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### NAVMC 3500.39D

From: Commandant of the Marine Corps To: Distribution List

Subj: MOTOR TRANSPORT TRAINING AND READINESS MANUAL

Ref: (a) MCO P3500.72A

Encl: (1) MOTOR-T T&R Manual

1. <u>Purpose</u>. Per the reference, this Training and Readiness (T&R) Manual, contained in enclosure (1), establishes training standards, regulations, and policies regarding the training of Marines in the Motor Transport occupational field.

2. Cancellation. NAVMC 3500.39C.

3. Scope. Highlights of the major changes included in this Manual are:

a. Chapter 1 was adjusted to reflect current organization of this  $\ensuremath{\mathsf{T\&R}}$  Manual.

b. Chapter 2 was revised to reflect the communities approved and published Marine Corps Tasks.

c. Chapter 3 coding and descriptions were updated and functional areas were validated.

d. Chapter 4 billet description and core capabilities were revised to reflect current communities requirements.

e. Chapter 5 was revised to reflect the communities published Marine Corps Tasks. Added several individual tasks to support the Joint Light Tactical Vehicle platform. All 3526 military occupational specialty (MOS) tasks have been incorporated into the 3521 MOS tasks.

f. Chapter 6 was revised to reflect current communities requirements.

g. Chapter 7 was revised to reflect current communities requirements.

h. Chapter 8 was revised to reflect the communities current billet description and core capabilities. These events are already being taught at the formal learning centers without resource growth implications.

i. Chapter 9 modified the condition, standard, performance steps, and references to reflect current communities requirements.

j. Chapter 10 modified the condition, standard, performance steps, and references to reflect current communities requirements.

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k. Chapter 11 modified the condition, standard, performance steps, and references to reflect current communities requirements.

1. Chapter 12 is a new chapter for incidental drivers individual events. These events are already being taught within the operating forces without resource growth implications.

m. Chapter 13 is a new individual events chapter that consolidates all required training and readiness tasks for Marines within the motor transport occupational field.

n. Chapters 3 thru 13 reflect the use of simulators and network simulators that have been leveraged and directed where practical.

4. <u>Information</u>. Commanding General (CG), Training and Education Command (TECOM) will update this T&R Manual as necessary to provide current and relevant training standards to commanders. All questions pertaining to the Marine Corps Ground T&R Program and Unit Training Management should be directed to: CG, TECOM, Marine Air-Ground Task Force Training and Education Standards Division (C 466), 1019 Elliot Road, Quantico, Virginia 22134.

5. Command. This Manual is applicable to the Marine Corps Total Force.

6. Certification. Reviewed and approved this date.

WF Mullen 55 W. F. MULLEN III By direction

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# CHAPTER 1

# OVERVIEW

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#### CHAPTER 1

#### OVERVIEW

### 1000. INTRODUCTION

1. The training and readiness (T&R) program is the Corps' primary tool for planning, conducting and evaluating training, and assessing training readiness. Subject matter experts (SME) from the operating forces (OPFOR) developed core capability mission essential task lists (METL) for ground communities derived from the Marine Corps task list. This T&R Manual is built around these METLs and other related Marine Corps tasks (MCT). All events contained in this Manual relate directly to these METLs and MCTs. This comprehensive T&R program will help to ensure the Marine Corps continues to improve its combat readiness by training more efficiently and effectively. Ultimately, this will enhance the Marine Corps' ability to accomplish real-world missions.

2. This T&R Manual contains the collective and individual training requirements to prepare units to accomplish their combat mission. This T&R Manual is not intended to be an encyclopedia that contains every minute detail of how to accomplish training. Instead, it identifies the minimum standards that Marines must be able to perform in combat. This T&R Manual is a fundamental tool for commanders to build and maintain unit combat readiness. Using this tool, leaders can construct and execute an effective training plan that supports the unit's METL. More detailed information on the Marine Corps ground T&R program is found in reference (a).

3. This T&R Manual is designed for use by unit commanders to determine predeployment training requirements in preparation for training and for formal schools and training detachments to create programs of instruction. This manual focuses on individual and collective tasks performed by OPFOR units and supervised by personnel in the performance of unit mission essential task(s) (MET).

### 1001. UNIT TRAINING

1. The training of Marines to perform as an integrated unit in combat lies at the heart of the T&R program. Unit and individual readiness are directly related. Individual training and the mastery of individual core skills serve as the building blocks for unit combat readiness. A Marine's ability to perform critical skills required in combat is essential.

2. Commanders will ensure that all training is focused on their combat mission. Unit training should focus on achieving proficiency in the unit METL. This T&R Manual is a tool to help develop the unit's training plan based on the unit METL, as approved by their higher commander and reported in the Defense Readiness Reporting System (DRRS). Training will support the unit METL and be designed to meet T&R standards. Commanders at all levels are responsible for effective combat training. The conduct of standards based training consistent with Marine Corps T&R standards cannot be over emphasized.

#### 1002. UNIT TRAINING MANAGEMENT

1. Effective unit training management (UTM) focuses the overall organization on development of training plans based on the unit METL and standards-based community T&R events. This is accomplished in a manner that maximizes training results and focuses the training priorities of the unit in preparation for the conduct of its mission.

2. Unit training management techniques, described in reference (b), (c), and (d) provide commanders with the requisite tools and techniques to analyze, design, develop, implement, and evaluate the training of their unit. To maintain an efficient and effective training program, leaders at every level must understand and implement UTM.

### 1003. SUSTAINMENT AND EVALUATION OF TRAINING

1. Marines are expected to maintain proficiency in the training events for their military occupational specialty (MOS) at the appropriate grade or billet to which assigned. Leaders are responsible for recording the training achievements of their Marines. For collective or individual training events not executed and evaluated as part of the daily routine, leaders must ensure proficiency is sustained by requiring retraining of each event at or before expiration of the designated sustainment interval.

2. The evaluation of training is necessary to properly prepare Marines for combat. Evaluations are either formal or informal, and performed by members of the unit (internal evaluation) or from an external command (external evaluation). The purpose of formal and informal evaluation is to provide commanders with a process to determine a unit's/Marine's proficiency in the tasks that must be performed in combat. Informal evaluations are conducted during every training evolution. Formal evaluations are often scenariobased, focused on the unit's METs, based on collective training standards, and usually conducted during higher-level collective events.

3. Evaluation is a continuous process that is integral to training management and is conducted by leaders at every level and during all phases of planning and the conduct of training. To ensure training is efficient and effective, evaluation is an integral part of the training plan. Ultimately, leaders remain responsible for determining if the training was effective.

1004. ORGANIZATION. This Motor Transport T&R Manual is comprised of 12 chapters and 3 appendices. Chapter 1 is an overview of the ground T&R program. Chapter 2 lists the core METs/MCTs supported by the Motor Transport Community, which are used as part of DRRS. Chapter 3 contains collective events. Chapters 4 through 12 contain individual events specific to a particular MOS and/or billet, as noted. Appendix A contains acronyms; Appendix B contains terms and definitions; and Appendix C contains Simulation.

#### 1005. T&R EVENT CODING

1. Event Code. The event code is an up to 4-4-4 alphanumeric character set:

a. First up to 4 characters indicate MOS or community (e.g., 0321, 1812 or INTL)

b. Second up to 4 characters indicate functional or duty area (e.g. DEF, FSPT, MVMT, etc.)

c. Third 4 characters indicate the unit size and supported unit, if applicable (1000 through 9000), and sequence. Figure 1-1 shows the relationship of unit size to event code. NOTE: The titles for the various echelons are for example only, and are not exclusive. For example: 4000-level events are appropriate for section-level events as noted, but also for squad-level events.

Collective Training	Collective Training	Collective Training
Command Element	Regiment/Group	Battalion/Squadron
9000-level	8000-level	7000-level
Collective Training	Collective Training	Collective Training
Company	Platoon	Squad
6000-level	5000-level	4000-level
Collective Training Team/Section/Crew	Individual Training Skills Progression MOJT, Advanced Level Schools (Core Plus Skills)	Individual Training Entry-Level Formal School Training (Core Skills)
3000-level	2000-level	1000-level

Figure. 1-1 T&R Event Levels

2. <u>Grouping</u>. Categorizing events with the use of a recognizable code makes the type of skill or capability being referenced fairly obvious. Examples include: PAT for patrolling events, DEF for events in the defense, FSPT for events related to fire support, etc. There is no special significance to the functional areas, but they should be intuitive to make it as easy as possible for the T&R user to find events. When organizing this T&R Manual, functional areas are alphabetized then the associated events are numbered. The events will be numbered based upon the introduction of each new functional area, allowing up to "999" events. For example: if there are seven administrative events 4431 occupational field (OccFld), then the events should start 4431-ADMN-1001 and run through 1007. Next, the bulk fuel events, BUFL should start at 4431-BUFL-1001.

3. <u>Sequencing</u>. A numerical code is assigned to each collective (3000-9000 level) or individual (1000-2000 level) training event. The first number identifies the size of the unit performing the event, as depicted in figure 1-1. Exception: Events that relate to staff planning, to conduct of a command operations center, or to staff level decision making processes will be numbered according to the level of the unit to which the staff belongs. For example: an infantry battalion staff conducting planning for an offensive attack would be labeled as INF-PLAN-7001 even though the entire battalion is not actively involved in the planning of the operation. T&R event sequence numbers that begin with "9" are reserved for Marine air-ground task force (MAGTF) command element events. An example of event coding is displayed in figure 1-2.

### Functional Area

MOS/Community----> ####-**####**-**#**### <-1st event in sequence

### Event level

Figure 1-2. T&R Event Coding

## 1006. T&R EVENT COMPOSITION

1. An event contained within a T&R manual is a collective or individual training standard. This section explains each of the components that make up the T&R event. These items will be included in all of the events in each T&R manual. Community-based T&R manuals may have several additional components not found in unit-based T&R manuals. The event condition, event title (behavior) and event standard should be read together as a grammatical sentence.

2. An example of a collective T&R event is provided in figure 1-3 and an example of an individual T&R event is provided in figure 1-4. Events shown in figures are for illustrative purposes only and are not actual T&R events.

XXXX-XXXX-#####: Provide interior guard								
SUPPORTED MET(S): MCT #.#.#								
EVALUATION CODED: YES/NO <u>SUSTAINMENT INTERVAL</u> : 12 months								
DESCRIPTION: Text								
CONDITION: Text								
STANDARD: Text								
EVENT COMPONENTS: 1. Event component. 2. Event component. 3. Event component.								
REFERENCES: 1. Reference 2. Reference 3. Reference								
PREREQUISITE EVENTS: XXXX-XXX-#### XXXX-XXXX-####								
INTERNAL SUPPORTED: XXXX-XXX-#### XXXX-XXXX-####								
INTERNAL SUPPORTING: XXXX-XXXX-##### XXXX-XXXX-#####								

SUPPORT REQUIREMENTS:

EQUIPMENT: XXX

MISCELLANEOUS: XXX

ADMINISTRATIVE INSTRUCTIONS: XXX

Figure 1-3. Example of a Collective T&R Event

XXXX-XXXX-####: Stand a s	sentry post			
EVALUATION CODED: NO		SUSTAINMENT	INTERVAL:	12 months
DESCRIPTION: Text				
MOS PERFORMING: ####, ###	##			
INITIAL TRAINING SETTING:	XXX			
<u>CONDITION</u> : Text				
STANDARD: Text				
PERFORMANCE STEPS:				
2 Event component				
3. Event component.				
REFERENCES:				
1. Reference				
3. Reference				
PREREQUISITE EVENTS:				
XXXX-XXXX-####	xxxx-xxxx-#:	###		
INTERNAL SUPPORTED:				
XXXX-XXXX-####	XXXX-XXXX-#:	###		
INTERNAL SUPPORTING:				
XXXX-XXXX-#### 2	XXXX-XXXX-#:	###		
SUPPORT REQUIREMENTS:				
EQUIPMENT: XXX				
MISCELLANEOUS: XXX				
ADMINISTRATIVE INSTRUCT	IONS: XXX			
Figure 1-	-4. Example	e of an Indiv	vidual Even	t

1. Event Code. The event code is explained in paragraph 1005.

2. <u>Title</u>. The name of the event. The event title contains one action verb and one object.

3. <u>Evaluation-Coded (E-Coded)</u>. Collective events categorize the capabilities that a given unit may be expected to perform. There are some collective events that the Marine Corps has determined that a unit MUST be able to perform, if that unit is to be considered fully ready for operations. These E-Coded events represent the irreducible minimum or the floor of readiness for a unit. These E-Coded events are derived from the training measures of effectiveness (MOE) for the METs for units that must report readiness in DRRS. It would seem intuitive that most E-Coded events would be for battalion sized units and higher since those are the units that report in DRRS. However, if the Marine Corps has determined that the readiness of a subordinate, supporting unit to accomplish a particular collective event is vital to the accomplishment of the supported unit's MET, then that lower echelon collective event is E-Coded.

4. <u>Supported MET(s)</u>. List all METs that are supported by the training event in the judgment of the OccFld drafting the T&R manual, even if those events are not listed as MOE in a MET.

5. <u>Sustainment Interval</u>. It is critical to understand the intent of the sustainment interval so training time is not wasted with duplicated training. Sustainment interval is expressed in number of months. Most individual T&R events and many lower level collective events are never out of sustainment because they are either part of a Marine's daily routine, or are frequently executed within the sustainment interval. Sustainment interval is relevant when an individual or collective event is not observed and evaluated within the sustainment period, has atrophied, and therefore retraining and evaluation is required.

6. <u>Billet/MOS</u>. Each individual training event will contain a billet code and/or MOS that designates who is responsible for performing that event and any corresponding formal course required for that billet. Each commander has the flexibility to shift responsibilities based on the organization of his command. These codes are based on recommendations from the collective subject matter expertise that developed this manual and are listed for each event.

7. <u>Grade</u>. The grade field indicates the rank at which Marines are required to complete the event.

8. <u>Description</u>. This field allows T&R developers to include an explanation of event purpose, objectives, goals, and requirements. It is a general description of an action requiring learned skills and knowledge, i.e., engage fixed target with crew-served weapons. This is an optional field for individual events but is required for collective events. This field can be of great value guiding a formal school or OPFOR unit trying to discern the intent behind an event that might not be readily apparent.

9. <u>Condition</u>. Condition refers to the constraints that may affect event performance in a real-world environment. It indicates what is provided (equipment, tools, materials, manuals, aids, etc.), environmental constraints or conditions under which the task is to be performed, and any specific cues or indicators to which the performer must respond. Commanders can modify the conditions of the event to best prepare their Marines to accomplish the assigned mission (e.g. in a desert environment; in a mountain environment; etc.). When resources or safety requirements limit the conditions, this should be stated. The content of the condition should be included in the event on a "by exception" basis. If there exists an assumption regarding the conditions under which all or most of the events in the manual will be performed, then only those additional or exceptional items required should be listed in the condition. The common conditions under which all the events in a chapter will be executed will be listed as a separate paragraph at the beginning of the chapter.

10. <u>Standard</u>. The performance standard indicates the basis for judging the effectiveness of the performance. It consists of a carefully worded statement that identifies the proficiency level expected when the task is performed. The standard provides the minimum acceptable performance parameters and must be strictly adhered to. The standard for collective events will likely be general, describing the desired end-state or purpose of the event. The standard for individual events will be objective, quantifiable, and readily observable. Standards will more specifically describe to what proficiency level, specified in terms of accuracy, completeness, time required, and sequencing the event is to be accomplished. These guidelines can be summarized in the acronym "ACTS" (Accuracy Completeness Time Sequence). In no cases will "per the reference" or "per/in

11. Event Components/Performance Steps. Description of the actions that the event is composed of, or a list of subordinate, included T&R event and event descriptions. The event components help the user determine what must be accomplished and the proper sequence of execution of subordinate events. Event components are used for collective events; performance steps are used for individual events.

accordance with commander's intent" be used as a stand-alone standard.

a. The event components and performance steps will be consciously written so that they may be employed as performance evaluation check lists by the OPFORs. They must be sequenced to demonstrate the building block approach to training.

b. Event components may be events one individual in the unit performs, events that small groups in the unit perform, or events involving the entire unit.

12. <u>Chained Events</u>. Enables unit leaders to effectively identify prerequisite, supporting, and supported events that ultimately support MCTs/METs. Supported events are chained to supporting events to enable the accomplishment of the supported event to standard and therefore are considered "chained". The completion of identified supported events can be utilized to update sustainment interval credit for supporting events, based on the assessment of the commander.

13. <u>Prerequisite Events</u>. Prerequisites are academic training or other T&R events that must be completed prior to attempting the task. They are lower-level events or tasks that give the individual/unit the skills required to accomplish the event. They can also be planning steps, administrative requirements, or specific parameters that build toward mission accomplishment.

14. <u>Supported Event</u>. An event whose performance is inherently supported by the performance of one or more supporting events. A supported event will be classified as internal supported if it has been developed specifically for

the community. A supported event that has been chained to an event from an external community T&R will be classified as external supported.

15. <u>Supporting Event</u>. An event whose performance inherently supports the performance of a supported event. A supporting event will be classified as internal supporting if it has been developed specifically for the community. A supporting event that has been chained to a community event from an external community T&R will be classified as external supporting.

16. <u>Initial Training Setting</u>. All individual events will designate the setting at which the skill is first taught, either formally, Marine on the Job Training (MOJT) within the OPFOR, or via a distance learning product (DL).

17. <u>References</u>. The training references shall be utilized to determine task performance steps. They assist the trainee in satisfying the performance standards, or the trainer in evaluating the effectiveness of task completion. T&R manuals are designed to be a training outline, not to replicate or replace doctrinal publications, reference publications or technical manuals. References are key to developing detailed lesson plans, determining grading criteria, and ensuring standardization of training. For individual events only one authoritative reference is required.

18. <u>Distance Learning Products</u>. Distance learning products include: Individual multimedia instruction, computer-based training, MarineNet, etc. This notation is included when, in the opinion of the T&R manual group charter in consultation with the MAGTF T&R Standards Division representative, the event can be taught via one of these media vice attending a formal course of instruction or receiving MOJT.

19. <u>Support Requirements</u>. This is a list of the external and internal support the unit and Marines will need to complete the event. This is a key section in the overall T&R effort, as resources will eventually be tied directly to the training towards METS. Future efforts to attain and allocate resources will be based on the requirements outlined in the T&R manual. The list includes, but is not limited to:

- Range(s)/Training Area
- Ordnance
- Equipment
- Materials
- Other Units/Personnel

The ordnance requirements for one year of training for the events in the T&R will be aggregated into a table contained in an appendix to the T&R. The task analyst and the OccFld representatives will be careful not to "double count" ammunition that might be employed in the performance of collective and individual events that are chained.

20. <u>Suitability of Simulation/Simulators/DL products</u>. The following "Suitability and Sequence" codes listed in figure 1-5 have been developed to communicate characteristics for employing simulations during training. Units of measure have been assigned based on the amount of time it takes a Marine or unit to train to task utilizing a particular simulator. Suitability and sequence codes are captured in the event title in a parenthetical remark, as well as within the simulation field of the T&R event. The simulation field also identifies the type of simulation, units of measure, and any other pertinent information.

Code	Requirement
L	The event can only be trained to standard in a Live environment. Any event assessed as "NO" for Simulatable was coded "L."
P	The event must be performed to standard in simulator as a PREREQUISITE to live fire qualification as per current doctrine, policy, or T&R manual.
S/L	Event must be trained to standard in simulation then live unless simulation capacity is not available, then live only training is appropriate.
L/S	Event must be trained to standard in a live environment then simulation unless simulation capacity is not available, then live only training is appropriate.
S	Event can ONLY be conducted to standard and qualification in simulator.

Figure 1-5. Suitability and sequence codes

a. Training simulation capabilities offer an opportunity to build and sustain proficiency while achieving and/or maintaining certain economies. Commanders should take into consideration simulation tools as a matter of course when designing training.

b. Simulation Terms:

(1) Simulation: A model of a system animated discretely or continuously over a period of time. A simulation may be closed-loop (i.e., it executes based in initial inputs without human intervention), or it may be open-loop (i.e., human input to alter the variables in the system during execution is allowed). A simulation is an approximation of how the modeled system will behave over time. Simulations are constructed based on verified and validated mathematical models of actual systems. Simulations can be very simple or complex depending on the degree of fidelity and resolution needed to understand the behavior of a system.

(2) Simulator: A simulator is the physical apparatus employed as the interface for humans to interact with a model or observe its output. A simulator has input controls and outputs in the form of human sensory stimuli (visual, auditory, olfactory, tactile/haptic, and taste). For instance, some of the features of the vehicle cab (the seat, steering wheel, turn signals, accelerator pedal, brakes, and windshield) and projection screen. Both the vehicle cab and projection screen are the interface by which a human being interacts with the simulated environment of a driving a vehicle and observe the outputs of the mathematical models of vehicle dynamics.

(3) Model: A mathematical representation of the behavior (i.e., shows the behavior of projectiles, combat simulations, etc.) of a system at a distinct point in time.

(4) Live: Real people operates real systems to include both live people operating real platforms or systems on a training range and battle staffs from joint, component or service tactical headquarters using real world command and control systems. (5) Virtual: Real people operating simulated systems. Virtual simulations inject humans-in-the-loop in a central role by exercising motor control skills (e.g., flying an air platform simulator, engaging targets in indoor simulated marksmanship trainer), decision skills, and/or communication skills.

(6) Constructive: Models and simulations that involve simulated people operating simulated systems (i.e., MAGTF Tactical Warfare Simulation). Real people make inputs to such simulations, but are not involved in determining the outcomes.

(7) Live, Virtual and Constructive (LVC) Training Environment: Defined by combining any of the three training domains LVC to create a common operational environment, by which units can interact across LVC domains as though they are physically located in the same operational environment.

(8) Distance Learning: Any instruction and evaluation provided through a variety of DL delivery systems (i.e., MarineNet) where the students and instructors are separated by time and/or location.

c. Figure 1-6 depicts an event title with simulation code and simulation and/or simulators that can be used, as displayed within a T&R event.

**XXXX-XXX-XXXX:** Call for indirect fire using the grid method (L/S)

#### SUPPORT REQUIREMENTS:

### SIMULATION EVALUATION:

SIMULATED	SUITABILITY	SIMULATOR	UNIT OF MEASURE	HOURS	PM	
Yes	L/S	ODS	Marine Hours	12	Y	

Figure 1-6. Example of simulation/simulators displayed within a T&R event

### 21. Miscellaneous

a. This field provides space for any additional information that will assist in the planning and execution of the event. Units and formal learning centers are cautioned not to disregard this information or to consider the information of lesser importance than what is contained in other parts of the T&R event. Miscellaneous fields provide an opportunity for the drafters of the T&R event to communicate vital information that might not fit neatly into any other available field. The list may include, but is not limited to:

- Admin Instructions
- Special Personnel Certifications
- Equipment Operating Hours
- Road Miles

#### 1007. COMBAT READINESS PERCENTAGE (CRP)

1. The Marine Corps ground T&R program includes processes to assess readiness of units and individual Marines. Every unit in the Marine Corps maintains a basic level of readiness based on the training and experience of the Marines in the unit. Even units that never trained together are capable of accomplishing some portion of their missions. Combat readiness assessment does not associate a quantitative value for this baseline of readiness, but uses a "Combat Readiness Percentage" as a method to provide a concise descriptor of the recent training accomplishments of units and Marines.

2. Combat readiness percentage is the percentage of required training events that a unit or Marine accomplishes within specified sustainment intervals.

3. Unit combat readiness is assessed as a percentage of the successfully completed and current (within sustainment interval) key training events called E-Coded Events. E-Coded events and unit CRP calculation are described in follow-on paragraphs. The CRP achieved through the completion of E-Coded Events is directly relevant to readiness assessment in DRRS.

### 1008. CRP CALCULATION

1. Collective training begins at the 3000-level (team, crew, or equivalent). Unit training plans are designed to accomplish the events that support the unit METL while simultaneously sustaining proficiency in individual core skills. E-Coded collective events are the only events that contribute to unit CRP. This is done to assist commanders in prioritizing the training toward the METL, taking into account resource, time, and personnel constraints.

2. Unit CRP increases after the completion of E-Coded events. The number of E-Coded events for the MET determines the value of each E-Coded event. For example, if there are 4 E-Coded events for a MET, each is worth 25% of MET CRP. The MET CRP is calculated by adding the percentage of each completed and current (within sustainment interval) E-Coded training event. The percentage for each MET is calculated the same way and all are added together and divided by the number of METS to determine unit CRP. For ease of calculation, we will say that each MET has four E-Coded events, each contributing 25% towards the completion of the MET. If the unit has completed and is current on three of the four E-Coded events for a given MET, then they have completed 75% of the MET. The CRP for each MET is added together and divided by the number of METS to get unit CRP; unit CRP is the average of MET CRP.

For Example:

MET 1: 75% complete (3 of 4 E-Coded events trained)
MET 2: 100% complete (6 of 6 E-Coded events trained)
MET 3: 25% complete (1 of 4 E-Coded events trained)
MET 4: 50% complete (2 of 4 E-Coded events trained)
MET 5: 75% complete (3 of 4 E-Coded events trained)

To get unit CRP, simply add the CRP for each MET and divide by the number of METS:

MET CRP: 75 + 100 + 25 + 50 + 75 = 325

Unit CRP: 325 (total MET CRP)/5 (total number of METS) = 65%

3. Combat readiness percentage is a valuable tool to assist commanders in readiness reporting by providing objective data to support and inform their subjective assessment.

#### 1009. CHEMICAL BIOLOGICAL RADIOLOGICAL NUCLEAR TRAINING

1. All personnel assigned to the OPFOR must be trained in chemical, biological, radiological, and nuclear (CBRN) defense in order to survive and continue their mission in this environment. Individual proficiency standards are defined as survival and basic operating standards. Survival standards are those that the individual must master in order to survive CBRN attacks. Basic operating standards are those that the individual, and collectively the unit, must perform to continue operations in a CBRN environment.

2. In order to develop and maintain the ability to operate in a CBRN environment, CBRN training is an integral part of the training plan and events in this T&R Manual. Units should train under CBRN conditions whenever possible. Per reference (c), all units must be capable of accomplishing their assigned mission in a contaminated environment.

### 1010. NIGHT TRAINING

1. While it is understood that all personnel and units of the OPFOR are capable of performing their assigned mission in "every clime and place, "current doctrine emphasizes the requirement to perform assigned missions at night and during periods of limited visibility. Basic skills are significantly more difficult when visibility is limited.

2. To ensure units are capable of accomplishing their mission they must train under the conditions of limited visibility. Units should strive to conduct all events in this T&R Manual during both day and night/limited visibility conditions. When there is limited training time available, night training should take precedence over daylight training, contingent on the availability of equipment and personnel.

#### 1011. RISK MANAGEMENT (RM)

1. Risk management is a process that enables commanders to plan for and minimize risk while still accomplishing the mission. It is a tool to aid decision making used by Marines at all levels to increase effectiveness by anticipating hazards and reducing the potential for loss, thereby increasing the probability of success. Risk management minimizes risks to acceptable levels, commensurate with mission accomplishment.

2. All leaders and Marines will integrate RM in the planning process and implement hazard controls to reduce risk to acceptable levels. Applying the RM process will reduce mishaps, injuries, and damage they cause, thereby increasing both individual performance and unit readiness. Risk management assists the commander in avoiding unnecessary risk, determining the balance between training realism and unnecessary risks in training, making an informed decision to implement a course of action, identifying feasible and effective control measures, adjusting training plans to fit the level of proficiency and experience of Marines/Sailors, and providing reasonable alternatives for mission accomplishment.

3. Specifically, commanders are required to implement and document deliberate RM in the planning and execution of all training evolutions and

activities. Furthermore, the authority to approve or accept risk assessment code (RAC) 1 or 2 hazards will not be delegated below lieutenant colonel (05). Further guidance for RM is found in Marine Corps Order 3500.27\_.

### 1012. IMPROVISED EXPLOSIVE TRAINING

1. Improvised explosive device (IED) threat impacts all elements of the MAGTF and all Marines regardless of MOS, location, or operational environment. The ability to effectively operate and survive in environments with an IED threat is critical to force protection, maintaining combat effectiveness, and mission accomplishment.

2. Per Marine Corps policy on organizing, training, and equipping for operations in an IED environment (MCO 3502.9), Marines must be capable of not only accomplishing their assigned mission, but also accomplishing their mission in environments with an IED threat. Counter-improvised explosive device (C-IED) training must be integrated into the unit training plan in order-to ensure personnel assigned to the OPFOR train and maintain proficiency in C-IED tactics, techniques, and procedures.

# CHAPTER 2

# MISSION-ESSENTIAL TASKS

	PARAGRAPH	PAGE
CORE MISSION-ESSENTIAL TASKS LIST	. 2000	2-2
CORE MISSION-ESSENTIAL TASKS (MET)	. 2001	2-2
MOTOR TRANSPORT SUPPORTING E-CODED EVENTS	. 2002	2-2

### CHAPTER 2

#### MISSION-ESSENTIAL TASKS

### 2000. CORE MISSION-ESSENTIAL TASKS LIST

MCT 4.2	Conduct Maintenance Operations
MCT 4.2.2	Conduct Ground Equipment Maintenance
MCT 4.2.2.1	Conduct Inspection and Classification
MCT 4.2.2.2	Conduct Service, Adjustment, and Tuning
MCT 4.2.2.4	Conduct Repair
MCT 4.2.2.5	Conduct Modification
MCT 4.2.2.6	Conduct Rebuilding and Overhaul
MCT 4.2.2.8	Conduct Recovery and Evacuation Operations
MCT 4.3	Conduct Transportation Operations
MCT 4.3.3	Conduct Motor Transport Operations

2001. CORE MISSION-ESSENTIAL TASKS (MET). The MET tables list the standardized core METs for various units supported by the Motor Transport community.

### 2002. MOTOR TRANSPORT SUPPORTING E-CODED EVENTS

The Motor Transport Community MET-Supporting E-coded Events table lists the E-coded collective T&R events that support the core METs identified in tables 2001-2002. These E-coded T&R events form the basis for unit readiness planning per reference (d), identifying subordinate collective and individual training events through the supporting/chained relationships described in each event.

MCT 4.3 Conduct T	ransportation Operations
35XX-WPNS-3001	Employ crew-serve weapons in the defense of a tactical
	motor pool
35XX-WPNS-3002	Employ crew-serve weapons in the defense of a convoy
35XX-WPNS-3003	Conduct the Vehicle-Mounted Course of Fire (Gunnery Table
	V)
MCMT-MAIN-3004	Conduct recovery operations
MCMT-OPER-3001	Conduct movement control
MCMT-OPER-3002	Conduct refueling operations (S/L)
MCMT-OPER-5002	Conduct convoy operations
MCMT-OPER-6003	Conduct convoy operations (S/L)
MCMT-OPER-6004	Establish a tactical motor pool (S/L)
MCMT-OPER-7004	Direct movement control
MCMT-OPER-8001	Direct movement control
MCMT-OPER-8003	Direct convoy operations (S/L)
MCMT-WPNS-3001	Employ crew-serve weapons in the defense of a tactical
	motor pool. (S/L)
MCT 4.3.3 Conduct	Motor Transport Operations
35XX-WPNS-3002	Employ crew-serve weapons in the defense of a convoy

MCMT-LIC-3001	Perform licensing				
MCMT-LIC-6001	Direct a licensing program				
MCMT-LIC-7001	Direct a licensing program				
MCMT-LIC-8001	Direct a licensing program				
MCMT-MAIN-3005	Employ mobile maintenance teams				
MCMT-MAIN-5005	Employ maintenance platoon				
MCMT-OPER-3001	Conduct movement control				
MCMT-OPER-3002	Conduct refueling operations (S/L)				
MCMT-OPER-3003	Conduct recovery operations				
MCMT-OPER-5002	Conduct convoy operations				
MCMT-OPER-5003	Establish a tactical motor pool				
MCMT-OPER-5004	Conduct fueling operations				
MCMT-OPER-6003	Conduct convoy operations (S/L)				
MCMT-OPER-6005	Direct fueling operations (S/L)				
MCMT-OPER-7003	Direct convoy operations (L/S)				
MCMT-OPER-7004	Direct movement control				
MCMT-OPER-8001	Direct movement control				
MCMT-OPER-8003	Direct convoy operations (S/L)				
MCMT-WPNS-3001	Employ crew-serve weapons in the defense of a tactical				
	motor pool. (S/L)				

# CHAPTER 3

# COLLECTIVE EVENTS

																PZ	ARAGRAPH	PAGE
PURPOSE			•		•				•	•	•	•	•	•			3000	3-2
EVENT CODING			•		•					•	•	•				•	3001	3-2
INDEX OF 8000-LEVEL	EVENTS.	•	•	•	•	 •		•	•	•	•	•	•	•	•	•	3002	3-2
8000 LEVEL EVENTS .		•	•	•	•	 •		•	•	•	•	•	•	•	•	•	3003	3-2
INDEX OF 7000 LEVEL	EVENTS.		•		•	 •		•	•	•	•	•	•	•	•	•	3004	3-5
7000 LEVEL EVENTS .			•		•	 •		•	•	•	•	•	•	•	•	•	3005	3-6
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6000 LEVEL EVENTS .			•		•					•	•	•					3007	3-10
INDEX OF 5000 LEVEL	EVENTS.		•		•					•	•	•					3008	3-16
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3000 LEVEL EVENTS .		•		•	•					•	•	•					3011	3-21

### CHAPTER 3

### COLLECTIVE EVENTS

**3000. PURPOSE.** Chapter 3 contains collective training events for the Motor Transport community.

# 3001. EVENT CODING

Events in this T&R Manual are depicted with an up to 12-character, 3-field alphanumeric system, i.e. XXXX-XXXX-XXXX. This chapter utilizes the following methodology:

a. Field one. This field represents the community. This chapter contains the following community codes:

CodeDescriptionMCMTMarine Corps Motor Transport

b. Field two. This field represents the functional/duty area. This chapter contains the following functional/duty areas:

Code	Description
LIC	Licensing
MAIN	Maintenance
OPER	Operator

c. Field three. This field provides the level at which the event is accomplished and numerical sequencing of events. This chapter contains the following event levels:

Code	Description
8000	Regiment Level
7000	Battalion Level
6000	Company Level
5000	Platoon Level
4000	Squad Level
3000	Crew/Section Level

### 3002. INDEX OF 8000-LEVEL EVENTS

Event Code	E-Coded	Event	Page			
8000 Level Events						
MCMT-LIC-8001	NO	Direct a licensing program	3-3			
MCMT-OPER-8001	NO	Direct movement control	3-3			
MCMT-OPER-8002	NO	Direct recovery operations	3-4			
MCMT-OPER-8003	YES	Direct convoy operations (S/L)	3-4			

# 3003. 8000 LEVEL EVENTS

MCMT-LIC-8001: Direct a licensing program

SUPPORTED MET(S): MCT 4.3.3

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

CONDITION: Given licensing authority, personnel, references and equipment.

**STANDARD:** To accomplish operational requirements.

### EVENT COMPONENTS:

- 1. Analyze mission requirements.
- 2. Administer licensing procedures.
- 3. Validate program effectiveness.

#### **REFERENCES:**

- 1. Local SOP Local Standard Operating Procedures
- 2. MCO 11240.118 Standard Licensing Procedures to Operate Military Motor Vehicle
- 3. TM 11240-15/3\_ Tactical Motor Transport Licensing Official's Manual

#### CHAINED EVENTS:

**INTERNAL SUPPORTING EVENTS:** MCMT-LIC-7001

MCMT-OPER-8001: Direct movement control

#### SUPPORTED MET(S):

MCT 4.3 MCT 4.3.3

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

CONDITION: Given a requirement and area of operation.

STANDARD: To achieve operational objective IAW mission requirements.

#### EVENT COMPONENTS:

- 1. Implement principles of movement control.
- 2. Implement functions of movement control.
- 3. Determine other considerations of movement control.
- 4. Coordinate with movement control agencies.
- 5. Conduct transportation planning.
- 6. Manage coordination, allocation and routing.
- 7. Conduct In-Transit Visibility.

## **REFERENCES**:

- 1. ATP 4-16 Movement Control
- 2. MSTP PAM 4-0.1 Movement Control

### CHAINED EVENTS:

# **INTERNAL SUPPORTING EVENTS:** MCMT-OPER-7004

#### MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** Event performed live preferred/ simulator optional using the Virtual Combat Convoy Trainer (VCCT), Combat Convoy Simulator (CCS) and/or MAGTF Tactical Warfare Simulation (MTWS).

MCMT-OPER-8002: Direct recovery operations

SUPPORTED MET(S): MCT 4.2.2.8

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

**CONDITION:** Given a mission requirement, personnel and equipment.

**STANDARD:** To ensure equipment is moved from its current position and returned to operation or a maintenance facility without injury to personnel or further damage to equipment.

#### EVENT COMPONENTS:

- 1. Assess operational situation.
- 2. Assign the mission.
- 3. Monitor the recovery operation.

### **REFERENCES:**

- 1. MCRP 3-40E.1 Recovery and Battle Damage Assessment and Repair (BDAR)
- 2. MCTP 3-40E Maintenance Operations

#### CHAINED EVENTS:

**INTERNAL SUPPORTING EVENTS:** MCMT-OPER-7002

MCMT-OPER-8003: Direct convoy operations (S/L)

# SUPPORTED MET(S):

MCT 4.3 MCT 4.3.3

EVALUATION-CODED: YES SUSTAINMENT INTERVAL: 12 months

#### READINESS-CODED: NO

**<u>CONDITION</u>**: Given a requirement, vehicles, personnel, required tools and equipment.

STANDARD: To achieve operational objective IAW mission requirements.

### EVENT COMPONENTS:

- 1. Conduct mission analysis.
- 2. Issue the order.
- 3. Monitor the movement.
- 4. Review convoy commander's after action report.

#### **REFERENCES:**

- 1. AMTE-OM Applicable Motor Transport Equipment Operator Manuals (OM)
- 2. FM 21-305 Manual for Wheeled Vehicle Driver
- 3. FM 5-36 Route Reconnaissance and Classification
- 4. FM 55-30 Army Motor Transport Units and Operations
- 5. Local SOP Local Standard Operating Procedures
- 6. MCRP 3-40E.1 Recovery and Battle Damage Assessment and Repair (BDAR)
- 7. MCRP 3-40F.7 Multi-Service Tactics, Techniques, and Procedures for Tactical Convoy Operations (TCO)
- 8. MCRP 4-11.3F Convoy Operations Handbook
- 9. MCTP 3-40E Maintenance Operations
- 10. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
- 11. MCWP 3-40 Logistics Operations
- 12. MSTP PAM 4-0.1 Movement Control
- 13. NAVSEA SWO20-AF-ABK-010 Motor Vehicle Driver and Shipping Inspector's Manual for Ammunition, Explosives and Related Hazardous Materials

# CHAINED EVENTS:

**INTERNAL SUPPORTING EVENTS:** MCMT-OPER-7003

#### SUPPORT REQUIREMENTS:

### SIMULATION EVALUATION:

SIMULATED	SUITABILITY	SIMULATOR	UNIT OF MEASURE	HOURS	PM
Yes	S/L	MTWS	Unit Hours	20	Y

### MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** Event performed live preferred/ simulator optional using the Deployable Virtual Training Environment (DVTE).

#### 3004. INDEX OF 7000 LEVEL EVENTS

Event Code	E-Coded	Event	Page			
7000 Level Events						
MCMT-LIC-7001	NO	Direct a licensing program	3-6			
MCMT-OPER-7002	NO	Direct recovery operations	3-6			
MCMT-OPER-7003	YES	Direct convoy operations (L/S)	3-7			
MCMT-OPER-7004	NO	Direct movement control	3-8			
MCMT-OPER-7005	NO	Establish a tactical motor pool (S/L)	3-8			
MCMT-OPER-7006	NO	Direct fueling operations	3-9			

3005. 7000 LEVEL EVENTS

MCMT-LIC-7001: Direct a licensing program

**SUPPORTED MET(S):** MCT 4.3.3

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

CONDITION: Given licensing authority, personnel, references and equipment.

STANDARD: To accomplish operational requirements.

### EVENT COMPONENTS:

- 1. Analyze mission requirements.
- 2. Administer licensing procedures.
- 3. Validate program effectiveness.

#### **REFERENCES:**

- 1. Local SOP Local Standard Operating Procedures
- 2. MCO 11240.118 Standard Licensing Procedures to Operate Military Motor Vehicle
- 3. TM 11240-15/3\_ Tactical Motor Transport Licensing Official's Manual

#### CHAINED EVENTS:

**INTERNAL SUPPORTING EVENTS:** MCMT-LIC-6001

MCMT-OPER-7002: Direct recovery operations

SUPPORTED MET(S): MCT 4.2.2.8

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

CONDITION: Given a mission requirement, personnel and equipment.

**STANDARD:** To ensure equipment is moved from its current position and returned to operation or a maintenance facility without injury to personnel or further damage to equipment.

### EVENT COMPONENTS:

- 1. Assess operational situation.
- 2. Assign the mission.
- 3. Monitor the recovery operation.

#### **REFERENCES:**

- 1. MCRP 3-40E.1 Recovery and Battle Damage Assessment and Repair (BDAR)
- 2. MCTP 3-40E Maintenance Operations

### CHAINED EVENTS:

**INTERNAL SUPPORTING EVENTS:** MCMT-OPER-6002

MCMT-OPER-7003: Direct convoy operations (L/S)

SUPPORTED MET(S): MCT 4.3.3

EVALUATION-CODED: YES SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

**<u>CONDITION</u>**: Given a requirement, vehicles, personnel, required tools and equipment.

STANDARD: To achieve operational objective IAW mission requirements.

### EVENT COMPONENTS:

- 1. Conduct mission analysis.
- 2. Issue the order.
- 3. Monitor the movement.
- 4. Review convoy commander's after action report.

#### **REFERENCES:**

- 1. FM 21-305 Manual for Wheeled Vehicle Driver
- 2. FM 5-36 Route Reconnaissance and Classification
- 3. FM 55-30 Army Motor Transport Units and Operations
- 4. Local SOP Local SOP
- 5. MCRP 3-40E.1 Recovery and Battle Damage Assessment and Repair (BDAR)
- 6. MCRP 3-40F.7 Multi-Service Tactics, Techniques, and Procedures for Tactical Convoy Operations (TCO)
- 7. MCRP 4-11.3F Convoy Operations Handbook
- 8. MCTP 3-40E Maintenance Operations
- 9. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
- 10. MSTP PAM 4-0.1 Movement Control
- 11. NAVSEA SWO20-AF-ABK-010 Motor Vehicle Driver and Shipping Inspector's Manual for Ammunition, Explosives and Related Hazardous Materials

### CHAINED EVENTS:

#### **INTERNAL SUPPORTING EVENTS:** MCMT-OPER-6003

#### SUPPORT REQUIREMENTS:

### SIMULATION EVALUATION:

SIMULATED	SUITABILITY	SIMULATOR	UNIT OF MEASURE	HOURS	PM
Yes	L/S	MTWS	Unit Hours	20	Y

### MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** Event performed live preferred/ simulator optional using Deployable Virtual Training Environment (DVTE).

MCMT-OPER-7004: Direct movement control

#### SUPPORTED MET(S):

MCT 4.3 MCT 4.3.3

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

CONDITION: Given a requirement and area of operation.

STANDARD: To achieve operational objective IAW mission requirements.

#### EVENT COMPONENTS:

- 1. Implement principles of movement control.
- 2. Implement functions of movement control.
- 3. Determine other considerations of movement control.
- 4. Coordinate with movement control agencies.
- 5. Conduct transportation planning.
- 6. Manage coordination, allocation and routing.
- 7. Conduct In-Transit Visibility.

#### REFERENCES:

- 1. ATP 4-16 Movement Control
- 2. MSTP PAM 4-0.1 Movement Control

#### CHAINED EVENTS:

INTERNAL SUPPORTING EVENTS: MCMT-OPER-3002 MCMT-OPER-3002

### MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** Event performed live preferred/ simulator optional using the Virtual Combat Convoy Trainer (VCCT), Combat Convoy Simulator (CCS) and/or MAGTF Tactical Warfare Simulation (MTWS).

MCMT-OPER-7005: Establish a tactical motor pool (S/L)

SUPPORTED MET(S): MCT 4.2

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

CONDITION: Provided with the requirement, equipment and personnel.

**STANDARD:** Safely meeting operational requirement with no injury to personnel or damage to equipment.

### EVENT COMPONENTS:

- 1. Conduct site recon.
- 2. Prepare a security plan.
- 3. Develop space requirements for equipment.
- 4. Develop space requirements for facilities.
- 5. Construct road network requirements.
- 6. Prepare a defense plan.
- 7. Create a fire prevention plan.
- 8. Observe environmental considerations.

### **REFERENCES:**

- 1. ATP 4-11 Army Motor Transport Operations
- 2. ATP 4-16 Movement Control
- 3. MCO P4790.2\_ MIMMS Field Procedures Manual
- 4. MCTP 3-40E Maintenance Operations
- 5. MCWP 4-11.4 Maintenance Operations

#### CHAINED EVENTS:

**INTERNAL SUPPORTING EVENTS:** MCMT-OPER-6004

#### SUPPORT REQUIREMENTS:

#### SIMULATION EVALUATION:

SIMULATED	SUITABILITY	SIMULATOR	UNIT OF MEASURE	HOURS	PM
Yes	S/L	DVTE	Marine Hours	8	Y
Yes	S/L	TDK	Marine Hours	8	N

ADDITIONAL RANGE/TRAINING AREA: 1. Planning should include: forms of defense: sector, perimeter, linear, non-linear, reverse slope, defensive recon considerations, etc. 2. Integration of fires should include: Long range fires, close supporting fires, and final protective fires. 3. Security plan: should be commenced as early as possible, even during the leader's recon if able.

MCMT-OPER-7006: Direct fueling operations

SUPPORTED MET(S): MCT 4.2.2.6

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

CONDITION: Given a mission requirement, personnel and equipment.

**STANDARD:** To accomplish operational requirements.

### EVENT COMPONENTS:

- 1. Assess operational situation.
- 2. Assign the mission.
- 3. Monitor the fueling/defueling operation.

### **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. DCAM 4145.11 Storage & Handling of Hazardous Material
- 4. DOD 4140.25 Management of Bulk Petroleum Products, Storage and Distribution Facilities
- 5. DOD 4500.9-R Defense Transportation Regulation (DTR)
- 6. FM 21-305 Manual for Wheeled Vehicle Driver
- 7. FM 55-30 Army Motor Transport Units and Operations
- 8. FM 7-28 Jungle Operations
- 9. FMFM 7-29 Mountain Operations
- 10. MCO P5090.2\_ Environmental Compliance and Protection Manual
- 11. MCRP 3-35.1D Cold Region Operations
- 12. MCRP 3-40F.7 Multi-Service Tactics, Techniques, and Procedures for Tactical Convoy Operations (TCO)
- 13. MCRP 4-11.3F Convoy Operations Handbook
- 14. MCRP 4-11.6 Petroleum and Water Logistics Operations
- 15. MCRP 4-11B Environmental Considerations
- 16. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
- 17. MCWP 3-35.6 Desert Operations
- 18. MIL-HDBK-844A Aircraft Refueling Handbook for Navy and Marine Corps aircraft
- 19. NAVMC DIR 5100.8\_ Marine Corps Occupational Safety and Health (OSH) Program Manual
- 20. NAVSEA SWO20-AF-ABK-010 Motor Vehicle Driver and Shipping Inspector's Manual for Ammunition, Explosives and Related Hazardous Materials
- 21. SW020-AC-SAF-010 Transportation and Storage Data for Ammunition, Explosives and Related Hazardous Materials
- 22. TM 11240-15/3\_ Tactical Motor Transport Licensing Official's Manual
- 23. TM 4700-15/1\_ Ground Equipment Record Procedures
- 24. TM 5-848-2 Handling of Aircraft and Automotive Fuels

### CHAINED EVENTS:

**INTERNAL SUPPORTING EVENTS:** MCMT-OPER-6005

# 3006. INDEX OF 6000 LEVEL EVENTS

Event Code	E-Coded	Event	Page				
6000 Level Events							
MCMT-LIC-6001	NO	Direct a licensing program	3-11				
MCMT-MAIN-6006	NO	Employ a Maintenance Company (S)	3-11				
MCMT-OPER-6002	NO	Direct recovery operations	3-12				
MCMT-OPER-6003	YES	Conduct convoy operations (S/L)	3-13				
MCMT-OPER-6004	NO	Establish a tactical motor pool (S/L)	3-14				
MCMT-OPER-6005	NO	Direct fueling operations (S/L)	3-15				

### 3007. 6000 LEVEL EVENTS

MCMT-LIC-6001: Direct a licensing program

SUPPORTED MET(S): MCT 4.3.3

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

CONDITION: Given licensing authority, personnel, references and equipment.

STANDARD: To accomplish operational requirements.

#### EVENT COMPONENTS:

- 1. Analyze mission requirements.
- 2. Administer licensing procedures.
- 3. Validate program effectiveness.

#### **REFERENCES:**

- 1. Local SOP Local SOP
- 2. MCO 11240.118 Standard Licensing Procedures to Operate Military Motor Vehicle
- 3. TM 11240-15/3\_ Tactical Motor Transport Licensing Official's Manual

#### CHAINED EVENTS:

**INTERNAL SUPPORTING EVENTS:** MCMT-LIC-3001

MCMT-MAIN-6006: Employ a Maintenance Company (S)

## SUPPORTED MET(S):

MCT 4.2	MCT 4.2.2	MCT 4.2.2.1
MCT 4.2.2.2	MCT 4.2.2.4	MCT 4.2.2.5
MCT 4.2.2.6	MCT 4.2.2.8	

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

**DESCRIPTION:** The maintenance company supports for organizational and intermediate tasks. The maintenance company consists of skillfully trained maintenance technicians with tools, test equipment, technical publications, and repair parts required to manage maintenance operations.

CONDITION: Given a requirement, personnel, equipment, and the references.

**STANDARD:** To assess equipment failure, repair and/or recover in order to meet mission requirements.

#### EVENT COMPONENTS:

- 1. Analyze the requirement(s).
- 2. Determine required resources.
- 3. Perform pre-operations checks.
- 4. Proceed to location(s).

- 5. Provide maintenance support.
- 6. Evacuate equipment assets, as needed.
- 7. Conduct de-briefs, as required.

