.1.7.45. Given oxyacetylene cutting equipment, necessary tools, equipment, references, supplemental training materials, and metal coupons, the student will cut low carbon steel in the flat position, as prescribed in applicable references. STS: 18.3 Meas: P/W
8.1.7. 46. Given oxyacetylene welding equipment, necessary tools, equipment, references, supplemental training materials, and metal coupons, the student will prepare and braze butt joints on low carbon steel in the flat position, as prescribed in applicable references. STS: 18.4 Meas: P/W
8.1.7.47. Given oxyacetylene welding equipment, necessary tools, equipment, references, supplemental training materials, galvanized copper, and mild steel coupons, the student will soft-solder galvanized and copper metal in the flat position. In addition, the student will silver solder low carbon steel in the flat position using oxyacetylene welding equipment, as prescribed in applicable references. STS: 18.5 Meas: P/W
8.1.7.48. Given references, necessary tools and equipment, the student will receive training on the procedures for collision damage assessment, and determine the damage and repair sequence, as prescribed in applicable references. STS: 19.1 Meas: W
8.1.7.49. Given training materials, necessary tools, references, and supplemental training materials, the student will inspect a towing attachment, as prescribed in applicable references. STS: 20.1 Meas: P/W
8.1.7.50. Given instruction on vehicle air bags, the student will demonstrate knowledge of the elements, proper operation, and safety precautions of automobile air bags systems. STS: 21 Meas: W

8.2. **Advanced Skills Courses:**

8.2.1. **Title: Vehicle Maintenance Craftsman Course 2T370**
Note: Course attendance is a mandatory requirement for the award of the 7-Skill level for the 2T370 Vehicle Maintenance Craftsman. This course is based on a Course Training Standard (CTS) that is in the behavioral statement format. Each of the objectives listed mirrors the behavior of the CTS behavioral statement it is referencing.
8.2.1.1 *Block I Vehicle Maintenance*
8.2.1.1.1 Using applicable publications and a scenario prepare, material deficiency reports with no more than three technical errors and one instructor assist. STS: 9.5 Meas: PC Proficiency Level: 2b
8.2.1.1.2 Using applicable publications and a scenario, monitor Time Compliance Technical Orders/Service Bulletins with no more than two technical errors and one instructor assist. STS: 9.7.2 Meas: PC Proficiency Level: 2b
8.2.1.1.3 Using applicable publications and data collection reports, interpret maintenance data collection reports with no more than three technical errors and two instructor assists. STS: 8.1 Meas: PC Proficiency Level: 2b

8.2.1.1.4 Using applicable publications prepare a depot maintenance plan with no more than three technical errors and two instructor assists. STS: 9.8 Meas: PC Proficiency Level: 2b
8.2.1.1.5 Using applicable publications and a scenario, develop budget inputs with justification with no more than five technical errors and three instructor assists. STS: 7.4 Meas: PC Proficiency Level: 2b
8.2.1.1.6 Using applicable publications and a scenario, evaluate personnel training needs with no more than two technical errors and one instructor assist. STS: 4.2.1 Meas: PC Proficiency Level: 2b
8.2.1.1.7 Using applicable publications and a scenario, determine contingency operations and wartime requirements with no more than two technical errors and one instructor assist. STS: 7.5 Meas: PC Proficiency Level: 2b

8.2.2. **Title: Vehicle Management and Analysis Craftsman Course**
Note: Course attendance is a mandatory requirement for the award of the 7-Skill level for the 2T377 Vehicle Maintenance Control and Analysis Craftsman
8.2.2.1 Identify principles pertaining to responsibilities of contingency operations with at least seventy percent accuracy. STS: 5.3.3 Meas: W and PC Proficiency: B
8.2.2.2 Identify principles pertaining to contingency organization with at least seventy percent accuracy. STS: 5.3.2 Meas: W and PC Proficiency: B
8.2.2.3. Identify principles pertaining to contingency policy with at least seventy percent accuracy. STS: 5.3.1 Meas: W and PC Proficiency: B
8.2.2.4. Determine steps to identify vehicle maintenance manning requirements with at least seventy percent accuracy. STS: 5.1 Meas: W and PC Proficiency: b
8.2.2.5. Determine steps to interpret the refundable/reimbursable list with at least seventy percent accuracy. STS: 10.1.14 Meas: W and PC Proficiency: b
8.2.2.6. Using applicable publications and a computer, develop a depot maintenance plan with no more than three technical errors and one instructor assist. STS: 6.3.10 Meas: PC Proficiency: 2b
8.2.2.7. Using applicable publications and a computer, prepare deficiency reports with no more than three technical errors and one instructor assist. STS: 9.12 Meas: PC Proficiency: 2b
8.2.2.8. Using applicable publications, manage TCTO's/service bulletins/manufacturer's recalls with no more than three technical errors and one instructor assist. STS: 6.3.4.3 Meas: PC Proficiency: 2b
8.2.2.9. Using applicable publications and OLVIMS listings, interpret monthly listings with no more than three technical errors and one instructor assist. STS: 10.1.7 Meas: PC Proficiency: 2b
8.2.2.10. Using applicable publications and OLVIMS, interpret the quarterly listing with no more than three technical errors and one instructor assist. STS: 10.1.8 Meas: PC Proficiency: 2b
8.2.2.11. Using applicable publications and OLVIMS, interpret inquiries with no more than three technical errors and one instructor assist. STS: 10.1.9 Meas: PC Proficiency: 2b
8.2.2.12. Using applicable publications and OLVIMS, interpret canned retrievals with no more than three technical errors and one instructor assist. STS: 10.1.10 Meas: PC Proficiency: 2b
8.2.2.13. Using applicable publications and a computer, use database management software with no more than three technical errors and one instructor assist. STS: 4.4.1 Meas: PC Proficiency: 2b
8.2.2.14. Using applicable publications and OLVIMS, develop "Ad Hoc" retrievals with no more than three technical errors and one instructor assist. STS: 10.1.11 Meas: PC Proficiency: 2b
8.2.2.15. Identify principles pertaining to the analysis process with at least seventy percent accuracy.
STS: 10.2.1 Meas: W and PC Proficiency: B
8.2.2.16. Identify principles pertaining to control charts with at least seventy percent accuracy.
STS: 10.2.2 Meas: W and PC Proficiency: B
8.2.2.17. Using applicable publications and OLVIMS, analyze OLVIMS repair management products with no more than three technical errors and one instructor assist. STS: 10.3.1 Meas: PC Proficiency: 2b
8.2.2.18. Using applicable publications and OLVIMS, analyze the OLVIMS utilization management products with no more than three technical errors and one instructor assist. STS: 10.3.2 Meas: PC Proficiency: 2b
8.2.2.19. Using applicable publications and presentation software, develop visual media with no more than three technical errors and one instructor assist. STS: 10.4.1 Meas: PC Proficiency: 2b