### **REFERENCES:**

- 1. AIETM Applicable Interactive Electronic Technical Manual
- 2. AMTE-LI Applicable Motor Transport Equipment Lubrication Instruction (LI)
- 3. AMTE-LO Applicable Motor Transport Equipment Lubrication Order (LO)
- 4. AMTE-OM Applicable Motor Transport Equipment Operator Manuals (OM)
- 5. AMTE-SL Applicable Motor Transport Equipment Stock Listing (SL)
- 6. MCRP 3-40E.1 Recovery and Battle Damage Assessment and Repair (BDAR)
- 7. MCTP 3-40E Maintenance Operations

### CHAINED EVENTS:

INTERNAL SUPPORTING EVENTS:		
MCMT-MAIN-3004	MCMT-MAIN-3004	MCMT-MAIN-3004

### SUPPORT REQUIREMENTS:

#### SIMULATION EVALUATION:

SIMULATED	SUITABILITY	SIMULATOR	UNIT OF MEASURE	HOURS	PM
Yes	S	DVTE	Marine Hours	4	Y
Yes	S	TDK	Marine Hours	4	Ν

#### MCMT-OPER-6002: Direct recovery operations

SUPPORTED MET(S): MCT 4.2.2.8

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

CONDITION: Given a mission requirement, personnel and equipment.

**STANDARD:** To ensure equipment is moved from its current position and returned to operation or a maintenance facility without injury to personnel or further damage to equipment.

#### EVENT COMPONENTS:

- 1. Assess operational situation.
- 2. Assign the mission.
- 3. Monitor the recovery operation.

### **REFERENCES**:

MCRP 3-40E.1 Recovery and Battle Damage Assessment and Repair (BDAR)
 MCTP 3-40E Maintenance Operations

#### CHAINED EVENTS:

### **INTERNAL SUPPORTING EVENTS:** MCMT-MAIN-6006

MCMT-OPER-6003: Conduct convoy operations (S/L)

### SUPPORTED MET(S):

MCT 4.3.3 MCT 4.3

EVALUATION-CODED: YES SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

CONDITION: Given a requirement, vehicles, personnel, required tools and equipment.

STANDARD: To achieve operational objective IAW mission requirements.

#### EVENT COMPONENTS:

- Analyze the order. 1.
- 2. Read the intelligence reports.
- Determine IED threat. 3.
- 4. Determine convoy requirements.
- 5. Organize the convoy in march order.
- 6. Inspect cargo loads.
- 7. Develop a convoy commander's brief.
- 8. Conduct a convoy commander's brief.
- 9. Direct the movement of the convoy using navigational devices.
- 10. Conduct a debrief.
- 11. Prepare a convoy commander's after action report.

### **REFERENCES:**

- 1. AMTE-OM Applicable Motor Transport Equipment Operator Manuals (OM)
- FM 21-305 Manual for Wheeled Vehicle Driver 2.
- FM 5-36 Route Reconnaissance and Classification 3.
- FM 55-30 Army Motor Transport Units and Operations 4.
- 5. Local SOP Local Standard Operating Procedures
- MCRP 3-40E.1 Recovery and Battle Damage Assessment and Repair (BDAR) 6.
- 7. MCRP 3-40F.7 Multi-Service Tactics, Techniques, and Procedures for Tactical Convoy Operations (TCO)
- 8. MCRP 4-11.3F Convoy Operations Handbook
- 9. MCTP 3-40E Maintenance Operations
- 10. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
- 11. MCWP 3-40 Logistics Operations
- 12. MSTP PAM 4-0.1 Movement Control

# CHAINED EVENTS:

**INTERNAL SUPPORTING EVENTS:** MCMT-OPER-5002

### SUPPORT REQUIREMENTS:

#### SIMULATION EVALUATION:

SIMULATED	SUITABILITY	SIMULATOR	UNIT OF MEASURE	HOURS	PM

3-13

Enclosure (1)

	Yes	S/L	CCS	Marine Hours	20	Y
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### MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** Event performed live preferred/ simulator optional using the Combat Convoy Simulator (CCS) and/or Deployable Virtual Training Environment (DVTE).

MCMT-OPER-6004: Establish a tactical motor pool (S/L)

# SUPPORTED MET(S):

MCT 4.2 MCT 4.3

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

CONDITION: Provided with the requirement, equipment and personnel.

**STANDARD:** Safely meeting operational requirement with no injury to personnel or damage to equipment.

#### EVENT COMPONENTS:

- 1. Conduct site recon.
- 2. Prepare a security plan.
- 3. Develop space requirements for equipment.
- 4. Develop space requirements for facilities.
- 5. Manage hazardous materials/waste.
- 6. Construct road network requirements.
- 7. Prepare a defense plan.
- 8. Create a fire prevention plan.
- 9. Observe environmental considerations.

### **REFERENCES:**

- 1. ATP 4-11 Army Motor Transport Operations
- 2. MCO P4790.2\_ MIMMS Field Procedures Manual
- 3. MCTP 3-40E Maintenance Operations

#### CHAINED EVENTS:

**INTERNAL SUPPORTING EVENTS:** MCMT-OPER-5003

#### SUPPORT REQUIREMENTS:

### SIMULATION EVALUATION:

SIMULATED	SUITABILITY	SIMULATOR	UNIT OF MEASURE	HOURS	PM
Yes	S/L	DVTE	Marine Hours	8	Y
Yes	S/L	TDK	Marine Hours	8	Ν
MCMT-OPER-6005: Direct fueling operations (S/L)

#### SUPPORTED MET(S):

MCT 4.2.2.8 MCT 4.3.3

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

CONDITION: Given a mission requirement, personnel and equipment.

**STANDARD:** To accomplish operational requirements.

# EVENT COMPONENTS:

- 1. Assess operational situation.
- 2. Assign the mission.
- 3. Monitor the fueling/defueling operation.

#### **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. DCAM 4145.11 Storage & Handling of Hazardous Material
- 4. DOD 4140.25 Management of Bulk Petroleum Products, Storage and Distribution Facilities
- 5. DOD 4500.9-R Defense Transportation Regulation (DTR)
- 6. FM 21-305 Manual for Wheeled Vehicle Driver
- 7. FM 55-30 Army Motor Transport Units and Operations
- 8. FM 7-28 Jungle Operations
- 9. FMFM 7-29 Mountain Operations
- 10. MCO P5090.2\_ Environmental Compliance and Protection Manual
- 11. MCRP 3-35.1D Cold Region Operations
- 12. MCRP 3-40F.7 Multi-Service Tactics, Techniques, and Procedures for Tactical Convoy Operations (TCO)
- 13. MCRP 4-11.3F Convoy Operations Handbook
- 14. MCRP 4-11.6 Petroleum and Water Logistics Operations
- 15. MCRP 4-11B Environmental Considerations
- 16. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
- 17. MCWP 3-35.6 Desert Operations
- 18. MIL-HDBK-844A Aircraft Refueling Handbook for Navy and Marine Corps aircraft
- 19. NAVMC DIR 5100.8\_ Marine Corps Occupational Safety and Health (OSH) Program Manual
- 20. NAVSEA SWO20-AF-ABK-010 Motor Vehicle Driver and Shipping Inspector's Manual for Ammunition, Explosives and Related Hazardous Materials
- 21. SW020-AC-SAF-010 Transportation and Storage Data for Ammunition, Explosives and Related Hazardous Materials
- 22. TM 11240-15/3\_ Tactical Motor Transport Licensing Official's Manual
- 23. TM 4700-15/1\_ Ground Equipment Record Procedures
- 24. TM 5-848-2 Handling of Aircraft and Automotive Fuels

#### CHAINED EVENTS:

**INTERNAL SUPPORTING EVENTS:** MCMT-OPER-5004

# SUPPORT REQUIREMENTS:

#### SIMULATION EVALUATION:

SIMULATED	SUITABILITY	SIMULATOR	UNIT OF MEASURE	HOURS	PM
Yes	S/L	MTWS	Unit Hours	8	Y

#### 3008. INDEX OF 5000 LEVEL EVENTS

Event Code	E-Coded	Event	Page
5000 Level Events			
MCMT-MAIN-5005	NO	Employ maintenance platoon	3-16
MCMT-OPER-5002	YES	Conduct convoy operations	3-17
MCMT-OPER-5003	NO	Establish a tactical motor pool	3-18
MCMT-OPER-5004	NO	Conduct fueling operations	3-19

# 3009. 5000 LEVEL EVENTS

MCMT-MAIN-5005: Employ maintenance platoon

#### SUPPORTED MET(S):

MCT 4.2	MCT 4.2.2	MCT 4.2.2.1
MCT 4.2.2.2	MCT 4.2.2.4	MCT 4.2.2.5
MCT 4.2.2.8	MCT 4.3.3	

#### EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 6 months

READINESS-CODED: NO

**DESCRIPTION:** The maintenance platoon supports for organizational and intermediate tasks. The maintenance platoon consists of skillfully trained maintenance technicians with tools, test equipment, technical publications, and repair parts required to manage maintenance operations.

CONDITION: Given a requirement, personnel, equipment, and the references.

**STANDARD:** To assess equipment failure, repair and/or recover in order to meet mission requirements.

#### EVENT COMPONENTS:

- 1. Analyze the requirement(s).
- 2. Determine required resources.
- 3. Perform pre-operations checks.
- 4. Proceed to location(s).
- 5. Provide maintenance support.
- 6. Evacuate equipment assets, as needed.
- 7. Conduct de-briefs, as required.

# **REFERENCES:**

1. AIETM Applicable Interactive Electronic Technical Manual

2. AMTE-LI Applicable Motor Transport Equipment Lubrication Instruction (LI)

3. AMTE-LO Applicable Motor Transport Equipment Lubrication Order (LO)

- 4. AMTE-OM Applicable Motor Transport Equipment Operator Manuals (OM)
- 5. AMTE-SL Applicable Motor Transport Equipment Stock Listing (SL)
- 6. MCTP 3-40E Maintenance Operations

#### CHAINED EVENTS:

# INTERNAL SUPPORTING EVENTS:

INTERNE BOTTORITING BUBRIES.		
3521-ADVM-2001	3521-ADVM-2002	3521-ADVM-2003
3521-ADVM-2004	3521-ADVM-2005	3521-ADVM-2006
3521-ADVM-2007	3521-ADVM-2008	3521-ADVM-2009
3521-ADVM-2010	3521-ADVM-2011	3521-ADVM-2012
3521-ADVM-2013	3521-ADVM-2014	3521-ADVM-2015
3521-ADVM-2016	3521-ADVM-2017	3521-ADVM-2018
3521-ADVM-2019	3521-MAIN-1001	3521-MAIN-1002
3521-MAIN-1003	3521-MAIN-1004	3521-MAIN-1005
3521-MAIN-1006	3521-MAIN-1007	3521-MAIN-1008
3521-MAIN-1009	3521-MAIN-1010	3521-MAIN-1011
3521-MAIN-1012	3521-MAIN-1013	3521-MAIN-1014
3521-MAIN-1015	3521-MAIN-1016	3521-MAIN-1018
3521-MAIN-2016	3524-MAIN-2001	3524-MAIN-2002
3524-MAIN-2003	3524-MAIN-2004	3524-MAIN-2005
3524-MAIN-2006	3524-MAIN-2008	3524-MAIN-2009
3524-MAIN-2010	3524-MAIN-2011	3524-MAIN-2012
3524-MAIN-2013	3526-MAIN-2001	3526-MAIN-2002
3526-MAIN-2003	3526-MAIN-2004	3526-MAIN-2005
3526-MAIN-2006	3526-MAIN-2007	3526-MAIN-2008
3526-MAIN-2009	3526-MAIN-2010	3526-MAIN-2011
3526-MAIN-2012	3526-MAIN-2013	3526-MAIN-2014
3526-MAIN-2015	3526-MAIN-2016	3526-MAIN-2017
3526-MAIN-2018	3526-MAIN-2019	3526-MAIN-2020
3526-MAIN-2021	3526-MAIN-2022	3526-MAIN-2023
3526-MAIN-2024	3526-MAIN-2025	3526-MAIN-2026
3526-MAIN-2027		

MCMT-OPER-5002: Conduct convoy operations

#### SUPPORTED MET(S):

MCT 4.3 MCT 4.3.3

**EVALUATION-CODED:** YES **SUSTAINMENT INTERVAL:** 6 months

READINESS-CODED: NO

**CONDITION:** Given a mission, personnel, and equipment.

**STANDARD:** To arrive safely at a determined location with all required equipment and personnel.

# EVENT COMPONENTS:

- 1. Analyze the order.
- 2. Read the intelligence reports.
- 3. Determine convoy requirements.
- 4. Determine IED threat.

- 5. Organize the convoy in march order
- 6. Inspect cargo loads.
- 7. Develop a convoy commander's brief.
- 8. Conduct a convoy commander's brief.
- 9. Direct the movement of the convoy using navigational devices.
- 10. Conduct a debrief.
- 11. Prepare a convoy commander's after action report.

#### **REFERENCES:**

- 1. ATP 4-11 Army Motor Transport Operations
- 2. FM 21-305 Manual for Wheeled Vehicle Driver
- 3. FM 55-30 Army Motor Transport Units and Operations
- 4. Local SOP Local SOP
- 5. MCRP 3-40E.1 Recovery and Battle Damage Assessment and Repair (BDAR)
- 6. MCRP 3-40F.7 Multi-Service Tactics, Techniques, and Procedures for Tactical Convoy Operations (TCO)
- 7. MCRP 4-11.3F Convoy Operations Handbook
- 8. MCTP 3-40E Maintenance Operations
- 9. MCTP 8-10B How to Conduct Training
- 10. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
- 11. MSTP PAM 4-0.1 Movement Control

# CHAINED EVENTS:

#### INTERNAL SUPPORTING EVENTS:

3510-OPER-2101	3531-ADMN-2101	3531-ADMN-2102
3531-OPER-1001	3531-OPER-1002	3531-OPER-2003
3531-OPER-2004	3531-OPER-2005	3531-OPER-2009
3531-OPER-2010	3531-OPER-2013	3531-OPER-2013
3531-OPER-2015	3531-OPER-2016	3531-OPER-2203
3531-OPER-2212	3531-OPER-2213	3531-OPER-2214
3534-OPER-2001	3536-OPER-2001	3537-ADMN-2004
3537-ADMN-2102	3537-MAIN-2101	3537-MAIN-2102
3537-OPER-2305	3537-OPER-2306	

# SUPPORT REQUIREMENTS:

#### SIMULATION EVALUATION:

SIMULATED	SUITABILITY	SIMULATOR	UNIT OF MEASURE	HOURS	PM
Yes	S/L	CCS	Marine Hours	40	Ν

#### MISCELLANEOUS:

#### ADMINISTRATIVE INSTRUCTIONS:

Event performed live preferred/ simulator optional.

MCMT-OPER-5003: Establish a tactical motor pool

# SUPPORTED MET(S):

MCT 4.2 MCT 4.3.3

# EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

### READINESS-CODED: NO

CONDITION: Provided with the requirement, equipment and personnel.

**STANDARD:** Safely meeting operational requirement with no injury to personnel or damage to equipment.

#### EVENT COMPONENTS:

- 1. Conduct site recon.
- 2. Establish security.
- 3. Develop space requirements for facilities.
- 4. Determine basic area requirements.
- 5. Determine emergency exits.
- 6. Determine a fire prevention plan.
- 7. Determine physical security requirements.
- 8. Develop a defense plan.
- 9. Determine environmental considerations.

#### **REFERENCES:**

- 1. ATP 4-11 Army Motor Transport Operations
- 2. FM 55-30 Army Motor Transport Units and Operations
- 3. MCO P4790.2\_ MIMMS Field Procedures Manual
- 4. MCTP 3-40E Maintenance Operations
- 5. MCTP 8-10B How to Conduct Training
- 6. MCWP 4-11.4 Maintenance Operations

## CHAINED EVENTS:

# INTERNAL SUPPORTING EVENTS:

3510-ADMN-2101	3529-ADMN-2003	3531-OPER-1001
3531-OPER-1002	3531-OPER-1003	3531-OPER-1004
3531-OPER-1005	3531-OPER-1006	3531-OPER-1007
3537-ADMN-2001	3537-ADMN-2002	3537-ADMN-2003
3537-ADMN-2006	3537-ADMN-2007	3537-OPER-2304
3537-OPER-2307	3537-OPER-2308	

#### MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** Planning should include: forms of defense: sector, perimeter, linear, non-linear, reverse slope, defensive recon considerations, etc. 2. Integration of fires should include: Long range fires, close supporting fires, and final protective fires. 3. Security plan: should be commenced as early as possible, even during the leader's recon if able.

MCMT-OPER-5004: Conduct fueling operations

# SUPPORTED MET(S):

MCT 4.2.2.8 MCT 4.3.3

# EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

#### READINESS-CODED: NO

CONDITION: Provided with the requirement, equipment and personnel.

**STANDARD:** To safely meet operational requirements with no injury to personnel or damage to equipment.

# EVENT COMPONENTS:

- 1. Prepare system for loading.
- 2. Load system on motor transport equipment.
- 3. Load fuel into system.
- 4. Recirculate fuels as required.
- 5. Transport fuel delivery system.
- 6. Ground system as required.
- 7. Dispense fuel.
- 8. Perform emergency shutdown procedures as required.

# **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. DCAM 4145.11 Storage & Handling of Hazardous Material
- 4. DOD 4140.25 Management of Bulk Petroleum Products, Storage and Distribution Facilities
- 5. DOD 4500.9-R Defense Transportation Regulation (DTR)
- 6. FM 21-305 Manual for Wheeled Vehicle Driver
- 7. FM 55-30 Army Motor Transport Units and Operations
- 8. FM 7-28 Jungle Operations
- 9. FMFM 7-29 Mountain Operations
- 10. MCO P5090.2\_ Environmental Compliance and Protection Manual
- 11. MCRP 3-35.1D Cold Region Operations
- 12. MCRP 3-40F.7 Multi-Service Tactics, Techniques, and Procedures for Tactical Convoy Operations (TCO)
- 13. MCRP 4-11.3F Convoy Operations Handbook
- 14. MCRP 4-11.6 Petroleum and Water Logistics Operations
- 15. MCRP 4-11B Environmental Considerations
- 16. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
- 17. MCWP 3-35.6 Desert Operations
- 18. MIL-HDBK-844A Aircraft Refueling Handbook for Navy and Marine Corps aircraft
- 19. NAVMC DIR 5100.8\_ Marine Corps Occupational Safety and Health (OSH) Program Manual
- 20. NAVSEA SWO20-AF-ABK-010 Motor Vehicle Driver and Shipping Inspector's Manual for Ammunition, Explosives and Related Hazardous Materials
- 21. SW020-AC-SAF-010 Transportation and Storage Data for Ammunition, Explosives and Related Hazardous Materials
- 22. TM 11240-15/3\_ Tactical Motor Transport Licensing Official's Manual
- 23. TM 4700-15/1\_ Ground Equipment Record Procedures
- 24. TM 5-848-2 Handling of Aircraft and Automotive Fuels

#### CHAINED EVENTS:

#### INTERNAL SUPPORTING EVENTS:

MCMT-OPER-3003

MCMT-OPER-3003

# 3010. INDEX OF 3000 LEVEL EVENTS

Event Code	E-	Event	Page
	Coded		
		3000 Level Events	
MCMT-LIC-3001	NO	Perform licensing	3-21
MCMT-MAIN-3004	YES	Conduct recovery operations	3-22
MCMT-MAIN-3005	NO	Employ mobile maintenance teams	3-22
MCMT-OPER-3001	YES	Conduct movement control	3-24
MCMT-OPER-3002	NO	Conduct refueling operations (S/L)	3-24
MCMT-OPER-3003	YES	Conduct recovery operations	3-25
MCMT-WPNS-3001	NO	Employ crew-serve weapons in the defense	3-26
		of a tactical motor pool. (S/L)	

#### 3011. 3000 LEVEL EVENTS

MCMT-LIC-3001: Perform licensing

SUPPORTED MET(S): MCT 4.3.3

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

CONDITION: Given a requirement, personnel, references, forms and equipment.

**STANDARD:** To accomplish operational requirements.

# EVENT COMPONENTS:

- 1. Process applicants pre-qualification screening for license.
- 2. Validate operational records.
- 3. Conduct testing.
- 4. Submit formal correspondence.
- 5. Manage the disposition of records.

#### **REFERENCES:**

- 1. Local SOP Local Standard Operating Procedures
- 2. MCO 11240.118\_ Licensing Program for Tactical Wheeled Motor Transport Equipment Operators
- 3. TM 11240-15/3\_ Tactical Motor Transport Licensing Official's Manual

# CHAINED EVENTS:

#### INTERNAL SUPPORTING EVENTS:

3531-OPER-1001	3531-OPER-1002	3531-OPER-1004
3531-OPER-1005	3531-OPER-1006	3531-OPER-1007
3531-OPER-2006	3531-OPER-2015	3531-OPER-2018
3537-ADMN-2004	3537-ADMN-2005	

MCMT-MAIN-3004: Conduct recovery operations

SUPPORTED MET(S):

MCT 4.2 MCT 4.2.2.8 MCT 4.3

EVALUATION-CODED: YES SUSTAINMENT INTERVAL: 6 months

READINESS-CODED: NO

**CONDITION:** Given a requirement, personnel, equipment, and the references.

**STANDARD:** Moving the disabled equipment to a designated location without injury to personnel or further damage to equipment IAW MCRP 4-11.4.

## EVENT COMPONENTS:

- 1. Analyze the requirement(s).
- 2. Determine required resources.
- 3. Perform operations checks.
- 4. Proceed to location(s).
- 5. Assess the situation.
- 6. Conduct retrievals.
- 7. Evacuate equipment assets, as needed.
- 8. Conduct de-briefs, as required.

#### **REFERENCES:**

- 1. AIETM Applicable Interactive Electronic Technical Manual
- 2. AMTE-LI Applicable Motor Transport Equipment Lubrication Instruction (LI)
- 3. AMTE-LO Applicable Motor Transport Equipment Lubrication Order (LO)
- 4. AMTE-OM Applicable Motor Transport Equipment Operator Manuals (OM)
- 5. AMTE-SL Applicable Motor Transport Equipment Stock Listing (SL)
- 6. FM 5-125 Rigging Techniques, Procedures and Applications
- 7. MCRP 3-40E.1 Recovery and Battle Damage Assessment and Repair (BDAR)
- 8. MCRP 4-11.3F Convoy Operations Handbook
- 9. MCTP 3-40E Maintenance Operations

MCMT-MAIN-3005: Employ mobile maintenance teams

#### SUPPORTED MET(S):

MCT 4.2	MCT 4.2.2	MCT 4.2.2.1
MCT 4.2.2.2	MCT 4.2.2.4	MCT 4.2.2.5
MCT 4.2.2.8	MCT 4.3.3	

# EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 6 months

#### READINESS-CODED: NO

**DESCRIPTION:** The maintenance contact and maintenance support teams are key elements of maintenance support for organizational and intermediate tasks. The teams consist of skillfully trained maintenance technicians with tools, test equipment, technical publications, and repair parts required to manage limited maintenance operations.

CONDITION: Given a requirement, personnel, equipment, and the references.

**STANDARD:** To assess equipment failure, repair and/or recover in order to meet mission requirements.

# EVENT COMPONENTS:

- 1. Analyze the requirement(s).
- 2. Determine required resources.
- 3. Perform pre-operations checks.
- 4. Proceed to location(s).
- 5. Provide maintenance support.
- 6. Evacuate equipment assets, as needed.
- 7. Conduct de-briefs, as required.

# **REFERENCES:**

- 1. AIETM Applicable Interactive Electronic Technical Manual
- 2. AMTE-LI Applicable Motor Transport Equipment Lubrication Instruction (LI)
- 3. AMTE-LO Applicable Motor Transport Equipment Lubrication Order (LO)
- 4. AMTE-OM Applicable Motor Transport Equipment Operator Manuals (OM)
- 5. AMTE-SL Applicable Motor Transport Equipment Stock Listing (SL)
- 6. MCTP 3-40E Maintenance Operations

## CHAINED EVENTS:

#### INTERNAL SUPPORTING EVENTS:

3510-ADMN-2101	3510-ADMN-2102	3510-ADMN-2103
3510-MAIN-2101	3510-MAIN-2102	3510-MAIN-2102
3510-MAIN-2103	3510-MAIN-2404	3510-MAIN-2405
3510-OPER-2101	3521-ADVM-2001	3521-ADVM-2002
3521-ADVM-2003	3521-ADVM-2004	3521-ADVM-2005
3521-ADVM-2006	3521-ADVM-2007	3521-ADVM-2008
3521-ADVM-2009	3521-ADVM-2010	3521-ADVM-2011
3521-ADVM-2012	3521-ADVM-2013	3521-ADVM-2014
3521-ADVM-2015	3521-ADVM-2016	3521-ADVM-2017
3521-ADVM-2018	3521-ADVM-2019	3521-MAIN-1001
3521-MAIN-1002	3521-MAIN-1003	3521-MAIN-1004
3521-MAIN-1005	3521-MAIN-1006	3521-MAIN-1007
3521-MAIN-1008	3521-MAIN-1009	3521-MAIN-1010
3521-MAIN-1011	3521-MAIN-1012	3521-MAIN-1013
3521-MAIN-1014	3521-MAIN-1015	3521-MAIN-1016
3521-MAIN-1018	3521-MAIN-2016	3524-MAIN-2001
3524-MAIN-2002	3524-MAIN-2003	3524-MAIN-2004
3524-MAIN-2005	3524-MAIN-2006	3524-MAIN-2008
3524-MAIN-2009	3524-MAIN-2010	3524-MAIN-2011
3524-MAIN-2012	3524-MAIN-2013	3526-MAIN-2001
3526-MAIN-2002	3526-MAIN-2003	3526-MAIN-2004
3526-MAIN-2005	3526-MAIN-2006	3526-MAIN-2007
3526-MAIN-2008	3526-MAIN-2009	3526-MAIN-2010
3526-MAIN-2011	3526-MAIN-2012	3526-MAIN-2013
3526-MAIN-2014	3526-MAIN-2015	3526-MAIN-2016
3526-MAIN-2017	3526-MAIN-2018	3526-MAIN-2019
3526-MAIN-2020	3526-MAIN-2021	3526-MAIN-2022
3526-MAIN-2023	3526-MAIN-2024	3526-MAIN-2025
3526-MAIN-2026	3526-MAIN-2027	3529-ADMN-2001
3529-ADMN-2002	3529-ADMN-2002	3529-ADMN-2005
3529-ADMN-2102	3529-ADMN-2104	3529-ADMN-2104
3529-MAIN-2201	3529-MAIN-2203	3529-MAIN-2203

MCMT-OPER-3001: Conduct movement control

#### SUPPORTED MET(S):

MCT 4.3 MCT 4.3.3

EVALUATION-CODED: YES SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

CONDITION: Given a requirement and area of operation.

STANDARD: To achieve operational objective IAW mission requirements.

## EVENT COMPONENTS:

- 1. Implement principles of movement control.
- 2. Implement functions of movement control.
- 3. Determine other considerations of movement control.
- 4. Coordinate with movement control agencies.
- 5. Conduct transportation planning.
- 6. Manage coordination, allocation and routing.
- 7. Coordinate In-Transit Visibility.

## **REFERENCES:**

- 1. ATP 4-16 Movement Control
- 2. MSTP PAM 4-0.1 Movement Control
- MCMT-OPER-3002: Conduct refueling operations (S/L)

# SUPPORTED MET(S):

MCT 4.3 MCT 4.3.3

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 6 months

READINESS-CODED: NO

CONDITION: Given a requirement, personnel, equipment, and the references.

**STANDARD:** Ensuring that the proper fuel is dispensed into equipment without injury to personnel or damage to equipment to meet mission requirements.

#### EVENT COMPONENTS:

- 1. Analyze the requirement(s).
- 2. Determine required resources.
- 3. Perform operations checks.
- 4. Proceed to location(s).
- 5. Refuel ground/air equipment, as required.
- 6. Update fuel logs.
- 7. Submit reports to HHQ, as needed.

#### **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. DCAM 4145.11 Storage & Handling of Hazardous Material

- 3. DOD 4140.25 Management of Bulk Petroleum Products, Storage and Distribution Facilities
- 4. DOD 4900.9R Defense Transportation Regulations (DTR)
- 5. MCO P5090.2\_ Environmental Compliance and Protection Manual
- 6. MCRP 12-10A.4 Cold Region Operations
- 7. MCTP 12-10A Mountain Warfare Operations
- 8. MCTP 12-10C Jungle Operations
- 9. MCTP 12-10D Desert Operations
- 10. MCTP 3-40F Transportation Operations
- 11. MIL-HDBK-844A Aircraft Refueling Handbook for Navy and Marine Corps aircraft
- 12. NAVMC Dir 5100.8 Marine Corps Ground Occupational Safety and Health Program
- 13. NAVSEA SW020-AF-HBK-010 Motor Vehicle Driver and Shipping Inspector's Handbook for Ammunition, Explosives and Related Hazardous Materials
- 14. SW020-AC-SAF-010 Transportation and Storage Data for Ammunition, Explosives and Related Hazardous Materials
- 15. TC 21-305-20 Manual for the Wheeled Vehicle Operator
- 16. TM 11240-15/3\_ Tactical Motor Transport Licensing Official's Manual
- 17. TM 4700-15/1H Ground Equipment Record Procedures
- 18. TM 5-848-2 Handling of Aircraft and Automotive Fuels

#### CHAINED EVENTS:

#### INTERNAL SUPPORTING EVENTS:

3510-OPER-2102	3510-OPER-2105	3510-OPER-2105
3531-ADMN-2101	3531-ADMN-2102	3531-OPER-2008
3537-ADMN-2004	3537-OPER-2302	3537-OPER-2303
3537-OPER-2304		

#### SUPPORT REQUIREMENTS:

#### SIMULATION EVALUATION:

SIMULATED	SUITABILITY	SIMULATOR	UNIT OF MEASURE	HOURS	PM
Yes	S/L	MTWS	Unit Hours	12	Y

## MCMT-OPER-3003: Conduct recovery operations

 SUPPORTED MET(S):

 MCT 4.2.2.8
 MCT 4.3.3

EVALUATION-CODED: YES SUSTAINMENT INTERVAL: 6 months

#### READINESS-CODED: NO

**DESCRIPTION:** Owning units retrieve or arrange to retrieve immobile, inoperative, and/or abandoned materiel. The owning units objective is to recover equipment to its maintenance collection point, to a main supply route, or to the Combat Service Support Area (CSSA) maintenance site. CONDITION: Given a requirement, personnel, equipment, and the references.

**STANDARD:** Moving the disabled equipment to a designated location without injury to personnel or further damage to equipment.

#### EVENT COMPONENTS:

- 1. Analyze the requirement(s).
- 2. Determine required resources.
- 3. Perform operations checks.
- 4. Proceed to location(s).
- 5. Assess the situation.
- 6. Conduct retrievals.
- 7. Evacuate equipment assets, as needed.
- 8. Conduct de-briefs, as required.

# **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. AMTE-LI Applicable Motor Transport Equipment Lubrication Instruction (LI)
- 4. AMTE-LO Applicable Motor Transport Equipment Lubrication Order (LO)
- 5. AMTE-OM Applicable Motor Transport Equipment Operator Manuals (OM)
- 6. AMTE-SL Applicable Motor Transport Equipment Stock Listing (SL)
- 7. FM 5-125 Rigging Techniques, Procedures and Applications
- 8. MCRP 4-11.3F Convoy Operations Handbook
- 9. MCRP 4-11.4A Recovery and Battle Damage Assessment and Repair
- 10. MCWP 4-11.4 Maintenance Operations

#### CHAINED EVENTS:

#### INTERNAL SUPPORTING EVENTS:

3531-ADMN-2101	3531-ADMN-2102	3531-OPER-1002
3531-OPER-2010	3531-OPER-2016	3531-OPER-2201
3531-OPER-2203	3534-OPER-2001	3537-ADMN-2004

MCMT-WPNS-3001: Employ crew-serve weapons in the defense of a tactical motor pool. (S/L)

# SUPPORTED MET(S):

MCT 4.2.2.6 MCT 4.2.2.8 MCT 4.3 MCT 4.3.3

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

#### READINESS-CODED: NO

**<u>CONDITION</u>**: As a member of a crew served weapon team, given a mission, optics and all associated equipment, binoculars, ammunition, mission, an assigned sector, commander's intent and a scheme of maneuver, while wearing a fighting load.

3-26

STANDARD: To repel an enemy attack against a tactical motor pool.

#### EVENT COMPONENTS:

1. Conduct a reconnaissance of the area.

- 2. Establish primary positions.
- 3. Clear fields of fire.
- 4. Identify dead space and report to higher as appropriate.
- 5. Establish alternate positions.
- 6. Establish supplementary positions.
- 7. Improve positions.
- 8. Integrate the security of the crew with parent or adjacent units.
- 9. Prepare range cards.
- 10. Establish and maintain communications with adjacent team and unit commander.
- 11. Challenge unidentified personnel.
- 12. Adhere to fire commands to engage enemy personnel and vehicles within assigned sector.
- 13. Displace to alternate or supplementary position as ordered.
- 14. Terminate the engagement and redistribute ammunition as required.
- 15. Maintain surveillance to the front, flank, and rear.
- 16. Perform individual continuing actions.
- 17. Displace guns as required.

# **REFERENCES:**

- 1. FM 3-22.27 Mk 19 40mm Grenade Machine Gun Mod 3
- 2. FM 3-22.65 Browning Machine Gun, Caliber .50 HB, M2
- 3. FM 3-22.68 Crew-Served Machine Guns
- 4. MCTP 3-03A Marine Air-Ground Task Force Civil-Military Operations

# SUPPORT REQUIREMENTS:

### SIMULATION EVALUATION:

SIMULATED	SUITABILITY	SIMULATOR	UNIT OF MEASURE	HOURS	PM
Yes	S/L	I-TESS (Individual)	Marine Hours	1	Ν
Yes	S	SAVT	Team Hours	2	Ν

#### ORDNANCE:

DODIC		QUANTITY
A059 Cartridge,	5.56mm Ball M855 10/Clip	30 rounds per
		Marine
A062 Cartridge,	5.56mm Ball M855 Linked	800 rounds per
		weapon
A064 Cartridge,	5.56mm 4 Ball M855/1 Tracer M856	800 rounds per
Linked		weapon
A131 Cartridge,	7.62mm 4 Ball M80/1 Tracer M62	800 rounds per
Linked		weapon
A143 Cartridge,	7.62mm Ball M80 Linked	800 rounds per
		weapon
A151 Cartridge,	7.62mm 4 Ball/1 Tracer Linked	800 rounds per
		weapon
A576 Cartridge,	Caliber .50 4 API M8/1 API-T M20	600 rounds per
Linked		weapon
A598 Cartridge,	Caliber .50 Blank M1A1 Linked	600 rounds per
		unit
B542 Cartridge,	40mm HEDP M430/M430A1 Linked	144 rounds per

NAVMC 3500.39D 07 Jun 2019

Weapon BA21 Cartridge, 40mm Practice (Day/Night) MK281 Mod 1 Linked weapon

# RANGE/TRAINING AREA:

Facility Code 17410 Maneuver/Training Area, Light Forces Facility Code 17581 Machine Gun Field Fire Range

# MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** Range cards completed within 30 minutes. 2. Actions on the objective may include execution of engagement criteria and application of target precedence.

**SIMULATION:** This event can be trained/augmented through the use of the following enablers: LIVE - ITESS, TVCS, ITT, TGTS, BES VIRTUAL/CONSTRUCTIVE - SAVT, CCS, DVTE (VBS2, CAN)

# MOTOR-T T&R MANUAL

# CHAPTER 4

# MOS 3510 INDIVIDUAL EVENTS

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MOS 3510 BILLET DESCRIPTION / CORE CAPABILITIES	. 4002	4-2
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# MOTOR-T T&R MANUAL

#### CHAPTER 4

#### MOS 3510 INDIVIDUAL EVENTS

**4000. PURPOSE.** This chapter details the individual events that pertain to the Motor Transport Maintenance Officer. Each individual event provides an event title, along with the conditions events will be performed under, and the standard to which the event must be performed to be successful.

## 4001. EVENT CODING

Events in this T&R Manual are depicted with an up to 12-character, 3-field alphanumeric system, i.e. XXXX-XXXX. This chapter utilizes the following methodology:

a. Field one. This field represents the community. This chapter contains the following community codes:

Code	Descr	iption		
3510	Motor	Transport	Maintenance	Officer

b. Field two. This field represents the functional/duty area. This chapter contains the following functional/duty areas:

Code	Description
ADMN	Administration
LIC	Licensing
MAIN	Maintenance
OPER	Operate
AMPH	Amphibious Operations
MPF	Maritime Preposition Force
TRNG	Training

c. Field three. This field provides the level at which the event is accomplished and numerical sequencing of events. This chapter contains the following event levels:

Code	Desci	riptio	on
2000	Core	Plus	Skills

#### 4002. MOS 3510 BILLET DESCRIPTION / CORE CAPABILITIES

**CAREER PROGRESSION PHILOSOPHY:** The Motor Transport Maintenance Officer will complete the Motor Transport Maintenance Officer's Course (MTMOC) Camp Johnson, NC. Upon graduation, the Motor Transport Maintenance Officer will conduct additional 2000-Level training while assigned in a variety of billets. 2000-Level training continues through completion of Professional Military Education (PME), available through seminar and distance learning courses. **BILLET:** Motor Transport Maintenance Officer/Platoon Commander. The 3510 must maintain the capabilities of core skills obtained at the Motor Transport Maintenance Officer's Course. The 3510 must be proficient in the employment of all organic maintenance support equipment and automated information systems used in the execution of maintenance operations at the unit level.

Core Capabilities:

1. Serve as a technical advisor to the Commander.

2. Command the platoon.

3. Prepare, train, and lead platoon in an austere, chaotic, uncertain, mentally and physical demanding environment.

4. Maintain the accountability, welfare, and discipline of a platoon and assigned equipment.

5. Make operational and training planning recommendations to the Commander.

6. Capable of employing attachments to the platoon.

7. Conduct operational risk management (ORM).

8. Conduct unit training management (UTM).

9. Mentor and develop subordinate leaders.

10. Perform the duties of a Load Test Certification Officer.

11. Supervise Automated Information System (AIS) functions.

12. Direct the handling and management of Hazardous Material (HAZMAT)/Hazardous Waste.

13. Maintain accountability of all assigned equipment.

14. Manage the functional areas of maintenance management.

15. Provide necessary licensing capability to support mission requirements.

16. Direct organizational and intermediate field level maintenance activities.

17. Direct shop safety programs.

18. Command convoy operations as required.

19. Conduct motor transport operations support.

- 20. Establish a tactical motor pool.
- 21. Direct tactical wheeled vehicle recovery operations.
- 22. Manage movement control.
- 23. Provide motor transport support for Maritime Preposition Force (MPF) operations.

24. Direct Quality Control.

**BILLET:** Motor Transport Officer, MAGTF HQ. The MEF Motor Transport Officer performs the general duties of a special staff officer under the cognizance of the assistant chief of staff, G-4. The MEF Motor Transport Officer leads the Motor Transport Section, MEF headquarters, which consists of the MEF Motor Transport Officer and a small administrative staff.

Core Capabilities:

1. Supervise the planning and technical training of motor transport related duties and programs across the MAGTF.

2. Coordinate planning for motor transport intelligence gathering and the dissemination thereof.

3. Conduct comprehensive analyses of all motor transport tasks required to implement the MAGTF commander's plan.

4. Maintain liaison with higher, lower, and adjacent commands pertaining to motor transport matters.

5. Analyze and evaluate motor transport capabilities throughout the MAGTF.
 6. Coordinate all motor transport support requirements and directing commitments, as appropriate, to organizations best capable of providing the support required.

 7. Monitor and provide technical supervision to all motor transport requirements, commitments, and movements within the MAGTF Movement Control Center (MMCC).
 8. Analyze AIS reports and records.
 9. Develop, coordinate, implement, and monitor command technical inspections for motor transport.
 10. Monitor motor transport combat readiness in all subordinate organizations of the command.
 11. Advise the MAGTF commander of all technical & tactical matters pertaining motor transport.
 12. Serve as the 35XX advocate for the MAGTF.

**BILLET:** Motor Transport Officer, DIV HQ. The division motor transport officer performs the general duties of a special staff officer under the cognizance of the assistant chief of staff, G-4. The division motor transport officer leads the motor transport section, division headquarters, which consists of the division motor transport officer and a small administrative staff.

Core Capabilities:

1. Coordinate planning for motor transport intelligence gathering and the dissemination thereof.

2. Conduct comprehensive analyses of all motor transport tasks required to implement the commander's plan.

3. Maintain liaison with higher, lower, and adjacent commands pertaining to motor transport matters.

4. Analyze and evaluating motor transport capabilities throughout the command.

5. Coordinate all motor transport support requirements and directing commitments, as appropriate, to organizations best capable of providing the support required.

6. Monitor and provide technical supervision to all motor transport requirements, commitments, and movements.

7. Supervise and coordinate the maintenance of required motor transport records and reports.

8. Develop, coordinate, implement, and monitor command technical inspections for motor transport.

9. Monitor motor transport combat readiness in all subordinate organizations of the command.

10. Advise commanders of all technical matters concerning motor transport.

**BILLET:** Maintenance Officer, CLB (MEU/DS). The 3510 must maintain the capabilities of core skills obtained at the Motor Transport Maintenance Officer's Course and during MOJT in previous billets in order to direct and supervise the organic and intermediate maintenance of all ground equipment organic to a MEU. The 3510 must be proficient in the employment of all maintenance support equipment, recovery assets, and automated information systems used in the execution of maintenance operations at the unit and intermediate levels.

#### Core Capabilities:

1. Serve as a technical adviser to the Commander on all maintenance functions involving organic and intermediate maintenance activity for the MEU's ground equipment.

2. Lead, mentor, and develop a Maintenance Detachment of various maintenance MOSs for all ground equipment organic to MEU to include Motor Transport and Ordnance recovery. 3. Supervise, delegate, and task maintenance operations for all phases of maintenance. 4. Supervise and plan maintenance workload based on priority, availability of parts, tools, equipment, personnel experience, and tactical situation. 5. Supervise the care, inspection, and maintenance of the unit's equipment. 6. Ensure maintenance performed, conforms to establish standards and equipment records are maintained IAW applicable orders and directives. 7. Task organize, train, and equip personnel IAW applicable orders and directives. 8. Plan and coordinate a program of resource management, including but not limited to; training and use of maintenance personnel, availability of tools, facilities, support equipment, availability and use of technical information, maintenance funding, contract maintenance, demand supported items, and resource information.

**BILLET:** Inspector - Instructor. Active duty support personnel who instruct and assist SMCR units to maintain a continuous state of readiness for mobilization; inspect and render technical advice in command functions including administration, logistical support, and public affairs; and execute such collateral functions as may be directed by higher authority. The majority of AC, AR, and Selected Reserve (SelRes) personnel are integrated into a single chain of command which passes from individual units through the appropriate MSC. These Marines are subject to deployment with their assigned unit in the event of mobilization.

#### Core Capabilities:

1. Coordinate and manage all intermediate level maintenance support to MARFORRES units located in respective AOR. 2. Inspect and render technical advice in command functions including administration, logistical support, and public affairs. 3. Serve as Casualty Assistance Calls Officer, appointed to represent the CMC with the next of kin (NOK) and conduct all three phases of a casualty call. 4. Perform Military Funeral Honors for eligible veterans upon request by the next of kin or authorized representative. 5. Plan, manage and supervise the training of SMCR personnel assigned. 6. Maintain accountability of all equipment and material assigned to I&I station 7. Provide oversight of all administrative/legal functions as well as supply and logistics operations in support of SMCR units and active duty support staff. 8. Manage and coordinate all functional areas of maintenance management. 9. Plan, coordinate and manage the use of maintenance resources to maximize equipment readiness and minimize repair cycle time. 10. Conduct detailed inspections of all functional areas of supply and maintenance.

**BILLET: MTMIC Instructor OIC**, MCCSSS Camp Johnson. The Instructor OIC oversees the development, implementation, and execution of 1000 and 2000 level individual Training and Readiness Standard events for the training of entry, intermediate, and advanced Motor Transport Maintenance Marines in MOS

3510 and 352X. The Instructor OIC serves as the SME for all Motor Transport related subjects for Logistics Operations School, MCCSSS, Camp Johnson.

Core Capabilities:

1. Serve as the SME for Motor Transport Maintenance training at the Formal Learning Center.

Supervise the training of 1000 and 2000 level formal T&R training events.
 Develop curriculum in support of 1000 and 2000 level formal T&R training events.

4. Ensure training of all assigned Motor Transport Marines in Instructor Development Courses and Curriculum Development Courses.

5. Ensure Staff Faculty Development Program involvement by all MTMIC personnel.

6. Participate in any T&R working groups, Motor Transport Advisory Groups, and any Motor Transport related working groups related to the Formal Learning Center

7. Identify training gaps related to entry, intermediate, and advanced level 3510 and 352X MOS training at the Formal Learning Center.

8. Identify training aid requirements for entry, intermediate, and advanced level 3510 and 352X MOS training at the Formal Learning Center.

9. Communicate with key operational and enterprise stakeholders IOT resolve new equipment integration into the Formal Learning Center.

**BILLET: MT Subject Matter Expert, PEO-LS.** The 3510 must maintain the capabilities of core skills obtained at the Motor Transport Maintenance Officer's Course. The 3510 must be proficient in the employment of all organic maintenance support equipment and automated information systems used in the execution of maintenance operations at the unit level.

Core Capabilities:

1. Serve as the Motor Transport SME for the Program Executive Officer IOT facilitate the acquisition process and sustainment efforts of planned and fielded equipment.

2. Provide operational insight for lifecycle sustainment planning of ground transportation equipment.

3. Coordinate with the Operational Forces (OpFor) on key issues that influence or impact the sustainability and reliability of equipment.

4. Communicate with key operational and enterprise stakeholders IOT resolve integration and functionality issues.

5. Provide enterprise leadership with programmatic configuration management and interface controls.

6. Coordinate contracted services in order to support the life cycle sustainment of motor transport equipment.

7. Serve as a liaison between the Programs and OpFor in order to support milestone objectives.

8. Participate in key acquisition events to ensure current OpFor perspective is considered in the decision process.

BILLET: Capabilities Integration Officer (CIO), HQMC CD&I (MT Med/Hvy). The 3510 must maintain the capabilities of core skills obtained at the Motor Transport Maintenance Officer's Course. The 3510 must be proficient in the employment of all organic maintenance support equipment and automated information systems used in the execution of maintenance operations at the unit level.

Core Capabilities:

1. Conduct complete enterprise wide AAO reviews for the MT medium and heavy fleets as part of their respective lifecycle management or as a result of environmental, strategic, and/or fiscal inputs to the TFSP (e.g., CMC directed FSRG, FORG, Lighten the MAGTF, Ground Combat Tactical Vehicle Study, Baseline MEB, etc.).

2. Review changes proposed to unit-level T/Es effecting the AAO for the MT medium or heavy fleets at the enterprise level and consider lifecycle management and the future planned replacements/capabilities.

3. In close coordination with, PM, WSM, and I&L determine if each respective TAMCN is suitable to be held in storage as part of the WRMR.

4. Annually, to maintain accuracy of requirements data, review the defined MPF requirements, populated at the UIC level in the "MP" UIC series staffed by DC I&L for repopulation into Marine Corps Prepositioning Information Center 2.0 "MCPIC 2.0".

5. Annually, to maintain accuracy of requirements data, review the defined MCPP-N requirements, populated at the UIC level in the "MN" UIC series staffed by DC I&L for repopulation into Marine Corps Prepositioning Information Center 2.0 "MCPIC 2.0".

6. Annually, to maintain accuracy of requirements data, review the calculated WRMR-I requirement quantities, and return discrepancies to MARCORLOGCOM for adjudication within WRS.

7. Serve as the Capability Integration Division Representative and core member of all IPTs or advisory groups.

8. Ensure the AAO used to conduct the analysis for the manpower estimate or MPTP is the AAO in TFSMS, which is the authoritative source for all USMC equipment requirements.

9. Assist with clarification of matters relating to the SON, the CDDs or the COE, as required in the development of acquisition manpower estimate and/or MPTP documents.

10. As part of the JCIDS process ensure, Initial Capabilities Documents, CDDs, SONs, and Capability Production Documents are accurate and contain as much information as possible to facilitate manpower estimate and MPTP development.

11. Provide insight on matters dealing with capability needs statement requirements and CBA to include CONOPS, COE, manning, training, and maintenance concepts.

12. Provide insight on matters dealing with capability needs statement requirements and CBA to include CONOPS, COE, manning, training, and maintenance concepts.

13. Advocate and serve as liaison with Capabilities Development Directorate leadership for manpower estimate and MPTP decisions that may impact requirements.

14. Ensure manpower assumptions to include the CONOPS, COE, maintenance, training, and support functions are aligned with original CDDs.

**BILLET:** Motor Transport Advocate & Occupational Field Sponsor, HQMC DC I&L. The MT Advocate & OccFld Sponsor 3510 must maintain the capabilities of core skills obtained at the Motor Transport Maintenance Officer's Course. The 3510 must be proficient in the employment of all organic maintenance support equipment and automated information systems used in the execution of maintenance operations at the unit level.

# Core Capabilities:

1. Review proposed TOECRs and provide comments and recommendations on supportability of proposed changes from commands, activities, and staff agencies directly related to the motor transport occupational field. 2. Assist Total Force DOTMLPF&C Working Group analysis by providing occupational field expertise and assistance relating to manpower and equipment.

3. Revise applicable directives related to motor transport to ensure impacts on force structure are noted.

4. Attend the annual OccFld Manager and MOS Specialist Conference after assignment to the billet of OccFld Manager/Sponsor.

5. Determine requirements for formal training which do not result in a new primary MOS and forward such requirements to CG MCCDC (specifically, CG TECOM) during annual training input plan solicitations.

6. Review and comment on all primary MOS training requirements (initial and skill progression) produced by DC M&RA (MPP) prior to sending the requirements to CG MCCDC C465(CG TECOM) for inclusion in the training input plan.

7. Advise DC P&R and the TFSPO on manpower and equipment initiatives relating to respective OccFlds for inclusion in POM submissions as necessary.
8. Ensure current Marine Corps Orders (MCOs) and Marine Corps Bulletins (MCBuls) accurately reflect MOS duties, tasks, and prerequisites. Submit recommended additions of revisions to MCO 1200.18 and NAVMC 1200.1 in accordance with MCO 1200.15C to the CG MCCDC (specifically, CG TECOM).
9. Review and submit specific non-primary MOS motor transport related training requirements and training allocations to CG MCCDC (specifically, CG TECOM) for inclusion in the training input plan.

10. Ensure parent MARFORs, base, or station commanders are afforded the opportunity to provide comments or recommendations on proposed changes prior to submission for approval. The TFSPO will adjudicate unresolved non-concurrences between MOS specialists, HQMC agencies, and unit commanders. 11. Review and approve formal school training requirements changes for the training input plan "TIP" which are submitted (via DC M&RA for entry level schools) by MOS specialists before forwarding the changes to the CG MCCDC (CG TECOM). Changes to training plans which impact force structure will be coordinated with the TFSPO.

12. Review relevant MOS descriptions and requirements in the MOS Manual, ensure accuracy, and request revisions as necessary. Any revisions to an entry or other proposed change to MOS grade ranges, titles, type MOS, merges, deletions, or creation of new MOSs must be submitted to CD&I, specifically CG TECOM.

13. Serve as the principal agent responsible for recommending MOS grade structure modifications as a result of grade structure management actions coordinated by DC CD&I (TFSD) and DC M&RA (MPP or RAP as appropriate). 14. Serve as the principal point of contact between the TFSPO and the USMC with regards to force structure requirements, intended structure changes, and unique operational considerations which may affect force structure and result in motor transport assignment actions.

16. Review and comment on all primary MOS training requirements (initial and skill progression) produced by DC M&RA (MPP) prior to sending the requirements to CG MCCDC C465(CG TECOM) for inclusion in the training input plan.

Event Code	E-	Event	Page
	Coded		
3510-ADMN-2101	NO	Direct the handling and management of Hazardous Material (HAZMAT)/Hazardous Waste	4-9

# 4003. INDEX OF 2000-LEVEL EVENTS

3510-ADMN-2102	NO	Maintain equipment accountability	4-10
3510-ADMN-2103	NO	Manage the functional areas of maintenance	4-10
		management	
3510-AMPH-2101	NO	Direct motor transport support for	4-12
		amphibious operations.	
3510-LIC-2101	NO	Manage a licensing program	4-12
3510-MAIN-2101	NO	Manage maintenance production	4-13
3510-MAIN-2102	NO	Direct shop safety programs	4-14
3510-MAIN-2103	NO	Manage a load testing program	4-15
3510-MPF-2101	NO	Direct motor transport support for	4-15
		Maritime Preposition Force (MPF)	
		operations.	
3510-OPER-2101	NO	Manage functions of motor transport	4-16
		operations.	
3510-OPER-2102	NO	Conduct convoy operations.	4-17
3510-OPER-2103	NO	Produce motor transport operational	4-18
		planning documents.	
3510-OPER-2104	NO	Direct the establishment of a tactical	4-19
		motor pool.	
3510-OPER-2105	NO	Employ vehicle recovery capabilities	4-20
3510-OPER-2106	NO	Manage movement control	4-21
3510-TRNG-2101	NO	Participate in the Unit Training	4-21
		Management (UTM) process	

# 4004. 2000-LEVEL EVENTS

**3510-ADMN-2101:** Direct the handling and management of Hazardous Material (HAZMAT)/Hazardous Waste

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3510

GRADES: WO-1, CWO-2, CWO-3, CWO-4

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Given references, equipment, personnel, hazardous material / waste and a requirement.

**STANDARD**: To safely use, store and dispose of hazardous material/ waste without risk to personnel, equipment or environment.

# PERFORMANCE STEPS:

- 1. Identify hazardous material/waste.
- 2. Determine proper handling and storage procedures.
- 3. Manage proper clean up/collection procedures of hazardous material/waste.
- 4. Manage use of Personal Protective Equipment (PPE).
- 5. Manage the proper disposition of hazardous material/waste.

# REFERENCES:

1. CFR 29 Code of Federal Regulations - Labor

- 2. CFR 40 Code of Federal Regulations Hazardous Substances & Wastes
- 3. DCAM 4145.11 Storage & Handling of Hazardous Material
- 4. MCO 10330.2D Storage and Handling of Liquefied and Gaseous Compressed Gasses and Their Full and Empty Cylinders (Jun 00)
- 5. MCO 4450.12\_ DON'T DELETE-OTHER SCHOOLS USE THIS-BESIDES it is still valid at PEL Storage and Handling of Hazardous Materials
- 6. NAVMC DIR 5100.8 Marine Corps Occupational Safety and Health (OSH) Program Manual
- 7. NAVSEA SWO20-AF-ABK-010 Motor Vehicle Driver and Shipping Inspector's Manual for Ammunition, Explosives and Related Hazardous Materials
- 8. TM 9-6140-200-14 Lead Acid Batteries 4HN, 2H, 6TN

#### MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** Each installation's Environmental Management Division (EMD) provides specific local/state regulations for handling/storing hazardous material/waste. Certification must be obtained through the local installation's environmental organization.

**3510-ADMN-2102:** Maintain equipment accountability

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3510

GRADES: WO-1, CWO-2, CWO-3, CWO-4

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Given equipment and equipment accountability records.

**<u>STANDARD</u>**: To ensure 100% accountability and accurate documentation of equipment and supplies.

#### PERFORMANCE STEPS:

- 1. Receipt for all on hand equipment.
- 2. Submit required disposition.
- 3. Conduct inventories as required.
- 4. Manage sub-custody as required.
- 5. Validate equipment configuration.

# **REFERENCES:**

- 1. MCO 4400.150 Consumer-Level Supply Policy
- 2. MCO 4400.201 Management of Property in the Possession of the Marine Corps
- 3. MCO 4400.201 V12 MARINE CORPS CLASS VIII MANAGEMENT AND SUSTAINMENT
- 4. MCO 4790.2\_ Field-Level Maintenance Management Policy (FLMMP)
- 5. UM 4400-123 FMF SASSY Management Unit Procedures
- 6. UM 4400-124 FMF SASSY Using Unit Procedures

3510-ADMN-2103: Manage the functional areas of maintenance management

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3510

GRADES: WO-1, CWO-2, CWO-3, CWO-4, CWO-5

**INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>**: Given a motor transport shop, personnel, tools, supply requirements, AIS, and tactical vehicles.

STANDARD: IAW MCWP 4-11.4 Maintenance Operations chapter 2.

#### PERFORMANCE STEPS:

- 1. Manage maintenance administration.
- 2. Manage personnel and training.
- 3. Manage records and reports.
- 4. Manage publications control.
- 5. Manage operational availability.
- 6. Manage maintenance operations.
- 7. Manage supply support.
- 8. Manage quality control.
- 9. Manage maintenance related programs.
- 10. Establish/review internal maintenance management policy.
- 11. Monitor unit equipment readiness.
- 12. Identify organic/non-organic maintenance capabilities.
- 13. Monitor the maintenance automated information systems.
- 14. Direct maintenance management validation/reconciliation.
- 15. Implement a maintenance inspection program.

#### **REFERENCES:**

- 1. AEMI Applicable Equipment Modification Instruction
- 2. AETM Applicable Equipment Technical Manuals
- 3. AIETM Applicable Interactive Electronic Technical Manual
- 4. ASL-3 Applicable Stock Listing
- 5. MCO 4400.150 Consumer-Level Supply Policy
- 6. MCO 4400.16\_ Uniform Material Movement and Issue Priority System (UMMIPS)
- 7. MCO 5600.31\_ Marine Corps Printing, Publishing and Reprographics Equipment Regulations
- 8. MCO P3500.72 Marine Corps Ground Training and Readiness (T&R) Program
- 9. MCO P5215.17\_ The Marine Corps Technical Publications System
- 10. MCTP 3-40E Maintenance Operations
- 11. MCTP 8-10B How to Conduct Training
- 12. NAVMC 3500.\_ Applicable T&R manual
- 13. SL 1-2/3 Index of Authorized Publications in Stock
- 14. SL 1-3 Index of Authorized Publications in Stock
- 15. TI 4733-OD/1\_ Calibration Requirements Marine Corps Test, Measurement and Diagnostic Equipment Calibration and Maintenance Program
- 16. TI 4733-OD/10\_ Special Calibration of Torque Tools
- 17. TM 4700-15/1\_ Ground Equipment Record Procedures
- 18. UM 4000-125 Retail Supply and Maintenance Execution Procedures
- 19. UM 4400-123 FMF SASSY Management Unit Procedures
- 20. UM 4400-124 FMF SASSY Using Unit Procedures

21. UM 4790-5 MIMMS-AIS Field Maintenance Procedures

22. UM-MCPDS 5605 Marine Corps Publications Distribution System

**3510-AMPH-2101:** Direct motor transport support for amphibious operations.

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3510

GRADES: WO-1, CWO-2, CWO-3, CWO-4, CWO-5

# **INITIAL TRAINING SETTING:** MOJT

**<u>CONDITION</u>**: Given a mission, references, vehicles, personnel, required tools and equipment.

**STANDARD:** To provide motor transport equipment capability.

#### PERFORMANCE STEPS:

- 1. Manage the preparation of equipment configuration (MCTAGS, C4I, Weapons Systems).
- 2. Manage troop to task assignment of personnel.
- 3. Manage load configuration requirements.
- 4. Direct equipment on/off load.

## **REFERENCES:**

- 1. ATP 4-16 Movement Control
- 2. JP 3-02.1 Amphibious Embarkation and Debarkation
- 3. MCRP 3-40E.1 Recovery and Battle Damage Assessment and Repair (BDAR)
- 4. MCRP 3-40F.7 Multi-Service Tactics, Techniques, and Procedures for Tactical Convoy Operations (TCO)
- 5. MCTP 13-10C Unit Embarkation Handbook
- 6. MCTP 3-40B.1 Ammunition Logistics
- 7. MCTP 3-40E Maintenance Operations
- 8. MCTP 3-40F Transportation Operations
- 9. MCWP 5-10 Marine Corps Planning Process

## 3510-LIC-2101: Manage a licensing program

EVALUATION-CODED: NO SUSTAIN

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3510

GRADES: WO-1, CWO-2, CWO-3, CWO-4, CWO-5

**INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>**: Given licensing authority, a requirement, references, forms, personnel and appropriate resources.

**STANDARD:** To ensure licensing requirements are met.

# PERFORMANCE STEPS:

- 1. Manage licensing requirement.
- 2. Validate licensing prerequisites.
- 3. Authenticate applications, screening and training requirement.
- 4. Supervise testing.
- 5. Validate procedures for issuing licenses.
- 6. Validate procedures for revocation, suspension, and reinstatement.
- 7. Validate records retention and disposition requirements.
- 8. Validate records accuracy.

#### **REFERENCES:**

- 1. MCO 11240.118\_ Licensing Program for Tactical Wheeled Motor Transport Equipment Operators
- 2. TM 11240-15/3\_ Tactical Motor Transport Licensing Official's Manual

#### MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** Only units/commands with a licensing authority and licensing code, as listed in MCO 11240.118, may issue operator permits (OF-346).

3510-MAIN-2101: Manage maintenance production

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3510

GRADES: WO-1, CWO-2, CWO-3, CWO-4

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Given the references and a requirement.

STANDARD: To meet the commanders equipment readiness requirement.

#### PERFORMANCE STEPS:

- 1. Validate maintenance procedures.
- 2. Manage maintenance resources.
- 3. Direct actions during each maintenance phase.
- 4. Direct quality control through each maintenance phase.
- 5. Supervise the utilization of AIS.

# **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. DoD Directive 7730.65 Defense Readiness Reporting System (DRRS)
- 4. MCBul 3000\_ Marine Corps Readiness Reportable Ground Equipment

- 5. MCO 4790.2\_ Field-Level Maintenance Management Policy (FLMMP)
- 6. MCO 4790.25\_ Ground Equipment Maintenance Program (GEMP)
- 7. MCTP 3-40E Maintenance Operations
- 8. MCTP 8-10B How to Conduct Training
- 9. TM 4700-15/1\_ Ground Equipment Record Procedures
- 10. UM 4000-125 Retail Supply and Maintenance Execution Procedures

#### MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** Quality Control is the responsibility of the Maintenance Officer. Quality Control Inspectors work directly for the Maintenance Officer and is utilized as an unbiased third party ensuring that technicians and Maintenance Chiefs are achieving the highest possible standards and that defects are properly identified, maintenance is conducted IAW the TM and repair parts identified for reconciliation are validated. Quality Control Inspectors do not work for the Maintenance Chief. The effectiveness/positive impact of Quality Control (QC) differs by unit and the OPFOR continues to struggle with training, extended maintenance cycle time due to ineffective troubleshooting, mis-diagnoses of defects, inaccurate parts research and subsequent requisition. All have a negative impact on maintenance management and readiness and a lack of defined roles do not support a training continuum for our automotive maintenance technicians.

3510-MAIN-2102: Direct shop safety programs

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3510

GRADES: WO-1, CWO-2, CWO-3, CWO-4, CWO-5

**INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Given references, personnel, equipment and facilities.

STANDARD: Preventing damage to equipment or injury to personnel.

#### PERFORMANCE STEPS:

- 1. Analyze requirements.
- 2. Identify equipment assets, as required.
- 3. Coordinate with internal/external agencies.
- 4. Submit reports to HHQ, as needed.
- 5. Manage training requirements.

# REFERENCES:

- 1. CFR 29 Code of Federal Regulations Labor
- 2. MCO 5100.8 Marine Corps Occupational Safety and Health (OSH) Policy Order
- 3. TM 10209-10/1\_ Use and Care of Hand Tools and Measuring Tools

#### MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** Implementation of an effective shop safety program is a critical component in maintaining equipment while simultaneously ensuring the safety of Marines and equipment. Maintenance officers must continuously analyze maintenance operations to identify and mitigate potential safety hazards.

3510-MAIN-2103: Manage a load testing program

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3510

GRADES: WO-1, CWO-2, CWO-3, CWO-4, CWO-5

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Given references, personnel, equipment and a requirement.

**STANDARD:** To meet operational requirements without damage to equipment or injury to personnel.

#### PERFORMANCE STEPS:

- 1. Determine load test requirements.
- 2. Verify completion of load test records.
- 3. Appoint load test certification officials.
- 4. Certify the Annual Condition Inspection (ACI) and/or load test of tactical ground load lifting equipment.
- 5. Direct the retention and disposition of load test records.

#### **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. MCO 11262.2B Standard Policy for Inspection, Testing, and Certification of Tactical Ground Load Lifting Equipment
- 4. TM 4700-15/1\_ Ground Equipment Record Procedures
- 5. UM 4000-125 Retail Supply and Maintenance Execution Procedures

#### MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** Although this event is listed for all 3510s it is only required for those personnel appointed in writing as load test certification officer.

<u>3510-MPF-2101</u>: Direct motor transport support for Maritime Preposition Force (MPF) operations.

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3510

GRADES: WO-1, CWO-2, CWO-3, CWO-4, CWO-5

**INITIAL TRAINING SETTING:** FORMAL

CONDITION: Provided with equipment, references and operations plan.

**STANDARD:** Meeting operational requirements, without injury to personnel or damage to equipment.

#### PERFORMANCE STEPS:

- 1. Participate in MPF planning.
- 2. Support Off-load Preparation Party (OPP) requirements.
- 3. Support marshalling requirements.
- 4. Support movement requirements.
- 5. Support arrival requirements.
- 6. Support assembly requirements.

**REFERENCES:** MCTP 13-10D Maritime Prepositioning Force Operations

#### MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** Formal training conducted at MPF Staff Planners Course.

**3510-OPER-2101:** Manage functions of motor transport operations.

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3510

GRADES: WO-1, CWO-2, CWO-3, CWO-4, CWO-5

#### **INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Given references, Automated Information Systems (AIS), vehicles, personnel and equipment.

**STANDARD:** To provide uninterrupted capability in support of unit mission requirements without injury to personnel or damage to equipment.

#### PERFORMANCE STEPS:

 Manage operator/crew level Preventative Maintenance Checks and Services (PMCS).

- 2. Coordinate field level PMCS schedule.
- 3. Manage dispatching.
- 4. Direct government furnished (GFE) and on vehicle equipment (OVE) accountability.
- 5. Direct motor stables.
- 6. Manage ground transportation of ammunition and explosives, hazardous material and cargo.
- 7. Incorporate operational energy strategy.
- 8. Manage corrosion control.

# **REFERENCES:**

- 1. ATP 4-11 Army Motor Transport Operations
- 2. ES&IP Energy Strategy and Implementation Plan (FEB 2011)
- 3. MCRP 3-40E.1 Recovery and Battle Damage Assessment and Repair (BDAR)
- 4. MCRP 3-40F.7 Multi-Service Tactics, Techniques, and Procedures for Tactical Convoy Operations (TCO)
- 5. MCRP 4-11.3F Convoy Operations Handbook
- 6. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
- 7. MSTP PAM 4-0.1 Movement Control
- 8. NAVSEA OP 5 Vol 1 Ammunition and Explosives/Ashore Safety Regulations of Handling, Storage, Production, Renovation and Shipping
- 9. NAVSEA OP 5 Vol 2 Ammunition & Explosives Ashore Safety Regulation
- 10. NAVSEA OP 5 Vol 3 Ammunition and Explosives Safety Ashore for Contingencies, Combat Operations, Military Operations Other Than War, and Associated Training
- 11. NAVSEA SWO20-AF-ABK-010 Motor Vehicle Driver and Shipping Inspector's Manual for Ammunition, Explosives and Related Hazardous Materials
- 12. TM 09880C-OR Operator's Guide, DAGR Operator's Pocket Guide
- 13. TM 11240-OD Principal Technical Characteristics of U.S. Marine Corps Motor Transportation Equipment
- 14. TM 4700-15/1\_ Ground Equipment Record Procedures
- 3510-OPER-2102: Conduct convoy operations.
- EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3510

GRADES: WO-1, CWO-2, CWO-3, CWO-4

**INITIAL TRAINING SETTING:** FORMAL

CONDITION: Given a requirement, personnel and equipment.

**STANDARD:** To ensure unit movement is completed without injury to personnel or damage to equipment.

# PERFORMANCE STEPS:

- 1. Analyze mission.
- 2. Issue warning order.
- 3. Gather intelligence.
- 4. Conduct route reconnaissance.

- 5. Conduct METT-TC analysis.
- 6. Determine lift requirements.
- 7. Develop a movement plan.
- 8. Coordinate communications plan.
- 9. Coordinate CAS/MEDEVAC support.
- 10. Develop security plan.
- 11. Coordinate passage of lines and cross boundary procedures.
- 12. Direct loading operations.
- 13. Conduct pre-movement preparations.
- 14. Complete the plan.
- 15. Conduct convoy commanders brief.
- 16. Conduct pre-combat rehearsal, checks and inspections.
- 17. Direct the movement of the convoy.
- 18. Direct the defense of the convoy.
- 19. Supervise vehicle fording operations, as required.
- 20. Supervise vehicle recovery operations, as required.
- 21. Supervise field expedient repairs, as required.
- 22. Supervise limited visibility driving operations.
- 23. Conduct mission debrief.

# **REFERENCES:**

- 1. ATP 4-11 Army Motor Transport Operations
- 2. DOD Reg 4500.9-R Part I Defense Transportation Regulation Part I -Passenger Movements
- DOD Reg 4500.9-R Part II Defense Transportation Regulation Part II -Cargo Movement
- 4. DOD Reg 4500.9-R Part III Defense Transportation Regulation Part III - Mobility
- 5. MCO P4030.19\_ Preparing Hazardous Materials for Military Air Shipments
- 6. MCO P4030.21\_ Packaging of Materiel Packing
- 7. MCO P4030.31\_ Packaging of Materiel Preservation
- 8. MCO P4030.36\_ Marine Corps Packaging Manual
- 9. MCRP 3-40F.7 Multi-Service Tactics, Techniques, and Procedures for Tactical Convoy Operations (TCO)
- 10. MCRP 4-11.3F Convoy Operations Handbook
- 11. MCTP 13-10C Unit Embarkation Handbook
- 12. MCTP 3-40B Tactical-Level Logistics
- 13. MCTP 3-40E Maintenance Operations
- 14. MCWP 3-40 Logistics Operations
- 15. MSTP PAM 4-0.1 Movement Control
- 16. NAVSEA SW020-AF-HBK-010 Motor Vehicle Driver and Shipping Inspector's Handbook for Ammunition, Explosives and Related Hazardous Materials

**3510-OPER-2103:** Produce motor transport operational planning documents.

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3510

GRADES: WO-1, CWO-2, CWO-3, CWO-4, CWO-5

# **INITIAL TRAINING SETTING:** MOJT

CONDITION: Given a mission and references.

**STANDARD:** To ensure requirements are met.

#### PERFORMANCE STEPS:

- 1. Participate in operational planning.
- 2. Evaluate the requirements.
- 3. Identify resources.
- 4. Determine geographical area operation requirements.
- 5. Determine required logistics support.
- 6. Assist in development of an Appendix 4 to Annex D.
- 7. Assist in development of an Appendix 12 to Annex D.
- 8. Draft a movement order.

# **REFERENCES:**

- 1. ATP 4-11 Army Motor Transport Operations
- 2. DOD Reg 4500.9-R Part I Defense Transportation Regulation Part I -Passenger Movements
- DOD Reg 4500.9-R Part II Defense Transportation Regulation Part II -3. Cargo Movement
- 4. DOD Reg 4500.9-R Part III Defense Transportation Regulation Part III - Mobility
- MCO P4030.19\_ Prepairing Hazardous Materials for military Air Shipment 5.
- 6. MCO P4030.31 Packing of Material, Preservation
- 7. MCTP 3-40E Maintenance Operations
- 8. MCTP 8-10B How to Conduct Training
- MCWP 3-40 Logistics Operations
   MCWP 5-11 Amphibious Task Force Planning
- 11. MCWP 5-11.2 The Amphibious Task Force Plan
- 12. NAVSEA SW020-AF-HBK-010 Motor Vehicle Driver and Shipping Inspector's Handbook for Ammunition, Explosives and Related Hazardous Materials

3510-OPER-2104: Direct the establishment of a tactical motor pool.

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3510

GRADES: WO-1, CWO-2, CWO-3, CWO-4, CWO-5

#### **INITIAL TRAINING SETTING:** FORMAL

CONDITION: Provided with a recovery requirement, applicable references, personnel, and equipment.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

#### PERFORMANCE STEPS:

- 1. Conduct site reconnaissance.
- 2. Establish security.
- 3. Determine facility requirements.
- 4. Determine maintenance facility requirements.
- 5. Determine Basic Area Requirements.
- 6. Determine emergency exits.
- 7. Determine requirements for a fire prevention plan.
- 8. Develop physical security requirements.
- 9. Employ a defense plan.
- 10. Determine environmental considerations.

# **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. FM 5-125 Rigging Techniques, Procedures and Applications
- 4. MCRP 3-40E.1 Recovery and Battle Damage Assessment and Repair (BDAR)
- 5. MCRP 3-40F.7 Multi-Service Tactics, Techniques, and Procedures for
- Tactical Convoy Operations (TCO)
- 6. MCRP 4-11.3F Convoy Operations Handbook
- 7. MCTP 3-40E Maintenance Operations

3510-OPER-2105: Employ vehicle recovery capabilities

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3510

GRADES: WO-1, CWO-2, CWO-3, CWO-4, CWO-5

**INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>**: Provided with a vehicle to be recovered, applicable references, personnel and equipment.

**STANDARD:** To move disabled equipment to a collection point without injury to personnel or further damage to equipment.

#### PERFORMANCE STEPS:

- 1. Provide situational guidance.
- 2. Coordinate external support, as required.
- 3. Direct the eight step process.
- 4. Report results, as required.

# **REFERENCES**:

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. ATP 4-11 Army Motor Transport Operations
- 4. ES&IP Energy Strategy and Implementation Plan (FEB 2011)
- 5. MCRP 3-17.7J Rigging Techniques, Procedures, and Applications
- 6. MCRP 4-11.3F Convoy Operations Handbook
- 7. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
- 8. MSTP PAM 4-0.1 Movement Control

9. TM 11240-OD Principal Technical Characteristics of U.S. Marine Corps Motor Transportation Equipment

#### 3510-OPER-2106: Manage movement control

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3510

GRADES: WO-1, CWO-2, CWO-3, CWO-4, CWO-5

**INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>**: Given references, a requirement, personnel and equipment for vehicle movements, and automated informational system.

**<u>STANDARD</u>**: To safely meet operational requirements with no injury to personnel or damage to equipment.

#### PERFORMANCE STEPS:

- 1. Determine movement control principals.
- 2. Determine functions of movement control.
- 3. Determine other considerations.
- 4. Conduct ground transportation planning.
- 5. Manage coordination, allocation, and routing of ground transportation resources.
- 6. Manage ground transportation In-Transit Visibility.
- 7. Coordinate with Movement Control Agencies.

#### **REFERENCES:**

- 1. ATP 4-11 Army Motor Transport Operations
- 2. ATP 4-16 Movement Control
- 3. MCRP 3-40F.7 Multi-Service Tactics, Techniques, and Procedures for Tactical Convoy Operations (TCO)
- 4. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
- 5. TM 11240-OD\_ Principal Technical Characteristics of U.S. Marine Corps Motor Transport Equipment

#### MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** Formal training conducted at MAGTF Staff Planners Course.

3510-TRNG-2101: Participate in the Unit Training Management (UTM) process

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3510

**GRADES:** WO-1, CWO-2, CWO-3, CWO-4

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Given a unit, mission and access to AIS.

**STANDARD:** To ensure individual and collective events associated to the Mission Essential Task (MET) are accomplished to standard.

#### PERFORMANCE STEPS:

- 1. Conduct Mission Essential Task (MET) assessment.
- 2. Determine training strategy.
- 3. Conduct risk management.
- 4. Utilize simulation as required.
- 5. Provide training guidance.
- 6. Develop training plans.
- 7. Develop training schedules.
- 8. Develop a training scenario.
- 9. Coordinate unit level training.
- 10. Conduct training.
- 11. Evaluate training.
- 12. Conduct After Action Reviews (AAR).
- 13. Employ MCTIMS.

#### **REFERENCES:**

- 1. MCO 1553.3\_ Unit Training Management (UTM)
- 2. MCTP 8-10A Unit Training Management Guide
- 3. MCTP 8-10B How to Conduct Training

# MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** MCCS training task numbers; MCCS-TRNG-2001, 2002,2005 2006, 2008, 2009, 2010, 2011, 2012, 2013
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# CHAPTER 5

# MOS 3521 INDIVIDUAL EVENTS

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# MOTOR-T T&R MANUAL

## CHAPTER 5

## MOS 3521 INDIVIDUAL EVENTS

**5000. PURPOSE.** This chapter details the individual events that pertain to the Automotive Maintenance Technician. Each individual event provides an event title, along with the conditions events will be performed under, and the standard to which the event must be performed to be successful.

# 5001. EVENT CODING

Events in this T&R Manual are depicted with an up to 12-character, 3-field alphanumeric system, i.e. XXXX-XXXX. This chapter utilizes the following methodology:

a. Field one. This field represents the community. This chapter contains the following community code:

Code	Description	1	
3521	Automotive	Maintenance	Technician

b. Field two. This field represents the functional/duty area. This chapter contains the following functional/duty areas:

Code	Description
MAIN	Maintenance
ADVM	Advance Maintenance
ADMN	Administrative
OPER	Operator
PMCS	Preventative Maintenance Checks

c. Field three. This field provides the level at which the event is accomplished and numerical sequencing of events. This chapter contains the following event levels:

Code	Description
1000	Core Skills
2000	Core Plus Skills

### 5002. MOS 3521 BILLET DESCRIPTIONS/CORE CAPABILITIES

**CAREER PROGRESSION PHILOSOPHY**. The Automotive Maintenance Technician will complete the Automotive Maintenance Technician Basic Course, at Camp Lejeune, NC. Upon graduation, the Automotive Maintenance Technician will conduct additional 2000-level training in a variety of motor transport maintenance billets. 2000-Level training continues through completion of Career, Intermediate, and Advanced Level Professional Military Education (PME), available through resident, seminar and distance learning courses.

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**BILLET.** Automotive Maintenance Technician. The 3521 must maintain the capabilities of core skills obtained at the Automotive Maintenance Technician Basic Course. The 3521 must be proficient in the performance of services, inspections, maintaining, and repairs of motor transport equipment at the field level.

### CORE CAPABILITIES:

- 1. Determine maintenance requirements for motor transport tactical vehicle.
- 2. Conduct tool inventory.
- 3. Install automotive components with threaded fasteners.

4. Process maintenance functions within the current Automated Information Systems (AIS).

- 5. Perform general electrical system diagnosis.
- 6. Perform general engine diagnosis.
- 7. Perform lubrication systems diagnosis.
- 8. Perform maintenance on the cooling system.
- 9. Perform maintenance on the air induction system.
- 10. Perform maintenance on the exhaust system.
- 11. Perform fuel supply system diagnosis.
- 12. Perform electronic fuel system management diagnosis.
- 13. Perform transmission system diagnosis.
- 14. Perform maintenance on driveshaft and components.
- 15. Perform drive axle diagnosis.
- 16. Perform maintenance on the suspension system.
- 17. Perform steering system diagnosis.
- 18. Perform maintenance on the steering system.
- 19. Perform air brakes system diagnosis.
- 20. Perform maintenance on the brake system.
- 21. Perform hydraulic systems diagnosis.
- 22. Perform air and hydraulic ABS and ATC system diagnosis.
- 23. Perform wheel and tire inflation Diagnosis.
- 24. Perform maintenance on the Heating Ventilation/Air Conditioning (HVAC) system.

**BILLET. Tool room Non-Commissioned Officer (NCO)**. The Tool room NCO must maintain the capabilities of core and core plus skills for a 352X that have been obtained through career progression. The Tool room NCO must be proficient in employment of tools, chest, sets and test equipment.

### CORE CAPABILITIES:

- 1. Administer unit calibration programs.
- 2. Administer the Marine Corps TMDE CAMP.
- 3. Establish inventory Intervals/Schedule.
- 4. Establish Tool Control.

**BILLET.** Publication Non-Commissioned Officer. The Publications NCO must maintain the capabilities of core and core plus skills for a 352X that have been obtained through career progression. The Publications NCO must be proficient in establishing an internal distribution list of publications. Ensures that all libraries are up-to-date and that all shortages obtained through requisition or electronic distribution. Also, establishes periodic and the proper use of the recommended changes to technical publications form NAVMC 10772.

### CORE CAPABILITIES:

- 1. Establish a publications control library.
- 2. Establish an inventory of publications.

- 3. Standardize use of Information Technology (IT) publications.
- 4. Establish the internal distribution list.
- 5. Ensure publications are up-to-date and shortages obtained through requisition or electronic distribution.
- 6. Ensure proper use of recommended changes to technical publications form NAVMC 10772.

**BILLET. Modifications Non-Commissioned Officer.** The Modifications NCO must maintain the capabilities of core and core plus skills for a 352X that have been obtained through career progression. The Modification NCO establishes and maintains standardized procedures that identify, perform, records and monitors equipment modifications records within the MAIS.

# CORE CAPABILITIES:

- 1. Ensures that effective modification control procedures are established.
- 2. Ensure equipment modifications are monitored and recorded within MAIS.
- 3. Validate Equipment records during initial inspections.
- 4. Note modification discrepancies and physical actions to validate completion or application of required modifications.
- 5. Validate current modification statuses and dates on IB tracked items.
- 6. Identify specific Installed Base (IB) items with pending modifications.

**BILLET. Hazmat and Safety Non-Commissioned Officer**. The Hazmat and safety NCO must maintain the capabilities of core and core plus skills for a 352X that have been obtained through career progression. The Hazmat and Safety NCO establishes and maintains standardized procedures for safety inspections, safety training, mishap reports, and Material safety sheets. Also, ensures the proper storage, handling of hazardous material and Authorized Use List (AUL).

### CORE CAPABILITIES:

- 1. Determine references pertaining to safety/hazmat.
- 2. Determine and Establish Maintenance Safety Precautions.
- 3. Identify Personal protective equipment.
- 4. Identify hazardous materials to ensure operational readiness.
- 5. Prepare Material Safety Data Sheets (MSDS) to ensure operational readiness.

**BILLET. DSI and Layettes Non-Commissioned Officer.** The DSI and Layettes NCO must maintain the capabilities of core and core plus skills for a 352X that have been obtained through career progression. The DSI and Layettes NCO manages availability of high usage, fast moving items, Broken Unit of Issue Items, for mechanics and technicians. Also, managing parts bins and the flow of parts to and from the maintenance facilities.

### CORE CAPABILITIES:

- 1. Establish Locators and sub inventories.
- 2. Ensure Locators and sub inventories are managed.
- 3. Determine Demand Supported Items (DSI) management.
- 4. Manage requirements/authorization of DSI.
- 5. Manage requirements/authorization of Broken unit of issue (BUI).
- 6. Determine BUI.
- 7. Manage desktop turnover procedures.

**BILLET. Quality Control Non-Commissioned Officer**. The Quality Control NCO must maintain the capabilities of core and core plus skills for a 352X that have been obtained through career progression. The Quality Control NCO

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Inspects, Verifies, Identifies, and inventories equipment prior to induction into maintenance. The Quality Control NCO ensures the maintenance section enters information on work performed on all equipment that maintenance actions are completed and will perform final close out and debrief of all tasks on the SR. Also, owning notification of completed maintenance on equipment.

## CORE CAPABILITIES:

1. Supervise perform induction Limited Technical Inspections of all equipment inducted into the maintenace commodity for repair IAW applicable MCO and Directives.

- 2. Determine maintenance requirements.
- 3. Equipment records during initial inspections.
- 4. Check/Verify modifications. discrepancies.

5. Ensure maintenance is conducted in accordance with applicable technical manuals throughout the active maintenance phase.

6. Supervise/ conduct Quality Control inspections on all repairs by the maintenance activity.

7. Verify equipment modifications are monitored and recorded within MAIS.

**BILLET.** Shop chief/section leader. The Shop chief/section leader must maintain the capabilities of core and core plus skills for a 352X that have been obtained through career progression. The Shop chief/section leader manages the maintenance sections work performance on all equipment and maintains a continuous flow for all actions completed. The Shop Chief/Section Leader ensures compliance with all maintenance related programs.

# CORE CAPABILITIES:

- 1. Manage flow of equipment maintenance.
- 2. Determine and Manage corrective maintenance and preventive maintenance on equipment.
- 3. Ensure maintenance is being conducting through the proper phases.
- 4. Determine requirements for submitting a PQDR.
- 5. Determine requirements for submitting a NAVMC 10772.
- 6. Ensure equipment record accuracy and compliance.
- 7. Verify equipment modifications are monitored and recorded within MAIS.
- 8. Check/Verify specific Installed Base (IB) items with pending modifications.

**BILLET. Training Non-Commissioned Officer**. The Training NCO must maintain the capabilities of core and core plus skills for a 352X that have been obtained through career progression. The Training NCO establishes an annual training plan with the proper material and ensure each training event is conducted, monitored, and recorded.

# CORE CAPABILITIES:

- 1. Ensure annual training plan is created.
- 2. Ensure training plan is managed.
- 3. Determine material for training plan.
- 4. Provide individual and collective T&R events.
- 5. Ensure training events are monitored.
- 6. Verify training events are recorded properly.

**BILLET.** Line Mechanic. The line mechanic must maintain the capabilities of core and core plus skills for a 352X that have been obtained through career progression. The line mechanic conducts expedient repairs on equipment to

assist with maintenance and operational requirements. The Line mechanic is a liaison between operations, maintenance and dispatch.

# CORE CAPABILITIES:

- 1. Assist dispatch with before and after operation inspections.
- 2. Conducts small repairs on equipment prior to induction in maintenance.
- 3. Assist operations quality control with induction of equipment into maintenance.
- 4. Assist operations with operator crew level PMCS.

**BILLET.** Platoon Sergeant. The platoon sergeant must maintain the capabilities of core and core plus skills for a 352X that have been obtained through career progression. Platoon Sergeant must be proficient in the employment of all organic equipment. The Platoon Sergeant is capable of performing all the tasks required of a maintenance technician. Platoon Sergeant carries out the orders of the Platoon Commander and maintenance chief.

# CORE CAPABILITIES:

- 1. Advise the platoon commander and maintenance chief on the discipline, appearance, control, conduct, and welfare of the platoon.
- 2. Advise the platoon commander and maintenance chief on all administrative matters pertaining to the Marines in the platoon.
- 3. Inspect the condition, care, and economical use of assigned equipment.
- 4. Provides leadership, counseling, and training to Marines.
- 5. Provides technical advice and assistance to supported units.

**BILLET:** Automotive Intermediate maintenance technician. The Automotive intermediate maintenance technician must maintain the capabilities of core and core plus skills for a 352X that have been obtained through career progression. The Automotive intermediate maintenance technician performs maintenance tasks that are associated with the Intermediate Maintenance Activity.

# CORE CAPABILITIES:

- 1. Determine maintenance resources.
- 2. Determine maintenance requirements for motor transport tactical vehicle.
- 3. Manage equipment through maintenance production.
- 4. Utilize Precision Tools.
- 5. Handle hazardous material.
- 6. Manage motor transport maintenance functions.
- 7. Repairs electrical system.
- 8. Repairs winches on motor transport equipment.
- 9. Repairs hydraulic system.
- 10. Repairs pneumatic system.
- 11. Performs maintenance on hydraulic control valves.
- 12. Performs maintenance on hydraulic actuators.
- 13. Performs general engine diagnosis.
- 14. Performs engine cylinder head repairs.
- 15. Performs lubrication system diagnosis.
- 16. Performs mechanical fuel injection system diagnosis.
- 17. Performs electronic fuel system diagnosis.
- 18. Performs maintenance on engine brakes.
- 19. Repairs transmission.
- 20. Repairs transfers.
- 21. Repairs geared hubs on motor transport equipment.
- 22. Performs maintenance on differential assemblies.

- 23. Repairs steering system.
- 24. Perform maintenace on brake systems.
- 25. Performs maintenance on the fire suppression system.
- 26. Performs maintenance on the chassis.
- 27. Repairs heating ventilation air conditioning (HVAC) system.

**BILLET.** School Instructor. The School Instructor must maintain the capabilities of core and core plus skills for a 352X that have been obtained through career progression. The School Instructor establishes an annual training plan with the proper material and ensure each training event is conducted, monitored, and recorded.

# CORE CAPABILITIES:

- 1. Implement formal instruction relating to maintenance and proper operation of automotive systems associated to tactical wheeled vehicles.
- 2. Develop, revise or update Master Lesson Files (MLF).
- 3. Be proficiently sound in the Marine Corps Instructional Designs and Systems Approach to Training and Education process.
- 4. Administer practical application exercises.
- 5. Administer perform and written evaluations.
- 6. Maintain training devices and resources associated to Motor Transport Maintenance.
- 7. Perform curriculum development in line with Training and Readiness standards.
- 8. Maintain positive example for students through uniform appearance, fitness, integrity, maturity, and bearing.

**BILLET.** Academics Operations Non-Commissioned Officer. The Academics Operations NCO must maintain the capabilities of core and core plus skills for a 352X that have been obtained through career progression. The Academics Operations NCO establishes an annual training plan with the proper material and ensure each training event is conducted, monitored, and recorded.

### CORE CAPABILITIES:

- 1. Oversee evaluation capabilities through the Automated Information Management Systems.
- 2. Ensure students are registered and graduated in Marine Corps Training Information Management System (MCTIMS) in their proper seat types.
- 3. Administer completion of course convene and graduation rosters/certificates and student commendatory material.
- 4. Take appropriate action for Student Action Requests (SAR).
- 5. Maintain class rosters for all Periods of Instructions (POI).
- 6. Manage student tracking system that accounts for Marines Awaiting Training (MAT) time.
- 7. Reconcile with Headquarters Marine Corps to ensure all course allocations are utilized and classes are at max capacity.
- 8. Extract all end of course data and publish to the corresponding course manager via the shared site.
- 9. Manage Electronic Training Jackets for Permanent Personnel staff for all Staff and Faculty Development Course certificates obtained

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	Coded		
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# 5003. INDEX OF 1000-LEVEL EVENTS

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		threaded fasteners	
3521-ADMN-1004	NO	Process maintenance functions within the	5-10
		current Automated Information Systems	
		(AIS)	
3521-MAIN-1001	NO	Perform maintenance on the electrical	5-11
		system	
3521-MAIN-1002	NO	Perform maintenance on the Central Tire	5-12
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3521-MAIN-1003	NO	Perform maintenance on the air induction	5-12
		system	
3521-MAIN-1004	NO	Perform maintenance on the exhaust system	5-13
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3521-MAIN-1006	NO	Perform maintenance on the fuel system	5-14
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# 5004. 1000-LEVEL EVENTS

**3521-ADMN-1001:** Determine maintenance requirements for motor transport tactical vehicle

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

**DESCRIPTION:** This event supports training associated to all safety requirements and actions required within the shop or maintenance areas. Operator level PMCS and vehicle basic control skills are performed as a baseline to understand the operation and function of system components. An EPA 609 is obtained during the individuals Formal Learning Center (FLC) training to enable them for perform recovery, recycle and recharging of automotive air conditioning systems. This training is designed to address EPA regulations in regards to the handling of automotive grade Freon.

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

**INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>**: Given the required manuals, AIS, and motor transport equipment that is pending repairs.

**STANDARD:** To ensure proper utilization of maintenance resources.

## PERFORMANCE STEPS:

- 1. Apply shop safety.
- 2. Conduct operator level PMCS.
- 3. Perform vehicle basic control skills.
- 4. Obtain EPA 609 certification.

# **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. CFR Code of Federal Regulations
- 4. MCO 11240.118 Standard Licensing Procedures to Operate Military Motor Vehicle
- 5. MCO 4450.12\_ Storage and Handling of Hazardous Materials
- 6. MCO 5100.29B Marine Corps Safety Program
- 7. TM 11240-15/3 Motor Vehicle Licensing Official's Manual

3521-ADMN-1002: Conduct tool inventory

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

**INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>**: Given the references, a tool set, chest or kit, and required forms.

STANDARD: Ensuring serviceability, accountability and cleanliness.

### **PERFORMANCE STEPS:**

- 1. Identify the intended purpose of specific tools.
- 2. Inventory the contents of a tool kit.
- 3. Complete required forms/records.

# **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. ASL Authorized Stock List
- 3. MCO 4400.150 Consumer-Level Supply Policy
- 4. MCO 4733.1C Marine Corps Ground Test, Measurement and Diagnostic Equipment (TMDE) Calibration and Maintenance Program (CAMP)
- 5. MCO 4790.2\_ Field-Level Maintenance Management Policy (FLMMP)
- 6. TM 10209-10/1\_ Use and Care of Hand Tools and Measuring Tools
- 7. TM 4700-15/1H w/ch 3 Ground Equipment Record Procedures

3521-ADMN-1003: Install automotive components with threaded fasteners

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

#### READINESS-CODED: NO

**DESCRIPTION:** This event is designed to support all systems and is focused on the different types and means of threaded fastener repairs conducted within the Motor Transport community.

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

# **INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>**: Given a maintenance requirement, tools, equipment supplies and references.

STANDARD: To properly secure hardware according to specifications.

## PERFORMANCE STEPS:

- 1. Identify the torque specifications of fasteners.
- 2. Remove fasteners.
- 3. Restore a damaged fastener with internal threads.
- 4. Restore a damaged fastener with external threads.
- 5. Replace fasteners.
- 6. Torque threaded fasteners.
- 7. Connect tubing to the tube fitting.

### **REFERENCES:**

- 1. MCO 3000.11\_ Ground Equipment Condition and Supply Materiel Readiness Reporting (MRR) Policy
- 2. MCO 4400.150 Consumer-Level Supply Policy
- 3. MCO 4733.1C Marine Corps Ground Test, Measurement and Diagnostic Equipment (TMDE) Calibration and Maintenance Program (CAMP)
- 4. MCO 4790.2\_ Field-Level Maintenance Management Policy (FLMMP)
- 5. MCO 4790.25\_ Ground Equipment Maintenance Program (GEMP)
- 6. MCO 5100.29B Marine Corps Safety Program
- 7. TI 4733-OD/10\_ Special Calibration of Torque Tools
- 8. TM 10209-10/1\_ Use and Care of Hand Tools and Measuring Tools
- 9. TM 4700-15/1H w/ch 3 Ground Equipment Record Procedures
- 10. TM 9-8000 Principles of Automotive Vehicles
- 11. UM 4790-5\_ Marine Corps User's Manual MIMMS (AIS) FMSS (with changes)

<u>3521-ADMN-1004</u>: Process maintenance functions within the current Automated Information Systems (AIS)

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

**DESCRIPTION:** This event supports the documentation requirements for actions performed by the individual technician.

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

**INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>**: Given references, a requirement, and access to the current Automated Information System (AIS).

STANDARD: To accurately report and maintain equipment readiness.

# PERFORMANCE STEPS:

- 1. Select the proper roles/responsibility.
- 2. Create a service request (SR).
- 3. Navigate the universal work queue (UWQ).
- 4. Create a task.
- 5. Create a parts requirement (as required).
- 6. Debrief an assigned task.

REFERENCES: UM 4000-125 Retail Supply and Maintenance Execution Procedures

3521-MAIN-1001: Perform maintenance on the electrical system

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

### READINESS-CODED: NO

**DESCRIPTION:** In the execution of this event an individual must possess an understanding of the theory of operation, purpose, location and how to inspect all components associated to this system. The electrical system consists of: battery, wiring and connections, lighting, starting and charging systems. Electronic Management Systems incorporates all onboard vehicle electronic computers for example, Engine Control Unit (ECU), Vehicle Interface Module (VIM) and Electronic Control Module (ECM).

### MOS PERFORMING: 3521

**<u>GRADES</u>:** PVT, PFC, LCPL, CPL, SGT

### **INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>**: Given a tactical wheeled vehicle, tools, test equipment, shop supplies, repair parts and references.

STANDARD: Ensuring system operates properly.

## PERFORMANCE STEPS:

- 1. Inspect the electrical system for serviceability.
- 2. Diagnose the cause of a malfunctioning electrical system.
- 3. Repair components of the electrical system.
- 4. Replace components of the electrical system.

5. Test the electrical system.

### **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. TM 9-8000 Principles of Automotive Vehicles

<u>3521-MAIN-1002</u>: Perform maintenance on the Central Tire Inflation System (CTIS)

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

### READINESS-CODED: NO

**DESCRIPTION:** In the execution of this event an individual must possess an understanding of the theory of operation, purpose, location and how to inspect all components associated to this system.

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

**INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>**: Given a tactical wheeled vehicle, tools, test equipment, shop supplies, repair parts and references.

**STANDARD:** To ensure system operates properly.

### PERFORMANCE STEPS:

- 1. Inspect the CTIS for serviceability.
- 2. Diagnose the cause of a malfunctioning CTIS.
- 3. Repair components of the CTIS.
- 4. Replace components of the CTIS.
- 5. Test the CTIS.

#### **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. TM 9-8000 Principles of Automotive Vehicles

3521-MAIN-1003: Perform maintenance on the air induction system

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

# READINESS-CODED: NO

**DESCRIPTION:** In the execution of this event an individual must possess an understanding of the theory of operation, purpose, location and how to inspect all components associated to this system.

MOS PERFORMING: 3521

**GRADES:** PVT, PFC, LCPL, CPL, SGT

**INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>**: Given a tactical wheeled vehicle, tools, test equipment, shop supplies, repair parts and references.

**STANDARD:** To ensure vehicle operates properly.

## PERFORMANCE STEPS:

- 1. Inspect the air induction system for serviceability.
- 2. Diagnose the cause of a malfunctioning air induction system.
- 3. Repair components of the air induction system.
- 4. Replace components of the air induction system.
- 5. Test the air induction system.

### **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. TM 9-8000 Principles of Automotive Vehicles

3521-MAIN-1004: Perform maintenance on the exhaust system

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

**DESCRIPTION:** In the execution of this event an individual must possess an understanding of the theory of operation, purpose, location and how to inspect all components associated to this system.

### MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

**INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>**: Given a tactical wheeled vehicle, tools, test equipment, shop supplies, repair parts and references.

**STANDARD:** To ensure vehicle operates properly.

# PERFORMANCE STEPS:

- 1. Inspect the exhaust system for serviceability.
- 2. Diagnose the cause of a malfunctioning exhaust system.
- 3. Replace components of the exhaust system.
- 4. Test the exhaust system.

### **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. TM 9-8000 Principles of Automotive Vehicles

**3521-MAIN-1005:** Perform maintenance on the cooling system

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

**DESCRIPTION:** In the execution of this event an individual must possess an understanding of the theory of operation, purpose, location and how to inspect all components associated to this system.

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

**INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>**: Given a tactical wheeled vehicle, tools, test equipment, shop supplies, repair parts and references.

**STANDARD:** To ensure vehicle operates properly.

#### PERFORMANCE STEPS:

- 1. Inspect the cooling system for serviceability.
- 2. Diagnose the cause of a malfunctioning cooling system.
- 3. Repair components of the cooling system.
- 4. Replace components of the cooling system.
- 5. Test the cooling system.
- 6. Record coolant reading as required.

## **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. TM 9-8000 Principles of Automotive Vehicles

3521-MAIN-1006: Perform maintenance on the fuel system

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

**DESCRIPTION:** In the execution of this event an individual must possess an understanding of the theory of operation, purpose, location and how to inspect all components associated to this system.

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

**INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>**: Given a tactical wheeled vehicle, tools, test equipment, shop supplies, repair parts and references.

**STANDARD:** To ensure system operates properly.

### PERFORMANCE STEPS:

- 1. Inspect the fuel system for serviceability.
- 2. Diagnose the cause of a malfunctioning fuel system.
- 3. Repair components of the fuel system.
- 4. Replace components of the fuel system.
- 5. Test the fuel system.

### **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. TM 9-8000 Principles of Automotive Vehicles

3521-MAIN-1007: Perform maintenance on the power plant

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

**DESCRIPTION:** In the execution of this event an individual must possess an understanding of the theory of operation, purpose, location and how to inspect all components associated to this system. The power plant consists of the engine.

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

**INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>**: Given a tactical wheeled vehicle, tools, test equipment, shop supplies, repair parts and references.