SECTION C--Support Material.
Note: There are currently no support material requirements. 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 http://hq2af.keesler.af.mil, for information on all courses listed in this index

AIR FORCE IN-RESIDENCE COURSES

Course Number	*Course Title*	*Location*
*L5AQN2T331-001 *L5AQN2T332A-000 *L5AQN2T332B-000 *L5AQN2T332C-000	Interservice Mechanic Apprentice Course(s). *- These courses are the Air Force/Navy "common core" "qualifying courses for the 3 level " AFSC awarding courses	Port Hueneme CA
L3ABP2T331-001	Veh. & Equipment Maintenance Apprentice	Port Hueneme CA
L3ABP2T332A-000	Special Veh. Maintenance Apprentice, Fire Trucks	Port Hueneme CA
L3ABP2T332B-000	Special Veh. Maintenance Apprentice, Refueling Vehicles	Port Hueneme CA
L3ABP2T332C-000	Special Veh. Maintenance Apprentice, Material Handling Equip.	Port Hueneme CA
L3ABP2T337-001	Vehicle Management and Analysis Apprentice	Port Hueneme CA
L5ABA2T335-000	Vehicle Body Mechanic	Aberdeen Proving Ground MD
L3ACP2T371–000	Vehicle Maintenance Craftsman	Port Hueneme CA
L3ACP2T377-000	Vehicle Management and Analysis Craftsman	Port Hueneme CA
L3AZP2T300-000	Vehicle Maintenance Superintendent	Port Hueneme CA
L3AZP2T351-000	Diesel Engine Maintenance	Port Hueneme CA
L3AZP2T352C-000	SEI 60K Loader O/I Maintenance	Port Hueneme CA
L3AZP2T352A-004	A/S 32P-19 Fire Truck O/I Maint	Port Hueneme CA
L3AZP2T352A-005	A/S 32P-23 Fire Truck O/I Maint.	Port Hueneme CA
L3AZP2T351-002	Automatic Transmission/Transaxle Maintenance	Port Hueneme CA
L3AZP2T351-003	Steering, Suspensions, Wheel Alignment, and Anti-Lock Brakes	Port Hueneme CA
L3AZP2T351-004	Vehicle Air Conditioning Systems	Port Hueneme CA
L3AZP2T351-005	Vehicle Diagnostic Test Equipment and Electrical Systems	Port Hueneme CA

AIR FORCE MOBILE TRAINING TEAM (MTT) COURSES

Course Number	*Course Title*
L4AST2T351-000	Pwr Steer & Pwr Brakes Maintenance
L4AST2T351-001	Vehicle Test Equipment
L4AST2T351-005	Diesel Engine Maintenance
L4AST2T351-021	Landoll Deicer O/I Maintenance
L4AST2T352A-009	A/S 32P-19 Fire Truck O/I Maint.
L4AST2T352A-364	A/S 32P-23 Fire Truck O/I Maint.
L4AST2T352B-011	Oshkosh R-11 Refueler O/I Maint
L4AST2T352B-012	Tri-State R-12 Hyd/Hose Truck O/I Maint.
L4AST2T352B-017	Kovatch R-11 Refueler Maintenance
L4AST2T352C-000	Southwest Mobile 25K Loader Maintenance
L4AST2T352C-001	Halvorsen 25K Loader Maint.
L4AST2T352C-002	SEI 60K Cargo Loader Maint.

MTT courses currently in development

MAJCOM COURSES: As determined by the major commands.

OTHER GENERAL COURSES:

SECTION E--MAJCOM Unique Requirements

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