**STANDARD:** To ensure vehicle operates properly.

### PERFORMANCE STEPS:

- 1. Inspect the power plant system for serviceability.
- 2. Diagnose the cause of a malfunctioning power plant system.
- 3. Repair components of the power plant system.
- 4. Replace components of the power plant system.
- 5. Test the power plant system.

### REFERENCES:

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. TM 9-8000 Principles of Automotive Vehicles

3521-MAIN-1008: Perform maintenance on the engine cold start system

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

**DESCRIPTION:** In the execution of this event an individual must possess an understanding of the theory of operation, purpose, location and how to inspect all components associated to this system.

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Given a tactical wheeled vehicle, tools, test equipment, shop supplies, repair parts and references.

**STANDARD:** To ensure vehicle operates properly.

### PERFORMANCE STEPS:

- 1. Diagnose the cause of a malfunctioning cold start system.
- 2. Repair components of the cold start system.
- 3. Replace components of the cold start system.
- 4. Test the cold start system.

## **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. TM 9-8000 Principles of Automotive Vehicles

3521-MAIN-1009: Perform maintenance on the drive train

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

**DESCRIPTION:** In the execution of this event an individual must possess an understanding of the theory of operation, purpose, location and how to inspect all components associated to this system. The drive train consists of: transmission, transfer, propeller shafts, transaxles, differentials, axles, wheel hubs and wheel end.

# MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

## **INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>**: Given a tactical wheeled vehicle, tools, test equipment, shop supplies, repair parts and references.

**STANDARD:** To ensure vehicle operates properly.

### PERFORMANCE STEPS:

- 1. Inspect the drive train system for serviceability.
- 2. Diagnose the cause of a malfunctioning drive train system.
- 3. Repair components of the drive train system.
- 4. Replace components of the drive train system.
- 5. Test the drive train system.

### **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. TM 9-8000 Principles of Automotive Vehicles

3521-MAIN-1010: Perform maintenance on the brake system

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

# **READINESS-CODED:** NO

**DESCRIPTION:** In the execution of this event an individual must possess an understanding of the theory of operation, purpose, location and how to inspect all components associated to this system. There are multiple types of brake systems based upon vehicle platforms. The brake system may be an air brake system, hydraulic brake system, air over hydraulic brake system, or mechanical brake.

### MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

## **INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>**: Given a tactical wheeled vehicle, tools, test equipment, shop supplies, repair parts and references.

**STANDARD:** To ensure vehicle operates properly.

# PERFORMANCE STEPS:

- 1. Inspect the brake system for serviceability.
- 2. Diagnose the cause of a malfunctioning brake system.
- 3. Repair components of the brake system.
- 4. Replace components of the brake system.
- 5. Test the brake system.

## **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. TM 9-8000 Principles of Automotive Vehicles

3521-MAIN-1011: Perform maintenance on the compressed air system

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

**DESCRIPTION:** In the execution of this event an individual must possess an understanding of the theory of operation, purpose, location and how to inspect all components associated to this system.

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Given a tactical wheeled vehicle, tools, test equipment, shop supplies, repair parts and references.

STANDARD: To ensure vehicle operates properly.

### PERFORMANCE STEPS:

- 1. Inspect the compressed air system for serviceability.
- 2. Diagnose the cause of a malfunctioning compressed air system.
- 3. Repair components of the compressed air system.
- 4. Replace components of the compressed air system.
- 5. Test the compressed air system.

### **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. TM 9-8000 Principles of Automotive Vehicles

3521-MAIN-1012: Perform maintenance on the steering system

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

## READINESS-CODED: NO

**DESCRIPTION:** In the execution of this event an individual must possess an understanding of the theory of operation, purpose, location and how to inspect all components associated to this system.

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

## **INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>**: Given a tactical wheeled vehicle, tools, test equipment, shop supplies, repair parts and references.

**STANDARD:** To ensure vehicle operates properly.

### PERFORMANCE STEPS:

- 1. Inspect the steering system for serviceability.
- 2. Diagnose the cause of a malfunctioning steering system.
- 3. Repair components of the steering system.
- 4. Replace components of the steering system.
- 5. Test the steering system.

# **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. TM 9-8000 Principles of Automotive Vehicles

3521-MAIN-1013: Perform maintenance on the suspension system

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

**DESCRIPTION:** In the execution of this event an individual must possess an understanding of the theory of operation, purpose, location and how to inspect all components associated to this system.

### MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

## **INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>**: Given a tactical wheeled vehicle, tools, test equipment, shop supplies, repair parts and references.

**STANDARD:** To ensure vehicle operates properly.

# PERFORMANCE STEPS:

- 1. Inspect the suspension system for serviceability.
- 2. Diagnose the cause of a malfunctioning suspension system.
- 3. Repair components of the suspension system.
- 4. Replace components of the suspension system.
- 5. Test the suspension system.

### **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. TM 9-8000 Principles of Automotive Vehicles

3521-MAIN-1014: Perform maintenance on the hydraulic system

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

**DESCRIPTION:** In the execution of this event an individual must possess an understanding of the theory of operation, purpose, location and how to inspect all components associated to this system.

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Given a tactical wheeled vehicle, tools, test equipment, shop supplies, repair parts and references.

**STANDARD:** To ensure vehicle operates properly.

## PERFORMANCE STEPS:

- 1. Inspect the hydraulic system for serviceability.
- 2. Diagnose the cause of a malfunctioning hydraulic system.
- 3. Repair components of the hydraulic system.
- 4. Replace components of the hydraulic system.
- 5. Test the hydraulic system.

# **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. TM 9-8000 Principles of Automotive Vehicles

# 5005. INDEX OF 2000-LEVEL EVENTS

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3521-ADMN-2002	NO	Manage functional areas of maintenance	5-22
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		production	
3521-ADMN-2004	NO	Perform Technical Research	5-23
3521-ADMN-2005	NO	Perform maintenance Automated Information	5-24
		Systems (AIS) functions	
3521-ADMN-2006	NO	Manage Tool Kits and Shop Sets	5-26
3521-MAIN-2001	NO	Perform maintenance on automatic fire	5-27
		extinguishing systems (AFES)	
3521-MAIN-2002	NO	Perform maintenance on Central Tire	5-28
		Inflation System (CTIS)	
3521-MAIN-2003	NO	Perform maintenance on transmission	5-28
3521-MAIN-2004	NO	Perform maintenance on power	5-29
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3521-MAIN-2005	NO	Perform maintenance on electrical systems	5-30
3521-MAIN-2006	NO	Perform maintenance on engine	5-31
3521-MAIN-2007	NO	Replace engine	5-32

3521-MAIN-2008	NO	Perform maintenance on fuel system	5-33
3521-MAIN-2009	NO	Perform maintenance on HVAC system	5-34
3521-MAIN-2010	NO	Perform maintenance on hydraulic system	5-35
3521-MAIN-2011	NO	Utilize diagnostic equipment	5-35
3521-MAIN-2012	NO	Utilize precision tools	5-36
3521-MAIN-2013	NO	Handle hazardous material	5-37
3521-MAIN-2014	NO	Perform maintenance on steering system	5-38
3521-MAIN-2015	NO	Perform maintenance on suspension system	5-39
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		Ventilation/Air Conditioning (HVAC) system	
3521-OPER-2001	NO	Maintain vehicle auxiliary systems on	5-41
		motor transport equipment	
3521-OPER-2002	NO	Operate drivers display system/vehicle on	5-42
		board diagnostic system on motor transport	
		equipment	
3521-P-19-2000	NO	Maintain Truck, Airfield crash, fire,	5-42
		rescue (P-19R) fire-fighting	
		systems/components	
3521-PMCS-2001	NO	Perform Preventive Maintenance Checks and	5-43
		Services (PMCS)	

5006. 2000-LEVEL EVENTS

3521-ADMN-2001: Determine maintenance resources

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

**INITIAL TRAINING SETTING:** MOJT

CONDITION: Given equipment maintenance requirement and the references.

STANDARD: To meet mission requirements and sustain unit readiness.

### PERFORMANCE STEPS:

- 1. Determine Sets, Kits, Outfits, and Tools (SKOT) requirements.
- 2. Select required diagnostic equipment.
- 3. Determine POL requirements.
- 4. Determine part requirements.
- 5. Determine equipment requirements.
- 6. Determine personnel requirements.

# **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. MCO 1200.17\_ Military Occupational Specialty Manual (MOS Manual)
- 4. MCO 4400.150 Consumer-Level Supply Policy
- 5. MCO 5311.1\_ Total Force Structure Process (TFSP)
- 6. MCTP 8-10B How to Conduct Training
- 7. TM 11240-OD Principal Technical Characteristics of U.S. Marine Corps Motor Transportation Equipment

**3521-ADMN-2002:** Manage functional areas of maintenance

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3521

GRADES: LCPL, CPL, SGT, SSGT

**INITIAL TRAINING SETTING:** MOJT

**<u>CONDITION</u>**: Provided with an Automated Information System (AIS), a requirement, personnel, records and the references.

**STANDARD:** To ensure accuracy and compliance.

### PERFORMANCE STEPS:

- 1. Maintain maintenance administration.
- 2. Maintain personnel training.
- 3. Prepare records.
- 4. Prepare reports.
- 5. Maintain publications control.
- 6. Maintain equipment availability.
- 7. Conduct corrective maintenance.
- 8. Conduct supply support.
- 9. Perform calibration actions (as required).
- 10. Perform tool control procedures.
- 11. Perform equipment modifications (as required).

## **REFERENCES:**

- 1. AEMI Applicable Equipment Modification Instruction
- 2. AETM Applicable Equipment Technical Manuals
- 3. AIETM Applicable Interactive Electronic Technical Manual
- 4. MCBul 3000\_ Marine Corps Readiness Reportable Ground Equipment
- 5. MCO 3000.11\_ Ground Equipment Condition and Supply Materiel Readiness Reporting (MRR) Policy
- 6. MCO 4400.16\_ Uniform Material Movement and Issue Priority System (UMMIPS)
- 7. MCTP 8-10B How to Conduct Training
- 8. TI 4733-OD/1\_ Calibration Requirements Marine Corps Test, Measurement and Diagnostic Equipment Calibration and Maintenance Program
- 9. TI 4733-OD/10\_ Special Calibration of Torque Tools
- 10. TM 4700-15/1\_ Ground Equipment Record Procedures
- 11. UM 4000-125 Retail Supply and Maintenance Execution Procedures
- 12. UM 4790-5\_ Marine Corps User's Manual MIMMS (AIS) FMSS (with changes)

3521-ADMN-2003: Manage equipment through maintenance production

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3521

**GRADES:** LCPL, CPL, SGT, SSGT

**INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>**: Given references, Automated Information System (AIS), facility, requirement, personnel and equipment.

**STANDARD:** To maintain unit readiness.

## PERFORMANCE STEPS:

- 1. Identify the tasks to be performed through the four maintenance phases.
- 2. Determine preventive maintenance requirements.
- 3. Determine corrective maintenance requirements.
- 4. Determine required technical references.
- 5. Utilize AIS output reports.
- 6. Perform functions within a calibrations program.
- 7. Perform functions within a modifications program.
- 8. Determine TMDE as required.
- 9. Determine Sets, Kits, Outfits, and Tools (SKOT) as required.

## **REFERENCES:**

- 1. AEMI Applicable Equipment Modification Instruction
- 2. AETM Applicable Equipment Technical Manuals
- 3. AIETM Applicable Interactive Electronic Technical Manual
- 4. MCBul 3000\_ Marine Corps Readiness Reportable Ground Equipment
- MCO 3000.11\_ Ground Equipment Condition and Supply Materiel Readiness Reporting (MRR) Policy
- 6. MCO 4400.16\_ Uniform Material Movement and Issue Priority System (UMMIPS)
- 7. MCTP 8-10B How to Conduct Training
- 8. TI 4733-OD/1\_ Calibration Requirements Marine Corps Test, Measurement and Diagnostic Equipment Calibration and Maintenance Program
- 9. TI 4733-OD/10 Special Calibration of Torque Tools
- 10. TM 4700-15/1\_ Ground Equipment Record Procedures
- 11. UM 4000-125 Retail Supply and Maintenance Execution Procedures
- 12. UM 4790-5\_ Marine Corps User's Manual MIMMS (AIS) FMSS (with changes)

# MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** Technical references are not limited to technical manuals only. This includes Supply Instructions, Technical Instructions, Modification Instructions, Lubrication Instructions, Safety of Use Message, etc.

3521-ADMN-2004: Perform Technical Research

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3521

GRADES: LCPL, CPL, SGT, SSGT

### **INITIAL TRAINING SETTING:** MOJT

CONDITION: Given references, a requirement and equipment.

STANDARD: To validate resources to meet equipment readiness requirements.

# PERFORMANCE STEPS:

- 1. Access applicable publications associated to unit equipment.
- 2. Locate repair part information within the publications.
- 3. Determine usable on codes.
- 4. Determine Source Maintenance Recoverability (SMR) codes.
- 5. Determine parts information in AIS.
- 6. Determine advice codes.
- 7. Determine parts status.
- 8. Determine required delivery dates.
- 9. Determine Source of Supply.
- 10. Determine quantity unit pack (QUP).
- 11. Determine Unit of Issue.

## **REFERENCES:**

- 1. MCBul 3000\_ Marine Corps Readiness Reportable Ground Equipment
- MCO 3000.11\_ Ground Equipment Condition and Supply Materiel Readiness Reporting (MRR) Policy
- 3. MCO 4400.150 Consumer-Level Supply Policy
- 4. MCO 4733.1\_ Marine Corps Ground Test, Measurement and Diagnostic Equipment (TMDE) Calibration and Maintenance Program (CAMP)
- 5. MCO 4790.2\_ Field-Level Maintenance Management Policy (FLMMP)
- 6. MCO 4790.25\_ Ground Equipment Maintenance Program (GEMP)
- 7. MCO 4855.10\_ Product Quality Deficiency Report (PQDR) Program
- 8. MCO 5100.29 Marine Corps Safety Program
- 9. MCO P4790.1B Marine Corps Integrated Maintenance Management System (MIMMS) Introduction Manual (Mar 89)
- 10. TI 4733-OD/1\_ Calibration Requirements Marine Corps Test, Measurement and Diagnostic Equipment Calibration and Maintenance Program
- 11. TI 4733-OD/10\_ Special Calibration of Torque Tools
- 12. TM 4700-15/1\_ Ground Equipment Record Procedures
- 13. TM 9-8000 Principles of Automotive Vehicles
- 14. UM 4000-125 Retail Supply and Maintenance Execution Procedures
- 15. UM 4790-5\_ Marine Corps User's Manual MIMMS (AIS) FMSS (with changes)

### MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** Determining source of supply includes but is not limited to validating parts in demand supported items (DSI) and broken unit of issue (BUI). Technical research is not limited to AIS only.

3521-ADMN-2005: Perform maintenance Automated Information Systems (AIS) functions

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3521

GRADES: LCPL, CPL, SGT, SSGT

**INITIAL TRAINING SETTING:** FORMAL

CONDITION: Provided with an Automated Information System (AIS), requirement, personnel, records and the references.

STANDARD: To ensure accuracy and compliance.

## PERFORMANCE STEPS:

- Select proper role/responsibility. 1.
- 2. Review the universal work queue.
- Review historical maintenance records/reports. 3.
- 4. Create a service request (SR).
- 5. Create a task.
- 6. Assign a task.
- 7. Create a parts requirement.
- 8. Debrief a task.
- 9. Close a Service Request.
- 10. Obtain required reports.
- Analyze reports.
  Perform updates to forms/records.
- 13. Validate changes to required reports.

### **REFERENCES:**

- MCBul 3000\_ Marine Corps Readiness Reportable Ground Equipment 1.
- MCO 3000.11\_ Ground Equipment Condition and Supply Materiel Readiness 2. Reporting (MRR) Policy
- 3. MCO 4400.150 Consumer-Level Supply Policy
- MCO 4733.1\_ Marine Corps Ground Test, Measurement and Diagnostic 4. Equipment (TMDE) Calibration and Maintenance Program (CAMP)
- 5. MCO 4790.2\_ Field-Level Maintenance Management Policy (FLMMP)
- 6. MCO 4790.25\_ Ground Equipment Maintenance Program (GEMP)
- MCO 4855.10\_ Product Quality Deficiency Report (PQDR) Program 7.
- MCO 5100.29 Marine Corps Safety Program 8.
- MCO P4790.1\_ Marine Corps Integrated Maintenance Management System 9. Introduction
- 10. TI 4733-OD/1\_ Calibration Requirements Marine Corps Test, Measurement and Diagnostic Equipment Calibration and Maintenance Program
- 11. TI 4733-OD/10\_ Special Calibration of Torque Tools
- 12. TM 4700-15/1H w/ch 3 Ground Equipment Record Procedures
- 13. TM 9-8000 Principles of Automotive Vehicles
- 14. UM 4000-125 Retail Supply and Maintenance Execution Procedures

MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** Formal training for this event may be obtained through Material Readiness Training Center (MRTC) or through the Global Combat Support System-Marine Corps Unit Productivity Kit (UPK).

3521-ADMN-2006: Manage Tool Kits and Shop Sets

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3521

GRADES: LCPL, CPL, SGT, SSGT

**INITIAL TRAINING SETTING:** MOJT

**<u>CONDITION</u>**: Given the references, Sets, Kits, Outfits, and Tools (SKOT), Automated Information System (AIS) and required forms.

**STANDARD:** Ensuring availability, serviceability, accountability and cleanliness.

### PERFORMANCE STEPS:

- 1. Identify current publications.
- 2. Identify authorized SKOT.
- 3. Implement inventory procedures.
- 4. Supervise inventories.
- 5. Inspect inventory records.
- 6. Validate requisitions.
- 7. Enforce control methods.
- 8. Conduct tool disposition procedures.
- 9. Manage calibration program.
- 10. Conduct disposition of records.

## **REFERENCES:**

- 1. MCBul 3000\_ Marine Corps Readiness Reportable Ground Equipment
- 2. MCO 1130.76
- 3. MCO 3000.11\_ Ground Equipment Condition and Supply Materiel Readiness Reporting (MRR) Policy
- 4. MCO 4400.150 Consumer-Level Supply Policy
- 5. MCO 4733.1\_ Marine Corps Ground Test, Measurement and Diagnostic Equipment (TMDE) Calibration and Maintenance Program (CAMP)
- 6. MCO 4790.2\_ Field-Level Maintenance Management Policy (FLMMP)
- 7. MCO 4790.25 Ground Equipment Maintenance Program (GEMP)
- 8. MCO 4855.10\_ Product Quality Deficiency Report (PQDR) Program
- 9. MCO 5100.29 Marine Corps Safety Program
- 10. MCO P4790.1\_ Marine Corps Integrated Maintenance Management System Introduction
- 11. TI 4733-OD/10\_ Special Calibration of Torque Tools
- 12. TM 10209-10/1 Use and Care of Hand Tools and Measuring Tools
- 13. TM 4700-15/1H w/ch 3 Ground Equipment Record Procedures
- 14. TM 9-8000 Principles of Automotive Vehicles
- 15. UM 4000-125 Retail Supply and Maintenance Execution Procedures
- 16. UM 4790-5\_ Marine Corps User's Manual MIMMS (AIS) FMSS (with changes)

## MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** Unit Table of Equipment (TE) and unit Consolidated Memorandum Receipt (CMR) will be utilized to determine authorized equipment/requirement. Utilizing Stock List 3 (SL-3) and unit level authorization letters, determine authorized quantities beyond end item such as Using Unit Responsible Items (UURI), As Required (AR), and Garrison Peculiar. SKOT includes but is not limited to calibration equipment and Test Measurement Diagnostic Equipment (TMDE).

**3521-MAIN-2001**: Perform maintenance on automatic fire extinguishing systems (AFES)

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3521

GRADES: LCPL, CPL, SGT, SSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Given a fire suppression system, diagnostic Sets, Kits, Outfits, and Tools (SKOT), references, Automated Information System (AIS), shop supplies and cleaning materials.

**STANDARD:** To restore equipment to full safe operating capability.

## PERFORMANCE STEPS:

- 1. Determine automatic fire extinguishing system safety features.
- 2. Inspect automatic fire extinguishing system.
- 3. Diagnose an automatic fire extinguishing system.
- 4. Employ TMDE as required.
- 5. Employ Sets, Kits, Outfits, and Tools (SKOT) as required.
- 6. Repair an automatic fire extinguishing system.
- 7. Replace components (as required).
- 8. Validate repairs.
- 9. Document repairs in AIS.
- 10. Determine automatic fire extinguishing system safety features.
- 11. Update Automated Information Systems (AIS).

# **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. UM 4000-125 Retail Supply and Maintenance Execution Procedures

# MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** All AFES safety feature must be inspected/validated IAW applicable Technical Instructions (TI), Supply Instructions (SI), Maintenance Advisory Message (MAM), etc. AFES bottles cannot be removed from the system without all safety features in place in order to prevent death or bodily harm to personnel or severe damage to equipment. AFES applies to all system variants across the different Motor Transport platforms.

3521-MAIN-2002: Perform maintenance on Central Tire Inflation System (CTIS)

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3521

GRADES: LCPL, CPL, SGT, SSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided a faulty Central Tire Inflation System (CTIS), diagnostic Sets, Kits, Outfits, and Tools (SKOT), references, Automated Information System (AIS), shop supplies and cleaning materials.

STANDARD: To restore equipment to full operating capability.

## PERFORMANCE STEPS:

- 1. Troubleshoot malfunctioning CTIS.
- 2. Utilize schematics.
- 3. Employ TMDE as required.
- 4. Employ Sets, Kits, Outfits, and Tools (SKOT) as required.
- 5. Utilize technical references.
- 6. Determine parts requirement as required.
- 7. Replace defective components.
- 8. Validate repairs.
- 9. Document repairs in AIS.
- 10. Draft PODR as required.
- 11. Draft NAVMC 10772 as required.

#### **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. UM 4000-125 Retail Supply and Maintenance Execution Procedures

**3521-MAIN-2003:** Perform maintenance on transmission

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3521

**GRADES:** LCPL, CPL, SGT, SSGT

**INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>**: Provided a tactical vehicle, faulty transmission, diagnostic Sets, Kits, Outfits, and Tools (SKOT), replacement parts, shop supplies, cleaning materials, Automated Information System (AIS) and references.

STANDARD: To restore equipment to full operating capability.

# PERFORMANCE STEPS:

- 1. Troubleshoot defective transmission.
- 2. Employ TMDE as required.
- 3. Employ Sets, Kits, Outfits, and Tools (SKOT) as required.
- 4. Utilize applicable technical references.
- 5. Replace defective components.
- 6. Perform transmission adjustments as required.
- 7. Determine parts requirement as required.
- 8. Remove transmission as required.
- 9. Replace transmission as required.
- 10. Validate repairs.
- 11. Document repairs in AIS.
- 12. Draft PQDR as required.
- 13. Draft NAVMC 10772 as required.

#### **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. TM 10729A-34&P/2 Maintenance Manual Transmission Dynamometer System
- 4. UM 4000-125 Retail Supply and Maintenance Execution Procedures

### MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** Maintenance on the transmission applies to those repairs that are conducted in chassis in addition to unit removal and replacement.

3521-MAIN-2004: Perform maintenance on power divider/transfer.

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3521

GRADES: LCPL, CPL, SGT, SSGT

**INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Provided a tactical wheeled vehicle with a faulty power divider/transfer, diagnostic Sets, Kits, Outfits, and Tools (SKOT), references, Automated Information System (AIS), repair parts, shop supplies and cleaning materials.

STANDARD: To restore equipment to maintain unit readiness.

## PERFORMANCE STEPS:

- 1. Validate transfer serviceability.
- 2. Utilize schematics.
- 3. Employ diagnostic equipment.
- 4. Inspect for leak.
- 5. Adjust linkage, solenoid or sensor.
- 6. Replace sub-assembly, solenoid or sensor.
- 7. Remove power divider/transfer as required.
- 8. Install power divider/transfer as required.
- 9. Test power divider/transfer for serviceability.
- 10. Perform final quality control inspection.

#### **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. UM 4000-125 Retail Supply and Maintenance Execution Procedures

### MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** Maintenance on the power divider is limited to the P19R.

3521-MAIN-2005: Perform maintenance on electrical systems

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

**DESCRIPTION:** Electronic Management Systems incorporates all onboard vehicle electronic computers for example, Engine Control Unit (ECU), Vehicle Interface Module (VIM), Electronic Control Module (ECM). Auxiliary systems are defined as Material Handling Crane (MHC), winches, Load Handling System (LHS), and dump body systems.

MOS PERFORMING: 3521

GRADES: LCPL, CPL, SGT, SSGT

## **INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Given a tactical wheeled vehicle, faulty electrical system, diagnostic Sets, Kits, Outfits, and Tools (SKOT) replacement parts, shop supplies, cleaning materials, Automated Information System (AIS) and references.

5-30

STANDARD: To restore equipment to full operating capability.

## PERFORMANCE STEPS:

- 1. Operate auxiliary systems.
- 2. Maintain auxiliary systems.
- Utilize schematic. 3.
- 4. Employ TMDE.
- 5. Employ Sets, Kits, Outfits, and Tools (SKOT) as required.
- 6. Troubleshoot starting system.
- 7. Repair starting system.
- 8. Troubleshoot electrical wiring.
- 9. Repair electrical wiring.
- Repair electrical wiring.
  Troubleshoot charging system.
- 11. Repair charging system.
- 12. Determine parts requirement as needed.
- 13. Perform secondary reparable replacement as required.
- 14. Troubleshoot Electronic Management Systems.
- 15. Replace electrical components as required.
- 16. Perform calibration on Electronic Management Systems as required.
- 17. Validate repairs.
- 18. Document repairs in AIS.
- 19. Draft PQDR as required.
- 20. Draft NAVMC 10772 as required.

### **REFERENCES:**

- MCBul 3000\_ Marine Corps Readiness Reportable Ground Equipment 1.
- MCO 4400.150 Consumer-Level Supply Policy 2.
- MCO 4733.1\_ Marine Corps Ground Test, Measurement and Diagnostic 3. Equipment (TMDE) Calibration and Maintenance Program (CAMP)
- MCO 4790.2 Field-Level Maintenance Management Policy (FLMMP) 4.
- 5. MCO 4790.25\_ Ground Equipment Maintenance Program (GEMP)
- 6. MCO 4855.10\_ Product Quality Deficiency Report (PQDR) Program
- MCO P4790.1\_ Marine Corps Integrated Maintenance Management System 7. Introduction
- 8. TI 4733-OD/10\_ Special Calibration of Torque Tools
- TM 4700-15/1H w/ch 3 Ground Equipment Record Procedures 9.
- 10. TM 9-8000 Principles of Automotive Vehicles
- 11. UM 4000-125 Retail Supply and Maintenance Execution Procedures
- 12. UM 4790-5 Marine Corps User's Manual MIMMS (AIS) FMSS (with changes)
- 3521-MAIN-2006: Perform maintenance on engine

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

- READINESS-CODED: NO
- MOS PERFORMING: 3521
- GRADES: LCPL, CPL, SGT, SSGT

# **INITIAL TRAINING SETTING:** FORMAL

CONDITION: Given a tactical wheeled vehicle, faulty engine, diagnostic Sets, Kits, Outfits, and Tools (SKOT) replacement parts, shop supplies, cleaning materials, Automated Information System (AIS) and references.

**STANDARD:** To restore equipment to full operating capability.

## PERFORMANCE STEPS:

- 1. Troubleshoot defective engine.
- 2. Employ TMDE as required.
- 3. Employ Sets, Kits, Outfits, and Tools (SKOT) as required.
- 4. Utilize applicable technical references.
- 5. Replace defective components.
- 6. Conduct cylinder compression test.
- 7. Perform engine adjustments as required.
- 8. Determine part requirements as required.
- 9. Perform secondary reparable replacement as required.
- 10. Replace subassemblies and components as required.
- 11. Remove transmission as required.
- 12. Replace transmission as required.
- 13. Validate repairs.
- 14. Document repairs in AIS.
- 15. Draft PQDR as required.
- 16. Draft NAVMC 10772 as required.

# **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. TM 12060A-OR/1 Operator Instructions for Analyzer Set, Vehicular (Vehicle Automated Diagnostic System: VADS Engineer Variant)
- 4. TM 9-8000 Principles of Automotive Vehicles
- 5. UM 4000-125 Retail Supply and Maintenance Execution Procedures

# MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** Actions completed under this task are in chassis repair and may also require the performance of task 3521-ELEC-2001: Perform maintenance on electrical systems to complete repairs such as flashing of the Electronic Control Module (ECM). Engine adjustments include but are not limited to injector height, valve lash adjustment, etc. Maintenance on the engine applies to those repairs that are conducted in chassis in addition to unit removal and replacement.

# 3521-MAIN-2007: Replace engine

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3521

# **GRADES:** LCPL, CPL, SGT, SSGT

## **INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Provided a tactical vehicle with a faulty engine, diagnostic Sets, Kits, Outfits, and Tools (SKOT), references, Automated Information System (AIS), repair parts, shop supplies and cleaning materials.

**STANDARD:** To restore equipment to full operating capability.

## PERFORMANCE STEPS:

- 1. Validate engine system serviceability.
- 2. Utilize schematics.
- 3. Employ diagnostic equipment.
- 4. Diagnose faulty sub-assemblies and components.
- 5. Determine part requirements.
- 6. Inspect flywheel/flexplate.
- 7. Replace flywheel/flexplate.
- 8. Replace oil pan/gasket.
- 9. Replace cylinder head gasket.
- 10. Replace oil pump.
- 11. Remove engine as required.
- 12. Replace engine as required.
- 13. Conduct cylinder compression test.
- 14. Determine cause of failure.
- 15. Determine cause of leak.
- 16. Test engine for serviceability.
- 17. Perform final quality control inspection.

#### **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. TM 9-8000 Principles of Automotive Vehicles

3521-MAIN-2008: Perform maintenance on fuel system

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3521

GRADES: LCPL, CPL, SGT, SSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Given a tactical wheeled vehicle, faulty fuel system, diagnostic Sets, Kits, Outfits, and Tools (SKOT), replacement parts, shop supplies, cleaning materials, Automated Information System (AIS) and references.

STANDARD: To restore equipment to full operating capability.

### PERFORMANCE STEPS:

- 1. Troubleshoot defective fuel system.
- 2. Utilize schematics.
- 3. Employ TMDE as required.
- 4. Employ Sets, Kits, Outfits, and Tools (SKOT) as required.
- 5. Utilize applicable technical references.
- 6. Perform adjustments to components as required.
- 7. Determine part requirements as required.
- 8. Replace defective components.
- 9. Validate repairs.

- 10. Document repairs in AIS.
- 11. Draft PQDR as required.
- 12. Draft NAVMC 10772 as required.

### **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. TM 12060A-OR/1 Operator Instructions for Analyzer Set, Vehicular (Vehicle Automated Diagnostic System: VADS Engineer Variant)
- 4. TM 9-8000 Principles of Automotive Vehicles
- 5. UM 4000-125 Retail Supply and Maintenance Execution Procedures

3521-MAIN-2009: Perform maintenance on HVAC system

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3521

GRADES: LCPL, CPL, SGT, SSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided a tactical vehicle, faulty HVAC system, diagnostic Sets, Kits, Outfits, and Tools (SKOT), replacement parts, shop supplies, cleaning materials, Automated Information System (AIS) and references.

STANDARD: To restore equipment to full operating capability.

### PERFORMANCE STEPS:

- 1. Troubleshoot HVAC system.
- 2. Utilize schematics.
- 3. Employ TMDE as required.
- 4. Employ Sets, Kits, Outfits, and Tools (SKOT) as required.
- 5. Repair components as required.
- 6. Determine part requirements as required.
- 7. Replace components as required.
- 8. Validate repairs.
- 9. Document repairs in AIS.
- 10. Draft Product Quality Deficiency Report (PQDR) as required.
- 11. Draft NAVMC 10772 as required.

## **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. PQDR User's Guide Product Quality Deficiency Report (PQDR) User's Guide
- 4. UM 4000-125 Retail Supply and Maintenance Execution Procedures

# MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** Marines performing these repairs must have completed the refrigerant recovery/recycle qualification required by section 609 of the Clean Air Act.

3521-MAIN-2010: Perform maintenance on hydraulic system

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3521

GRADES: LCPL, CPL, SGT, SSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided a tactical vehicle, faulty hydraulic system, diagnostic Sets, Kits, Outfits, and Tools (SKOT), replacement parts, shop supplies, cleaning materials, Automated Information System (AIS) and references.

STANDARD: To restore equipment to full operating capability.

### PERFORMANCE STEPS:

- 1. Operate auxiliary systems.
- 2. Maintain auxiliary systems.
- 3. Troubleshoot hydraulic system.
- 4. Utilize schematics.
- 5. Employ TMDE as required.
- 6. Employ Sets, Kits, Outfits, and Tools (SKOT) as required.
- 7. Utilize applicable technical references.
- 8. Determine part requirements as required.
- 9. Replace components as required.
- 10. Perform adjustments as required.
- 11. Conduct repairs as required.
- 12. Validate repairs.
- 13. Document repairs in AIS.
- 14. Draft Product Quality Deficiency Report (PQDR) as required.
- 15. Draft NAVMC 10772 as required.

### **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. UM 4000-125 Retail Supply and Maintenance Execution Procedures

## MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** Repair of this systems may require interface with other vehicle systems. Auxiliary systems within the hydraulic system include but are not limited to the Material Handling Crane (MHC), Load Handling System (LHS), winches and dump body systems.

3521-MAIN-2011: Utilize diagnostic equipment

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3521

GRADES: LCPL, CPL, SGT, SSGT

**INITIAL TRAINING SETTING:** MOJT

**<u>CONDITION</u>**: Given diagnostic Sets, Kits, Outfits, and Tools (SKOT) and faulty equipment.

**STANDARD:** To restore equipment to operational condition.

## PERFORMANCE STEPS:

- 1. Inspect diagnostic test equipment.
- 2. Prepare diagnostic equipment for use.
- 3. Employ Diagnostic equipment.
- 4. Retrieve diagnostic system outputs.
- 5. Identify root cause of malfunction.
- 6. Conduct required maintenance actions.

### **REFERENCES:**

- 1. MCBul 3000\_ Marine Corps Readiness Reportable Ground Equipment
- MCO 3000.11\_ Ground Equipment Condition and Supply Materiel Readiness Reporting (MRR) Policy
- 3. MCO 4400.150 Consumer-Level Supply Policy
- 4. MCO 4733.1\_ Marine Corps Ground Test, Measurement and Diagnostic Equipment (TMDE) Calibration and Maintenance Program (CAMP)
- 5. MCO 4790.25\_ Ground Equipment Maintenance Program (GEMP)
- 6. MCO 4855.10\_ Product Quality Deficiency Report (PQDR) Program
- 7. MCO 5100.29 Marine Corps Safety Program
- 8. MCO P4790.1\_ Marine Corps Integrated Maintenance Management System Introduction
- 9. TI 4733-OD/1\_ Calibration Requirements Marine Corps Test, Measurement and Diagnostic Equipment Calibration and Maintenance Program
- 10. TM 10209-10/1\_ Use and Care of Hand Tools and Measuring Tools
- 11. TM 4700-15/1H w/ch 3 Ground Equipment Record Procedures
- 12. TM 9-8000 Principles of Automotive Vehicles

### MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** To emphasize the importance of utilizing diagnostic equipment, this event is covered during maintenance of each system.
**3521-MAIN-2012:** Utilize precision tools

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3521

GRADES: LCPL, CPL, SGT, SSGT

**INITIAL TRAINING SETTING:** MOJT

**<u>CONDITION</u>**: Given references, required tool, and equipment perform precision measurements.

**STANDARD:** To properly attain precision measurement on sub-assembly and components.

## PERFORMANCE STEPS:

- 1. Inspect precision tool for serviceability.
- 2. Identify the intended purpose of specific tools.
- 3. Identify required tool for measurement.
- 4. Determine required measurement.
- 5. Conduct measurement.
- 6. Record measurement.
- 7. Determine if component is within specifications.
- 8. Perform storage and maintenance procedures.
- 9. Identify proper care for tools.

# REFERENCES:

- 1. MCBul 3000 Marine Corps Readiness Reportable Ground Equipment
- 2. MCO 3000.11D Marine Corps Automated Readiness Evaluation System (MARES)
- 3. MCO 4400.150 Consumer-Level Supply Policy
- 4. MCO 4733.1B Marine Corps Test, Measurement, and Diagnostic Equipment (TMDE) Calibration and Maintenance Program (CAMP)
- 5. MCO 4790.25 Ground Equipment Maintenance Program (GEMP)
- 6. MCO 5100.29 Marine Corps Safety Program
- 7. MCO P4790.1 Marine Corps Integrated Maintenance Management System (MIMMS) Manual
- 8. TI 4733-OD/1 Calibration Requirements Marine Corps Test, Measurement and Diagnostic Equipment Calibration and Maintenance Program
- 9. TM 10209-10/1 Use and Care of Hand Tools and Measuring Tools
- 10. TM 4700-15/1H w/ch 3 Ground Equipment Record Procedures
- 11. TM 9-8000 Principles of Automotive Vehicles

## MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** To emphasize the importance of utilizing precision tools, this event is covered during maintenance of each system.

3521-MAIN-2013: Handle hazardous material

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3521

GRADES: LCPL, CPL, SGT, SSGT

**INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>**: Given references, a requirement, equipment and hazardous materials.

**STANDARD:** Minimizing risk to personnel, equipment or environment.

## PERFORMANCE STEPS:

- 1. Identify hazardous material.
- 2. Review Hazardous material references.
- 3. Employ Proper Protective Equipment.
- 4. Conduct the marking of hazardous materials.
- 5. Conduct the collection of hazardous materials.
- 6. Conduct the disposal of hazardous materials.

#### **REFERENCES:**

- 1. CFR 29 Code of Federal Regulations Labor
- CFR 40 Parts 260-265 Code of Federal Regulations Protection of Environment
- 3. CFR 49 PARTS 100-185 Code of Federal Regulations Transportation
- 4. DCAM 4145.11 Storage & Handling of Hazardous Material
- 5. MCO P5090.2\_ Environmental Compliance and Protection Manual
- 6. NAVMC DIR 5100.8 Marine Corps Occupational Safety and Health (OSH) Program Manual
- 7. NAVSEA SWO20-010 Shipping Inspector's Manual for CL V, Explosives, & related HAZMAT
- 8. NAVSEA SWO20-AF-ABK-010 Motor Vehicle Driver and Shipping Inspector's Manual for Ammunition, Explosives and Related Hazardous Materials
- 9. SW020-AC-SAF-010 Transportation and Storage Data for Ammunition, Explosives and Related Hazardous Materials
- 10. TM 11956A-QRG/1 Tool Kit Refrigerant Equipment (TKRE) Operations Manual
- 11. TM 9-6140-200-14 Lead Acid Batteries 4HN, 2H, 6TN
- 12. UM 4400.125 GCSS-MC User Manual

## MISCELLANEOUS:

## ADMINISTRATIVE INSTRUCTIONS:

Each Installations Environmental Management

Division (EMD) provides specific local/state regulations for handling/storing hazardous material/waste. Certification must be obtained through the local installations environmental organization.

3521-MAIN-2014: Perform maintenance on steering system

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3521

GRADES: LCPL, CPL, SGT, SSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided a tactical vehicle, faulty steering system, diagnostic Sets, Kits, Outfits, and Tools (SKOT), replacement parts, shop supplies, cleaning materials, Automated Information System (AIS) and references

STANDARD: To restore equipment to full operating capability.

## PERFORMANCE STEPS:

- Troubleshoot steering system. 1.
- 2. Utilize schematics.
- Employ TMDE as required. 3.
- Employ Sets, Kits, Outfits, and Tools (SKOT) as required. 4.
- 5. Utilize applicable technical references.
- 6. Diagnose faulty sub-assemblies and components.
- 7. Determine part requirements as required.
- 8. Replace subassemblies and components as required.
- 9. Perform wheel alignment.
- 10. Validate repairs.
- Document repairs in AIS.
  Draft Product Quality Deficiency Report (PQDR) as required.
- 13. Draft NAVMC 10772 as required.

## **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. UM 4000-125 Retail Supply and Maintenance Execution Procedures

3521-MAIN-2015: Perform maintenance on suspension system

READINESS-CODED: NO

MOS PERFORMING: 3521

GRADES: LCPL, CPL, SGT, SSGT

## **INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided a tactical vehicle, faulty suspension system, diagnostic Sets, Kits, Outfits, and Tools (SKOT), replacement parts, shop supplies, cleaning materials, Automated Information System (AIS) and references.

**STANDARD:** To restore equipment to full operating capability.

## PERFORMANCE STEPS:

- 1. Troubleshoot suspension system.
- 2. Utilize schematics.
- 3. Employ TMDE as required.
- 4. Employ Sets, Kits, Outfits, and Tools (SKOT) as required.
- 5. Utilize applicable technical references.
- 6. Diagnose faulty sub-assemblies and components.
- 7. Determine part requirements as required.
- 8. Replace subassemblies and components as required.
- 9. Validate repairs.
- 10. Document repairs in AIS.
- 11. Draft Product Quality Deficiency Report (PQDR) as required.
- 12. Draft NAVMC 10772 as required.

## **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. UM 4000-125 Retail Supply and Maintenance Execution Procedures

## MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** Repair of this systems may require interface with other vehicle systems.

<u>3521-MAIN-2016</u>: Perform maintenance on the Heating Ventilation/Air Conditioning (HVAC) system

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

**INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>**: Given a tactical wheeled vehicle, tools, test equipment, shop supplies, repair parts and references.

**STANDARD:** To ensure the vehicle operates properly.

### PERFORMANCE STEPS:

- 1. Inspect the Heating Ventilation/Air Conditioning (HVAC) system for serviceably.
- 2. Diagnose the cause of a malfunctioning Heating Ventilation/ Air Conditioning (HVAC) system.
- 3. Perform air conditioning system recovery procedures.
- 4. Vacuum the air conditioning system.
- 5. Repair unserviceable components of the Heating Ventilation/Air Conditioning (HVAC) system.
- 6. Replace unserviceable components of the Heating Ventilation/Air

Conditioning (HVAC) system.

- 7. Recharge the air conditioning system.
- 8. Inspect the air conditioning system for leaks.

## **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. TM 9-8000 Principles of Automotive Vehicles

#### MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: FLC provides certification through EPA 609.

**3521-OPER-2001:** Maintain vehicle auxiliary systems on motor transport equipment

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3521

GRADES: LCPL, CPL, SGT, SSGT

**INITIAL TRAINING SETTING:** MOJT

**<u>CONDITION</u>**: Provided with motor transport equipment, personnel, materials and references.

**STANDARD:** To ensure proper operation.

## PERFORMANCE STEPS:

- 1. Operate winch.
- 2. Maintain winch.
- 3. Operate Load Handling System (LHS).
- 4. Maintain Load Handling System (LHS).
- 5. Operate Material Handling Crane (MHC).
- 6. Maintain Material Handling Crane (MHC).
- 7. Operate dump bed.
- 8. Maintain dump bed.
- 9. Operate fifth wheel.
- 10. Maintain fifth wheel.
- 11. Operate ride height.
- 12. Maintain ride height.
- 13. Operate BMTU.
- 14. Maintain BMTU.

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. UM 4000-125 Retail Supply and Maintenance Execution Procedures

<u>3521-OPER-2002</u>: Operate drivers display system/vehicle on board diagnostic system on motor transport equipment

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3521

GRADES: LCPL, CPL, SGT, SSGT

**INITIAL TRAINING SETTING:** MOJT

**<u>CONDITION</u>**: Provided with motor transport equipment, personnel, materials and references.

**STANDARD:** To determine needed maintenance requirements.

## PERFORMANCE STEPS:

- 1. Perform before operations checks.
- 2. Start vehicle.
- 3. Operate drivers display system / vehicle on board diagnostic system.
- 4. Receive fault codes.
- 5. Perform during operations checks.
- 6. Disengage auxiliary power.
- 7. Turn off vehicle.
- 8. Perform after operations checks.

## **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual

**<u>3521-P-19-2000</u>**: Maintain Truck, Airfield crash, fire, rescue (P-19R) fire-fighting systems/components

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3521

GRADES: PFC, LCPL, CPL, SGT

## **INITIAL TRAINING SETTING:** MOJT

**<u>CONDITION</u>**: Given a P-19R with a damaged or faulty fire-fighting system or component, replacement parts, tools, equipment and references.

**STANDARD:** To successfully restore the system or component to operational status.

#### PERFORMANCE STEPS:

- 1. Operate the firefighting system.
- 2. Operate the Structural panel.
- 3. Perform maintenance on the water tank.
- 4. Perform maintenance on water supply.
- 5. Repair firefighting system components.
- 6. Perform maintenance on the foam delivery system.
- 7. Perform maintenance on the structural panel.
- 8. Perform maintenance on the power divider.
- 9. Perform maintenance on the water pump.
- 10. Perform maintenance on the auxiliary power unit (APU).
- 11. Perform maintenance on the booster heater.
- 12. Perform maintenance on the winterization heater.
- 13. Perform maintenance on the halotron system.
- 14. Perform maintenance on the deluge system.

## **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual

## MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** This event applies only to those 3521s assigned to units that operate and or support the Truck, Airfield, Crash, Fire, Rescue (P-19R). This includes Intermediate Maintenance activity (IMA) units.

3521-PMCS-2001: Perform Preventive Maintenance Checks and Services (PMCS)

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3521

GRADES: LCPL, CPL, SGT, SSGT

**INITIAL TRAINING SETTING:** MOJT

**<u>CONDITION</u>**: Given a tactical wheeled vehicle, Automated Information System (AIS), tools, test equipment, shop supplies, repair parts and references.

**STANDARD:** To maintain operational readiness and identify corrective maintenance actions.

## PERFORMANCE STEPS:

- 1. Identify PMCS interval.
- 2. Conduct PMCS.
- 3. Document maintenance actions as required.

- 1. MCBul 3000\_ Marine Corps Readiness Reportable Ground Equipment
- MCO 3000.11\_ Ground Equipment Condition and Supply Materiel Readiness Reporting (MRR) Policy
- 3. MCO 4400.150 Consumer-Level Supply Policy

- 4. MCO 4733.1B Marine Corps Test, Measurement, and Diagnostic Equipment (TMDE) Calibration and Maintenance Program (CAMP)
- 5. MCO 4790.21 Depot Level Source of Repair (DLSOR) POLICY
- 6. MCO 4790.25 Ground Equipment Maintenance Program (GEMP)
- 7. MCO 4855.10\_ Product Quality Deficiency Report (PQDR) Program
- 8. MCO 5100.29 Marine Corps Safety Program
- 9. MCO P4790.1\_ Marine Corps Integrated Maintenance Management System Introduction
- 10. TI 4733-OD/1\_ Calibration Requirements Marine Corps Test, Measurement and Diagnostic Equipment Calibration and Maintenance Program
- 11. TI 4733-OD/10\_ Special Calibration of Torque Tools
- 12. TM 10209-10/1\_ Use and Care of Hand Tools and Measuring Tools
- 13. TM 4700-15/1H w/ch 3 Ground Equipment Record Procedures
- 14. TM 9-8000 Principles of Automotive Vehicles
- 15. UM 4000-125 Retail Supply and Maintenance Execution Procedures
- 16. UM 4790-5\_ Marine Corps User's Manual MIMMS (AIS) FMSS (with changes)

# MOTOR-T T&R MANUAL

# CHAPTER 6

# MOS 3524 INDIVIDUAL EVENTS

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## MOTOR-T T&R MANUAL

## CHAPTER 6

## MOS 3524 INDIVIDUAL EVENTS

**6000. PURPOSE.** This chapter includes all individual events for the Fuel and Electrical Systems Mechanic. Each event is composed of an individual event title, condition, standard, performance steps, support requirements, and references. Accomplishment and proficiency level required is determined by the event standard.

# 6001. EVENT CODING

Events in this T&R Manual are depicted with an up to 12-character, 3-field alphanumeric system, i.e. XXXX-XXXX-XXXX. This chapter utilizes the following methodology:

a. Field one. This field represents the community. This chapter contains the following community code:

Code	Description
3524	Fuel and Electrical Systems Mechanic

b. Field two. This field represents the functional/duty area. This chapter contains the following functional/duty areas:

Code	Description
MAIN	Maintenance

c. Field three. This field provides the level at which the event is accomplished and numerical sequencing of events. This chapter contains the following event levels:

Code	Description		
2000	Core	Plus	Skills

## 6002. INDEX OF 2000-LEVEL EVENTS

Event Code	E-	Event	Page
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3524-MAIN-2001	NO	Perform maintenance on fuel system test	6-3
		equipment	
3524-MAIN-2002	NO	Perform maintenance on electrical	6-3
		component test equipment	
3524-MAIN-2003	NO	Repair a turbocharger	6-4
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3524-MAIN-2006	NO	Repair a generator	6-6
3524-MAIN-2007	NO	Repair a fuel injection pump	6-7
3524-MAIN-2008	NO	Repair an alternator	6-7

3524-MAIN-2009	NO	Repair personnel heater	б-8
3524-MAIN-2010	NO	Repair a nozzle	6-9
3524-MAIN-2011	NO	Repair a injector	6-9
3524-MAIN-2012	NO	Repair a fuel pump	6-10

#### 6003. 2000-LEVEL EVENTS

3524-MAIN-2001: Perform maintenance on fuel system test equipment

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3524

GRADES: LCPL, CPL, SGT

## **INITIAL TRAINING SETTING:** MOJT

**<u>CONDITION</u>**: Provided with fuel system component test and repair equipment, required tools, replacement parts, shop supplies, cleaning materials, Automated Information System (AIS) and references.

STANDARD: To maintain serviceable and operational equipment.

#### PERFORMANCE STEPS:

- 1. Perform applicable checks and services.
- 2. Troubleshoot electrical system.
- 3. Troubleshoot pneumatic system.
- 4. Troubleshoot hydraulic system.
- 5. Document all maintenance actions as required.
- 6. Determine cause of failure.
- 7. Replace defective components.

## **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. AVM2-PC OPERATING, SERVICING, AND SPARES MANUAL FUEL PUMPS/INJECTION PUMPS
- 4. Bacharach CD3 Operator and Service Manual Injectors
- 5. H.A. 290 INJ TEST ST 290 CUMMINS INJECTOR TEST STAND OPERATING AND SERVICING MANUAL
- 6. H.F. 491 TEST UNIT Hartridge H.F. 491 Mobile Test unit Operating, Servicing Manual
- 7. UM 4000-125 Retail Supply and Maintenance Execution Procedures

3524-MAIN-2002: Perform maintenance on electrical component test equipment

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3524

GRADES: LCPL, CPL, SGT

#### **INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Provided with alternator, generator, AGRS test stands, required tools, replacement parts, shop supplies, Automated Information System (AIS), cleaning materials and references.

STANDARD: To maintain serviceable and operational equipment.

#### PERFORMANCE STEPS:

- 1. Perform before operation checks and services.
- 2. Perform during operation checks and services.
- 3. Perform after operation checks and services.
- 4. Troubleshoot electrical system.
- 5. Determine cause of failure.
- 6. Replace defective components.

## **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. AGRS OPS AND MAINT OPERATIONAL AND MAINTENANCE MANUAL FOR AGRS TEST STAND, MODEL 93-1064
- 3. AIETM Applicable Interactive Electronic Technical Manual
- 4. UM 4000-125 Retail Supply and Maintenance Execution Procedures

3524-MAIN-2003: Repair a turbocharger

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3524

GRADES: LCPL, CPL, SGT

**INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>**: Provided with a faulty turbocharger, required tools, replacement parts, shop supplies, cleaning materials, Automated Information System (AIS) and references.

STANDARD: To maintain serviceable and operational equipment.

## PERFORMANCE STEPS:

- 1. Validate turbocharger is faulty.
- 2. Document all maintenance actions as required.
- 3. Disassemble the turbocharger.
- 4. Inspect the components for serviceability.
- 5. Determine cause of failure
- 6. Replace any unserviceable components.
- 7. Assemble the turbocharger.

## **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. Holset HC5A/HX80/82/83/85/HT4B/4C/80 Service Repair Manual
- 4. UM 4000-125 Retail Supply and Maintenance Execution Procedures

3524-MAIN-2004: Repair a blower

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3524

GRADES: LCPL, CPL, SGT

## **INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Provided with a faulty blower, required tools, replacement parts, shop supplies, cleaning materials, Automated Information System (AIS) and references.

STANDARD: To maintain serviceable and operational equipment.

## PERFORMANCE STEPS:

- 1. Validate blower is faulty.
- 2. Document all maintenance actions as required.
- 3. Disassemble the blower.
- 4. Inspect the blower components for serviceability.
- 5. Determine cause of failure.
- 6. Replace any unserviceable components.
- 7. Assemble blower.

#### **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. UM 4000-125 Retail Supply and Maintenance Execution Procedures

3524-MAIN-2005: Repair a starter

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3524

GRADES: LCPL, CPL, SGT

**INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>**: Provided with a faulty starter, required tools, replacement parts, shop supplies, cleaning materials, Automated Information System (AIS) and references.

**STANDARD:** To restore component to an operational level.

## PERFORMANCE STEPS:

- 1. Validate starter is faulty.
- 2. Document all maintenance actions as required.
- 3. Disassemble a starter.
- 4. Inspect the starter components for serviceability.
- 5. Determine cause of failure.
- 6. Replace any unserviceable components.
- 7. Assemble the starter.
- 8. Test the starter.

## **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. UM 4000-125 Retail Supply and Maintenance Execution Procedures

3524-MAIN-2006: Repair a generator

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3524

GRADES: LCPL, CPL, SGT

**INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Provided with a faulty generator, required tools, replacement parts, shop supplies, cleaning materials, Automated Information System (AIS) and references.

**STANDARD:** To restore component to an operational level.

#### **PERFORMANCE STEPS:**

- 1. Validate generator is faulty.
- 2. Document all maintenance actions as required.
- 3. Disassemble a generator.
- 4. Inspect the generator components for serviceability.
- 5. Determine cause of failure.
- 6. Replace any unserviceable components.
- 7. Assemble the generator.

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. TM 9-2920-242-34&P JACK & HEINTZ 300 AMP GENERATOR
- 4. UM 4000-125 Retail Supply and Maintenance Execution Procedures

3524-MAIN-2007: Repair a fuel injection pump

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3524

GRADES: LCPL, CPL, SGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided with a faulty injection pump, required tools, test equipment, replacement parts, shop supplies, cleaning materials, Automated Information System (AIS) and references.

STANDARD: To restore component to an operational level.

#### **PERFORMANCE STEPS:**

- 1. Perform a pretest.
- 2. Document all maintenance actions as required.
- 3. Disassemble the fuel injection pump.
- 4. Replace any unserviceable components.
- 5. Assemble the fuel injection pump.
- 6. Calibrate the fuel injection pump.

## **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. RS-8757A-50 Tractor, Med, Ft, Model D7G
- 4. TM 00038G-035 MEP006A, MEP105A & MEP115A Generators
- 5. UM 4000-125 Retail Supply and Maintenance Execution Procedures

3524-MAIN-2008: Repair an alternator

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3524

GRADES: LCPL, CPL, SGT

**INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>**: Provided with a faulty alternator, required tools, replacement parts, shop supplies, cleaning materials, Automated Information System (AIS) and references.

**STANDARD:** To restore component to an operational level.

## PERFORMANCE STEPS:

- 1. Validate alternator is faulty.
- 2. Document all maintenance actions as required.
- 3. Disassemble an alternator.
- 4. Inspect the alternator components for serviceability.
- 5. Determine cause of failure.
- 6. Replace any unserviceable components.
- 7. Assemble the alternator.
- 8. Test the alternator.

## **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. UM 4000-125 Retail Supply and Maintenance Execution Procedures

3524-MAIN-2009: Repair personnel heater

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3524

GRADES: LCPL, CPL, SGT

## **INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>**: Provided with a faulty personnel heater, required tools, replacement parts, shop supplies, cleaning materials, Automated Information System (AIS) and references.

**STANDARD:** To restore component to an operational level.

#### PERFORMANCE STEPS:

- 1. Validate personnel heater is faulty.
- 2. Document all maintenance actions as required.
- 3. Disassemble a heater.
- 4. Inspect the components serviceability.
- 5. Determine cause of failure.
- 6. Replace any unserviceable components.
- 7. Assemble the heater.
- 8. Test the heater.

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. TM 10843B-QRG QUICK REFERENCE GUIDE (QRG) FOR TEST STAND, HEATER TACTICAL VEHICLE. AUGUST 2014
- 4. TM 9-2540-205-24&P Organizational, Direct Support and General Support Maintenance Technical Manual for Vehicular Heaters
- 5. UM 4000-125 Retail Supply and Maintenance Execution Procedures

3524-MAIN-2010: Repair a nozzle

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3524

GRADES: LCPL, CPL, SGT

**INITIAL TRAINING SETTING:** MOJT

**<u>CONDITION</u>**: Provided with a faulty nozzle, required tools, test equipment, replacement parts, shop supplies, cleaning materials, Automated Information System (AIS) and references.

**STANDARD:** Restoring the component to an operational level.

## PERFORMANCE STEPS:

- 1. Perform a nozzle pretest.
- 2. Document all maintenance actions as required.
- 3. Disassemble the fuel nozzle.
- 4. Inspect the nozzle components for serviceability.
- 5. Determine cause of failure.
- 6. Replace any unserviceable components.
- 7. Assemble the nozzle.
- 8. Calibrate the nozzle.

## **REFERENCES**:

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. TM 00038G-035 MEP006A, MEP105A & MEP115A Generators
- 4. TM 9-2815-220-34 Direct Support and General Support Maintenance Manual for Engine with Container: Turbocharged, Diesel, Fuel Injection, 90-Degree "V" Type, Air cooled, 12-Cylinder, Assembly
- 5. UM 4000-125 Retail Supply and Maintenance Execution Procedures

3524-MAIN-2011: Repair a injector

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3524

GRADES: LCPL, CPL, SGT

#### **INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>**: Provided with a faulty injector, required tools, test equipment, replacement parts, shop supplies, cleaning materials, Automated Information System (AIS) and references.

**STANDARD:** Restoring the component to an operational level.

## PERFORMANCE STEPS:

- 1. Perform a injector pretest.
- 2. Document all maintenance actions as required.
- 3. Disassemble the injector.
- 4. Inspect the injector components for serviceability.
- 5. Determine cause of failure.
- 6. Replace any unserviceable components.
- 7. Assemble the injector.
- 8. Calibrate the injector.

## **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. UM 4000-125 Retail Supply and Maintenance Execution Procedures

3524-MAIN-2012: Repair a fuel pump

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3524

GRADES: LCPL, CPL, SGT

**INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>**: Provided with a faulty fuel pump, required tools, test equipment, replacement parts, shop supplies, cleaning materials, Automated Information System (AIS) and references.

**STANDARD:** To restore component to an operational level.

#### PERFORMANCE STEPS:

- 1. Perform a fuel pump pretest.
- 2. Document all maintenance actions as required.
- 3. Disassemble the fuel pump.
- 4. Inspect the components for serviceability.
- 5. Determine cause of failure
- 6. Replace any unserviceable components.
- 7. Assemble the fuel pump.
- 8. Calibrate the fuel pump.

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. UM 4000-125 Retail Supply and Maintenance Execution Procedures

# MOTOR-T T&R MANUAL

# CHAPTER 7

# MOS 3529 INDIVIDUAL EVENTS

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# MOTOR-T T&R MANUAL

#### CHAPTER 7

## MOS 3529 INDIVIDUAL EVENTS

**7000. PURPOSE.** This chapter includes all individual events for the Motor Transport Maintenance Chief. Each event is composed of an individual event title, condition, standard, performance steps, support requirements, and references. Accomplishment and proficiency level required is determined by the event standard.

# 7001. EVENT CODING

Events in this T&R Manual are depicted with an up to 12-character, 3-field alphanumeric system, i.e. XXXX-XXXX-XXXX. This chapter utilizes the following methodology:

a. Field one. This field represents the community. This chapter contains the following community code:

Code	Descri	iption		
3529	Motor	Transport	Maintenance	Chief

b. Field two. This field represents the functional/duty area. This chapter contains the following functional/duty areas:

Code	Description
ADMN	Administration
MAIN	Maintenance
OPER	Operations

c. Field three. This field provides the level at which the event is accomplished and numerical sequencing of events. This chapter contains the following event level:

Code	Description		
2000	Core	Plus	Skills

#### 7002. MOS 3529 BILLET DESCRIPTIONS/CORE CAPABILITIES

**CAREER PROGRESSION PHILOSOPHY:** The Motor Transport Maintenance Chief will complete the Motor Transport Maintenance Chiefs Course (MTMCC) Camp Johnson, NC. Upon graduation, the Motor Transport Maintenance Chief will conduct additional 2000-Level training while assigned in a variety of billets. 2000-Level training continues through completion of Professional Military Education (PME), available through seminar and distance learning courses.

**BILLET:** Motor Transport Maintenance Chief: Supervise the maintenance, repair, and inspection of motor transport vehicles, and supervise the activities of assigned personnel in a motor transport repair shop or facility. Assists the motor transport maintenance officer in all duties and tasks under his cognizance.

## Core Capabilities:

1. Provided oversight on motor transport maintenance functions.

- 2. Enforce the proper use of motor transport maintenance records.
- 3. Plan maintenance support.
- 4. Manage shop safety programs.
- 5. Manage a section's hazardous material/waste site.
- 6. Manage maintenance production.
- 7. Lead maintenance actions during convoy operations.

8. Coordinate the preparation of maintenance support equipment for embarkation.

- 9. Manage a load testing program.
- 10. Organize camouflaging of motor transport equipment.

11. Establish a tactical motor transport maintenance program.

12. Serve as Subject Matter Expert for Motor Transport Maintenance operations.

**BILLET:** Motor Transport Maintenance Chief Inspector Instructor: Active duty support personnel who instruct and assist SMCR units to maintain a continuous state of readiness for mobilization; inspect and render technical advice in command functions including administration, logistical support, and public affairs; and execute such collateral functions as may be directed by higher authority. The majority of AC, AR, and Selected Reserve (SMCR) personnel are integrated into a single chain of command which passes from individual units through the appropriate MSC. These Marines are subject to deployment with their assigned unit in the event of mobilization.

#### Core Capabilities:

1. Maintain the accountability, welfare, and discipline of a platoon and assigned equipment.

2. Perform Motor Transport Maintenance analyst inspections for subordinate units as required.

3. Make operational and training planning recommendations to the Inspector Instructor.

4. Capable of employing attachments to the platoon.

- 5. Serve unit collateral supporting billets.
- 6. Conduct operational risk management (ORM).
- 7. Conduct unit training management (UTM).
- 8. Mentor and develop unit leaders.

9. Capable of leading an approach march under an approach march load from an assembly area to an objective forty kilometers away in a time limit of less than eight hours.

10. Perform duties in support of funeral honors.

**BILLET:** Motor Transport Commodity Specialist: Supervise the maintenance, repair, and inspection of motor transport vehicles, and supervise the activities of assigned personnel in a motor transport repair shop or facility. Assists the motor transport maintenance officer in all duties and tasks under his cognizance.

## Core Capabilities:

1. Provide sound guidance in the establishment of maintenance related programs and in the enforcement of policies.

2. Supervise, analyze, and coordinate motor transport maintenance, ensuring systematic repair and accountability of equipment, components, and special equipment items.

3. Serve as collection for the unit's internal inspection program.

4. Provide guidance and response to for Maintenance Support Team requests, PMCS, and inspections.

5. Analyze motor transport maintenance information to evaluate equipment performance and maintenance production.

## BILLET: Motor Transport Maintenance Analyst

## Core Capabilities:

1. Coordinate, conduct, and evaluate inspections of Motor Transport units and commands.

2. Analyze issues and determine the appropriate course of action necessary to remove issues and determine the appropriate course of action.

3. Provide briefings containing inspection organization and Motor Transport Maintenance trend analysis.

4. Review analyze and revise inspection checklists.

## BILLET: Military Occupational Specialty Monitor:

## Core Capabilities:

1. Advise Manpower Management and Enlisted Assignment on matters related to 352X personnel.

2. Manage worldwide assignments for Marines in PMOS's 3521/3529 in all ranks from E1 TO E9.

3. Monitor unit strength to ensure combat readiness throughout the Marine Corps.

4. Mentor and counsel Marines on career progression and advancement.

Educate Officers, SNCO's and Marines on enlisted assignment policies.
 Screen Marines for special duties, independent duties, and other unique

assignments.

7. Recommend decisions for retention and lateral moves.

8. Conduct retention assistance visits to various commands as directed or requested.

# BILLET: Motor Transport Chief:

## Core Capabilities:

1. Serve as the Subject Matter Expert on all Motor Transport operations matters and advice the Commander on all matters pertaining to motor transport operations.

2. Advise the Executive Officer with regard to the conduct of all Motor Transport operations.

3. Synchronize Motor-T operations with the capabilities and readiness of the Motor Pool.

4. Manage the daily functioning of the company Motor Pool.

5. Develop and implement all Motor Transport training within the company.

6. Mentor MT SNCO on all aspects of Motor Transport operations.

7. Keep appraised of the latest Motor Transport operations information, and disseminate it throughout the company.

8. Oversee the acquisition, maintenance and accountability of all Motor-T equipment.

9. Oversee the employment of all Motor Transport equipment within the company.

10. Ensure the implementation of proper safety measures during Motor Transport Operations.

11. Oversee all administrative aspects of Motor Transport operations, to include: Licensing, Quality Control and Dispatching.

12. Review organizational T/O's and T/E's to ensure personnel and equipment requirements are consistent with the organizational mission.

13. Develop annual training requirements IAW MTP's METs and METLs.

## BILLET: LOS Academics Chief:

## Core Capabilities:

1. Maintain T/O staffing requirements through higher headquarters and HQMC MMEA for both 35XX and 04XX enlisted billets.

2. Direct an Instructor Development Program to include instructor and curriculum development training, to include the Master Instructor Program. 3. Oversee instructor evaluations, mentor instructors.

4. Assist in coordination of Course Content Review Boards.

5. Assist in preparation of Annual Training Input Plans (TIP) and fiscal year schedule of classes.

6. Assist in conduct of internal/external course inspections.

# BILLET: Commodity Specialist (Maint Bn): Core Capabilities:

1. Provide guidance and clarification of maintenance related programs and policies.

2. Coordinate field-level maintenance.

3. Response to Maintenance Support Team requests and inspections.

4. Analyze maintenance data to evaluate equipment performance and production.

5. Enlisted Marines development and assignment.

6. Monitor service requests, tasks, and parts requisitions within Autonmated Information Systems.

#### BILLET: Maintenance Operations Chief (LOGCOM):

## Core Capabilities:

1. Advise the Operation's Officer In Charge on all matters pertaining to equipment accountability/readiness and impact across the Marine Corps Enterprise.

2. Serve as the Senior Enlisted Advisor/Chief to the Operation's Officer In Charge and advising him/her on all matters relating to personnel, billets, administrative procedures, investigations, legal proceedings, and logistical support to include information management workflow.

3. Serve as the Senior Enlisted Subject Matter Expert (SME) for all maintenance related operations and reconcile with HOMC Occupational Specialty monitor's to identify, validate, and resolve personnel discrepancies within Marine Corps Logistics Command (MARCORLOGCOM).

4. Monitor all maintenance related Marine Corps Action Tracking System (MCATS) tasks within the MARCORLOGCOM.

5. Analyze maintenance processes within MARCORLOGCOM's subordinate commands, centers, and departments, initiate improvement activities, and provide training and mentoring to sustain processes and procedures.

6. Act as a liaison between internal/external agencies for all maintenance related matters and coordinate Motor Transport related programs efforts. 7. Responsible for providing planning, synchronization, and control of elements within the command.

8. Assist the Operation's Officer In Charge with input from subordinate elements and Commanders.

9. Functions as Subject Matter Expert responsible for reviewing policies and instructions as it applies to the Command and tactical/operational level logistics.

10. Provide oversight Depot level Induction/Production, Item Configuration, Material Readiness Reporting, Operational-level Logistics support, and Metrics/Measurement.

11. Serve as a Core Member on both the Depot Maintenance Workload Continuous Improvement Program, Materiel Accountability, and Auditability Policy Operational Planning Team.

12. Provide oversight of the functional areas of maintenance management for Depot, DMISA, Commercial, Prepositioning, and Stock Readiness.

13. Analyze, synchronize, and monitor LOGCOM's maintenance related activities and provide a comprehensive analysis based upon established priorities to the Commanding General (CG) and the Director.

BILLET: Commodity Specialist (LogCom):

## Core Capabilities:

1. Provide disposition instructions for return shipping and local Defense Reutilization Management Office (DRMO), to all PEI's for Motor Transport heavy tactical assets.

2. Serve as Marine Technical Specialist for Weapon System Management Team (WSMT).

3. Serve as Marine Liaison between the WSMT and the Operating Forces. 4. Provide technical assistance to Equipment Specialists, Program Managers, and Item Managers for current policies and procedures pertaining to all ground equipment.

5. Maintain proper equipment condition codes and quantities for assigned PEIs.

 6. Perform related services, disassembly requests and projects as directed.
 7. Provide professional, efficient and timely responses to requests for Logistics Command customer support and GCSS-MC WIR Service Requests.
 8. Serve as a Motor Transport Maintenance Advisor for the Marine Corps Logistics Command (MARCORLOGCOM) Maintenance Management Center (MMC) for new and existing equipment.

9. Manage Depot Maintenance Inter-service Support Agreements (DMISA) for the rebuild/repair of equipment by the Marine Corps for other services and the rebuild/repairs done by other services for the Marine Corps.

10. Serve as MARCORLOGCOM's liaison with Marine Corps Systems Command (MARCORSYSCOM) during the Depot Level Source of Repair process, acting as subject matter expert, advisor, and integrator for Enterprise Lifecycle Maintenance Planning (ELMP) Program.

11. Act as Liaison with non-Marine Corps customers and coordinate depot maintenance requirements for new and existing equipment.

12. Assist with in-process and final on-site inspections, testing, and acceptance as an authorized MARCORLOGCOM's representative.

13. Review Marine Corps Orders, directives, and technical manuals for current information concerning Motor Transport/Maintenance Management processes and procedures.

# BILLET: Maintenance Operations Chief (SysCom) MOTOR TRANSPORT ACQUISITION PROGRAM ANALYST:

## Core Capabilities:

1. Manages a weapon system, equipment, or tactical wheeled vehicle portfolio through the life cycle sustainment process

2. Manages the cost, schedule, and performance responsibilities of a weapon system, equipment, or tactical wheeled vehicle portfolio through the acquisition process

3. Leads and provides oversight of Product Support members assigned to the Individual Product Team (IPT) delivering a product support solution for weapon systems, equipment, or tactical wheeled vehicles.

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4. Leads tasks supporting pre-award contracts, financial management, risk management, systems engineering, total ownership cost determination, contract coordination, and communications.

5. Advise management and analyst personnel of corrective actions needed to maintain cost, schedule and performance parameters through the life cycle sustainment process.

6. Analyze and evaluate programmatic and administrative aspects of weapons systems acquisition programs (e.g. small arms, command and control)7. Identify actual or potential problem areas to evaluate the effect of alternative and/or corrective actions on program objectives

8. Coordinate with all levels of staff members (civilian, Marine, or other service members) and management to facilitate day-to-day financial and administrative requirements.

9. Advise management and analyst personnel of corrective actions needed to maintain cost, schedule and performance parameters through the life cycle sustainment process.

10. Leads and provides oversight of Product Support members assigned to the Individual Product Team (IPT) delivering a product support solution for weapon systems, equipment, or tactical wheeled vehicles.

**Billet:** Formal School Instructor: The Formal School Instructor will complete the Instructor Development Course (IDC) and the Curriculum Development Course (CDC) at the Train the Trainer School on Camp Johnson, NC. The Formal School Instructor is a Subject Matter Expert in Motor Transport maintenance and will be screened for assignment to duty as a Formal School Instructor by his/her parent command, the 352X Monitor, the Logistics Operations School Academics Chief, the Motor Transport Maintenance Instructional Company (MTMIC) Maintenance Instructional Section OIC and the (MTMIC) Advanced Maintenance Instruction Section OIC.

## Core Capabilities:

1. Implement formal instruction relating to maintenance and proper operation of automotive systems associated to tactical wheeled vehicles.

2. Develop, revise or update Master Lesson Files (MLF).

3. Be proficiently sound in the Marine Corps Instructional Designs and Systems Approach to Training and Education process.

4. Administer practical application exercises.

5. Administer perform and written evaluations.

6. Maintain training devices and resources associated to Motor Transport Maintenance.

 Perform curriculum development in line with Training and Readiness Manual.
 Maintain positive example for students through uniform appearance, fitness, integrity, maturity, and bearing.

## BILLET: Roadmaster:

## Core Capabilities:

 Make liaison and work in conjunction with the Provost Marshal's Office.
 Pull over all personnel operating government vehicles aboard the base not in accordance with references and/or safety regulations.

3. Issue citations, inspect and deadline tactical and Garrison Mobile Equipment (GME), which according to references are unsafe to operate due to safety or mechanical deficiencies.

4. Enforce all orders and regulations pertaining to the safe and efficient operation of all government vehicles by conducting patrols, safety inspections, spot checks and Patrol road network traveled by command vehicles.

5. Conduct liaison visits to unit motor transport facilities. 6. Conduct convoy pre-inspections to ensure equipment is safe, and cargo is properly loaded and secured. 7. Conduct convoy escort duties as required. 8. Render assistance to military/government vehicles operating within the posted area of responsibility. BILLET: Military Occupational Specialty (MOS) Specialist: MOS Specialists are the SMEs for a specific MOS or a group of similar MOSs. Core Capabilities: 1. Technical Advisor to the Motor Transport OccFld Manager. 2. Evaluate proposed changes to MOS Manual. 3. Serve as the focal point of contact for Motor Transport maintenance training. 4. Review training tracks for 352X MOSs 5. Participate in the development of programs training for Motor Transport Maintenance. 6. Provide MOS specialist expertise and assistance to capability initiatives pertaining to Motor Transport Maintenance. 7. Provide subject matter expertise in all Motor Transport related Manpower Estimate/MPTP IPTs. 8. Coordinate and organize schedule and content for Motor Transport Advisory Group 9. Coordinate and organize schedule and content for Motor Transport Breakout sessions at the DOD Maintenance Symposium. 10. Provide comments and recommendations to proposed TOECRs 11. Assist TF DOTMLPF&C WG analysis by providing OccFld expertise and assistance relating to manpower and equipment. BILLET: Quality Control Chief: Supervise the conduct of quality control throughout the maintenance phases to ensure repairs are properly conducted and validate repairs being conducted. Core Capabilities: 1. Supervise and perform induction Limited Technical Inspections of all equipment inducted into the maintenance commodity for repair IAW applicable MCO and Directives. 2. Determine maintenance requirements for motor transport tactical vehicle. 3. Determine personnel required for quality control operations. 4. Verify availability of maintenance resources to provide equipment inspections. 5. Verify Equipment records during initial inspections. 6. Supervise/conduct Quality Control inspections on all repairs completed by the maintenance activity.

7. Report all maintenance trends to the Maintenance Officer/Chief

8. Ensure maintenance is being conducted in accordance with the applicable technical manuals throughout all maintenance throughout all maintenance phases.

9. Determine and Manage corrective maintenance and preventive maintenance on equipment.

10. Supervise Warrant procedures for motor transport equipment.

11. Verify equipment modifications are monitored and recorded within MAIS.

## 7003. INDEX OF 2000-LEVEL EVENTS

Event Code	E	Event	Page

	Coded			
3529-ADMN-2001	NO	Supervise motor transport maintenance	7-9	
		functions		
3529-ADMN-2002	NO	Plan maintenance support	7-10	
3529-ADMN-2003	NO	Manage shop safety programs 7-		
3529-ADMN-2004	NO	Manage a hazardous material/hazardous		
		waste site		
3529-ADMN-2005	NO	Manage maintenance production 7-1		
3529-ADMN-2006	NO	Prepare maintenance support equipment for 7.		
		embarkation		
3529-MAIN-2001	NO	Direct a load testing program		
3529-MAIN-2002	NO	Perform systems troubleshooting 7-		
3529-OPER-2001	NO	Establish a tactical motor transport	7-15	
		maintenance facility		

# 7004. 2000-LEVEL EVENTS

3529-ADMN-2001: Supervise motor transport maintenance functions

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3529

GRADES: SSGT, GYSGT, MSGT, MGYSGT

**INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>**: Provided with a requirement, personnel, records and the references.

**STANDARD:** To ensure accuracy and compliance.

#### PERFORMANCE STEPS:

- 1. Manage personnel and training.
- 2. Manage records and reports.
- 3. Manage shop equipment.
- 4. Manage supply support.
- 5. Manage maintenance related programs.
- 6. Maintain equipment accountability.
- 7. Manage AIS input data.
- 8. Direct the roles and responsibilities of personnel.

- 1. AEMI Applicable Equipment Modification Instruction
- 2. AETM Applicable Equipment Technical Manuals

- 3. AIETM Applicable Interactive Electronic Technical Manual
- 4. ATI Applicable Technical Instruction
- 5. MCO 3000.11\_ Ground Equipment Condition and Supply Materiel Readiness Reporting (MRR) Policy
- 6. MCO 4400.16\_ Uniform Material Movement and Issue Priority System (UMMIPS)
- 7. MCO 4855.10\_ Product Quality Deficiency Report (PQDR) Program
- 8. MCTP 8-10B How to Conduct Training
- 9. TM 4700-15/1\_ Ground Equipment Record Procedures
- 10. TM 4790.2\_ MIMMS Field Procedures Manual
- 11. UM 4000-125 Retail Supply and Maintenance Execution Procedures

## MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** AIS data input includes but not limited to item install base notes, task notes, and all other required inputs that are needed to capture maintenance actions. The direction of roles and responsibilities includes but not limited to AIS functions and collateral duties.

3529-ADMN-2002: Plan maintenance support

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3529

**GRADES:** SSGT, GYSGT, MSGT, MGYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Given operation order, equipment and references.

STANDARD: Ensuring equipment availability to meet mission requirements.

## PERFORMANCE STEPS:

- 1. Determine equipment requirements.
- 2. Conduct mission analysis.
- 3. Determine Personnel requirement.
- 4. Determine Bill of Material requirement.
- 5. Assign Personnel.
- 6. Determine petroleum, oil and lubricant requirements.
- 7. Manage supply support.
- 8. Monitor maintenance budget.
- 9. Determine requirements for drafting Universal Needs Statement (UNS).
- 10. Determine requirements for drafting Table of Organization and Equipment Change Request (TOECR).
- 11. Identify adjacent supporting and supported capabilities/requirements.
- 12. Identify maintenance requirements based on fielding plan.

- 1. A CLS-SOW Appropriate Contracted Logistics Support Statement of Work
- 2. A-COTS Applicable Commercial Off The Shelf (COTS) Manuals
- 3. AETM Applicable Equipment Technical Manuals

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- 4. AFP Applicable Fielding Plan
- 5. AIETM Applicable Interactive Electronic Technical Manual
- 6. ALO/I Applicable Lubrication Order/Instruction
- 7. ATI Applicable Technical Instruction
- 8. FM 55-30 Army Motor Transport Units and Operations
- 9. MCO 1200.17\_ Military Occupational Specialty Manual (MOS Manual)
- 10. MCO 4400.150 Consumer-Level Supply Policy
- 11. MCO 5311.1\_ Total Force Structure Process (TFSP)
- 12. MCTP 3-40E Maintenance Operations
- 13. MCTP 8-10B How to Conduct Training
- 14. TM 11240-OD Principal Technical Characteristics of U.S. Marine Corps Motor Transportation Equipment

3529-ADMN-2003: Manage shop safety programs

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

- READINESS-CODED: NO
- MOS PERFORMING: 3529
- GRADES: SSGT, GYSGT, MSGT, MGYSGT
- **INITIAL TRAINING SETTING:** MOJT
- CONDITION: Given references, facilities, equipment and personnel.

STANDARD: To prevent damage to equipment or injury to personnel.

## PERFORMANCE STEPS:

- 1. Implement safety program.
- 2. Manage safety requirements when using compressed air.
- 3. Manage regulations for using load lifting equipment.
- 4. Manage regulations regarding a battery shop.
- 5. Manage requirements for marking hazards.
- 6. Ensure proper use of equipment.
- 7. Ensure proper regulations for the use of personal protective equipment (PPE)respirators.

#### **REFERENCES:**

- 1. CFR 29 Code of Federal Regulations Labor
- 2. NAVMC DIR 5100.8 Marine Corps Occupational Safety and Health (OSH) Program Manual
- 3. TM 10209-10/1\_ Use and Care of Hand Tools and Measuring Tools

## MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** Training of this event is supported by completion of the installation ground safety managers course.

3529-ADMN-2004: Manage a hazardous material/hazardous waste site

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 12 months

READINESS-CODED: NO

MOS PERFORMING: 3529

GRADES: SSGT, GYSGT, MSGT, MGYSGT

## **INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>**: Given references, a requirement, equipment, personnel, hazardous material and/or hazardous waste.

STANDARD: Mitigate risk to personnel, equipment or environment.

### PERFORMANCE STEPS:

- 1. Ensure proper use of Personal Protective Equipment.
- 2. Ensure proper disposal of hazardous material/ hazardous waste.
- 3. Maintain required hazardous material documentation.

## REFERENCES:

- 1. CFR 29 Code of Federal Regulations Labor
- 2. CFR 40 Code of Federal Regulations Hazardous Substances & Wastes
- 3. DCAM 4145.11 Storage & Handling of Hazardous Material
- 4. MCO 10330.2D Storage and Handling of Liquefied and Gaseous Compressed Gasses and Their Full and Empty Cylinders (Jun 00)
- 5. MCO 4450.12\_ DON'T DELETE-OTHER SCHOOLS USE THIS-BESIDES it is still valid at PEL Storage and Handling of Hazardous Materials
- 6. NAVMC DIR 5100.8\_ Marine Corps Occupational Safety and Health (OSH) Program Manual
- 7. NAVSEA SWO20-AF-ABK-010 Motor Vehicle Driver and Shipping Inspector's Manual for Ammunition, Explosives and Related Hazardous Materials
- 8. TM 9-6140-200-14 Lead Acid Batteries 4HN, 2H, 6TN

## MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** Formal training of this event is supported by environmental management division at each installation.

3529-ADMN-2005: Manage maintenance production

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 12 months

READINESS-CODED: NO

MOS PERFORMING: 3529

GRADES: SSGT, GYSGT, MSGT, MGYSGT

**INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>**: Given a motor transport shop, personnel, tools, supply requirements, Automated Information System (AIS) and tactical vehicles.

**STANDARD:** Ensuring compliance within the maintenance section and increasing the operational readiness of the unit.

## PERFORMANCE STEPS:

- 1. Manage a publication control library.
- 2. Manage calibrations program.
- 3. Manage modifications program.
- 4. Direct tool control.
- 5. Validate supply requirements.
- 6. Reconcile supply requirements.
- 7. Supervise Preventive Maintenance Checks and Services (PMCS).
- 8. Determine preventive maintenance requirements.
- 9. Determine corrective maintenance requirements.
- 10. Manage procedures for unique maintenance requirements.
- 11. Initiate Request for overflow maintenance when conditions warrant.

#### **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. ASL-3 Applicable Stock Listing
- 4. MCO 4400.150 Consumer-Level Supply Policy
- 5. MCO 5600.31\_ Marine Corps Printing, Publishing and Reprographics Equipment Regulations
- 6. MCO P5215.17\_ The Marine Corps Technical Publications System
- 7. MCTP 8-10B How to Conduct Training
- 8. NAVMC 2761 Catalog of Publications
- 9. SL 1-3 Index of Authorized Publications in Stock
- II 4733-OD/1\_ Calibration Requirements Marine Corps Test, Measurement and Diagnostic Equipment Calibration and Maintenance Program
- 11. TI 4733-OD/10\_ Special Calibration of Torque Tools
- 12. TM 4700-15/1\_ Ground Equipment Record Procedures
- 13. UM 4000-125 Retail Supply and Maintenance Execution Procedures
- 14. UM-MCPDS 5605 Marine Corps Publications Distribution System
- 15. UM-PLMS Marine Corps Publications Library Management System (PLMS) Users Manual

**3529-ADMN-2006:** Prepare maintenance support equipment for embarkation

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3529

GRADES: SSGT, GYSGT, MSGT, MGYSGT

## **INITIAL TRAINING SETTING:** MOJT

**<u>CONDITION</u>**: Provided with applicable reference materials and a requirement to prepare motor transport equipment.

**STANDARD:** To ensure equipment meets shipping requirements maintaining the units ability to rapidly deploy IAW MCRP 4-11.3G.

## PERFORMANCE STEPS:

- 1. Identify necessary equipment for mission.
- 2. Pack equipment.
- 3. Provide liaison with embarkation personnel.
- 4. Ensure SL-3 Complete.
- 5. Determine embarkation material.
- 6. Ensure tactical marking.
- 7. Prepare embarkation docs EDL.
- 8. Ensure completion of weather proofing.
- 9. Determine special lift handle requirements.
- 10. Determine special security requirements.
- 11. Determine HAZMAT embark requirements.

## **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. DOD Reg 4500.9-R Part I Defense Transportation Regulation Part I -Passenger Movements
- 4. DOD Reg 4500.9-R Part II Defense Transportation Regulation Part II Cargo Movement
- 5. JP 3-02.2 Amphibious Embarkation
- 6. MCO P4030.19\_ Preparing Hazardous Materials for Military Air Shipments
- 7. MCO P4030.21 Packing of Material
- 8. MCO P4030.31\_ Packing of Material, Preservation
- 9. MCO P4030.36 Marine Corps Packaging Manual
- 10. MCTP 13-10C Unit Embarkation Handbook
- 11. NAVSEA SWO20-AF-ABK-010 Motor Vehicle Driver and Shipping Inspector's Manual for Ammunition, Explosives and Related Hazardous Materials
- 12. TM 11240-OD Principal Technical Characteristics of U.S. Marine Corps Motor Transportation Equipment
- 13. TM 11275-15/3\_ Principal Technical Characteristics of U.S. Marine Corps Engineer Equipment

3529-MAIN-2001: Direct a load testing program

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

- READINESS-CODED: NO
- MOS PERFORMING: 3529
- GRADES: SSGT, GYSGT, MSGT, MGYSGT

**INITIAL TRAINING SETTING:** FORMAL

CONDITION: Given references, personnel, equipment and a requirement.

**STANDARD:** To meet operational requirements without damage to equipment or injury to personnel.

#### PERFORMANCE STEPS:

- 1. Determine load test requirements.
- 2. Perform an Annual Condition Inspection (ACI).
- 3. Facilitate the completion of a Non Destructive Test (NDT).
- 4. Perform a load test.
- 5. Utilize precision tools.
- 6. Complete required reports.
- 7. Direct the disposition of load test records.
- 8. Certify required reports as required.
- 9. Update AIS inputs as required.

#### **REFERENCES:**

- 1. MCO 11262.2B Standard Policy for Inspection, Testing, and Certification of Tactical Ground Load Lifting Equipment
- 2. UM 4000-125 Retail Supply and Maintenance Execution Procedures

## MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** A Certifying Official can be a 3529 in the absence of a 3510, 2110, 1310, and must be assigned in writing by the Units Commanding Officer.

3529-MAIN-2002: Perform systems troubleshooting

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

## READINESS-CODED: NO

**DESCRIPTION:** Mid-level and senior level maintenance leaders combine experience and advanced training in resolving complex maintenance tasks that are beyond the abilities of entry level technicians.

MOS PERFORMING: 3529

#### **INITIAL TRAINING SETTING:** FORMAL

CONDITION: Provided with equipment, SKOT, and the references.

STANDARD: To return equipment to an operational state of readiness.

## PERFORMANCE STEPS:

- 1. Identify diagnostic test equipment.
- 2. Prepare diagnostic equipment for use.
- 3. Employ Diagnostic equipment.
- 4. Retrieve diagnostic system outputs.
- 5. Identify root cause of malfunction.
- 6. Supervise required maintenance actions.

**REFERENCES:** TM 4795-34/2\_ Corrosion Prevention and Control, Rustproofing and Underbody Coating Procedures for Tactical Vehicles, Trailers, and Engineering Equipment

**3529-OPER-2001:** Establish a tactical motor transport maintenance facility

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3529

GRADES: SSGT, GYSGT, MSGT, MGYSGT

## **INITIAL TRAINING SETTING:** MOJT

CONDITION: Given references, a site location, equipment and personnel.

**STANDARD:** To safely meet operational requirement with no injury to personnel or damage to equipment.

## PERFORMANCE STEPS:

- 1. Conduct site reconnaissance.
- 2. Establish security.
- 3. Determine facility requirements.
- 4. Determine basic area requirements.
- 5. Determine emergency exits.
- 6. Determine requirements for a fire prevention plan.
- 7. Determine physical security requirements.
- 8. Develop a defense plan.
- 9. Determine environmental considerations.

- 1. ATP 4-11 Army Motor Transport Operations
- 2. MCTP 3-40E Maintenance Operations
- 3. MCTP 8-10B How to Conduct Training

# MOTOR-T T&R MANUAL

# CHAPTER 8

# MOS 3531 INDIVIDUAL EVENTS

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## MOTOR-T T&R MANUAL

#### CHAPTER 8

## MOS 3531 INDIVIDUAL EVENTS

**8000. PURPOSE.** This chapter includes all individual events for the Motor Vehicle Operator. Each event is composed of an individual event title, condition, standard, performance steps, support requirements, and references. Accomplishment and proficiency level required is determined by the event standard.

# 8001. EVENT CODING

Events in this T&R Manual are depicted with an up to 12-character, 3-field alphanumeric system, i.e. XXXX-XXXX-XXXX. This chapter utilizes the following methodology:

a. Field one. This field represents the community. This chapter contains the following community code:

Code	Descri	iption	
3531	Motor	Vehicle	Operator

b. Field two. This field represents the functional/duty area. This chapter contains the following functional/duty areas:

Code	Description		
ADMN	Administration		
OPER	Operator		

c. Field three. This field provides the level at which the event is accomplished and numerical sequencing of events. This chapter contains the following event levels:

Code	Desci	on	
1000	Core	Skill	ls
2000	Core	Plus	Skills

#### 8002. MOS 3531 BILLET DESCRIPTIONS/CORE CAPABILITIES

**BILLET:** Quality Control Non-Commissioned Officer (NCO). The Quality Control NCO must maintain the capabilities of core and core plus skills for a 353X that have been obtained through career progression. The Quality Control NCO Inspects, Verifies, Identifies, and inventories equipment prior to induction into maintenance. The Quality Control NCO ensures the maintenance section enters information on work performed on all equipment that maintenance actions are completed and will perform final close out and debrief of all tasks on the SR. Also, owning notification of completed maintenance on equipment.

## CORE CAPABILITIES:
Determine maintenance requirements for motor transport tactical vehicle
Verify Equipment records during initial inspections.

3. Check/Verify modification discrepancies and physical actions to validate completion or application of required modifications.

4. Ensure maintenance is being conducting through the proper phases.

5. Determine and manage corrective maintenance and preventive maintenance on equipment.

6. Ensure that PMCS is accounted for in the AIS.

7. Verify equipment modifications are monitored and recorded within MAIS.

8. Verify all specialty equipment requirements are monitored and recorded within MAIS.

**CAREER PROGRESSION PHILOSOPHY:** The Motor Transport Operator will complete the Motor Transportation Operators Course, at FLW, MO. Upon graduation, the Motor Transport Operator will conduct additional 2000-level training in a variety of motor transport operator billets. 2000-Level training continues through completion of Career, Intermediate, and Advanced Level Professional Military Education (PME), available through resident, seminar and distance learning courses.

BILLET: MOTOR TRANSPORT VEHICLE OPERATOR: Motor Vehicle Operators inspect, operate, and manage Medium and Heavy motor transport tactical wheeled vehicles in a variety of terrain and weather conditions to transport troops, supplies, and equipment to support combat and/or garrison operations. Motor Vehicle Operators manage and oversee the operations of the Light Tactical Vehicles and perform crew/operator level maintenance, fill required forms, and maintain/manage associated tools and equipment, to rated capacity, of which licensed to operate. Employs land navigation techniques and must be knowledgeable with the operation of radios and weapons when they are mounted on the vehicle. Responsible for Convoy security and the tactical employment of the 7.62 mm Medium Machine-Gun, the 50 cal., and 40mm Heavy Machine-Gun, and their support vehicle during convoy operations.

Core Capabilities: The 3531 must maintain the capabilities of core skills obtained at the Motor Transport Operators Basic Course. The 3531 must be proficient in the performance of operating motor transport equipment. 1. Perform Preventive Maintenance Checks and Services (PMCS). 2. Conduct movement of an MTVR. 3. Conduct movement of an LVSR. 4. Operate Load Handling System (LHS) on the LVSR. 5. Tow a tactical tactical trailer. 6. Operate a MTVR off-road over rough and uneven terrain. 7. Conduct recovery of a disabled MTVR. 8. Operate a tactical vehicle over soft surfaces terrain and roads. 9. Operate a tactical vehicle on varying grades and side slopes. 10. Conduct recovery of a disabled LVSR. 11. Operate a tacical vehicle over soft surfaces terrain and roads. 12. Operate a tactical vehicle on varying grades and side slopes.

**BILLET: MOTOR TRANSPORT NCO:** Responsible for the personal and professional counseling, welfare, accountability, readiness, and supervision of Marines in your charge.

# CORE CAPABILITIES:

Conduct periodic training and inspections that will challenge and develop subordinates.
Track the readiness and supply status of all equipment by using the Automated Information System (AIS) and output reports and coordinate the induction of equipment requiring maintenance.
Assist the Responsible Officer with accountability of all CMR equipment by ensuring proper documentation of all incoming and outgoing equipment is maintained.
Advise and inform the SNCOIC and Platoon Commander on matters relating to your military occupational specialty and battalion operations.
Conduct planning and supervise the execution for all motor transport equipment and personnel support for the battalion.
Ensure Operational Risk Management (ORM) is exercised in all daily

6. Ensure Operational Risk Management (ORM) is exercised in all daily operations.

**BILLET: Quality Control Non-Commissioned Officer (NCO).** The Quality Control NCO must maintain the capabilities of core and core plus skills for a 353X that have been obtained through career progression. The Quality Control NCO Inspects, Verifies, Identifies, and inventories equipment prior to induction into maintenance. The Quality Control NCO ensures the maintenance section enters information on work performed on all equipment that maintenance actions are completed and will perform final close out and debrief of all tasks on the Service Request. Also, owning notification of completed maintenance on equipment.

# CORE CAPABILITIES:

1. Determine maintenance requirements for motor transport tactical vehicle.

2. Verify Equipment records during initial inspections.

3. Check/Verify modification discrepancies and physical actions to validate completion or application of required modifications.

4. Ensure maintenance is being conducting through the proper phases.

5. Determine and manage corrective maintenance and preventive maintenance on equipment.

6. Ensure that PMCS is accounted for in the AIS.

7. Verify equipment modifications are monitored and recorded within MAIS.

8. Verify all specialty equipment requirements are monitored and recorded within MAIS.

**BILLET: Training Non-Commissioned Officer.** The Training NCO must maintain the capabilities of core and core plus skills for a 353X that have been obtained through career progression. The Training NCO establishes an annual training plan with the proper material and ensure each training event is conducted, monitored, and recorded.

### CORE CAPABILITIES:

1. Ensure annual training plan is created.

- 2. Ensure training plan is managed.
- 3. Determine material for training plan.
- 4. Provide individual and collective T&R events.
- 5. Ensure training events are monitored.
- 6. Verify training events are recorded properly.

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**BILLET: Platoon Sergeant.** The Platoon Sergeant must maintain the capabilities of core and core plus skills for a 353X that have been obtained through career progression. Platoon Sergeant must be proficient in the employment of all organic equipment. The Platoon Sergeant is capable of performing all the tasks required of a Motor Vehicle Operator. Platoon Sergeant carries out the orders of the Platoon Commander and operations chief.

### CORE CAPABILITIES:

1. Advise the platoon commander and operations chief on the discipline, appearance, control, conduct, and welfare of the platoon.

2. Advise the platoon commander and operations chief on all administrative matters pertaining to the Marines in the platoon.

- 3. Inspect the condition, care, and economical use of assigned equipment.
- 4. Provides leadership, counseling, and training to Marines.
- 5. Provides technical advice and assistance to supported units.

**BILLET: Dispatcher.** The dispatcher must conduct motor transport dispatching functions to support mission requirements while maintaining equipment accountability.

# CORE CAPABILITIES:

- 1. Process support requests.
- 2. Verify asset and operator/driver availability.
- 3. Validate required credentials.
- 4. Maintain visibility of vehicles and operators/drivers.
- 5. Verify issuance of required equipment.
- 6. Issue operational forms and records.
- 7. Verify completion of operational forms and records.
- 8. Identifying maintenance support, as required.
- 9. Maintain operational forms.

**BILLET: Licensing NCO** Responsible for informing the Motor Transportation Officer and Chief on all matters pertaining to the licensing section.

#### Core Capabilities:

1. Supervise a comprehensive licensing program capable of licensing operators and incidental drivers on tactical vehicles according to Marine Corps orders, Technical Manuals (TM) and Standard Operating Procedures (SOP).

2. Ensure personnel are licensed in accordance with applicable orders and directives.

3. Ensure rules and regulations regarding safe operation of vehicles are understood and adhered to.

4. Ensure proper care and first echelon maintenance required for tactical vehicles are understood and adhered to.

 Responsible for issuing new, renewed, upgraded, and duplicated licenses.
Maintain a licensing log containing card number, issue date, expiration date, and applicants name upon issuance of an OF-346.

7. Maintain a driver's history file for transactions process by the licensing office.

8. Ensure paperwork is filled out properly before submission to the Motor Transportation chief for review.

**BILLET: On Vehicle Equipment (OVE) Non-Commissioned Officer (NCO).** The OVE NCO must maintain the capabilities of core and core plus skills for a 353X that have been obtained through career progression. The OVE NCO must be proficient in employment of tools, chest, sets and test equipment.

# CORE CAPABILITIES:

- 1. Administer unit calibration programs.
- 2. Administer the Marine Corps TMDE CAMP.
- 3. Establish inventory Intervals/Schedule.
- 4. Establish Tool Control.

**BILLET: Formal School Instructor**. The Formal School Instructor must maintain the capabilities of core and core plus skills for a 353X that have been obtained through career progression. The Formal School Instructor establishes an annual training plan with the proper material and ensure each training event is conducted, monitored, and recorded.

# CORE CAPABILITIES:

1. Implement formal instruction relating to proper operations of motor transport equipment.

2. Develop, revise or update Master Lesson Files (MLF).

3. Be proficiently sound in the Marine Corps Instructional Designs and Systems Approach to Training and Education process.

4. Administer practical application exercises.

5 Administer perform and written evaluations.

6. Maintain training devices and resources associated to Motor Transport Equipment.

7. Perform curriculum development in line with Training and Readiness standards.

8. Maintain positive example for students through uniform appearance, fitness, integrity, maturity, and bearing.

Event Code	E-	Event	Page
	Coded		
3531-OPER-1001	NO	Perform Preventive Maintenance Checks and	8-6
		Services (PMCS)	
3531-OPER-1002	NO	Conduct movement of a MTVR (S/L)	8-7
3531-OPER-1003	NO	Conduct movement of a LVSR (S/L)	8-9
3531-OPER-1004	NO	Operate LVSR LHS	8-10
3531-OPER-1005	NO	Tow a tactical trailer	8-11
3531-OPER-1006	NO	Operate a MTVR off-road over rough and	8-12
		uneven terrain	
3531-OPER-1007	NO	Conduct recovery of a disabled MTVR	8-13
3531-OPER-1008	NO	Operate a tactical vehicle over soft	8-14
		surfaces terrain and roads.	
3531-OPER-1009	NO	Operate a tactical vehicle on varying	8-15
		grades and side slopes.	
3531-OPER-1010	NO	Conduct recovery of a disabled LVSR	8-16
3531-OPER-1011	NO	Operate a tactical vehicle over soft	8-17
		surfaces terrain and roads.	
3531-OPER-1012	NO	Operate a tactical vehicle on varying	8-19
		grades and side slopes.	

#### 8003. INDEX OF 1000-LEVEL EVENTS

8004. 1000-LEVEL EVENTS

3531-OPER-1001: Perform Preventive Maintenance Checks and Services (PMCS)

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3531

GRADES: PVT, PFC, LCPL, CPL, SGT

**INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>**: Given a requirement, references, motor transport equipment, forms, required tools and equipment.

**<u>STANDARD</u>**: To maintain operational readiness and identifying corrective maintenance actions.

### PERFORMANCE STEPS:

- 1. Determine applicable Technical Manual.
- 2. Gather resources.
- 3. Complete PMCS.
- 4. Complete operational forms/records.

### **REFERENCES:**

- 1. AEMI Applicable Equipment Modification Instruction
- 2. AETM Applicable Equipment Technical Manuals
- 3. AIETM Applicable Interactive Electronic Technical Manual
- 4. ALO/I Applicable Lubrication Order/Instruction
- 5. MCTP 3-40E Maintenance Operations
- 6. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
- 7. TC 21-305-20 Manual for the Wheeled Vehicle Operator
- 8. TI 2320-10/6 Zonal PMCS and Lubrication instruction for the MTVR Cargo Truck
- 9. TI 2320-OD/4 PMCS and Lubrication Instruction and operational checklist for LVSR FoV
- 10. TM 4700-15/1\_ Ground Equipment Record Procedures
- 11. TM 8H667-13&P/1 Drivers Vision Enhancer
- 12. TM 9-2610-200-14 PNEUMATIC TIRES & INNER TUBES
- 13. TM 9-6140-200-14 Lead Acid Batteries 4HN, 2H, 6TN

**3531-OPER-1002:** Conduct movement of a MTVR (S/L)

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 12 months

READINESS-CODED: NO

MOS PERFORMING: 3531

**GRADES:** PVT, PFC, LCPL, CPL, SGT

### **INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>**: Given a requirement, day or night, with the aid of an assistant, various environmental conditions, MTVR, references, forms, required tools and equipment.

**STANDARD:** To safely meet operational requirements with no injury to personnel or damage to equipment.

### PERFORMANCE STEPS:

- 1. Prepare operational forms and records.
- 2. Perform before operations checks.
- 3. Operate MTVR.
- 4. Employ/observe ground guide, as required.
- 5. Properly configure the MTVR for troop transport.
- 6. Properly configure the MTVR for cargo transport.
- 7. Load cargo.
- 8. Unload cargo.
- 9. Load personnel.
- 10. Unload personnel.
- 11. Perform during operations checks.
- 12. Perform emergency procedures on the MTVR, as required.
- 13. Properly stow all components for the MTVR.
- 14. Perform after operations checks.
- 15. Complete operational forms and records.

#### **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. ALO/I Applicable Lubrication Order/Instruction
- 4. FM 21-305 Manual for Wheeled Vehicle Driver
- 5. FM 31-70 Basic Cold Weather Manual
- 6. FM 7-28 Jungle Operations
- 7. FMFM 7-29 Mountain Operations
- 8. MCRP 3-40F.7 Multi-Service Tactics, Techniques, and Procedures for Tactical Convoy Operations (TCO)
- 9. MCRP 4-11.3F Convoy Operations Handbook
- 10. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
- 11. MCWP 3-35.6 Desert Operations
- 12. MTMCTEA PAM 55-20 Tiedown Handbook for Truck Movement
- 13. TB 9-639 Passenger-Carrying Capacity of Tactical and Administrative Vehicles Commonly Used to Transport Personnel
- 14. TC 3-21.60 Visual Signals
- 15. TC 3-25.26 Map Reading and Land Navigation
- 16. TM 11240-15/3\_ Tactical Motor Transport Licensing Official's Manual
- 17. TM 11240-OD Principal Technical Characteristics of U.S. Marine Corps Motor Transportation Equipment
- 18. TM 4700-15/1\_ Ground Equipment Record Procedures
- 19. USMC E2W2 ICD USMC Expeditionary Energy, Water, and Waste (E2W2) Initial Capabilities Document (ICD) (Sep 2011)
- 20. USMC EES&IP USMC Expeditionary Energy Strategy and Implementation Plan (Feb 2011)

# SUPPORT REQUIREMENTS:

SIMULATION EVALUATION:

SIMULATED SUITABILITY SIMULATOR UNIT OF MEASURE HOURS PM

Enclosure (1)

Yes	S/L	ODS	Marine Hours	3	Y
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### MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** Event must be trained to standard in simulation then live unless simulation capacity is not available, then live only training is appropriate.

**3531-OPER-1003:** Conduct movement of a LVSR (S/L)

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3531

GRADES: PVT, PFC, LCPL, CPL, SGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Given a requirement, day and night, LVSR, various environmental conditions, with the aid of an assistant, references, forms, required tools and equipment.

**STANDARD:** To safely meet operational requirements with no injury to personnel or damage to equipment.

# PERFORMANCE STEPS:

- 1. Prepare operational forms and records.
- 2. Perform before operations checks.
- 3. Operate LVSR.
- 4. Employ / Observe ground guide as required.
- 5. Transport cargo.
- 6. Perform during operations checks.
- 7. Perform emergency procedures, as required.
- 8. Perform after operations checks.
- 9. Complete operational forms and records.

- 1. AETM Applicable Equipment Technical Manuals
- 2. MCRP 3-40F.7 Multi-Service Tactics, Techniques, and Procedures for Tactical Convoy Operations (TCO)
- 3. MCRP 4-11.3F Convoy Operations Handbook
- 4. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
- 5. MCWP 3-35.6 Desert Operations
- 6. MTMCTEA PAM 55-20 Tiedown Handbook for Truck Movement
- 7. TB 9-639 Passenger-Carrying Capacity of Tactical and Administrative Vehicles Commonly Used to Transport Personnel
- 8. TM 4700-15/1\_ Ground Equipment Record Procedures
- 9. USMC E2W2 ICD USMC Expeditionary Energy, Water, and Waste (E2W2) Initial Capabilities Document (ICD) (Sep 2011)
- 10. USMC EES&IP USMC Expeditionary Energy Strategy and Implementation Plan

(Feb 2011)

#### SUPPORT REQUIREMENTS:

# SIMULATION EVALUATION:

SIMULATED	SUITABILITY	SIMULATOR	UNIT OF MEASURE	HOURS	PM
Yes	S/L	ODS	Marine Hours	3	Y

### MISCELLANEOUS:

# ADMINISTRATIVE INSTRUCTIONS:

A maintenance advisory message on the "Removal of the Load Handling System (LHS) Manual Control Lever Handles" was released to inform users to remove/not use the handles unless extreme cold weather. Awaiting on simulation for LVSR. Event must be trained to standard in simulation then live unless simulation capacity is not available, then live only training is appropriate. Maintenance Advisory for the removal of the logistics vehicle system replacement /LVSR cargo/handle, rod, valve NSN DTDR 241732Z MAR 16.

3531-OPER-1004: Operate LVSR LHS

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3531

GRADES: PVT, PFC, LCPL, CPL, SGT

**INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>**: Given a requirement, a Load Handling System (LHS), various environmental conditions, day or night, required tools and equipment, with the aid of an assistant and references.

**STANDARD:** To safely load and unload with no injury to personnel or damage to equipment.

- 1. Inspect LHS.
- 2. Identify load.
- 3. Configure LHS flat rack.
- 4. Configure LHS for container.
- 5. Determine placement of load.
- 6. Operate vehicle.
- 7. Employ/observe ground guide as required.
- 8. Position and center vehicle.
- 9. Employ controls (Remote Control Unit (RCU)/in cab).
- 10. Secure load before movement.
- 11. Transport load, as required.

- 12. Prepare vehicle for unloading.
- 13. Unsecure the load as required.
- 14. Employ LHS using RCU.
- 15. Disconnect load.
- 16. Properly secure LHS.

- 1. AETM Applicable Equipment Technical Manuals
- 2. MCRP 3-40F.7 Multi-Service Tactics, Techniques, and Procedures for Tactical Convoy Operations (TCO)
- 3. MCRP 4-11.3F Convoy Operations Handbook
- 4. TM 4700-15/1\_ Ground Equipment Record Procedures
- 5. USMC E2W2 ICD USMC Expeditionary Energy, Water, and Waste (E2W2) Initial Capabilities Document (ICD) (Sep 2011)
- 6. USMC EES&IP USMC Expeditionary Energy Strategy and Implementation Plan (Feb 2011)

# MISCELLANEOUS:

# ADMINISTRATIVE INSTRUCTIONS:

A maintenance advisory message on the "Removal of the Load Handling System (LHS) Manual Control Lever Handles" was released to inform users to remove/not use the handles unless extreme cold weather. Maintenance Advisory for the removal of the logistics vehicle system replacement /LVSR cargo/handle, rod, valve NSN DTDR 241732Z MAR 16

3531-OPER-1005: Tow a tactical trailer

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

GRADES: PVT, PFC, LCPL, CPL, SGT

**INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>**: Given a requirement, day or night, various environmental conditions, MTVR associated trailer, required tools and equipment, with the aid of an assistant, and references.

**STANDARD:** To safely meet operational requirements with no injury to personnel or damage to equipment.

- 1. Prepare operational forms and records.
- 2. Perform before operations checks.
- 3. Employ ground guide, as required.
- 4. Connect trailer to vehicle.
- 5. Operate equipment.
- 6. Perform during operations checks.
- 7. Perform after operations checks.
- 8. Disconnect trailer from vehicle.
- 9. Complete operational forms and records.

- 1. AETM Applicable Equipment Technical Manuals
- 2. MCRP 3-35.1D Cold Region Operations
- 3. MCRP 4-11.3F Convoy Operations Handbook
- 4. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
- 5. MCWP 3-35.1 Cold Weather Operations
- 6. MCWP 3-35.2 Mountain Operations
- 7. MCWP 3-35.5 Jungle Operations
- 8. MCWP 3-35.6 Desert Operations
- 9. TC 21-305-20 Manual for the Wheeled Vehicle Operator
- 10. TM 11240-15/3\_ Tactical Motor Transport Licensing Official's Manual
- 11. TM 4700-15/1\_ Ground Equipment Record Procedures
- 12. USMC E2W2 ICD USMC Expeditionary Energy, Water, and Waste (E2W2) Initial Capabilities Document (ICD) (Sep 2011)
- 13. USMC EES&IP USMC Expeditionary Energy Strategy and Implementation Plan (Feb 2011)

# SUPPORT REQUIREMENTS:

# SIMULATION EVALUATION:

SIMULATED	SUITABILITY	SIMULATOR	UNIT OF MEASURE	HOURS	PM
Yes	L/S	ODS	Marine Hours	1	Ν

### MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** Event performed live preferred/simulator optional. When available, simulation may be used to augment live training.

3531-OPER-1006: Operate a MTVR off-road over rough and uneven terrain

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3531

GRADES: PVT, PFC, LCPL, CPL, SGT

**INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>**: Given a requirement, day or night, various environmental conditions, references, with the aid of an assistant, required tools and equipment.

**<u>STANDARD</u>**: To safely meet operational requirements with no injury to personnel or damage to equipment.

- 1. Prepare operational forms and records.
- 2. Perform before operations checks.
- 3. Operate the medium tactical vehicle.

- 4. Transport cargo/personnel.
- 5. Perform during operations checks.
- 6. Employ ground guide, as required.
- 7. Perform after operations checks.
- 8. Complete operational forms and records.

- 1. FM 21-305 Manual for Wheeled Vehicle Driver
- 2. FM 31-70 Basic Cold Weather Manual
- 3. FM 7-28 Jungle Operations
- 4. FMFM 7-29 Mountain Operations
- 5. MCRP 4-11.3F Convoy Operations Handbook
- 6. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
- 7. MCWP 3-35.6 Desert Operations
- 8. MCWP 4-11.3 Transportation Operations
- 9. TC 3-25.26 Map Reading and Land Navigation
- 10. USMC E2W2 ICD USMC Expeditionary Energy, Water, and Waste (E2W2) Initial Capabilities Document (ICD) (Sep 2011)
- 11. USMC EES&IP USMC Expeditionary Energy Strategy and Implementation Plan (Feb 2011)

### SUPPORT REQUIREMENTS:

### SIMULATION EVALUATION:

SIMULATED	SUITABILITY	SIMULATOR	UNIT OF MEASURE	HOURS	PM
Yes	S/L	ODS	Marine Hours	1	Ν

### MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** Event must be trained to standard in simulation then live unless simulation capacity is not available, then live only training is appropriate.

3531-OPER-1007: Conduct recovery of a disabled MTVR

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

- READINESS-CODED: NO
- MOS PERFORMING: 3531
- GRADES: PVT, PFC, LCPL, CPL, SGT

# **INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>:** Given a requirement, day or night, various environmental conditions, medium tow bar, MTVR, with the aid of an assistant, required tools, equipment, and references.

**<u>STANDARD</u>**: To safely meet operational requirements and recover a disabled vehicle with no injury to personnel or damage to equipment.

### PERFORMANCE STEPS:

- 1. Prepare vehicle for flat tow.
- 2. Properly remove prop shaft.
- 3. Properly connect tow bar.
- 4. Connect safety chains and equipment.
- 5. Flat tow vehicle forward.
- 6. Flat tow vehicle in reverse.
- 7. Disconnect safety chains and equipment.
- 8. Notify Maintenance to reinstall prop shaft.
- 9. Disconnect tow bar.

# **REFERENCES:**

- 1. FM 21-305 Manual for Wheeled Vehicle Driver
- 2. FM 31-70 Basic Cold Weather Manual
- 3. FM 7-28 Jungle Operations
- 4. FMFM 7-29 Mountain Operations
- 5. MCRP 4-11.3F Convoy Operations Handbook
- 6. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
- 7. MCWP 3-35.6 Desert Operations
- 8. MCWP 4-11.3 Transportation Operations
- 9. TC 3-21.60 Visual Signals
- 10. TC 3-25.26 Map Reading and Land Navigation
- 11. TM 10867A-OR Medium Duty Tow Bar Kit
- 12. TM 11240-15/3\_ Tactical Motor Transport Licensing Official's Manual
- 13. TM 11240-OD Principal Technical Characteristics of U.S. Marine Corps Motor Transportation Equipment
- 14. USMC E2W2 ICD USMC Expeditionary Energy, Water, and Waste (E2W2) Initial Capabilities Document (ICD) (Sep 2011)
- 15. USMC EES&IP USMC Expeditionary Energy Strategy and Implementation Plan (Feb 2011)

**<u>3531-OPER-1008</u>**: Operate a tactical vehicle over soft surfaces terrain and roads.

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3531

GRADES: PVT, PFC, LCPL, CPL, SGT

# **INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>**: Given a requirement, with the aid of an assistant, references, day or night, various environmental conditions, MTVR, required tools and equipment.

**<u>STANDARD</u>**: To safely meet operational requirements with no injury to personnel or damage to equipment.

# PERFORMANCE STEPS:

- 1. Prepare operational forms and records.
- 2. Perform before operations checks.
- 3. Operate vehicle.
- 4. Properly engage transmission selector, as required.
- 5. Engage proper CTIS settings as required.
- 6. Perform during operations checks.
- 7. Employ ground guide, as required.
- 8. Perform after operations checks.
- 9. Complete operational forms and records.

### **REFERENCES:**

- 1. FM 21-305 Manual for Wheeled Vehicle Driver
- 2. FM 31-70 Basic Cold Weather Manual
- 3. FM 7-28 Jungle Operations
- 4. FMFM 7-29 Mountain Operations
- 5. MCRP 4-11.3F Convoy Operations Handbook
- 6. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
- 7. MCWP 3-35.6 Desert Operations
- 8. MCWP 4-11.3 Transportation Operations
- 9. TC 3-21.60 Visual Signals
- 10. TC 3-25.26 Map Reading and Land Navigation
- 11. TM 11240-15/3\_ Tactical Motor Transport Licensing Official's Manual
- 12. TM 11240-OD Principal Technical Characteristics of U.S. Marine Corps Motor Transportation Equipment
- 13. USMC E2W2 ICD USMC Expeditionary Energy, Water, and Waste (E2W2) Initial Capabilities Document (ICD) (Sep 2011)
- 14. USMC EES&IP USMC Expeditionary Energy Strategy and Implementation Plan (Feb 2011)

# SUPPORT REQUIREMENTS:

### SIMULATION EVALUATION:

SIMULATED	SUITABILITY	SIMULATOR	UNIT OF MEASURE	HOURS	PM
Yes	L/S	ODS	Marine Hours	1	Ν

### MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** Event performed live preferred/simulator optional. When available, simulation may be used to augment live training.

**3531-OPER-1009:** Operate a tactical vehicle on varying grades and side slopes.

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3531

GRADES: PVT, PFC, LCPL, CPL, SGT

### **INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>**: Given a requirement, with the aid of an assistant, references, day or night, various environmental conditions, MTVR, required tools, and equipment.

**<u>STANDARD</u>**: To safely meet operational requirements with no injury to personnel or damage to equipment.

# PERFORMANCE STEPS:

- 1. Prepare operational forms and records.
- 2. Perform before operations checks.
- 3. Operate vehicle on various degrees.
- 4. Perform during operations checks.
- 5. Employ ground guide, as required.
- 6. Perform after operations checks.
- 7. Complete operational forms and records.

### **REFERENCES:**

- 1. FM 21-305 Manual for Wheeled Vehicle Driver
- 2. FM 31-70 Basic Cold Weather Manual
- 3. FM 7-28 Jungle Operations
- 4. FMFM 7-29 Mountain Operations
- 5. MCRP 4-11 Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
- 6. MCRP 4-11.3F Convoy Operations Handbook
- 7. MCWP 3-35.6 Desert Operations
- 8. MCWP 4-11.3 Transportation Operations
- 9. TC 3-21.60 Visual Signals
- 10. TC 3-25.26 Map Reading and Land Navigation
- 11. TM 11240-OD Principal Technical Characteristics of U.S. Marine Corps Motor Transportation Equipment
- 12. USMC E2W2 ICD USMC Expeditionary Energy, Water, and Waste (E2W2) Initial Capabilities Document (ICD) (Sep 2011)
- 13. USMC EES&IP USMC Expeditionary Energy Strategy and Implementation Plan (Feb 2011)

### SUPPORT REQUIREMENTS:

# SIMULATION EVALUATION:

SIMULATED	SUITABILITY	SIMULATOR	UNIT OF MEASURE	HOURS	PM
Yes	L/S	ODS	Marine Hours	1	Ν

### MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** Event performed live preferred/simulator optional. When available, simulation may be used to augment live training.

3531-OPER-1010: Conduct recovery of a disabled LVSR

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3531

GRADES: PVT, PFC, LCPL, CPL, SGT

**INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>**: Given a requirement, day or night, various environmental conditions, LVSR, heavy tow bar, disabled heavy tactical vehicle, required tools and equipment, and references.

**STANDARD:** To safely meet operational requirements and recover a disabled vehicle with no injury to personnel or damage to equipment.

### PERFORMANCE STEPS:

- 1. Prepare vehicle for flat tow.
- 2. Properly connect tow bar.
- 3. Connect safety chains and equipment.
- 4. Flat tow vehicle forward.
- 5. Flat tow vehicle in reverse.
- 6. Disconnect safety chains and equipment.
- 7. Disconnect tow bar.

### **REFERENCES:**

- 1. FM 21-305 Manual for Wheeled Vehicle Driver
- 2. FM 31-70 Basic Cold Weather Manual
- 3. FM 7-28 Jungle Operations
- 4. MCO 5100.19\_ W/CH 1-3 Marine Corps Traffic Safety Program (DRIVESAFE)
- 5. MCRP 4-11.3F Convoy Operations Handbook
- 6. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
- 7. MCWP 3-35.6 Desert Operations
- 8. MCWP 4-11.3 Transportation Operations
- 9. TC 3-25.26 Map Reading and Land Navigation
- 10. TM 11240-15/3\_ Tactical Motor Transport Licensing Official's Manual
- 11. TM 11240-OD Principal Technical Characteristics of U.S. Marine Corps Motor Transportation Equipment
- 12. TM 4700-15/1H w/ch 3 Ground Equipment Record Procedures

**<u>3531-OPER-1011</u>**: Operate a tactical vehicle over soft surfaces terrain and roads.

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3531

GRADES: PVT, PFC, LCPL, CPL, SGT

# **INITIAL TRAINING SETTING:** FORMAL

CONDITION: Given a requirement, with the aid of an assistant references, day or night, various environmental conditions, LVSR, required tools and equipment.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

#### PERFORMANCE STEPS:

- 1. Prepare operational forms and records.
- 2. Perform before operations checks.
- 3. Operate vehicle.
- 4. Properly engage transmission selector depending on surface as required.
- 5. Engage proper CTIS settings as required.
- 6. Perform during operations checks.
- 7. Employ ground guide, as required.
- 8. Perform after operations checks.
- 9. Complete operational forms and records.

# **REFERENCES:**

- FM 21-305 Manual for Wheeled Vehicle Driver 1.
- FM 31-70 Basic Cold Weather Manual 2.
- FM 7-28 Jungle Operations 3.
- 4. FMFM 7-29 Mountain Operations
- 5. MCO 5100.19 W/CH 1-3 Marine Corps Traffic Safety Program (DRIVESAFE)
- 6. MCRP 4-11.3F Convoy Operations Handbook
- 7. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
- 8. MCWP 3-35.6 Desert Operations
- 9. MCWP 4-11.3 Transportation 10. TC 3-21.60 Visual Signals MCWP 4-11.3 Transportation Operations
- 11. TC 3-25.26 Map Reading and Land Navigation
- 12. TM 11240-15/3\_ Tactical Motor Transport Licensing Official's Manual
- 13. TM 11240-OD Principal Technical Characteristics of U.S. Marine Corps Motor Transportation Equipment
- 14. TM 4700-15/1H w/ch 3 Ground Equipment Record Procedures
- 15. USMC E2W2 ICD USMC Expeditionary Energy, Water, and Waste (E2W2) Initial Capabilities Document (ICD) (Sep 2011)
- 16. USMC EES&IP USMC Expeditionary Energy Strategy and Implementation Plan (Feb 2011)

# SUPPORT REQUIREMENTS:

#### SIMULATION EVALUATION:

SIMULATED	SUITABILITY	SIMULATOR	UNIT OF MEASURE	HOURS	PM
Yes	L/S	ODS	Marine Hours	1	Ν

### MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: Event performed live preferred/simulator optional. When available, simulation may be used to augment live training. **<u>3531-OPER-1012</u>**: Operate a tactical vehicle on varying grades and side slopes.

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

**READINESS-CODED:** NO

MOS PERFORMING: 3531

GRADES: PVT, PFC, LCPL, CPL, SGT

**INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>**: Given a requirement, with the aid of an assistant, references, day or night, various environmental conditions, LVSR, required tools and equipment.

**STANDARD:** To safely meet operational requirements with no injury to personnel or damage to equipment.

### PERFORMANCE STEPS:

- 1. Prepare operational forms and records.
- 2. Perform before operations checks.
- 3. Operate vehicle on various degrees.
- 4. Perform during operations checks.
- 5. Employ ground guide, as required.
- 6. Perform after operations checks.
- 7. Complete operational forms and records.

# **REFERENCES**:

- 1. FM 21-305 Manual for Wheeled Vehicle Driver
- 2. FM 31-70 Basic Cold Weather Manual
- 3. FM 7-28 Jungle Operations
- 4. FMFM 7-29 Mountain Operations
- 5. MCO 5100.19\_ Marine Corps Traffic Safety Program (Drive Safe)
- 6. MCRP 4-11.3F Convoy Operations Handbook
- 7. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
- 8. MCWP 3-35.6 Desert Operations
- 9. MCWP 4-11.3 Transportation Operations
- 10. TC 3-21.60 Visual Signals
- 11. TC 3-25.26 Map Reading and Land Navigation
- 12. TM 11240-15/3\_ Tactical Motor Transport Licensing Official's Manual
- 13. TM 11240-OD Principal Technical Characteristics of U.S. Marine Corps Motor Transportation Equipment
- 14. TM 4700-15/1H w/ch 3 Ground Equipment Record Procedures
- 15. USMC E2W2 ICD USMC Expeditionary Energy, Water, and Waste (E2W2) Initial Capabilities Document (ICD) (Sep 2011)
- 16. USMC EES&IP USMC Expeditionary Energy Strategy and Implementation Plan (Feb 2011)

### SUPPORT REQUIREMENTS:

#### SIMULATION EVALUATION:

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	απτηλότι των			UOTIDC	DM

Enclosure (1)

Yes L/S ODS Marine Hours 1	Ν
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# MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** Event performed live preferred/simulator optional. When available, simulation may be used to augment live training.

# 8005. INDEX OF 2000-LEVEL EVENTS

Event Code	E-	Event	Page
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		related functions	
3531-ADMN-2102	NO	Manage the use of operational records	8-21
3531-OPER-2003	NO	Transport hazardous/explosive cargo	8-22
3531-OPER-2004	NO	Operate motor transport dump vehicle	8-23
3531-OPER-2005	NO	Conduct convoy operations	8-24
3531-OPER-2006	NO	Supervise Preventive Maintenance Checks	8-26
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3531-OPER-2007	NO	Camouflage equipment	8-27
3531-OPER-2008	NO	Prepare equipment for movement through	8-27
		available transportation nodes	
3531-OPER-2009	NO	Conduct motor transport dispatching	8-28
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3531-OPER-2010	NO	Perform Improved Ribbon Bridge (IRB)	8-29
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3531-OPER-2011	NO	Conduct operator/incidental driver	8-30
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3531-OPER-2014	NO	Perform fording operations	8-32
3531-OPER-2015	NO	Operate motor transport tractor with	8-33
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3531-OPER-2016	NO	Transport bulk liquids	8-34
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3531-OPER-2019	NO	Operate a tactical vehicle during night	8-36
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3531-OPER-2020	NO	Change tire on a tactical vehicle	8-37
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		spaces	
3531-OPER-2026	NO	Conduct emergency egress procedures in a	8-39
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3531-OPER-2027	NO	Operate a tactical vehicle in arctic {snow	8-40
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0.501 0.551		environment	
3531-OPER-2031	NO	Transport Flatrack Refueling Capability	8-44
2521 0555 0002			0.45
3531-0PER-2203	NO	operate motor transport equipment with	8-45

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3531-OPER-2213	NO	Supervise fording operations	8-46

#### 8006. 2000-LEVEL EVENTS

3531-ADMN-2101: Utilize Automated Information System (AIS) related functions

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3531

**GRADES:** CPL, SGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Given a requirement, automated information system (AIS), and references.

STANDARD: To maintain equipment readiness to support mission requirements.

### PERFORMANCE STEPS:

- 1. Reconcile AIS reports.
- 2. Complete AIS transactions, as required.

### **REFERENCES:**

- 1. BCS3 Users Guide Battle Command Sustainment Support System (BCS3) Users Guide
- 2. C2PC Users Guide Command and Control Personal Computer (C2PC) Users Guide (current version)
- 3. CLC2S Users Guide Common Logistics Command and Control System (CLC2S) Users Guide
- 4. MCO 4790.2\_ Field-Level Maintenance Management Policy (FLMMP)
- 5. MCO 4790.25\_ Ground Equipment Maintenance Program (GEMP)
- 6. MSTP PAM 4-0.1 Movement Control
- 7. TCPT Users Guide Transportation Capacity Planning Tool (TCPT) Users Guide
- 8. UM 4400.125 GCSS-MC User Manual

### MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** Formal training of Maintenance related AIS can be obtained through local Material Readiness Training Cell (MRTC).

3531-ADMN-2102: Manage the use of operational records

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3531

**GRADES:** CPL, SGT

**INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>**: Provided with references, automated information system (AIS), equipment, personnel, and the required forms.

**STANDARD:** Ensuring accuracy and completeness.

### PERFORMANCE STEPS:

- 1. Complete operational records.
- 2. Audit operational records.
- 3. Determine the disposition of operational records.

#### **REFERENCES:**

- 1. MCO 11240.118\_ Licensing Program for Tactical Wheeled Motor Transport Equipment Operators
- 2. TCPT Users Guide Transportation Capacity Planning Tool (TCPT) Users Guide
- 3. TM 11240-15/3\_ Tactical Motor Transport Licensing Official's Manual
- 4. TM 4700-15/1\_ Ground Equipment Record Procedures
- 5. UM 4790-5 MIMMS-AIS Field Maintenance Procedures

3531-OPER-2003: Transport hazardous/explosive cargo

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3531

GRADES: PVT, PFC, LCPL, CPL, SGT

**INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>**: Provided with a requirement, operational motor transport equipment, forms, required tools, and references.

**STANDARD:** Safely meeting operational requirements with no injury to personnel or damage to equipment.

#### PERFORMANCE STEPS:

- 1. Prepare equipment for inspection.
- 2. Employ appropriate hazardous material placards as required.
- 3. Utilize hazardous material documents as required.
- 4. Prepare operational forms and records.
- 5. Complete operational forms and records.

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. ALO/I Applicable Lubrication Order/Instruction
- 4. CFR 29 Code of Federal Regulations Labor

- 5. CFR 40 Code of Federal Regulations Hazardous Substances & Wastes
- 6. CFR 49 Parts 100-185 Code of Federal Regulations Transportation
- 7. DOD 4900.9R Defense Transportation Regulations (DTR)
- 8. FM 7-28 Jungle Operations
- 9. FMFM 7-29 Mountain Operations
- 10. MCO 10330.2D Storage and Handling of Liquefied and Gaseous Compressed Gasses and Their Full and Empty Cylinders (Jun 00)
- 11. MCO 11240.66E Licensing Program for Tactical Wheeled Motor Transport Equipment Operators
- 12. MCO 8023.3\_ Personnel Qualification and Certification Program for Class V Ammunition and Explosives
- 13. MCO P8020.11 W/ERRATUM DEPARTMENT OF THE NAVY EXPLOSIVES SAFETY POLICY
- 14. MCRP 3-40F.7 Multi-Service Tactics, Techniques, and Procedures for Tactical Convoy Operations (TCO)
- 15. MCRP 4-11.3F Convoy Operations Handbook
- 16. MCRP 4-11.6 Petroleum and Water Logistics Operations
- 17. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
- 18. MCWP 3-35.6 Desert Operations
- 19. MIL-HDBK-844A Aircraft Refueling Handbook for Navy and Marine Corps aircraft
- 20. MTMCTEA PAM 55-20 Tiedown Handbook for Truck Movement
- 21. NAVAIR 00-80T-109 Aircraft Refueling NATOPS Manual
- 22. NAVSEA OP 5 Vol 1 Ammunition and Explosives/Ashore Safety Regulations of Handling, Storage, Production, Renovation and Shipping
- 23. NAVSEA OP 5 Vol 3 Ammunition and Explosives Safety Ashore for Contingencies, Combat Operations, Military Operations Other Than War, and Associated Training
- 24. NAVSEA SW020-AG-SAF-010 Navy Transportation Safety Manual for Ammunition, Explosives and Related Hazardous Materials
- 25. NAVSEA SW023-AG-WHM-010 On-Station Movement of Ammunition and Explosives by Truck and Railcar
- 26. TC 21-305-20 Manual for the Wheeled Vehicle Operator
- 27. TM 11240-15/3\_ Tactical Motor Transport Licensing Official's Manual
- 28. TM 4700-15/1\_ Ground Equipment Record Procedures
- 29. TM 5-848-2 Handling of Aircraft and Automotive Fuels
- 30. USMC E2W2 ICD USMC Expeditionary Energy, Water, and Waste (E2W2) Initial Capabilities Document (ICD) (Sep 2011)
- 31. USMC EES&IP USMC Expeditionary Energy Strategy and Implementation Plan (Feb 2011)

#### MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** The Explosives Drivers Course (EDC)formal training can be obtained at each Base Installation/Station. Individuals must meet age requirements per local and federal regulations.

3531-OPER-2004: Operate motor transport dump vehicle

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3531

GRADES: PVT, PFC, LCPL, CPL, SGT

### **INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Given a requirement, various environmental conditions, a motor transport dump, forms, required tools and equipment, and references.

**STANDARD:** Safely meeting operational requirements with no injury to personnel or damage to equipment.

### PERFORMANCE STEPS:

- 1. Prepare operational forms and records.
- 2. Perform before operations checks.
- 3. Operate vehicle dump controls.
- 4. Secure the load.
- 5. Transport a load.
- 6. Prepare vehicle for troop transport.
- 7. Transport personnel, as required.
- 8. Perform during operations checks.
- 9. Perform emergency procedures.
- 10. Perform dump operations.
- 11. Employ ground guide, as required.
- 12. Perform after operations checks.
- 13. Complete operational forms and records.

#### **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. MCRP 3-40F.7 Multi-Service Tactics, Techniques, and Procedures for Tactical Convoy Operations (TCO)
- 3. MCRP 4-11.3F Convoy Operations Handbook
- 4. MCWP 3-35.5 Jungle Operations
- 5. TC 21-305-20 Manual for the Wheeled Vehicle Operator
- 6. TM 11240-15/3\_ Tactical Motor Transport Licensing Official's Manual
- 7. TM 4700-15/1 Ground Equipment Record Procedures
- 8. USMC E2W2 ICD USMC Expeditionary Energy, Water, and Waste (E2W2) Initial Capabilities Document (ICD) (Sep 2011)
- 9. USMC EES&IP USMC Expeditionary Energy Strategy and Implementation Plan (Feb 2011)

### SUPPORT REQUIREMENTS:

### SIMULATION EVALUATION:

SIMULATED	SUITABILITY	SIMULATOR	UNIT OF MEASURE	HOURS	PM
Yes	L/S	ODS	Marine Hours	4	Ν

# MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** Event performed live preferred/simulator optional. When available simulation may be used to augment live training.

3531-OPER-2005: Conduct convoy operations

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3531

**GRADES:** CPL, SGT

**INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>**: Given day or night, various environmental conditions, a requirement, references, vehicles, personnel, required tools, and equipment.

**STANDARD:** To ensure unit movement is completed to support mission requirements.

# PERFORMANCE STEPS:

- 1. Analyze the order.
- 2. Direct loading operations.
- 3. Identify classifications for routes.
- 4. Identify defense requirements of a tactical convoy.
- 5. Conduct convoy communication checks.
- 6. Organize the convoy in march order.
- 7. Assist in preparation of manifest.
- 8. Conduct a mission brief.
- 9. Inspect cargo loads.
- 10. Apply tactics, techniques, and procedures (TTP) to reduce, mitigate, counter or neutralize IED threats, as required.
- 11. Perform rehearsals (PCC, PCI, and immediate action drills).
- 12. Employ Command, Control, Communications, Computer, and Intelligence (C4I) systems in support of convoy operations.

- 1. AETM Applicable Equipment Technical Manuals
- 2. ATP 4-11 Army Motor Transport Operations
- 3. MCRP 3-40E.1 Recovery and Battle Damage Assessment and Repair (BDAR)
- 4. MCRP 3-40F.7 Multi-Service Tactics, Techniques, and Procedures for Tactical Convoy Operations (TCO)
- 5. MCRP 4-11.3F Convoy Operations Handbook
- 6. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
- 7. MCWP 3-40 Logistics Operations
- 8. MSTP PAM 4-0.1 Movement Control
- 9. NAVESEA SW020-AG-SAF-010 Navy Transportation Safety Handbook for Ammunition, Explosives and Related Hazardous Materials
- 10. NAVSEA OP 5 Vol 1 Ammunition and Explosives/Ashore Safety Regulations of Handling, Storage, Production, Renovation and Shipping
- 11. NAVSEA OP 5 Vol 3 Ammunition and Explosives Safety Ashore for Contingencies, Combat Operations, Military Operations Other Than War, and Associated Training
- 12. NAVSEA SWO20-AF-ABK-010 Motor Vehicle Driver and Shipping Inspector's Manual for Ammunition, Explosives and Related Hazardous Materials
- 13. TC 21-305-20 Manual for the Wheeled Vehicle Operator
- 14. TM 11240-15/B Principal Technical Characteristics of U.S. Marine Corps Motor Transportation Equipment
- 15. USMC E2W2 ICD USMC Expeditionary Energy, Water, and Waste (E2W2) Initial

Capabilities Document (ICD) (Sep 2011)

16. USMC EES&IP USMC Expeditionary Energy Strategy and Implementation Plan (Feb 2011)

# SUPPORT REQUIREMENTS:

SIMULATION	EVALUATION:				
SIMULATED	SUITABILITY	SIMULATOR	UNIT OF MEASURE	HOURS	PM
Yes	L/S	ODS	Marine Hours	4	N
Yes	L/S	DVTE	Marine Hours	4	Ν

### MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: Event performed live preferred/simulator optional using Deployable Virtual Training Environment (DVTE). Commander/Units should contact local Training Support Centers (TSC) to request Service-level endorsed CIED training via Marine Corps Tactics Operations Group (MCTOG) and Marine Corps Engineer School (MCES) at their respective home stations in order to meet METL based CIED requirements (sustainment and/or pre-deployment training).

3531-OPER-2006: Supervise Preventive Maintenance Checks and Services

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3531

**GRADES:** CPL, SGT

**INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>**: Given a requirement, motor pool environment, motor vehicles, personnel, required tools, and references.

**STANDARD:** To ensure proper preventive maintenance measures and techniques were completed to enhance readiness.

### PERFORMANCE STEPS:

- 1. Organize the vehicles and equipment.
- 2. Prepare operational forms, records, and resources.
- 3. Provide verbal guidance/direction on following technical manual steps (weekly/monthly).
- 4. Establish a "GO/NO GO" measure before process begins (ex. Red/Green flag).
- 5. Address all corrective maintenance issues on the spot.
- 6. Validate all vehicle discrepancies as illustrated in TM.
- 7. Induct vehicle into maintenance, as required.

1. AETM Applicable Equipment Technical Manuals

2. ATI Applicable Technical Instruction

3531-OPER-2007: Camouflage equipment

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3531

GRADES: PVT, PFC, LCPL, CPL, SGT

**INITIAL TRAINING SETTING:** MOJT

**<u>CONDITION</u>**: Given an environment, manufactured and natural materials, motor transport equipment, and references.

**STANDARD:** Ensuring concealment of personnel and equipment to prevent detection.

#### PERFORMANCE STEPS:

- 1. Identify camouflage requirements.
- 2. Establish vehicle dispersion.
- 3. Camouflage equipment using the manufactured materials.
- 4. Camouflage equipment using natural materials, as required.

# **REFERENCES:**

- 1. ATP 4-11 Army Motor Transport Operations
- 2. MCTP 3-34C Survivability Operations
- 3. TM 5-1080-200-13&P Operators' Organizational and Direct Support Manual for Lightweight Camouflage Screen Systems
- 4. TM 5-1080-250-12&P Ultralight Weight Camo Net System

**3531-OPER-2008:** Prepare equipment for movement through available transportation nodes

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3531

GRADES: PVT, PFC, LCPL, CPL, SGT

**INITIAL TRAINING SETTING:** MOJT

**<u>CONDITION</u>**: Provided with a requirement, references, personnel, tools and equipment.

**STANDARD:** Safely shipping equipment from one location to another without damage.

### PERFORMANCE STEPS:

- 1. Identify shipping requirements.
- 2. Review equipment height and weight.
- 3. Perform services required on equipment (based on node of transportation).
- 4. Inspect Equipment.
- 5. Verify equipment marking requirements.

#### **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. DOD 4500.9-R Defense Transportation Regulation (DTR)
- 4. JP 3-02.2 Amphibious Embarkation
- 5. MCO 4030.33\_ Packaging of Material
- 6. MCO 4030.36 Marine Corps Packing Manual
- 7. MCO 4030.40\_ Packaging of Hazardous Material
- 8. MCO P4030.19\_ Preparing Hazardous Materials for Military Air Shipments
- 9. MCO P4030.31\_ Packing of Material, Preservation
- 10. MCTP 13-10C Unit Embarkation Handbook
- 11. NAVSEA SW020-AF-HBK-010 Motor Vehicle Driver and Shipping Inspector's Handbook for Ammunition, Explosives and Related Hazardous Materials
- 12. TM 11240-OD Principal Technical Characteristics of U.S. Marine Corps Motor Transportation Equipment
- 13. TM 11275-15/4 Tactical Engineer Equipment Licensing Manual

**3531-OPER-2009:** Conduct motor transport dispatching functions

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

- MOS PERFORMING: 3531
- BILLETS: Chief Dispatcher, Dispatcher

**GRADES:** PFC, LCPL, CPL, SGT

**INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>**: Given a requirement, automated information system (AIS), personnel, equipment, forms, records, and references.

**<u>STANDARD</u>**: To support mission requirements while maintain equipment accountability.

- 1. Process support requests.
- 2. Verify asset and operator/driver availability.
- 3. Validate required credentials.
- 4. Maintain accountability of vehicles and operators/drivers.
- 5. Verify issuance of required equipment.
- 6. Issue operational forms and records.

- 7. Verify completion of operational forms and records.
- 8. Identify maintenance support, as required.
- 9. Maintain operational forms.

- 1. TCPT Users Guide Transportation Capacity Planning Tool (TCPT) Users Guide
- 2. TM 4700-15/1\_ Ground Equipment Record Procedures

#### MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** Formal training of MLS2 Programs can be obtained through local MAGTF Integrated Systems Training Centers (MISTC).

3531-OPER-2010: Perform Improved Ribbon Bridge (IRB) operation

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3531

GRADES: PVT, PFC, LCPL, CPL, SGT

**INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Given a requirement, an operational AMK/MKR18, Improved Ribbon Bridge section, required tools and equipment, and references.

**<u>STANDARD</u>**: To safely meet operational requirements with no injury to personnel or damage to equipment.

### PERFORMANCE STEPS:

- 1. Prepare vehicle for bridging operations.
- 2. Perform controlled launch/retrieval of IRB.
- 3. Perform free launch of IRB.
- 4. Perform high-bank launch/retrieval of IRB.
- 5. Load IRB from ground with Marine Corps Bridge Pallet (MCBP).
- 6. Unload IRB from MCBP.
- 7. Load MCBP.
- 8. Unload MCBP.
- 9. Load Bridge Erection Boat Cradle with and without boat.

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
- 4. SSDCTEA PAM 55-20 Tiedown Handbook for Truck Movement
- 5. TC 3-21.60 Visual Signals
- 6. TM 4700-15/1\_ Ground Equipment Record Procedures
- 7. USMC E2W2 ICD USMC Expeditionary Energy, Water, and Waste (E2W2) Initial Capabilities Document (ICD) (Sep 2011)
- 8. USMC EES&IP USMC Expeditionary Energy Strategy and Implementation Plan (Feb 2011)

# MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** This event applies to 3531 Marines in units with the Improved Ribbon Bridge (IRB) on their TO&Es. Additional requirements exists to conduct post Ribbon Bridge operations to prevent damage to the brake system.

3531-OPER-2011: Conduct operator/incidental driver training (L/S)

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3531

**GRADES:** CPL, SGT

**INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>**: Given a requirement, training facilities, personnel, motor transport equipment, operational forms and records, and references.

STANDARD: To meet requirements to obtain an OF 346.

### PERFORMANCE STEPS:

- 1. Conduct Phase I operator training.
- 2. Conduct Phase II operator training.
- 3. Administer IMVOC Performance Evaluation (as required).
- 4. Prepare licensing forms and records (as required).
- 5. Submit licensing forms and records (as required).
- 6. Coordinate testing with licensing authority (as required).
- 7. Validate recording of license qualifications.
- 8. Conduct remediation training (as required).
- 9. Conduct upgrades (as required).

### **REFERENCES:**

- 1. LOCAL SOP Local SOPs
- 2. MCO 11240.118 Standard Licensing Procedures to Operate Military Motor Vehicle
- 3. TM 11240-15/3\_ Tactical Motor Transport Licensing Official's Manual
- 4. USMC E2W2 ICD USMC Expeditionary Energy, Water, and Waste (E2W2) Initial Capabilities Document (ICD) (Sep 2011)
- 5. USMC EES&IP USMC Expeditionary Energy Strategy and Implementation Plan (Feb 2011)

# SUPPORT REQUIREMENTS:

### SIMULATION EVALUATION:

SIMULATED	SUITABILITY	SIMULATOR	UNIT OF MEASURE	HOURS	PM
Partial	L/S	ODS	Marine Hours	4	Y

# MISCELLANEOUS:

### ADMINISTRATIVE INSTRUCTIONS:

Event performed live preferred/simulator optional. When available, simulation may be used to augment live training. Sourced from TM 11240-15/3G:

(1)Phase One operator training. Complete all modules of the Incidental Motor Vehicle Operator Course (IMVOC) for the specific vehicle via distance learning on MarineNet; or with classroom instruction utilizing curriculum posted on eHQMC Motor Transport SharePoint site as prescribed by the Director, Motor Transport Instruction Company (MTIC), Fort Leonard Wood, MO. See Appendix D for information regarding access to training/testing material. (2)Phase Two operator training. Upon completion of the vehicle specific training modules, applicants must complete hands-on training to include "behind-the-wheel" practical application (road time) prior to receiving an upgrade endorsement. Hands-on training will be evaluated utilizing vehicle specific practical application checklists that cover all IMVOC Performance Tasks outlined in the approved training curriculum for each vehicle type the applicant is being licensed on.

3531-OPER-2012: Conduct vehicle self-recovery operations

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3531

**GRADES:** CPL, SGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Given a requirement, a vehicle to be recovered, tools, equipment, and references.

**STANDARD**: Returning the equipment to operational capability with no injury to personnel or damage to equipment.

#### **PERFORMANCE STEPS:**

- 1. Perform the eight step recovery method.
- 2. Enforce safety requirements.

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. FM 5-125 Rigging Techniques, Procedures and Applications
- 4. MCRP 3-40E.1 Recovery and Battle Damage Assessment and Repair (BDAR)
- 5. MCRP 3-40F.7 Multi-Service Tactics, Techniques, and Procedures for Tactical Convoy Operations (TCO)
- 6. MCRP 4-11.3F Convoy Operations Handbook

3531-OPER-2013: Supervise fording operations

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3531

GRADES: CPL, SGT

**INITIAL TRAINING SETTING:** MOJT

**<u>CONDITION</u>**: Provided with a mission, vehicle, a water obstacle, required tools and equipment, and references.

**<u>STANDARD</u>**: Safely meeting operational requirements with no injury to personnel or damage to equipment.

### PERFORMANCE STEPS:

- 1. Direct pre-fording checks and services.
- 2. Direct the fording operation.
- 3. Direct post-fording checks and services.

### **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. FM 55-30 Army Motor Transport Units and Operations
- 4. MCRP 3-40B.6 Multi-Service Tactics, Techniques, and Procedures for Operational Contract Support
- 5. MCRP 4-11.3F Convoy Operations Handbook
- 6. MCWP 3-17.1 Combined Arms Gap-Crossing Operations

3531-OPER-2014: Perform fording operations

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 24 months

READINESS-CODED: NO

MOS PERFORMING: 3531

GRADES: PFC, LCPL, CPL, SGT

**INITIAL TRAINING SETTING:** MOJT

**<u>CONDITION</u>**: Provided with fording mission, motor transport vehicle, a water obstacle, required tools and equipment, and references.

**STANDARD:** Safely meeting operational requirements with no injury to personnel or damage to equipment.

- 1. Perform pre-operation checks and services.
- 2. Ford water obstacle.
- 3. Perform after-operation checks and services.

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. ALO/I Applicable Lubrication Order/Instruction
- 4. FM 55-30 Army Motor Transport Units and Operations
- 5. MCRP 3-40F.7 Multi-Service Tactics, Techniques, and Procedures for Tactical Convoy Operations (TCO)
- 6. MCRP 4-11.3F Convoy Operations Handbook
- 7. MCWP 3-17.1 Combined Arms Gap-Crossing Operations

3531-OPER-2015: Operate motor transport tractor with semitrailer

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3531

GRADES: LCPL, CPL, SGT

**INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Given a requirement, various environmental conditions, an operational AMK/MK 31 tractor, semitrailer, forms, required tools and equipment, and references.

**STANDARD:** Safely meet operational requirements with no injury to personnel or damage to equipment.

#### PERFORMANCE STEPS:

- 1. Prepare operational forms.
- 2. Perform before operations checks.
- 3. Adjust fifth wheel, as required.
- 4. Employ kingpin as required.
- 5. Employ ground guide, as required.
- 6. Couple trailer to tractor.
- 7. Operate vehicle.
- 8. Lower gooseneck if applicable.
- 9. Load cargo.
- 10. Secure cargo.
- 11. Transport cargo.
- 12. Conduct backing procedures.
- 13. Perform during operations checks.
- 14. Perform emergency procedures, as required.
- 15. Perform after operations checks.
- 16. Uncouple trailer from tractor.
- 17. Complete operational forms and records

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. ALO/I Applicable Lubrication Order/Instruction
- 4. CFR 49 Parts 100-185 Code of Federal Regulations Transportation

- 5. DOD 4140.25 Management of Bulk Petroleum Products, Storage and Distribution Facilities
- 6. FM 21-305 Manual for Wheeled Vehicle Driver
- 7. TC 21-305-20 Manual for the Wheeled Vehicle Operator
- 8. TM 4700-15/1\_ Ground Equipment Record Procedures
- 9. USMC E2W2 ICD USMC Expeditionary Energy, Water, and Waste (E2W2) Initial Capabilities Document (ICD) (Sep 2011)
- 10. USMC EES&IP USMC Expeditionary Energy Strategy and Implementation Plan (Feb 2011)

# MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** This event pertains to units with MTVR tractor and semitrailer platforms.

3531-OPER-2016: Transport bulk liquids

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3531

GRADES: PVT, PFC, LCPL, CPL, SGT

**INITIAL TRAINING SETTING:** MOJT

**<u>CONDITION</u>**: Given day or night, various environmental conditions, a requirement, references, operational motor transport equipment, mobile bulk liquid delivery system, required tools and equipment.

**STANDARD:** To sustain operational requirements without injury to personnel or damage to equipment.

# PERFORMANCE STEPS:

- 1. Prepare system for loading (as required).
- 2. Employ appropriate hazardous material placards as required.
- 3. Utilize hazardous material documents as required.
- 4. Utilize secondary containment as required.
- 5. Load system onto motor transport equipment.
- 6. Load bulk liquid into the system (as required).
- 7. Recirculate fuel (as required).
- 8. Arrange for testing of potable water (as required).
- 9. Transport bulk liquid.
- 10. Dispense bulk liquid (as required).
- 11. Perform emergency shutdown (as required).

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. DCAM 4145.11 Storage & Handling of Hazardous Material
- 4. DOD 4140.25 Management of Bulk Petroleum Products, Storage and Distribution Facilities
- 5. DOD 4900.9R Defense Transportation Regulations (DTR)

- 6. FM 21-305 Manual for Wheeled Vehicle Driver
- 7. FM 7-28 Jungle Operations
- 8. FMFM 7-29 Mountain Operations
- 9. MCO P5090.2\_ Environmental Compliance and Protection Manual
- 10. MCRP 3-40F.7 Multi-Service Tactics, Techniques, and Procedures for Tactical Convoy Operations (TCO)
- 11. MCRP 4-11.3F Convoy Operations Handbook
- 12. MCRP 4-11.6 Petroleum and Water Logistics Operations
- 13. MCRP 4-11B Environmental Considerations
- 14. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
- 15. MCWP 3-35.1 Mountain Warfare Operations
- 16. MCWP 3-35.5 Jungle Operations
- 17. MCWP 3-35.6 Desert Operations
- 18. MIL-HDBK-844A Aircraft Refueling Handbook for Navy and Marine Corps aircraft
- 19. NAVMC DIR 5100.8\_ Marine Corps Occupational Safety and Health (OSH) Program Manual
- 20. NAVSEA SW020-AC-SAF0 Navy Transportation and Storage Data for Ammunition, Explosives, and Related Hazardous Materials
- 21. NAVSEA SW020-AF-HBK-010 Motor Vehicle Driver and Shipping Inspector's Handbook for Ammunition, Explosives and Related Hazardous Materials
- 22. TC 21-305-20 Manual for the Wheeled Vehicle Operator
- 23. TM 11240-15/3\_ Tactical Motor Transport Licensing Official's Manual
- 24. TM 4700-15/1\_ Ground Equipment Record Procedures
- 25. TM 5-848-2 Handling of Aircraft and Automotive Fuels
- 26. USMC E2W2 ICD USMC Expeditionary Energy, Water, and Waste (E2W2) Initial Capabilities Document (ICD) (Sep 2011)
- 27. USMC EES&IP USMC Expeditionary Energy Strategy and Implementation Plan (Feb 2011)

# MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** This task does not apply to the MK/AMK970. Applies to the Flat rack Refueler (FRC), fuel and water SIXCONs, M149 and applicable mobile bulk liquid delivery system pumps.

3531-OPER-2018: Tow a tactical trailer with MTVR/LVSR

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

- READINESS-CODED: NO
- MOS PERFORMING: 3531
- GRADES: PVT, PFC, LCPL, CPL, SGT

# **INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Given day or night, various environmental conditions, references, full four wheeled trailer with GVWR in excess of 10,000 lbs, cargo, required tools and equipment.

**STANDARD:** To safely meet operational requirements with no injury to personnel or damage to equipment.

# PERFORMANCE STEPS:

- 1. Connect trailer to vehicle.
- 2. Prepare operational form and records.
- 3. Perform before operations checks.
- 4. Operate equipment.
- 5. Transport cargo.
- 6. Perform During Operations Checks.
- 7. Perform emergency procedures (as required).
- 8. Observe ground guide (as required).
- 9. Perform after operations checks.
- 10. Disconnect trailer from vehicle.
- 11. Complete operational forms and records.

# **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. MCRP 3-35.1D Cold Region Operations
- 3. MCRP 4-11.3F Convoy Operations Handbook
- 4. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
- 5. MCWP 3-35.1 Cold Weather Operations
- 6. MCWP 3-35.5 Jungle Operations
- 7. MCWP 3-35.6 Desert Operations
- 8. TC 21-305-20 Manual for the Wheeled Vehicle Operator
- 9. TM 11240-15/3\_ Tactical Motor Transport Licensing Official's Manual
- 10. TM 4700-15/1\_ Ground Equipment Record Procedures
- 11. USMC E2W2 ICD USMC Expeditionary Energy, Water, and Waste (E2W2) Initial Capabilities Document (ICD) (Sep 2011)
- 12. USMC EES&IP USMC Expeditionary Energy Strategy and Implementation Plan (Feb 2011)

### SUPPORT REQUIREMENTS:

### SIMULATION EVALUATION:

SIMULATED	SUITABILITY	SIMULATOR	UNIT OF MEASURE	HOURS	PM
Yes	S	ODS	Marine Hours	1	N

#### MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** Event performed live preferred/simulator optional. When available, simulation may be used to augment live training.

**<u>3531-OPER-2019</u>**: Operate a tactical vehicle during night operations

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

### MOS PERFORMING: 3531

GRADES: PVT, PFC, LCPL, CPL, SGT

#### **INITIAL TRAINING SETTING:** MOJT

**<u>CONDITION</u>**: Given a requirement, limited visibility, motor transport equipment, personnel, and references.

**STANDARD:** Safely to meet operational requirements with no injury to personnel or damage to equipment.

#### PERFORMANCE STEPS:

- 1. Prepare operational forms and records.
- 2. Perform before operations checks.
- 3. Drive vehicle with headlights.
- 4. Drive vehicle utilizing black out drive mode.
- 5. Drive vehicle using night vision devices (NVD).
- 6. Perform during operations checks.
- 7. Employ ground guide
- 8. Perform after operations checks.
- 9. Complete operational forms and records.

# **REFERENCES:**

- 1. FM 7-28 Jungle Operations
- 2. FMFM 7-29 Mountain Operations
- 3. MCRP 4-11.3F Convoy Operations Handbook
- 4. MCWP 4-11.3 Transportation Operations
- 5. TM 11240-15/3 Motor Vehicle License Examiner's Handbook
- 6. TM 11240-OD Principal Technical Characteristics of U.S. Marine Corps Motor Transport Equipment
- 7. TM 4700-15/1 Equipment Record Procedures

# SUPPORT REQUIREMENTS:

### SIMULATION EVALUATION:

SIMULATED	SUITABILITY	SIMULATOR	UNIT OF MEASURE	HOURS	PM
Yes	S/L	ODS	Marine Hours	1	N

NOTES: Event performed live preferred/simulator optional. When available, simulation may be used to augment live training.

3531-OPER-2020: Change tire on a tactical vehicle

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3531

GRADES: PVT, PFC, LCPL, CPL, SGT

# **INITIAL TRAINING SETTING:** MOJT

**<u>CONDITION</u>**: Given a requirement, references, motor transport equipment, required tools and equipment.

**STANDARD:** To safely meet operational requirements with no injury to personnel or damage to equipment.

### PERFORMANCE STEPS:

- 1. Identify safety procedures.
- 2. Apply emergency/parking brake and chock block to non-deflated tire.
- 3. Identify tool requirements.
- 4. Loosen and remove CTIS cap and cover, as required.
- 5. Loosen lug nuts (inner ring).
- 6. Identify jack placement.
- 7. Raise vehicle high enough to remove tire.
- 8. Remove wheel assembly.
- 9. Install wheel assembly (pre-assembled).
- 10. Remove and stow jack and tools.
- 11. Take vehicle to maintenance to torque wheel nuts to specifications.

#### **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. ALO/I Applicable Lubrication Order/Instruction
- 4. MCTP 3-40E Maintenance Operations
- 5. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
- 6. TC 21-305-20 Manual for the Wheeled Vehicle Operator
- 7. TM 4700-15/1\_ Ground Equipment Record Procedures
- 8. TM 8H667-13&P/1 Drivers Vision Enhancer
- 9. TM 9-2610-200-14 PNEUMATIC TIRES & INNER TUBES
- 10. TM 9-6140-200-14 Lead Acid Batteries 4HN, 2H, 6TN

3531-OPER-2021: Operate a tactical vehicle in restricted spaces

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3531

GRADES: PVT, PFC, LCPL, CPL, SGT

**INITIAL TRAINING SETTING:** MOJT

**<u>CONDITION</u>**: Given a requirement, day or night, various environmental conditions references, required tools and equipment.

**<u>STANDARD</u>**: To safely meet operational requirements with no injury to personnel or damage to equipment.

#### PERFORMANCE STEPS:

1. prepare operational forms and records.

2. Perform before operations checks.
- 3. Operate tactical vehicle in various restricted space(s).
- 4. Safely maneuver the vehicle.
- 5. Perform during operations checks.
- 6. Employ ground guide, as required.
- 7. Perform after operations checks.
- 8. Complete operational forms and records.

- 1. FM 21-305 Manual for Wheeled Vehicle Driver
- 2. FM 31-70 Basic Cold Weather Operations
- 3. FM 7-28 Jungle Operations
- 4. FMFM 7-29 Mountain Operations
- 5. MCO 5100.19\_ Marine Corps Traffic Safety Program (Drive Safe)
- 6. MCRP 4-11.3F Convoy Operations Handbook
- 7. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
- 8. MCWP 3-35.1 Mountain Warfare Operations
- 9. MCWP 3-35.6 Desert Operations
- 9. MCWP 3-35.6 Desert Operat 10. TC 3-21.60 Visual Signals
- 11. TC 3-25.26 Map Reading and Land Navigation
- 12. TM 11240-15/3\_ Tactical Motor Transport Licensing Official's Manual
- 13. USMC E2W2 ICD USMC Expeditionary Energy, Water, and Waste (E2W2) Initial Capabilities Document (ICD) (Sep 2011)
- 14. USMC EES&IP USMC Expeditionary Energy Strategy and Implementation Plan (Feb 2011)

#### **MISCELLANEOUS:**

ADMINISTRATIVE INSTRUCTIONS: Restricted spaces includes but not limited to urban and jungle environments.

3531-OPER-2026: Conduct emergency egress procedures in a tactical vehicle

SUSTAINMENT INTERVAL: 12 months EVALUATION-CODED: NO

READINESS-CODED: NO

MOS PERFORMING: 3531

GRADES: PVT, PFC, LCPL, CPL, SGT

**INITIAL TRAINING SETTING:** MOJT

CONDITION: Given a requirement, references, motor transport equipment, required tools and equipment.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

- 1. Operate tactical vehicle.
- 2. Perform roll-over incident procedures.
- 3. Assess crew members and stay calm.
- 4. Orientate yourself and find an exit point.
- 5. Assist/direct remaining crew members to exit point.

6. Relay incident to higher for aid.

## **REFERENCES:**

- 1. A Pocket Style Manual (4th Ed.) -
- 2. EGRESS Survival Systems USA
- 3. FM 21-305 Manual for Wheeled Vehicle Driver
- 4. FM 31-70 Basic Cold Weather Manual
- 5. FM 7-28 Jungle Operations
- 6. FMFM 7-29 Mountain Operations
- 7. MCO 5100.19\_ Marine Corps Traffic Safety Program (Drive Safe)
- 8. MCRP 4-11 Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
- 9. MCRP 4-11.3F Convoy Operations Handbook
- 10. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
- 11. MCWP 3-35.6 Desert Operations
- 12. MCWP 4-11.3 Transportation Operations
- 13. TC 3-21.60 Visual Signals
- 14. TC 3-25.26 Map Reading and Land Navigation
- 15. TM 11240-15/3 Motor Vehicle License Examiner's Handbook
- 16. TM 11240-OD Principal Technical Characteristics of U.S. Marine Corps Motor Transportation Equipment
- 17. TM 4700-15 Equipment Record Procedures
- 18. USMC E2W2 ICD USMC Expeditionary Energy, Water, and Waste (E2W2) Initial Capabilities Document (ICD) (Sep 2011)
- 19. USMC EES&IP USMC Expeditionary Energy Strategy and Implementation Plan (Feb 2011)

**<u>3531-OPER-2027</u>**: Operate a tactical vehicle in arctic {snow and ice} conditions.

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3531

GRADES: PVT, PFC, LCPL, CPL, SGT

**INITIAL TRAINING SETTING:** MOJT

**<u>CONDITION</u>**: Given a requirement, references, motor transport equipment, required tools and equipment.

**STANDARD:** To safely meet operational requirements with no injury to personnel or damage to equipment.

- 1. Prepare operational forms and records.
- 2. Perform before operations checks.
- 3. Install tire chains, as required.
- 4. Transport cargo/personnel, as required.
- 5. Perform Brake Throttle Modulation (BTM) to regain traction. As required
- 6. Perform during operations checks.
- 7. Employ ground guide, as required.

- 8. Remove tire chains, as required.
- 9. Perform after operations checks.
- 10. Complete operational forms and records.

- 1. FM 21-305 Manual for Wheeled Vehicle Driver
- 2. FM 31-70 Basic Cold Weather Operations
- 3. FMFM 7-29 Mountain Operations
- 4. MCO 5100.19\_ Marine Corps Traffic Safety Program (Drive Safe)
- 5. MCRP 4-11 Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
- 6. MCRP 4-11.3F Convoy Operations Handbook
- 7. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
- 8. MCWP 4-11.3 Transportation Operations
- 9. TC 3-21.60 Visual Signals
- 10. TC 3-25.26 Map Reading and Land Navigation
- 11. TM 11240-OD Principal Technical Characteristics of U.S. Marine Corps Motor Transportation Equipment
- 12. TM 4700-15/1\_ Ground Equipment Record Procedures
- 13. USMC E2W2 ICD USMC Expeditionary Energy, Water, and Waste (E2W2) Initial Capabilities Document (ICD) (Sep 2011)
- 14. USMC EES&IP USMC Expeditionary Energy Strategy and Implementation Plan (Feb 2011)

# SUPPORT REQUIREMENTS:

#### SIMULATION EVALUATION:

SIMULATED	SUITABILITY	SIMULATOR	UNIT OF MEASURE	HOURS	PM
Yes	S/L	ODS	Marine Hours	1	N

## MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** Review OCONUS driving regulations before applying snow tire chains

3531-OPER-2028: Operate a tactical vehicle in mountain

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

# **INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Given a requirement, references, motor transport equipment, required tools and equipment.

**STANDARD:** To safely meet operational requirements with no injury to personnel or damage to equipment.

#### PERFORMANCE STEPS:

1. Prepare operational forms and records.

- 2. Perform before operations checks.
- 3. Ensure transmission/transfer case is engaged in proper setting.
- 4. Perform backing procedures, as required.
- 5. Transport cargo/personnel, as required.
- 6. Employ ground guide, as required.
- 7. Perform Brake Throttle Modulation (BTM) to regain traction.
- 8. Perform during operations checks.
- 9. Place transmission/transfer case back to normal setting.
- 10. Perform after operations checks.
- 11. Complete operational forms and records.

- 1. FM 21-305 Manual for Wheeled Vehicle Driver
- 2. FM 31-70 Basic Cold Weather Manual
- 3. FM 31-70 Basic Cold Weather Operations
- 4. FM 7-28 Jungle Operations
- 5. FMFM 7-29 Mountain Operations
- 6. MCO 5100.19\_ W/CH 1-3 Marine Corps Traffic Safety Program (DRIVESAFE)
- 7. MCRP 4-11.3F Convoy Operations Handbook
- 8. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
- 9. MCWP 3-35.6 Desert Operations
- 10. MCWP 4-11.3A Patient Movement
- 11. TC 3-21.60 Visual Signals
- 12. TC 3-25.26 Map Reading and Land Navigation
- 13. TM 11240-15/3\_ Tactical Motor Transport Licensing Official's Manual
- 14. TM 4700-15/1H w/ch 3 Ground Equipment Record Procedures
- 15. USMC E2W2 ICD USMC Expeditionary Energy, Water, and Waste (E2W2) Initial Capabilities Document (ICD) (Sep 2011)
- 16. USMC EES&IP USMC Expeditionary Energy Strategy and Implementation Plan
  (Feb 2011)

3531-OPER-2029: Execute a load plan for a tactical vehicle

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3531

GRADES: PVT, PFC, LCPL, CPL, SGT

**INITIAL TRAINING SETTING:** MOJT

**<u>CONDITION</u>**: Given a requirement, references, motor transport equipment, required tools and equipment.

**<u>STANDARD</u>**: To safely meet operational requirements with no injury to personnel or damage to equipment.

- 1. Determine load capacity.
- 2. Load cargo, as required.
- 3. Secure the load.
- 4. Inspect load.

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. ALO/I Applicable Lubrication Order/Instruction
- 4. FM 21-305 Manual for Wheeled Vehicle Driver
- 5. FM 31-70 Basic Cold Weather Manual
- 6. FM 7-28 Jungle Operations
- 7. FMFM 7-29 Mountain Operations
- 8. MCO 5100.19\_ Marine Corps Traffic Safety Program (Drive Safe)
- 9. MCRP 4-11 Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
- 10. MCRP 4-11.3F Convoy Operations Handbook
- 11. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
- 12. MTMCTEA PAM 55-20 Tiedown Handbook for Truck Movement
- 13. TB 9-639 Passenger-Carrying Capacity of Tactical and Administrative Vehicles Commonly Used to Transport Personnel
- 14. TC 3-21.60 Visual Signals
- 15. TC 3-25.26 Map Reading and Land Navigation
- 16. TM 11240-15/3\_ Tactical Motor Transport Licensing Official's Manual
- 17. TM 11240-OD Principal Technical Characteristics of U.S. Marine Corps Motor Transport Equipment
- 18. TM 4700-15/1H Ground Equipment Record Procedures
- 19. USMC E2W2 ICD USMC Expeditionary Energy, Water, and Waste (E2W2) Initial Capabilities Document (ICD) (Sep 2011)
- 20. USMC EES&IP USMC Expeditionary Energy Strategy and Implementation Plan (Feb 2011)

**<u>3531-OPER-2030</u>**: Operate a tactical vehicle in Chemical, Biological, Radiological, Nuclear (CBRN) environment

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3531

GRADES: PVT, PFC, LCPL, CPL, SGT

**INITIAL TRAINING SETTING:** MOJT

**<u>CONDITION</u>**: Given a requirement, references, motor transport equipment, required tools and equipment in an operational environment with a known or simulated CBRN threat.

**STANDARD:** To safely meet operational requirements with no injury to personnel or damage to equipment.

- 1. Conduct planning.
- 2. Prepare for operations.
- 3. Conduct CBRN reporting.
- 4. Conduct decontamination.
- 5. Conduct consolidation.

- 1. E2W2 United States Marine Corps Expeditionary Energy Strategy and Implementation Plan
- 2. FM 21-305 Manual for Wheeled Vehicle Driver
- 3. FM 31-70 Basic Cold Weather Manual
- 4. FM 7-28 Jungle Operations
- 5. FMFM 7-27 Desert Operations
- 6. FMFM 7-29 Mountain Operations
- 7. MCO 5100.19\_ Marine Corps Traffic Safety Program (Drive Safe)
- 8. MCRP 4-11 Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
- 9. MCRP 4-11.3F Convoy Operations Handbook
- 10. MCTP 3-40F Transportation Operations
- 11. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
- 12. MCWP 3-37.2 MTTP for NBC Protection
- 13. MCWP 3-37.2 Multiservice Tactics, Techniques, and Procedures for NBC Protection
- 14. TC 3-21.60 Visual Signals
- 15. TC 3-25.26 Map Reading and Land Navigation
- 16. TM 11240-15/3\_ Tactical Motor Transport Licensing Official's Manual
- 17. TM 11240-OD Principal Technical Characteristics of U.S. Marine Corps Motor Transport Equipment
- 18. TM 4700-15/1H Ground Equipment Record Procedures
- 19. USMC EES&IP USMC Expeditionary Energy Strategy and Implementation Plan (Feb 2011)

**3531-OPER-2031:** Transport Flatrack Refueling Capability (FRC)

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

- MOS PERFORMING: 3531
- GRADES: PVT, PFC, LCPL, CPL, SGT

# **INITIAL TRAINING SETTING:** MOJT

**<u>CONDITION</u>:** Given day or night, various environmental conditions, a requirement, references, operational motor transport equipment, mobile refueling delivery system, required tools and equipment.

**STANDARD:** To sustain operational requirements without injury to personnel or damage to equipment.

- 1. Prepare system for loading (as required).
- 2. Load system onto motor transport equipment.
- 3. Load bulk liquid into the system (as required).
- 4. Recirculate fuel (as required).
- 5. Arrange for testing of potable water (as required).
- 6. Transport bulk liquid.
- 7. Dispense bulk liquid and distribute (as required).

8. Perform emergency shutdown (as required).

## **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. DCAM 4145.11 Storage & Handling of Hazardous Material
- 4. DOD 4140.25 Management of Bulk Petroleum Products, Storage and Distribution Facilities
- 5. DOD 4900.9R Defense Transportation Regulations (DTR)
- 6. FM 21-305 Manual for Wheeled Vehicle Driver
- 7. FMFM 7-29 Mountain Operations
- 8. MCO P5090.2\_ Environmental Compliance and Protection Manual
- 9. MCRP 4-11.3 MCRP 4-11.3 Transportation Operations
- 10. MCRP 4-11.3F Convoy Operations Handbook
- 11. MCRP 4-11.6 Petroleum and Water Logistics Operations
- 12. MCRP 4-11B Environmental Considerations
- 13. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
- 14. MCWP 3-35.1 Mountain Warfare Operations
- 15. MCWP 3-35.5 Jungle Operations
- 16. MCWP 3-35.6 Desert Operations
- 17. MCWP 4-11.3 Transportation Operations
- 18. MIL-HDBK-844A Aircraft Refueling Handbook for Navy and Marine Corps aircraft
- 19. NAVMC DIR 5100.8\_ Marine Corps Occupational Safety and Health (OSH) Program Manual
- 20. NAVSEA SW020-AC-SAF0 Navy Transportation and Storage Data for Ammunition, Explosives, and Related Hazardous Materials
- 21. NAVSEA SW020-AF-HBK-010 Motor Vehicle Driver and Shipping Inspector's Handbook for Ammunition, Explosives and Related Hazardous Materials
- 22. TC 21-305-20 Manual for the Wheeled Vehicle Operator
- 23. TM 11240-15/3\_ Tactical Motor Transport Licensing Official's Manual
- 24. TM 4700-15/1\_ Ground Equipment Record Procedures
- 25. TM 5-848-2 Handling of Aircraft and Automotive Fuels
- 26. USMC E2W2 ICD USMC Expeditionary Energy, Water, and Waste (E2W2) Initial Capabilities Document (ICD) (Sep 2011)
- 27. USMC EES&IP USMC Expeditionary Energy Strategy and Implementation Plan (Feb 2011)

# MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** This task applies to the Flatrack Refueler (FRC), fuel and water SIXCONs, M149 and applicable mobile bulk liquid delivery system pumps.

3531-OPER-2203: Operate motor transport equipment with trailer (L/S)

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3531

GRADES: PVT, PFC, LCPL, CPL, SGT

# **INITIAL TRAINING SETTING:** MOJT

**<u>CONDITION</u>**: Given day or night, various environmental conditions, references, full four wheeled trailer with GVWR in excess of 10,000 lbs, cargo, required tools and equipment.

**<u>STANDARD</u>**: To safely meet operational requirements with no injury to personnel or damage to equipment.

### PERFORMANCE STEPS:

- 1. Connect trailer to vehicle.
- 2. Perform Before Operations Checks.
- 3. Prepare operational form and records.
- 4. Operate equipment.
- 5. Transport cargo.
- 6. Perform During Operations Checks.
- 7. Perform emergency procedures (as required).
- 8. Observe ground guide (as required).
- 9. Perform After Operations Checks.
- 10. Disconnect trailer from vehicle.
- 11. Complete operational forms and records.

# REFERENCES:

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. ALO/I Applicable Lubrication Order/Instruction
- 4. MCRP 3-35.1D Cold Region Operations
- 5. MCRP 4-11.3F Convoy Operations Handbook
- 6. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
- 7. MCWP 3-35.2 Mountain Operations
- 8. MCWP 3-35.5 Jungle Operations
- 9. MCWP 3-35.6 Desert Operations
- 10. TC 21-305-20 Manual for the Wheeled Vehicle Operator
- 11. TC 3-21.60 Visual Signals
- 12. TM 11240-15/3\_ Tactical Motor Transport Licensing Official's Manual
- 13. TM 4700-15/1\_ Ground Equipment Record Procedures
- 14. USMC E2W2 ICD USMC Expeditionary Energy, Water, and Waste (E2W2) Initial Capabilities Document (ICD) (Sep 2011)
- 15. USMC EES&IP USMC Expeditionary Energy Strategy and Implementation Plan (Feb 2011)

# MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** Event performed live preferred/simulator optional. When available, simulation may be used to augment live training.

3531-OPER-2213: Supervise fording operations

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 24 months

READINESS-CODED: NO

MOS PERFORMING: 3531

**GRADES:** CPL, SGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided with a fording mission, personnel, equipment, required tools and references.

**STANDARD:** Safely meeting operational requirements with no injury to personnel or damage to equipment.

## PERFORMANCE STEPS:

- 1. Direct pre-fording checks and services.
- 2. Direct the fording operation.
- 3. Direct post-fording checks and services.

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. FM 55-30 Army Motor Transport Units and Operations
- 4. MCRP 3-40F.7 Multi-Service Tactics, Techniques, and Procedures for Tactical Convoy Operations (TCO)
- 5. MCRP 4-11.3F Convoy Operations Handbook
- 6. MCWP 3-17.1 Combined Arms Gap-Crossing Operations

# MOTOR-T T&R MANUAL

# CHAPTER 9

# MOS 3534 INDIVIDUAL EVENTS

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# MOTOR-T T&R MANUAL

#### CHAPTER 9

## MOS 3534 INDIVIDUAL EVENTS

**9000. PURPOSE.** This chapter includes all individual events for the Semitrailer Refueler Operator. Each event is composed of an individual event title, condition, standard, performance steps, support requirements, and references. Accomplishment and proficiency level required is determined by the event standard.

# 9001. EVENT CODING

Events in this T&R Manual are depicted with an up to 12-character, 3-field alphanumeric system, i.e. XXXX-XXXX-XXXX. This chapter utilizes the following methodology:

a. Field one. This field represents the community. This chapter contains the following community code:

Code Description

3534 Semi-trailer Refueler Operator

b. Field two. This field represents the functional/duty area. This chapter contains the following functional/duty area:

Code	Description	
OPER	Operator	

c. Field three. This field provides the level at which the event is accomplished and numerical sequencing of events. This chapter contains the following event level:

CodeDescription2000Core Plus Skills

#### 9002. MOS 3534 BILLET DESCRIPTIONS/CORE CAPABILITIES

**CAREER PROGRESSION PHILOSOPHY:** The Motor Transport Refueler Operator will complete the Semi-Trailer Refuelers Operators Course, at FLW, MO. Upon graduation, the Motor Transport Operator will conduct additional 2000-level training in a variety of motor transport refueling billets. 2000-Level training continues through completion of Career, Intermediate, and Advanced Level Professional Military Education (PME), available through resident, seminar and distance learning courses.

The 3534 must maintain the capabilities of core skills obtained at the Semi Refuelers Operators Course. The 3534 must be proficient in the performance of operating motor transport refueling equipment at the field level.

**BILLET: SEMI-TRAILER REFUELER OPERATOR** A Semi-trailer refueler operator operates the MK31 Tactical Tractors and MK970 Semitrailer Refueler in support of ground and aviation equipment during both combat and garrison operations. In addition the Semitrailer Refueler Operator performs crew/operator level maintenance on associated vehicles and equipment and, to rated capacity, for which licensed to operate. Marines with NMOS 3534 are trained to conduct fueling operations for ground equipment as well as fueling and defueling operations for all aviation equipment. this MOS will be assigned as a NMOS only.

### Core Capabilities:

1. Conduct all crew/operator level Preventative Maintenance Checks and Services (PMCS).

2. Operate A/MK tractor and A/MK semi-trailer refueler.

3. Operate A/MK tractor and A/M semi-trailer refueler with Night Vision Device.

Transport fuel with A/MK tractor and A/MK semi-trailer refueler.
 Conduct refueling operations with A/MK tractor and A/MK semi-trailer refueler.

6. Conduct defueling operations with A/MK tractor and A/MK semi-trailer refueler.

#### BILLET: SEMI-TRAILER REFUELER NON COMMISSIONED OFFICER (NCO)

Supervise the operation of the tactical A/MK Series tractor with A/MK Series semi-trailer refueler in support of combat and garrison operations. Supervise the performance of all crew/operator level maintenance on tactical A/MK Series tractor with A/MK Series semi-trailer refueler assigned to the unit. Supervise the accountability and serviceability of all Basic Issue Items (BII) and equipment for all tactical A/MK Series tractor with A/MK Series semi-trailer refueler assigned to the unit. Maintain records for refueling operations conducted by team. Report to the Motor Transport Chief/Section Cheif on all matters involving refueling operations.

## Core Capabilities:

1. Supervise all operator/crew level PMCS.

2. Supervise the operation of A/MK tractor and A/MK semi-trailer refueler for the unit.

3. Supervise the operation of A/MK tractor and A/MK semi-trailer refueler with Night Vision Device for the unit.

4. Supervise the transportation of fuel with A/MK tractor and A/MK semi-trailer refueler for the unit.

 5. Plan and supervise motor transport combat and garrison refueling operations of A/MK tractor and A/MK semi-trailer refueler for the unit.
 6. Supervise defueling operations of A/MK tractor and A/MK semi-trailer refueler for the unit.

7. Execute a training schedule IAW T&R Manual for sustainment training for all refueling operators within the section.

Event Code	E-	Event	Page
	Coded		
3534-OPER-2001	NO	Perform Preventive Maintenance Checks and	9-4
		Services	
3534-OPER-2002	NO	Operate tractor and semi-trailer refueler	9-5

9003. INDEX OF 2000-LEVEL EVENTS

3534-OPER-2003	NO	Operate utilizing night vision device	9-6
3534-OPER-2004	NO	Transport fuel	9-7
3534-OPER-2005	NO	Conduct refueling operations	9-9
3534-OPER-2006	NO	Conduct defueling operations	9-10

#### 9004. 2000-LEVEL EVENTS

3534-OPER-2001: Perform Preventive Maintenance Checks and Services

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3534

**GRADES:** PFC, LCPL, CPL, SGT

## **INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Given a requirement, A/MK tractor with A/MK semi-trailer refueler, all required BII, forms, equipment, and applicable references with aid of an assistant.

**STANDARD:** Safely maintain operational requirements and identify corrective maintenance actions per the applicable references with no injury to personnel or damage to equipment.

#### **PERFORMANCE STEPS:**

- 1. Determine Applicable Equipment Technical Manuals AETM.
- 2. Gather resources.
- 3. Complete PMCS.
- 4. Complete operational forms/records.

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. CFR 40 Code of Federal Regulations Hazardous Substances & Wastes
- 4. DOD 4140.25 Management of Bulk Petroleum Products, Storage and Distribution Facilities
- 5. DOD 4500.9-R Defense Transportation Regulation (DTR)
- 6. FM 10-69 Petroleum Supply Point Equipment and Operations
- 7. FM 21-305 Manual for Wheeled Vehicle Driver
- 8. FM 7-28 Jungle Operations
- 9. FMFM 7-29 Mountain Operations
- 10. MCRP 3-40F.7 Multi-Service Tactics, Techniques, and Procedures for Tactical Convoy Operations (TCO)
- 11. MCRP 4-11.3F Convoy Operations Handbook
- 12. MCRP 4-11.6 Petroleum and Water Logistics Operations
- 13. MCRP 4-11B Environmental Considerations
- 14. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
- 15. MCWP 3-35.6 Desert Operations
- 16. MIL-HDBK-844A Aircraft Refueling Handbook for Navy and Marine Corps aircraft
- 17. NAVAIR 00-80T-109 Aircraft Refueling NATOPS Manual

- 18. NAVESEA SW020-AG-SAF-010 Navy Transportation Safety Handbook for Ammunition, Explosives and Related Hazardous Materials
- 19. NAVMC DIR 5100.8\_ Marine Corps Occupational Safety and Health (OSH) Program Manual
- 20. NAVSEA OP 5 Vol 1 Ammunition and Explosives/Ashore Safety Regulations of Handling, Storage, Production, Renovation and Shipping
- 21. NAVSEA SWO20-AF-ABK-010 Motor Vehicle Driver and Shipping Inspector's Manual for Ammunition, Explosives and Related Hazardous Materials
- 22. SW020-AC-SAF-010 Transportation and Storage Data for Ammunition, Explosives and Related Hazardous Materials
- 23. TM 08089B-OI/1 SEMITRAILER TANK 5000 GAL Dispensing, under/over wing Aircraft MK970
- 24. TM 08674A-10/1 Ops and Maintenance Instructions Aircraft CFR Truck
- 25. TM 09003A-15/1 Six-Con Fuel Pump Module
- 26. TM 10629-10\_ System Operation Manual for Truck, Cargo, 7-Ton (MTVR)
- 27. TM 11165A-10\_ Truck, Tractor< 7-Ton MK31, AMK31
- 28. TM 4700-15/1\_ Ground Equipment Record Procedures
- 29. TM 5-2330-356-14&P Semi-Trailer Tank, 5000
- 30. TM 5-848-2 Handling of Aircraft and Automotive Fuels

## MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** Ground or Aircraft fueling sustainment training will be based on unit's mission requirements.

3534-OPER-2002: Operate tractor and semi-trailer refueler

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3534

GRADES: PFC, LCPL, CPL, SGT

**INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>:** Given a requirement, day or night, various environmental conditions, A/MK tractor with A/MK semi-trailer refueler, all required BII, forms, equipment, and applicable references with aid of an assistant.

**<u>STANDARD</u>**: Safely meeting operational requirements with no injury to personnel or damage to equipment.

#### PERFORMANCE STEPS:

- 1. Prepare operational forms and records.
- 2. Perform before operations checks.
- 3. Operate tractor and semi-trailer refueler.
- 4. Perform during operations checks.
- 5. Perform emergency procedures.
- 6. Perform after operations checks.
- 7. Complete operational forms and records.

- 1. CFR 40 Code of Federal Regulations Hazardous Substances & Wastes
- 2. DOD 4140.25 Management of Bulk Petroleum Products, Storage and Distribution Facilities
- 3. DOD 4500.9-R Defense Transportation Regulation (DTR)
- 4. EGRESS Survival Systems USA
- 5. FM 10-69 Petroleum Supply Point Equipment and Operations
- 6. FM 21-305 Manual for Wheeled Vehicle Driver
- 7. MCRP 3-40B.2 Environmental Considerations
- 8. MCRP 3-40F.7 Multi-Service Tactics, Techniques, and Procedures for Tactical Convoy Operations (TCO)
- 9. MCRP 4-11.3F Convoy Operations Handbook
- 10. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
- 11. MCWP 3-35.2 Mountain Operations
- 12. MCWP 3-35.5 Jungle Operations
- 13. MCWP 3-35.6 Desert Operations
- 14. MIL-HDBK-844A Aircraft Refueling Handbook for Navy and Marine Corps aircraft
- 15. NAVAIR 00-80T-109 Aircraft Refueling NATOPS Manual
- 16. NAVESEA SW020-AG-SAF-010 Navy Transportation Safety Handbook for Ammunition, Explosives and Related Hazardous Materials
- 17. SW020-AC-SAF-010 Transportation and Storage Data for Ammunition, Explosives and Related Hazardous Materials
- 18. TM 08089B-OI/1 SEMITRAILER TANK 5000 GAL Dispensing, under/over wing Aircraft MK970
- 19. TM 09003A-15/1 Six-Con Fuel Pump Module
- 20. TM 10629-10\_ System Operation Manual for Truck, Cargo, 7-Ton (MTVR)
- 21. TM 11165A-10\_ Truck, Tractor< 7-Ton MK31, AMK31
- 22. TM 4700-15/1\_ Ground Equipment Record Procedures
- 23. TM 5-2330-356-14&P Semi-Trailer Tank, 5000
- 24. TM 5-848-2 Handling of Aircraft and Automotive Fuels

# MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** Ground or Aircraft fueling sustainment training will be based on unit's mission requirements.

3534-OPER-2003: Operate utilizing night vision device

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

- READINESS-CODED: NO
- MOS PERFORMING: 3534
- GRADES: PFC, LCPL, CPL, SGT

# **INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>**: Given a night requirement, limited visibility, A/MK tractor with A/MK semi-trailer refueler, with the aid of an assistant, and references.

**<u>STANDARD</u>**: To safely meet operational requirements with no injury to personnel or damage to equipment.

# PERFORMANCE STEPS:

- 1. Prepare operational forms and records.
- 2. Perform before operations checks.
- 3. Drive vehicle with headlights.
- 4. Drive vehicle utilizing black out drive mode.
- 5. Drive vehicle using night vision devices.
- 6. Perform during operations checks.
- 7. Employ ground guide, as required.
- 8. Perform after operations checks.
- 9. Complete operational forms and records.

# **REFERENCES:**

- 1. ALO/I Applicable Lubrication Order/Instruction
- 2. CFR 40 Code of Federal Regulations Hazardous Substances & Wastes
- 3. DOD 4140.25 Management of Bulk Petroleum Products, Storage and Distribution Facilities
- 4. DOD 4500.9-R Defense Transportation Regulation (DTR)
- 5. FM 10-69 Petroleum Supply Point Equipment and Operations
- 6. FM 21-305 Manual for Wheeled Vehicle Driver
- 7. MCRP 3-40B.2 Environmental Considerations
- 8. MCRP 3-40F.7 Multi-Service Tactics, Techniques, and Procedures for Tactical Convoy Operations (TCO)
- 9. MCRP 4-11.3F Convoy Operations Handbook
- 10. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
- 11. MCWP 3-35.2 Mountain Operations
- 12. MCWP 3-35.6 Desert Operations
- 13. MIL-HDBK-844A Aircraft Refueling Handbook for Navy and Marine Corps aircraft
- 14. NAVAIR 00-80T-109 Aircraft Refueling NATOPS Manual
- 15. NAVSEA OP 5 Vol 1 Ammunition and Explosives/Ashore Safety Regulations of Handling, Storage, Production, Renovation and Shipping
- 16. NAVSEA SWO20-AF-ABK-010 Motor Vehicle Driver and Shipping Inspector's Manual for Ammunition, Explosives and Related Hazardous Materials
- 17. TM 08089B-OI/1 SEMITRAILER TANK 5000 GAL Dispensing, under/over wing Aircraft MK970
- 18. TM 08674A-10/1 Ops and Maintenance Instructions Aircraft CFR Truck
- 19. TM 09003A-15/1 Six-Con Fuel Pump Module
- 20. TM 10629-10\_ System Operation Manual for Truck, Cargo, 7-Ton (MTVR)
- 21. TM 4700-15/1\_ Ground Equipment Record Procedures
- 22. TM 5-2330-356-14&P Semi-Trailer Tank, 5000
- 23. TM 5-848-2 Handling of Aircraft and Automotive Fuels

# MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** Ground or Aircraft fueling sustainment training will be based on units mission requirements.

3534-OPER-2004: Transport fuel

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3534

GRADES: PFC, LCPL, CPL, SGT

**INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>:** Given a requirement, day or night, various conditions, operational tactical A/MK tractor with A/MK semi-trailer refueler loaded with fuel, all required Basic Issue Items, forms, equipment, and applicable references with aid of an assistant.

**STANDARD:** Safely meet operational requirements with no injury to personnel or damage to equipment.

## PERFORMANCE STEPS:

- 1. Prepare operational forms and records.
- 2. Perform before operations checks.
- 3. Operate tractor and semi-trailer refueler.
- 4. Perform during operations checks.
- 5. Employ safety procedures.
- 6. Conduct start-up procedures.
- 7. Conduct bottom loading operations.
- 8. Conduct self-load operations.
- 9. Conduct shutdown procedures.
- 10. Perform emergency procedures.
- 11. Perform after operations checks.
- 12. Complete operational forms and records.

- 1. AETM Applicable Equipment Technical Manuals
- 2. CFR 40 Code of Federal Regulations Hazardous Substances & Wastes
- 3. DOD 4140.25 Management of Bulk Petroleum Products, Storage and Distribution Facilities
- 4. DOD 4500.9-R Defense Transportation Regulation (DTR)
- 5. EGRESS Survival Systems USA
- 6. FM 10-69 Petroleum Supply Point Equipment and Operations
- 7. FM 21-305 Manual for Wheeled Vehicle Driver
- 8. MCRP 3-40B.2 Environmental Considerations
- 9. MCRP 3-40F.7 Multi-Service Tactics, Techniques, and Procedures for Tactical Convoy Operations (TCO)
- 10. MCRP 4-11.3F Convoy Operations Handbook
- 11. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
- 12. MCWP 3-35.2 Mountain Operations
- 13. MCWP 3-35.6 Desert Operations
- 14. MIL-HDBK-844A Aircraft Refueling Handbook for Navy and Marine Corps aircraft
- 15. NAVAIR 00-80T-109 Aircraft Refueling NATOPS Manual
- 16. NAVMC DIR 5100.8\_ Marine Corps Occupational Safety and Health (OSH) Program Manual
- 17. NAVSEA OP 5, VOL 1 Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping
- 18. NAVSEA SWO20-AF-ABK-010 Motor Vehicle Driver and Shipping Inspector's Manual for Ammunition, Explosives and Related Hazardous Materials
- 19. TM 08089B-OI/1 SEMITRAILER TANK 5000 GAL Dispensing, under/over wing Aircraft MK970
- 20. TM 08674A-10/1 Ops and Maintenance Instructions Aircraft CFR Truck
- 21. TM 4700-15/1\_ Ground Equipment Record Procedures

22. TM 5-2330-356-14&P Semi-Trailer Tank, 5000

23. TM 5-848-2 Handling of Aircraft and Automotive Fuels

### MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** Ground or Aircraft fueling sustainment training will be based on units mission requirements.

**3534-OPER-2005:** Conduct refueling operations

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3534

**GRADES:** PFC, LCPL, CPL, SGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Given a requirement, various conditions, operational tactical A/MK tractor with an A/MK semi-trailer refueler, all required BII, forms, equipment, and applicable references with aid of an assistant.

**STANDARD:** Safely meet operational requirements with no injury to personnel or damage to equipment.

### PERFORMANCE STEPS:

- 1. Employ safety procedures.
- 2. Conduct start-up procedures.
- 3. Conduct recirculation operations.
- 4. Conduct over-wing/ground refueling.
- 5. Conduct underwing refueling.
- 6. Conduct bulk fuel operations.
- 7. Conduct shutdown procedures and prepare for road operations.

- 1. AETM Applicable Equipment Technical Manuals
- 2. CFR 40 Code of Federal Regulations Hazardous Substances & Wastes
- 3. DOD 4140.25 Management of Bulk Petroleum Products, Storage and Distribution Facilities
- 4. DOD 4500.9-R Defense Transportation Regulation (DTR)
- 5. EGRESS Survival Systems USA
- 6. FM 10-69 Petroleum Supply Point Equipment and Operations
- 7. FM 21-305 Manual for Wheeled Vehicle Driver
- 8. MCRP 3-40B.2 Environmental Considerations
- 9. MCRP 3-40F.7 Multi-Service Tactics, Techniques, and Procedures for Tactical Convoy Operations (TCO)
- 10. MCRP 4-11.3F Convoy Operations Handbook
- 11. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
- 12. MCWP 3-35.2 Mountain Operations
- 13. MCWP 3-35.6 Desert Operations
- 14. MIL-HDBK-844A Aircraft Refueling Handbook for Navy and Marine Corps aircraft

- 15. NAVAIR 00-80T-109 Aircraft Refueling NATOPS Manual
- 16. NAVSEA OP 5, VOL 1 Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping
- 17. NAVSEA SWO20-AF-ABK-010 Motor Vehicle Driver and Shipping Inspector's Manual for Ammunition, Explosives and Related Hazardous Materials
- 18. TM 08089B-OI/1 SEMITRAILER TANK 5000 GAL Dispensing, under/over wing Aircraft MK970
- 19. TM 09003A-15/1 Six-Con Fuel Pump Module
- 20. TM 10629-10\_ System Operation Manual for Truck, Cargo, 7-Ton (MTVR)
- 21. TM 4700-15/1\_ Ground Equipment Record Procedures
- 22. TM 5-2330-356-14&P Semi-Trailer Tank, 5000
- 23. TM 5-848-2 Handling of Aircraft and Automotive Fuels

### MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** Ground or Aircraft fueling sustainment training will be based on units mission requirements.

3534-OPER-2006: Conduct defueling operations

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3534

**GRADES:** PFC, LCPL, CPL, SGT

# **INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Given a requirement day or night, various environmental conditions, A/MK tractor with an A/MK semi-trailer refueler, required Basic Issue Items, forms, equipment, and applicable references, with aid of an assistant.

**STANDARD:** Safely meet operational requirements with no injury to personnel or damage to equipment.

### PERFORMANCE STEPS:

- 1. Employ safety procedures.
- 2. Conduct start-up procedures.
- 3. Conduct over-wing/ground defueling.
- 4. Conduct underwing defueling.
- 5. Conduct shutdown procedures and prepare for road operations.

- 1. AETM Applicable Equipment Technical Manuals
- 2. CFR 40 Code of Federal Regulations Hazardous Substances & Wastes
- 3. DOD 4140.25 Management of Bulk Petroleum Products, Storage and Distribution Facilities
- 4. DOD 4500.9-R Defense Transportation Regulation (DTR)
- 5. EGRESS Survival Systems USA
- 6. FM 10-69 Petroleum Supply Point Equipment and Operations
- 7. FM 21-305 Manual for Wheeled Vehicle Driver

- 8. MCRP 3-40B.2 Environmental Considerations
- 9. MCRP 3-40F.7 Multi-Service Tactics, Techniques, and Procedures for Tactical Convoy Operations (TCO)
- 10. MCRP 4-11.3F Convoy Operations Handbook
- 11. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
- 12. MCWP 3-35.2 Mountain Operations
- 13. MCWP 3-35.6 Desert Operations
- 14. MIL-HDBK-844A Aircraft Refueling Handbook for Navy and Marine Corps aircraft
- 15. NAVAIR 00-80T-109 Aircraft Refueling NATOPS Manual
- 16. NAVMC DIR 5100.8\_ Marine Corps Occupational Safety and Health (OSH) Program Manual
- 17. NAVSEA OP 5, VOL 1 Ammunition and Explosives Ashore Safety Regulations for Handling, Storing, Production, Renovation and Shipping
- 18. NAVSEA SWO20-AF-ABK-010 Motor Vehicle Driver and Shipping Inspector's Manual for Ammunition, Explosives and Related Hazardous Materials
- 19. TM 08089B-OI/1 SEMITRAILER TANK 5000 GAL Dispensing, under/over wing Aircraft MK970
- 20. TM 08674A-10/1 Ops and Maintenance Instructions Aircraft CFR Truck
- 21. TM 09003A-15/1 Six-Con Fuel Pump Module
- 22. TM 10629-10\_ System Operation Manual for Truck, Cargo, 7-Ton (MTVR)
- 23. TM 5-2330-356-14&P Semi-Trailer Tank, 5000
- 24. TM 5-848-2 Handling of Aircraft and Automotive Fuels

# MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** Ground or Aircraft fueling sustainment training will be based on units mission requirements.

# MOTOR-T T&R MANUAL

# CHAPTER 10

# MOS 3536 INDIVIDUAL EVENTS

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# MOTOR-T T&R MANUAL

#### CHAPTER 10

## MOS 3536 INDIVIDUAL EVENTS

**10000. PURPOSE.** This chapter includes all individual events for the Vehicle Recovery Operator. Each event is composed of an individual event title, condition, standard, performance steps, support requirements, and references. Accomplishment and proficiency level required is determined by the event standard.

# 10001. EVENT CODING

Events in this T&R Manual are depicted with an up to 12-character, 3-field alphanumeric system, i.e. XXXX-XXXX-XXXX. This chapter utilizes the following methodology:

a. Field one. This field represents the community. This chapter contains the following community code:

Code	Descript	tion	
3536	Vehicle	Recovery	Operator

b. Field two. This field represents the functional/duty area. This chapter contains the following functional/duty area:

CodeDescriptionOPEROperator

c. Field three. This field provides the level at which the event is accomplished and numerical sequencing of events. This chapter contains the following event level:

CodeDescription2000Core Plus Skills

#### 10002. MOS 3536 BILLET DESCRIPTIONS/CORE CAPABILITIES

#### CAREER PROGRESSION PHILOSOPHY:

The Motor Transport Operator will complete the Vehicle Recovery Course, at FLW, MO. Upon graduation, the Motor Transport Vehicle Recovery Operator will conduct additional 2000-level training in a variety of motor transport recovery billets. 2000-Level training continues through completion of Career, Intermediate, and Advanced Level Professional Military Education (PME), available through resident, seminar and distance learning courses.

**BILLET: VEHICLE RECOVERY OPERATOR,** Operate the tactical motor transport A/MK Series medium and heavy wreckers to recover disabled and destroyed tactical wheeled vehicles in support of combat and garrison operations. Perform all crew/operator level maintenance on tactical motor transport A/MK Series medium and heavy wreckers. Conduct the accountability and serviceability

inventories of all associated tools and equipment for all tactical motor transport A/MK Series medium and heavy wreckers.

### Core Capabilities:

1. Perform all crew/operator level maintenance on tactical motor transport A/MK Series medium and heavy wreckers assigned to Motor Transport Platoon. 2. Conduct accountability and serviceability inventories of all associated tools and equipment for all tactical motor transport A/MK Series medium and heavy wreckers assigned to the Motor Transport Platoon.

3. Operate the tactical motor transport A/MK Series medium and heavy wreckers to conduct motor transport combat and garrison recovery operations to recover disabled and destroyed tactical wheeled vehicles for the Motor Transport Platoon.

## BILLET: VEHICLE RECOVERY NCO

Manage the operation of the tactical motor transport A/MK Series medium and heavy wreckers to recover disabled and destroyed tactical wheeled vehicles in support of combat and garrison operations. Manage the performance of all crew/operator level maintenance on tactical motor transport A/MK Series medium and heavy wreckers. Manage the accountability and serviceability of all associated tools and equipment for all tactical motor transport A/MK Series medium and heavy wreckers.

#### Core Capabilities:

1. Manage the performance of all crew/operator level maintenance on tactical motor transport A/MK Series medium and heavy.

2. Manage the accountability and serviceability of all associated tools and equipment for all tactical motor transport A/MK Series medium and heavy wreckers.

3. Execute a training schedule IAW T&R Manual for sustainment training for all Recovery Operators within the unit.

4. Plan and manage motor transport combat and garrison recovery operations to recover disabled and destroyed tactical wheeled vehicles.

## BILLET: VEHICLE RECOVERY TEAM LEADER

Supervise the operation of the tactical motor transport A/MK Series medium and heavy wreckers to recover disabled and destroyed tactical wheeled vehicles in support of combat and garrison operations. Supervise the performance of all crew/operator level maintenance on tactical motor transport A/MK Series medium and heavy wreckers. Supervise the accountability and serviceability of all associated tools and equipment for all tactical motor transport A/MK Series medium and heavy wreckers.

# Core Capabilities:

1. Supervise the performance of all crew/operator level maintenance on tactical motor transport A/MK Series medium and heavy

2. Supervise the accountability and serviceability of all associated tools and equipment for all tactical motor transport A/MK Series medium and heavy wreckers.

3. Execute a training schedule IAW T&R Manual for sustainment training for all Recovery Operators within the unit.

4. Plan and supervise motor transport combat and garrison recovery operations to recover disabled and destroyed tactical wheeled vehicles.

# 10003. INDEX OF 2000-LEVEL EVENTS

Event Code	E-	Event	Page
	Coded		
3536-OPER-2001	NO	Perform Preventive Maintenance Checks and	10-4
		Services (PMCS)	
3536-OPER-2002	NO	Operate a tactical medium wrecker	10-5
3536-OPER-2003	NO	Conduct towing operations with the	10-6
		tactical medium wrecker	
3536-OPER-2004	NO	Conduct winch recovery operations with a	10-6
		tactical medium wrecker	
3536-OPER-2005	NO	Operate medium wrecker auxiliary tools	10-7
3536-OPER-2006	NO	Perform Material Handling Crane (MHC)	10-8
		operations with a tactical medium wrecker	
3536-OPER-2007	NO	Operate utilizing night vision device	10-9
3536-OPER-2008	NO	Conduct recovery operations	10-9
3536-OPER-2009	NO	Perform Preventive Maintenance Checks and	10-10
		Services (PMCS)	
3536-OPER-2010	NO	Operate a tactical heavy wrecker	10-11
3536-OPER-2011	NO	Conduct towing operations with a tactical	10-12
		heavy wrecker	
3536-OPER-2012	NO	Conduct winch recovery operations with a	10-13
		tactical heavy wrecker	
3536-OPER-2013	NO	Operate heavy wrecker auxiliary tools	10-13
3536-OPER-2014	NO	Perform Material Handling Crane (MHC)	10-14
		operations with a tactical heavy wrecker	
3536-OPER-2015	NO	Conduct Battle Damage Assessment and	10-15
		Repair (BDAR)	
3536-OPER-2016	NO	Operate utilizing night vision device	10-16
3536-OPER-2017	NO	Conduct recovery operations	10-17

10004. 2000-LEVEL EVENTS

3536-OPER-2001: Perform Preventive Maintenance Checks and Services (PMCS)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3536

GRADES: PVT, PFC, LCPL, CPL, SGT, SSGT

## **INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>**: Given a requirement, various environmental conditions, an operational A/MK series tactical medium wrecker, all required Basic Issue Items, forms, and applicable references with aid of an assistant.

**STANDARD:** Safely meet operational requirements with no injury to personnel or damage to equipment.

# PERFORMANCE STEPS:

1. Determine applicable Technical Manual.

- 2. Gather resources.
- 3. Complete PMCS.

4. Complete operational forms/records.

### **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. ATI Applicable Technical Instruction
- 4. MCO 10330.2D Storage and Handling of Liquefied and Gaseous Compressed Gasses and Their Full and Empty Cylinders (Jun 00)
- 5. MCRP 3-40E.1 Recovery and Battle Damage Assessment and Repair (BDAR)
- 6. TC 21-305-20 Manual for the Wheeled Vehicle Operator
- 7. TC 9-237 Welding Theory
- 8. TI 4733-OD/1\_ Calibration Requirements Marine Corps Test, Measurement and Diagnostic Equipment Calibration and Maintenance Program
- 9. USMC E2W2 ICD USMC Expeditionary Energy, Water, and Waste (E2W2) Initial Capabilities Document (ICD) (Sep 2011)
- 10. USMC EES&IP USMC Expeditionary Energy Strategy and Implementation Plan (Feb 2011)

3536-OPER-2002: Operate a tactical medium wrecker

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3536

GRADES: PVT, PFC, LCPL, CPL, SGT, SSGT

# **INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>:** Given a requirement, day or night, various environmental conditions. All required Basic Issue Items, forms, and applicable references with aid of an assistant.

**STANDARD:** Safely meet operational requirements with no injury to personnel or damage to equipment.

# PERFORMANCE STEPS:

- 1. Perform before operations checks.
- 2. Prepare operational forms and records.
- 3. Operate wrecker.
- 4. Perform during operations checks.
- 5. Perform emergency procedures.
- 6. Perform after operations checks.
- 7. Complete operational forms and records.

- 1. AETM Applicable Equipment Technical Manuals
- 2. ATI Applicable Technical Instruction
- 3. MCO 10330.2\_ Storage and Handling of Liquefied and Gaseous Compressed Gasses and Their Full and Empty Cylinders
- 4. MCRP 3-40E.1 Recovery and Battle Damage Assessment and Repair (BDAR)
- 5. TC 21-305-20 Manual for the Wheeled Vehicle Operator
- 6. TC 9-237 Welding Theory

- 7. USMC E2W2 ICD USMC Expeditionary Energy, Water, and Waste (E2W2) Initial Capabilities Document (ICD) (Sep 2011)
- 8. USMC EES&IP USMC Expeditionary Energy Strategy and Implementation Plan (Feb 2011)

3536-OPER-2003: Conduct towing operations with the tactical medium wrecker

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3536

GRADES: PVT, PFC, LCPL, CPL, SGT, SSGT

**INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>**: Given a requirement, day or night, various environmental conditions, a disabled vehicle, all required Basic Issue Items, forms, equipment, and applicable references with aid of an assistant.

**STANDARD:** Safely meet operational requirements with no injury to personnel or damage to equipment.

# PERFORMANCE STEPS:

- 1. Conduct flat tow operations.
- 2. Conduct front lift tow operations.
- 3. Conduct rear lift tow operations.

# **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. ATI Applicable Technical Instruction
- 3. EGRESS Survival Systems USA
- 4. MCO 10330.2\_ Storage and Handling of Liquefied and Gaseous Compressed Gasses and Their Full and Empty Cylinders
- 5. MCRP 3-40E.1 Recovery and Battle Damage Assessment and Repair (BDAR)
- 6. TC 21-305-20 Manual for the Wheeled Vehicle Operator
- 7. TC 9-237 Welding Theory
- 8. USMC E2W2 ICD USMC Expeditionary Energy, Water, and Waste (E2W2) Initial Capabilities Document (ICD) (Sep 2011)
- 9. USMC EES&IP USMC Expeditionary Energy Strategy and Implementation Plan (Feb 2011)

**<u>3536-OPER-2004</u>**: Conduct winch recovery operations with a tactical medium wrecker

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

## MOS PERFORMING: 3536

GRADES: PVT, PFC, LCPL, CPL, SGT, SSGT

## **INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>:** Given a requirement, day or night, various environmental conditions, a disabled vehicle, all required Basic Issue Items, forms, and applicable references with aid of an assistant.

**STANDARD:** To a collection point or return to service without injury to personnel or damage to equipment.

## PERFORMANCE STEPS:

- 1. Perform 8 step recovery process.
- 2. Conduct direct pull with winch.
- 3. Conduct indirect pull with winch.
- 4. Prepare vehicle for road operations.

#### **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. ATI Applicable Technical Instruction
- 3. MCO 10330.2\_ Storage and Handling of Liquefied and Gaseous Compressed Gasses and Their Full and Empty Cylinders
- 4. MCRP 3-40E.1 Recovery and Battle Damage Assessment and Repair (BDAR)
- 5. TC 21-305-20 Manual for the Wheeled Vehicle Operator
- 6. TC 9-237 Welding Theory
- 7. USMC E2W2 ICD USMC Expeditionary Energy, Water, and Waste (E2W2) Initial Capabilities Document (ICD) (Sep 2011)
- 8. USMC EES&IP USMC Expeditionary Energy Strategy and Implementation Plan (Feb 2011)

3536-OPER-2005: Operate medium wrecker auxiliary tools

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3536

GRADES: PVT, PFC, LCPL, CPL, SGT, SSGT

# **INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>**: Given a requirement, day or night, various environmental conditions, operational tactical medium wrecker, all required Basic Issue Items, forms, and applicable references.

**<u>STANDARD</u>**: To safely meet operational requirements with no injury to personnel or damage to equipment.

- 1. Identify auxiliary tool requirement.
- 2. Prepare auxiliary tool for use.

- 3. Operate auxiliary power tools.
- 4. Operate pneumatic tools.
- 5. Operate Oxygen/Acetylene tools.
- 6. Stow auxiliary tools.

- 1. AETM Applicable Equipment Technical Manuals
- 2. ATI Applicable Technical Instruction
- 3. MCO 10330.2\_ Storage and Handling of Liquefied and Gaseous Compressed Gasses and Their Full and Empty Cylinders
- 4. MCRP 3-40E.1 Recovery and Battle Damage Assessment and Repair (BDAR)
- 5. TC 21-305-20 Manual for the Wheeled Vehicle Operator
- 6. TC 9-237 Welding Theory
- 7. USMC E2W2 ICD USMC Expeditionary Energy, Water, and Waste (E2W2) Initial Capabilities Document (ICD) (Sep 2011)
- 8. USMC EES&IP USMC Expeditionary Energy Strategy and Implementation Plan (Feb 2011)

**<u>3536-OPER-2006</u>**: Perform Material Handling Crane (MHC) operations with a tactical medium wrecker

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3536

GRADES: PVT, PFC, LCPL, CPL, SGT, SSGT

# **INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>**: Given a requirement, day or night, various environmental conditions, all required Basic Issue Items, forms, and applicable references with aid of an assistant.

**STANDARD:** Safely meet operational requirements with no injury to personnel or damage to equipment.

#### **PERFORMANCE STEPS:**

- 1. Complete Crane Daily Inspection Checklist.
- 2. Prepare wrecker for crane operation.
- 3. Conduct crane operations.
- 4. Prepare vehicle for follow on operations.

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. ATI Applicable Technical Instruction
- 4. MCO 10330.2D Storage and Handling of Liquefied and Gaseous Compressed Gasses and Their Full and Empty Cylinders (Jun 00)
- 5. MCRP 3-40E.1 Recovery and Battle Damage Assessment and Repair (BDAR)
- 6. TC 21-305-20 Manual for the Wheeled Vehicle Operator
- 7. TC 9-237 Welding Theory
- 8. USMC E2W2 ICD USMC Expeditionary Energy, Water, and Waste (E2W2) Initial

Capabilities Document (ICD) (Sep 2011)

9. USMC EES&IP USMC Expeditionary Energy Strategy and Implementation Plan (Feb 2011)

3536-OPER-2007: Operate utilizing night vision device

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3536

GRADES: PVT, PFC, LCPL, CPL, SGT, SSGT

**INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>**: Given a requirement, limited visibility, medium tactical wrecker, all Basic Issue Items, forms, personnel, and references.

**<u>STANDARD</u>**: Safely to meet operational requirements with no injury to personnel or damage to equipment.

#### PERFORMANCE STEPS:

- 1. Prepare operational forms and records.
- 2. Perform before operations checks.
- 3. Drive vehicle with headlights.
- 4. Drive vehicle utilizing black out drive mode.
- 5. Drive vehicle using Night Vision Devices.
- 6. Perform during operations checks.
- 7. Employ ground guide, as required.
- 8. Perform after operations checks.
- 9. Complete operational forms and records.

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. ATI Applicable Technical Instruction
- 4. MCO 10330.2D Storage and Handling of Liquefied and Gaseous Compressed Gasses and Their Full and Empty Cylinders (Jun 00)
- 5. MCRP 3-40E.1 Recovery and Battle Damage Assessment and Repair (BDAR)
- 6. TC 21-305-20 Manual for the Wheeled Vehicle Operator
- 7. TC 9-237 Welding Theory
- 8. TI 4733-OD/1\_ Calibration Requirements Marine Corps Test, Measurement and Diagnostic Equipment Calibration and Maintenance Program
- 9. USMC E2W2 ICD USMC Expeditionary Energy, Water, and Waste (E2W2) Initial Capabilities Document (ICD) (Sep 2011)
- 10. USMC EES&IP USMC Expeditionary Energy Strategy and Implementation Plan (Feb 2011)

3536-OPER-2008: Conduct recovery operations

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3536

GRADES: PVT, PFC, LCPL, CPL, SGT, SSGT

### **INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>**: Given a requirement, day or night, various environmental conditions, a medium tactical wrecker, all Basic Issue Items, forms, and applicable equipment and reference with the aid of an assistant.

**STANDARD:** Safely meet operational requirements with no injury to personnel or damage to equipment.

## PERFORMANCE STEPS:

- 1. Conduct PMCS on a tactical wrecker.
- 2. Conduct Battle Damage Assessment and Repair.
- 3. Perform Material Handling Crane operations.
- 4. Conduct Towing Operations.
- 5. Conduct winch recovery operations.
- 6. Operate medium wrecker auxiliary tools.
- 7. Operate a tactical wrecker during night operations.

### **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. ATI Applicable Technical Instruction
- 4. MCO 10330.2D Storage and Handling of Liquefied and Gaseous Compressed Gasses and Their Full and Empty Cylinders (Jun 00)
- 5. MCRP 3-40E.1 Recovery and Battle Damage Assessment and Repair (BDAR)
- 6. TC 21-305-20 Manual for the Wheeled Vehicle Operator
- 7. TC 9-237 Welding Theory
- 8. TI 4733-OD/1\_ Calibration Requirements Marine Corps Test, Measurement and Diagnostic Equipment Calibration and Maintenance Program
- 9. USMC E2W2 ICD USMC Expeditionary Energy, Water, and Waste (E2W2) Initial Capabilities Document (ICD) (Sep 2011)
- 10. USMC EES&IP USMC Expeditionary Energy Strategy and Implementation Plan (Feb 2011)

3536-OPER-2009: Perform Preventive Maintenance Checks and Services (PMCS)

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3536

GRADES: PVT, PFC, LCPL, CPL, SGT, SSGT

# **INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>:** Given a requirement, various environmental conditions, an A/MKR tactical heavy wrecker, all required Basic Issue Items, forms, equipment and applicable references with aid of an assistant.

**STANDARD:** Safely meet operational requirements with no injury to personnel or damage to equipment.

#### PERFORMANCE STEPS:

- 1. Determine applicable Technical Manual.
- 2. Gather resources.
- 3. Complete PMCS.
- 4. Complete operational forms/records.

#### **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. ATI Applicable Technical Instruction
- 4. MCO 10330.2D Storage and Handling of Liquefied and Gaseous Compressed Gasses and Their Full and Empty Cylinders (Jun 00)
- 5. MCRP 3-40E.1 Recovery and Battle Damage Assessment and Repair (BDAR)
- 6. TC 21-305-20 Manual for the Wheeled Vehicle Operator
- 7. TC 9-237 Welding Theory
- 8. TI 4733-OD/1\_ Calibration Requirements Marine Corps Test, Measurement and Diagnostic Equipment Calibration and Maintenance Program
- 9. USMC E2W2 ICD USMC Expeditionary Energy, Water, and Waste (E2W2) Initial Capabilities Document (ICD) (Sep 2011)
- 10. USMC EES&IP USMC Expeditionary Energy Strategy and Implementation Plan (Feb 2011)

**3536-OPER-2010:** Operate a tactical heavy wrecker

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3536

**GRADES:** PVT, PFC, LCPL, CPL, SGT, SSGT

**INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>:** Given a requirement, day or night, various environmental conditions, all required Basic Issue Items, forms, and applicable references with aid of an assistant.

**STANDARD:** Safely meet operational requirements with no injury to personnel or damage to equipment.

- 1. Perform before operations checks.
- 2. Prepare operational forms and records.
- 3. Operate wrecker.

- 4. Perform during operations checks.
- 5. Perform emergency procedures.
- 6. Perform after operations checks.
- 7. Complete operational forms and records.

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. ATI Applicable Technical Instruction
- 4. MCO 10330.2D Storage and Handling of Liquefied and Gaseous Compressed Gasses and Their Full and Empty Cylinders (Jun 00)
- 5. MCRP 3-40E.1 Recovery and Battle Damage Assessment and Repair (BDAR)
- 6. TC 21-305-20 Manual for the Wheeled Vehicle Operator
- 7. TC 9-237 Welding Theory
- 8. TI 4733-OD/1\_ Calibration Requirements Marine Corps Test, Measurement and Diagnostic Equipment Calibration and Maintenance Program
- 9. USMC E2W2 ICD USMC Expeditionary Energy, Water, and Waste (E2W2) Initial Capabilities Document (ICD) (Sep 2011)
- 10. USMC EES&IP USMC Expeditionary Energy Strategy and Implementation Plan (Feb 2011)

3536-OPER-2011: Conduct towing operations with a tactical heavy wrecker

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3536

GRADES: PVT, PFC, LCPL, CPL, SGT, SSGT

**INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>**: Given a requirement, day or night, various environmental conditions, disabled vehicle, all required Basic Issue Items, forms, and applicable references with aid of an assistant.

**STANDARD:** Safely meet operational requirements with no injury to personnel or damage to equipment.

### PERFORMANCE STEPS:

- 1. Conduct flat tow operations.
- 2. Conduct front lift tow operations.
- 3. Conduct rear lift tow operations.

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. ATI Applicable Technical Instruction
- 4. MCO 10330.2D Storage and Handling of Liquefied and Gaseous Compressed Gasses and Their Full and Empty Cylinders (Jun 00)
- 5. MCRP 3-40E.1 Recovery and Battle Damage Assessment and Repair (BDAR)
- 6. TC 21-305-20 Manual for the Wheeled Vehicle Operator
- 7. TC 9-237 Welding Theory

- 8. TI 4733-OD/1\_ Calibration Requirements Marine Corps Test, Measurement and Diagnostic Equipment Calibration and Maintenance Program
- 9. USMC E2W2 ICD USMC Expeditionary Energy, Water, and Waste (E2W2) Initial Capabilities Document (ICD) (Sep 2011)
- 10. USMC EES&IP USMC Expeditionary Energy Strategy and Implementation Plan (Feb 2011)

**<u>3536-OPER-2012</u>**: Conduct winch recovery operations with a tactical heavy wrecker

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3536

GRADES: PVT, PFC, LCPL, CPL, SGT, SSGT

### **INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Given a requirement, day or night, various environmental conditions, a disabled vehicle, all required Basic Issue Items, forms, and applicable references with aid of an assistant.

**STANDARD:** Safely meet operational requirements with no injury to personnel or damage to equipment.

# PERFORMANCE STEPS:

- 1. Perform 8-step recovery process.
- 2. Conduct direct pull with winch.
- 3. Conduct indirect pull with winch.
- 4. Prepare vehicle for road operations.

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. ATI Applicable Technical Instruction
- 4. MCO 10330.2D Storage and Handling of Liquefied and Gaseous Compressed Gasses and Their Full and Empty Cylinders (Jun 00)
- 5. MCRP 3-40E.1 Recovery and Battle Damage Assessment and Repair (BDAR)
- 6. TC 21-305-20 Manual for the Wheeled Vehicle Operator
- 7. TC 9-237 Welding Theory
- 8. TI 4733-OD/1\_ Calibration Requirements Marine Corps Test, Measurement and Diagnostic Equipment Calibration and Maintenance Program
- 9. USMC E2W2 ICD USMC Expeditionary Energy, Water, and Waste (E2W2) Initial Capabilities Document (ICD) (Sep 2011)
- 10. USMC EES&IP USMC Expeditionary Energy Strategy and Implementation Plan (Feb 2011)

**3536-OPER-2013:** Operate heavy wrecker auxiliary tools

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3536

GRADES: PVT, PFC, LCPL, CPL, SGT, SSGT

### **INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>**: Given a requirement, day or night, various environmental conditions, operational tactical heavy wrecker, all required Basic Issue Items, forms, and applicable references.

**STANDARD:** Safely meet operational requirements with no injury to personnel or damage to equipment.

#### PERFORMANCE STEPS:

- 1. Identify auxiliary tool requirement.
- 2. Prepare auxiliary tool for use.
- 3. Operate auxiliary power tools.
- 4. Operate hydraulic auxiliary tools.
- 5. Operate Oxygen/Acetylene tools.
- 6. Operate pneumatic auxiliary tools.
- 7. Stow auxiliary tools.

# **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. ATI Applicable Technical Instruction
- 4. MCO 10330.2D Storage and Handling of Liquefied and Gaseous Compressed Gasses and Their Full and Empty Cylinders (Jun 00)
- 5. MCRP 3-40E.1 Recovery and Battle Damage Assessment and Repair (BDAR)
- 6. TC 21-305-20 Manual for the Wheeled Vehicle Operator
- 7. TC 9-237 Welding Theory
- 8. TI 4733-OD/1\_ Calibration Requirements Marine Corps Test, Measurement and Diagnostic Equipment Calibration and Maintenance Program
- 9. USMC E2W2 ICD USMC Expeditionary Energy, Water, and Waste (E2W2) Initial Capabilities Document (ICD) (Sep 2011)
- 10. USMC EES&IP USMC Expeditionary Energy Strategy and Implementation Plan (Feb 2011)

**3536-OPER-2014:** Perform Material Handling Crane (MHC) operations with a tactical heavy wrecker

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3536

GRADES: PVT, PFC, LCPL, CPL, SGT, SSGT

#### **INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>**: Given a requirement, day or night, various environmental conditions, all required Basic Issue Items, forms, and applicable references with aid of an assistant.

**STANDARD:** Safely meet operational requirements with no injury to personnel or damage to equipment.

## PERFORMANCE STEPS:

- 1. Complete crane daily inspection checklist.
- 2. Prepare wrecker for crane operation.
- 3. Conduct crane operations.
- 4. Prepare vehicle for follow on operations.

# **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. ATI Applicable Technical Instruction
- 4. MCO 10330.2\_ Storage and Handling of Liquefied and Gaseous Compressed Gasses and Their Full and Empty Cylinders
- 5. MCRP 3-40E.1 Recovery and Battle Damage Assessment and Repair (BDAR)
- 6. TC 21-305-20 Manual for the Wheeled Vehicle Operator
- 7. TC 9-237 Welding Theory
- 8. TI 4733-OD/1\_ Calibration Requirements Marine Corps Test, Measurement and Diagnostic Equipment Calibration and Maintenance Program
- 9. USMC E2W2 ICD USMC Expeditionary Energy, Water, and Waste (E2W2) Initial Capabilities Document (ICD) (Sep 2011)
- 10. USMC EES&IP USMC Expeditionary Energy Strategy and Implementation Plan (Feb 2011)

3536-OPER-2015: Conduct Battle Damage Assessment and Repair (BDAR)

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3536

GRADES: PVT, PFC, LCPL, CPL, SGT, SSGT

#### **INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>:** Given a day or night requirement, various environmental conditions, an operational tactical wrecker, a disabled vehicle, all required Basic Issue Items, forms, required tools and equipment, and applicable references with aid of an assistant.

**STANDARD:** Safely meet operational requirements with no injury to personnel or damage to equipment.

- 1. Perform a Battle Damage Assessment.
- 2. Prepare equipment.
- 3. Perform cutting operations, as required.
- 4. Secure equipment.
- 5. Prepare vehicle for follow on operations.

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. ATI Applicable Technical Instruction
- 4. MCO 10330.2\_ Storage and Handling of Liquefied and Gaseous Compressed Gasses and Their Full and Empty Cylinders
- 5. MCO 10330.2D Storage and Handling of Liquefied and Gaseous Compressed Gasses and Their Full and Empty Cylinders (Jun 00)
- 6. MCRP 3-40E.1 Recovery and Battle Damage Assessment and Repair (BDAR)
- 7. TC 21-305-20 Manual for the Wheeled Vehicle Operator
- 8. TC 9-237 Welding Theory
- 9. TI 4733-OD/1\_ Calibration Requirements Marine Corps Test, Measurement and Diagnostic Equipment Calibration and Maintenance Program
- 10. USMC E2W2 ICD USMC Expeditionary Energy, Water, and Waste (E2W2) Initial Capabilities Document (ICD) (Sep 2011)
- 11. USMC EES&IP USMC Expeditionary Energy Strategy and Implementation Plan (Feb 2011)

3536-OPER-2016: Operate utilizing night vision device

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

- READINESS-CODED: NO
- MOS PERFORMING: 3536
- GRADES: PVT, PFC, LCPL, CPL, SGT, SSGT

**INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>**: Given a requirement, limited visibility, operational heavy tactical wrecker, all Basic Issue Items, forms, with the aid of an assistance, personnel, and references.

**STANDARD:** Safely to meet operational requirements with no injury to personnel or damage to equipment.

- 1. Prepare operational forms and records.
- 2. Perform before operations checks.
- 3. Drive vehicle with headlights.
- 4. Drive vehicle utilizing black out drive mode.
- 5. Drive vehicle using Night Vision Devices.
- 6. Perform during operations checks.
- 7. Employ ground guide, as required.
- 8. Perform after operations checks.
- 9. Complete operational forms and records.
## **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. ATI Applicable Technical Instruction
- 4. MCO 10330.2\_ Storage and Handling of Liquefied and Gaseous Compressed Gasses and Their Full and Empty Cylinders
- 5. MCO 10330.2D Storage and Handling of Liquefied and Gaseous Compressed Gasses and Their Full and Empty Cylinders (Jun 00)
- 6. MCRP 3-40E.1 Recovery and Battle Damage Assessment and Repair (BDAR)
- 7. TC 21-305-20 Manual for the Wheeled Vehicle Operator
- 8. TC 9-237 Welding Theory
- 9. TI 4733-OD/1\_ Calibration Requirements Marine Corps Test, Measurement and Diagnostic Equipment Calibration and Maintenance Program
- 10. USMC E2W2 ICD USMC Expeditionary Energy, Water, and Waste (E2W2) Initial Capabilities Document (ICD) (Sep 2011)
- 11. USMC EES&IP USMC Expeditionary Energy Strategy and Implementation Plan (Feb 2011)

3536-OPER-2017: Conduct recovery operations

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3536

GRADES: PVT, PFC, LCPL, CPL, SGT, SSGT

# **INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>**: Given a requirement, day or night, various environmental conditions, a medium or heavy tactical wrecker, all Basic Issue Items, forms, and applicable equipment and reference with the aid of an assistant

**STANDARD:** Safely meet operational requirements with no injury to personnel or damage to equipment.

## PERFORMANCE STEPS:

- 1. Conduct PMCS on a tactical wrecker.
- 2. Conduct Battle Damage Assessment and Repair.
- 3. Perform Material Handling Crane operations.
- 4. Conduct Towing Operations.
- 5. Conduct winch recovery operations.
- 6. Operate medium tactical wrecker auxiliary tools.
- 7. Operate a tactical wrecker during night operations.

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. ATI Applicable Technical Instruction
- 4. MCO 10330.2\_ Storage and Handling of Liquefied and Gaseous Compressed Gasses and Their Full and Empty Cylinders
- 5. MCO 10330.2D Storage and Handling of Liquefied and Gaseous Compressed Gasses and Their Full and Empty Cylinders (Jun 00)

- 6. MCRP 3-40E.1 Recovery and Battle Damage Assessment and Repair (BDAR)
- 7. TC 21-305-20 Manual for the Wheeled Vehicle Operator
- 8. TC 9-237 Welding Theory
- 9. TI 4733-OD/1\_ Calibration Requirements Marine Corps Test, Measurement and Diagnostic Equipment Calibration and Maintenance Program
- 10. USMC E2W2 ICD USMC Expeditionary Energy, Water, and Waste (E2W2) Initial Capabilities Document (ICD) (Sep 2011)
- 11. USMC EES&IP USMC Expeditionary Energy Strategy and Implementation Plan (Feb 2011)

# MOTOR-T T&R MANUAL

# CHAPTER 11

# MOS 3537 INDIVIDUAL EVENTS

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# MOTOR-T T&R MANUAL

#### CHAPTER 11

## MOS 3537 INDIVIDUAL EVENTS

**11000. PURPOSE.** This chapter includes all individual events for the Motor Transport Operations Chief. Each event is composed of an individual event title, condition, standard, performance steps, support requirements, and references. Accomplishment and proficiency level required is determined by the event standard.

## 11001. EVENT CODING

Events in this T&R Manual are depicted with an up to 12-character, 3-field alphanumeric system, i.e. XXXX-XXXX-XXXX. This chapter utilizes the following methodology:

a. Field one. This field represents the community. This chapter contains the following community code:

Code	Descr	iption		
3537	Motor	Transport	Operations	Chief

b. Field two. This field represents the functional/duty area. This chapter contains the following functional/duty areas:

Code	Description
ADMN	Administration
OPER	Operator

c. Field three. This field provides the level at which the event is accomplished and numerical sequencing of events. This chapter contains the following event level:

Code	Desci	riptio	on
2000	Core	Plus	Skills

#### 11002. MOS 3537 BILLET DESCRIPTIONS/CORE CAPABILITIES

**CAREER PROGRESSION PHILOSOPHY:** Completion of the Motor Transport Staff Noncommissioned Officer's Operation Course (MTSNCOC) (M03CDL7) conducted at Marine Corps Combat Service Support School, Camp Lejeune, NC; is required within one year of promotion to the rank of Staff Sergeant.

BILLET: MOTOR TRANSPORT OPERATIONS CHIEF Serve as the Subject Matter Expert on all Motor Transport operations matters and the Commander on all matters pertaining to motor transport operations.

# Core Capabilities:

1. Serve as the Motor Transport Chief for MSC.

2. Provide subject matter advice to the AC/S G-3, G-4, and staff regarding tactical and commercial motor transport operations within MSC.

3. Procedures for the operation of all tactical and commercial vehicles

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4. Supervise the coordination of transportation support from outside agencies and MSE. 5. Assist of MSC 353X personnel to include assistance with unit deployment. 6. Manage the MSC Road-Masters, licensing, and LRE programs. 7. Manage the Automated Information Systems (AIS) for units support request. 8. Review MSC organizational T/O's and T/E's to ensure personnel and equipment requirements are consistent across the units. BILLET: MOTOR TRANSPORT SECTION CHIEF Ensure the proper operation, training, control, discipline, conduct and welfare of the platoon at all times. Core Capabilities: 1. Ensure the proper operation, training, control, discipline, conduct and welfare of the platoon at all times. 2. Assist in the employment of the platoon and its mounted assets tactically in combat. 3. Oversee the conduct of rehearsals, Pre-Combat Checks and Inspections, prior to the execution of Combat Logistics Patrols. 4. Oversee the utilization and maintenance of all equipment assigned to the platoon. 5. Oversee all personnel and equipment accountability procedures. 6. Ensure the proper training of the platoon. 7. Ensure all Preventative and Corrective Maintenance and Services on all vehicles assigned to the platoon, ensuring a safe work environment utilizing Risk Management (RM). 8. Serve as the enlisted adviser to the Platoon Commander. 9. Serve as a professional role model to all Marines within the platoon, mentoring individual Marines. 10. Manage all logistical, personnel and administrative requirements of the platoon. 11. Manage Automated Information Systems (AIS) for section capability and capacity. BILLET: MOTOR TRANSPORT CHIEF Serve as the Subject Matter Expert on all Motor Transport operations matters and advise the Commander on all matters pertaining to motor transport operations. Core Capabilities: 1. Advise the Commanding Officer with regard to the conduct of all Motor Transport operations. 2. Synchronize Motor Transport operations with the capabilities and readiness of the Motor Pool. 3. Manage the daily functioning of the motor pool. 4. Develop and implement all motor transport training within the unit. 5 Mentor Motor Transport Staff Noncommisssioned Officers on all aspects of motor transport operations. 6. Keep appraised of the latest motor transport operations information, and disseminate it throughout the unit. 7. Oversee the acquisition, maintenance and accountability of all motor transport equipment. 8. Oversee the employment of all motor transport equipment within the unit. 9. Ensure the implementation of proper safety measures during motor transport Operations. 10. Oversee all administrative aspects of Motor Transport operations, to

include: Licensing, Quality Control and Dispatching.

 Review organizational T/O's and T/E's to ensure personnel and equipment requirements are consistent with the organizational mission.
Develop annual training requirements IAW MTP's, METs and METLs.

## BILLET: MOTOR TRANSPORT COORDINATION CHIEF

Coordinate and manage Transportation of Things (TOT)/Transportation of People (TOP) and Material Heavy Equipment Request (MHE) and Transportation Movement Requests (TMRs) for MSC.

## Core Capabilities:

1. Coordinate and manage Transportation of Things (TOT)/Transportation of People (TOP) and Material Heavy Equipment Request (MHE) and Transportation Movement Requests (TMRs) for MSC.

2. Coordinate with MEF Movement Control Center and Regimental UMCC to verify and confirm support commitments.

 Coordinate with the MAGTF Movement Control Center (MMCC) and Regimental/Battalion UMCCs to verify and confirm support commitments.
Assist the Road-master in the screening and verification of Ground Transportation Requests (GTR) process.

5. Update, track, manage and supervise MSC/Regiment/Battalion equipment and personnel availability via TCPT.

# BILLET: MOTOR TRANSPORT UNIT MOVEMENT COORDINATION CENTER CHIEF Perform the duties as the Unit Movement Control Center (UMCC) Coordinator. Core Capabilities:

1. Perform the duties as the Motor Transport Unit Movement Control Center (UMCC) Coordinator.

2. Coordinate Transportation of People/Transportation of Things (TOT/TOP) and Material Handling Equipment (MHE) support and Transportation Movement Requests (TMRs) for unit.

3. Coordinate with the MSC Movement Control Center (MMCC) and Regimental/Battalion UMCCs to verify and confirm support commitments.

## BILLET: LICENSING EXAMINER

Responsible for informing the Motor Transportation Officer and Chief on all matters pertaining to the licensing section.

Core Capabilities:

1. Supervise a comprehensive licensing program capable of licensing operators and incidental drivers on tactical vehicles according to Marine Corps orders, Technical Manuals (TM) and Standard Operating Procedures (SOP).

2. Ensure personnel are licensed in accordance with applicable orders and directives.

3. Ensure rules and regulations regarding safe operation of tactical and Garrison Mobile Equipment are understood and adhered to.

4. Ensure proper care and first echelon maintenance required for tactical vehicles are understood and adhered to.

5 Responsible for issuing new, renewed, upgraded, and duplicated licenses.

6. Maintain a data base recording driver license(s) and expiration date.

7. Maintain a licensing log containing card number, issue date, expiration date, and applicants name upon issuance of an OF-346.

8. Maintain a driver's history file for transactions process by the licensing office.

9. Ensure paperwork is filled out properly before submission to the Motor Transportation Chief for review.

10. Ensure paperwork is filled out properly before submission to the Motor Transport Chief for review.

## BILLET: ROAD MASTER

Enforce all orders and regulations pertaining to the safe and efficient operation of all government vehicles by conducting patrols, safety inspections, spot checks and patrol road network traveled by command vehicles.

## Core Capabilities:

 Conduct traffic stops of all personnel operating government vehicles abroad the base not in accordance with references and/or safety regulations.
Issue citations, inspect and deadline tactical and Garrison Mobile Equipment (GME), which according to references are unsafe to operate due to safety or mechanical deficiencies.

3. Conduct liaison visits to unit motor transport facilities.

4. Conduct convoy pre-inspections to ensure equipment is safe, and cargo is properly loaded and secured.

5. Conduct convoy escort duties as required.

6. Render assistance to military/government vehicles operating within the posted area.

## BILLET: CHIEF DISPATCHER

Review, validate, and manage the employment of government owned vehicles and personnel.

## Core Capabilities:

1. Ensure all personnel and equipment availability capability are accurately reported within Transportation Capacity Planning Tool (TCPT).

2. Manage Transportation Movement Request/Ground Transportation Requests and mission complete.

3. Manage the master log on a daily basis.

4. Make sure all trip tickets are complete and properly inputted into TCPT.

5. Ensure that forms and records are maintained IAW applicable references.

6. Make sure every operator who leaves the motor pool has the appropriate documentation and qualifications to operate the tactical or GME vehicle.

7. Dispatch motor transportation equipment using the TCPT IAW SOP Reference.

Update the status of equipment on TCPT utilizing the MPR or GCSS.
If a Wrecker is requested, ensure a load test equipment daily checklist is completed and attached with the trip ticket to be kept for 30 days.

## BILLET: TRUCK MASTER

Manage all motor transport assets within unit.

#### Core Capabilities:

1. Assist the Operations Chief in the supervision of daily operational tasks to include dispatching, quality control, vehicle coordination, safety management, and licensing.

2. Coordinate and supervise the accomplishment of all motor transport vehicle request and commitments for both internal and external support.

3. Inspect and ensure the timely submission of all motor transport operations forms and records are accurate and maintained on a daily basis.

4. Assign daily task and coordinate schedules to support mission requirements.

5. Manage the daily operations of the motor pool.

6. Act as the Operations Chief in his absence.

7. Act as the Platoon Sergeant and Training Representative.

8. Maintain constant accountability of all personnel within the platoon.

9. Supervise the proper instruction, training, and testing of every Marine.

#### BILLET: FUTURE OPERATIONS CHIEF

Assist the Future Operations, Coordinate and supervise the planning of future operations and exercises to ensure execution is in line with the Commanding Officer's intent.

# Core Capabilities:

1. Maintains communication and conducts coordination with Higher, Adjacent, Subordinate, Supported, and Supporting (HASSS).

2. Conducts required coordination for resources and approvals to enable future missions. Knows and understands the capabilities and capacities of the unit.

3. Receives, analyzes, and validates support requests.

4. Identifies requirements to Higher Headquarters (HHQ). Forms Operational Planning Teams (OPT) to develop order/Letters of Instruction (LOI) as

required. Tasks subordinate units to execute logistics missions. 5. Coordinates with the current operations section to ensure integration of the next battle plan. Integrates Intelligence, Surveillance, and Reconnaissance (ISR) activities with future operations.

6. Ensures a continuous transition process to generate tempo internal to the force. Develops and transmits mission schedules.

7. Manages a Common Tactical Picture (logistics focused). Projects future requirements.

8. Integrates the warfighting functions in support of Logistics. Provides situational awareness to support the Commander's decision-making as it relates to the mission.

#### BILLET: CURRENT OPERATIONS CHIEF

Supervise the activities of current ops, future ops and training sections. Core Capabilities:

1. Maintains communication and conduct coordination with Higher, Adjacent, Subordinate, Supported, and Supporting (HASSS).

2. Coordinates and executes the current order.

3. Command and controls the execution of logistics missions.

4. Executes the control of unit movements (in-transit visibility): Battle tracking. Tracks unit resources committed to missions. Manages the Common Tactical Picture. Manages execution of rapid response missions.

5. Prepares fragmentary orders/LOIs in support of battalion training. Provides future operations with situational awareness. Resolves significant actions / significant events.

6. Receives and send combat reports. Assesses shaping actions and the progress toward the commander's decisive actions.

7. Tracks CCIRs and Decision Points. Integrates Intelligence, Surveillance, and Reconnaissance (ISR) activities with current operations. Maintains essential maps and information.

8. Monitors operations of the MAGTF. Integrates the warfighting functions in support of accomplishing the mission.

#### BILLET: REGIMENTAL OPERATIONS S-3 CHIEF

Serve as the senior enlisted SNCO advisor to the Commanding Officer for tactical operations, training and readiness, as well as, the senior Motor Transport advisor.

## Core Capabilities:

1. Establish, supervise, and maintain the architecture and training of the Combat Operations Center.

2. Assist the Operations Officer in the planning, execution, and supervision of all operations requirements, to include monitoring and managing personnel and equipment readiness and acting in his or her absence.

3. Plan, coordinate and direct the daily activities of the Regiment's support for execution of operations and execerises ; HHQ orders, directives and tasks: PTP and annual training requirements; and all activities affecting regimental operations.

4. Assist with synchronization efforts across the Regimental Staff to ensure continuous coordination of force generation, pre-deployment training of SPMAGTF/MRF-D, direct support to requesting units, and overall mission readiness.

5. Serve as the Marine Expeditionary Brigade Logistics Combat Element S-3 Chief.

# BILLET: MILITARY OCCUPATIONAL SPECIALTY MONITOR

Core Capabilities:

1. Advise Manpower Management and Enlisted Assignment on matters related to 353X personnel.

2. Manage worldwide assignments for Marines in PMOS's 3531/3537 in all ranks from E1 TO E9.

3. Monitor unit strength to ensure combat readiness throughout the Marine Corps.

4. Mentor and counsel Marines on career progression and advancement.

5. Educate Officers, SNCO's and Marines on enlisted assignment policies.

6. Screen Marines for special duties, independent duties, and other unique assignments.

7. Recommend decisions for retention and lateral moves.

8. Conduct retention assistance visits to various commands as directed or requested.

# BILLET: ACADEMICS CHIEF

Core Capabilities:

1. Maintain T/O staffing requirements through higher headquarters and HQMC MMEA for 35XX enlisted billets.

 Direct an Instructor Development Program to include instructor and curriculum development training, to include the Master Instructor Program.
Oversee instructor evaluations, mentor instructors.

4. Assist in coordination of Course Content Review Boards.

5. Assist in preparation of Annual Training Input Plans (TIP) and fiscal year schedule of classes.

6. Assist in conduct of internal/external course inspections.

## Billet: FORMAL SCHOOL INSTRUCTOR

The Motor Transport Operations Formal School Instructor will complete the Instructor Development Course (IDC) and the Curriculum Development Course (CDC) at the Train the Trainer School on Motor Transport Maintenance Officer's Course (MTMOC) Camp Johnson, NC. The Formal School Instructor is a Subject Matter Expert in Motor Transport operations and will be screened for assignment to duty as a Formal School Instructor by his/her parent command, the 353X Monitor, the Operations School Academics Chief, the Motor Transport Instructional Company (MTIC) or Logistics Operations School (LOS).

## Core Capabilities:

1. Implement formal instruction relating to the MOSs of 3531 and 3537.

2. Develop, revise or update Master Lesson Files (MLF).

3. Be proficiently sound in the Marine Corps Instructional Designs and Systems Approach to Training and Education process.

4. Administer practical application exercises.

5. Administer perform and written evaluations.

6. Maintain training devices and resources associated to Motor Transport Operations.

7. Perform curriculum development in line with Training and Readiness Manual.

8. Maintain positive example for students through uniform appearance, fitness, integrity, maturity, and bearing. BILLET: MILITARY OCCUPATIONAL SPECIALTY (MOS) SPECIALIST MOS Specialists are the SMEs for a specific MOS or a group of similar MOSs. Core Capabilities: 1. Technical Advisor to the Motor Transport OccFld Manager. 2. Evaluate proposed changes to MOS Manual. 3. Serve as the focal point of contact for Motor Transport maintenance training. 4. Review training tracks for 353X MOSs 5. Participate in the development of programs training for Motor Transport Maintenance. 6. Provide MOS specialist expertise and assistance to capability initiatives pertaining to Motor Transport Maintenance. 7. Provide subject matter expertise in all Motor Transport related Manpower Estimate/MPTP IPTs. 8. Coordinate and organize schedule and content for Motor Transport Advisory Group 9. Coordinate and organize schedule and content for Motor Transport Breakout sessions at the DOD Maintenance Symposium. 10. Provide comments and recommendations to proposed TOECRs 11. Assist TF DOTMLPF&C WG analysis by providing OccFld expertise and assistance relating to manpower and equipment. Billet: TASK ANALYST 1. Serve as the Task Analyst for Engineer and Utilities and Motor Transport communities. 2. Plan and execute Training and Readiness (T&R) working groups IAW triannual schedules and produce complete T&R manuals reflecting Occupational Field Advocate (OCC/FA) training standards and objectives. 3. Communicate continuously and effectively with HQMC's Advocate office to develop situational awareness of emergent issues and meet OCC/FA training standardization requirements. 4. Coordinate with assigned Formal Schools to ensure programs of instruction are current, reflect the current T&R manual training standards, and are compliant with MCO 1553.2\_ and NAVMC 1553.1\_. 5. Meet mandated timeliness/suspense dates to ensure products comply with MCO P3500.72A, MCO 1553.2 , NAVMC 1553.1 , and other pertinent references.

6. Support manpower training plan (MPTP) analysis and conduct document review as required.

7. Serve as the Senior Enlisted Advisor to the Logistics Support Branch (LSB) Branch Head.

Event Code	E-	Event	Page
	Coded		
3537-ADMN-2001	NO	Manage tool control	11-9
3537-ADMN-2002	NO	Manage the handling of hazardous	11-9
		material/waste	
3537-ADMN-2003	NO	Manage a publication library	11-10
3537-ADMN-2004	NO	Supervise Automated Information System	11-11
		(AIS) functions	
3537-ADMN-2005	NO	Manage an operator/incidental driver	11-12
		licensing program	
3537-ADMN-2006	NO	Manage safety related programs	11-13

# 11003. INDEX OF 2000-LEVEL EVNTS

3537-MAIN-2101	NO	Maintain equipment accountability	11-14
3537-MAIN-2102	NO	Manage Preventive Maintenance Checks and	11-14
		Services (PMCS)	
3537-OPER-2301	NO	Manage a Motor transport licensing	11-15
		program	
3537-OPER-2302	NO	Direct convoy operations	11-16
3537-OPER-2303	NO	Manage transportation support	11-17
3537-OPER-2304	NO	Manage movement control	11-18
3537-OPER-2305	NO	Direct vehicle recovery operations	11-19
3537-OPER-2306	NO	Direct fording operations	11-19
3537-OPER-2307	NO	Establish a tactical motor pool	11-20
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		equipment	
3537-OPER-2309	NO	Manage Preventive Maintenance Checks and	11-21
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# 11004. 2000-LEVEL EVENTS

3537-ADMN-2001: Manage tool control

EVALUATION-CODED: NO

## SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

# **INITIAL TRAINING SETTING:** MOJT

**<u>CONDITION</u>**: Given references a requirement, tool sets, chests, and kits, Automated Information System (AIS), forms and records, and references.

**STANDARD:** To ensure accurate accountability and serviceability.

## PERFORMANCE STEPS:

- 1. Identify authorized tool sets, chests, and kits.
- 2. Enforce inventory procedures.
- 3. Inspect inventory records.
- 4. Validate tool sets, chests, and kits requisitions.
- 5. Determine control methods.
- 6. Enforce tool disposition procedures.

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. ASL-3 Applicable Stock Listing
- 4. MCO 4400.150 Consumer-Level Supply Policy
- 5. MCTP 8-10B How to Conduct Training

3537-ADMN-2002: Manage the handling of hazardous material/waste

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

**INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>**: Given references, a requirement, equipment, personnel and hazardous materials.

STANDARD: Without risk to personnel, equipment or environment.

### PERFORMANCE STEPS:

1. Identify hazardous material.

- 2. Direct the use of the appropriate Personal Protective Equipment (PPE).
- 3. Conduct the disposal of hazardous waste.

## REFERENCES:

- 1. CFR 29 Code of Federal Regulations Labor
- 2. CFR 40 Code of Federal Regulations Hazardous Substances & Wastes
- 3. CFR 49 Parts 100-185 Code of Federal Regulations Transportation
- 4. DCAM 4145.11 Storage & Handling of Hazardous Material
- 5. LOCAL SOP Local SOPs
- 6. MCO 10330.2D Storage and Handling of Liquefied and Gaseous Compressed Gasses and Their Full and Empty Cylinders (Jun 00)
- 7. MCO 4450.12\_ DON'T DELETE-OTHER SCHOOLS USE THIS-BESIDES it is still valid at PEL Storage and Handling of Hazardous Materials
- 8. MCO P5090.2\_ Environmental Compliance and Protection Manual
- 9. NAVESEA SW020-AG-SAF-010 Navy Transportation Safety Handbook for Ammunition, Explosives and Related Hazardous Materials
- 10. NAVMC DIR 5100.8\_ Marine Corps Occupational Safety and Health (OSH) Program Manual
- 11. NAVSEA SWO20-AF-ABK-010 Motor Vehicle Driver and Shipping Inspector's Manual for Ammunition, Explosives and Related Hazardous Materials
- 12. SW020-AC-SAF-010 Transportation and Storage Data for Ammunition, Explosives and Related Hazardous Materials
- 13. TM 9-6140-200-14 Lead Acid Batteries 4HN, 2H, 6TN

#### MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** Certification must be obtained through local installation environmental organization.

3537-ADMN-2003: Manage a publication library

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

**INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Provided with references, personnel, support equipment and a publication library.

STANDARD: To maintain a unit's operational capability and readiness.

### PERFORMANCE STEPS:

- 1. Inspect the library.
- 2. Identify deficient publications.
- 3. Supervise the requisitioning of publications.
- 4. Direct the maintenance of publications.
- 5. Determine validation requirements.
- 6. Enforce reconciliation requirements.
- 7. Administer changes, as required.

## **REFERENCES:**

- 1. LOCAL SOP Local SOPs
- 2. MCO 5215.1\_ Marine Corps Directives Management Program
- 3. MCO 5215.17\_ Marine Corps Technical Publication Management
- 4. MCO 5600.31\_ Marine Corps Printing, Publishing and Reprographics Equipment Regulations
- 5. MCTP 8-10B How to Conduct Training
- 6. NAVMC 2761 Catalog of Publications
- 7. SL 1-2/3 Index of Authorized Publications in Stock
- 8. SL 1-3 Index of Authorized Publications in Stock
- 9. UM-MCPDS 5605 Marine Corps Publications Distribution System
- 10. UM-PLMS Marine Corps Publications Library Management System (PLMS) Users Manual

3537-ADMN-2004: Supervise Automated Information System (AIS) functions

EVALUATION-CODED: NO

#### SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

**INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>**: Given references, a requirement, personnel, input transactions and output reports.

**STANDARD:** In accordance with maintenance management procedures to maintain unit readiness levels.

#### PERFORMANCE STEPS:

1. Manage AIS input transactions.

- 2. Audit AIS input transactions.
- 3. Audit output reports.

### **REFERENCES:**

- 1. BCS3 Users Guide Battle Command Sustainment Support System (BCS3) Users Guide
- 2. C2PC SUM C2PC 8.0.0.1 Software Users Manual (SUM)
- 3. CLC2S User Guide CLC2S User Guide
- 4. MCBul 3000\_ Marine Corps Readiness Reportable Ground Equipment
- MCO 3000.11\_ Ground Equipment Condition and Supply Materiel Readiness Reporting (MRR) Policy
- 6. MCO 4400.16\_ Uniform Material Movement and Issue Priority System (UMMIPS)
- 7. MCO 4790.2\_ Field-Level Maintenance Management Policy (FLMMP)
- 8. MCO 4790.25\_ Ground Equipment Maintenance Program (GEMP)
- 9. MCTP 8-10B How to Conduct Training
- 10. MSTP PAM 4-0.1 Movement Control
- 11. TM 4700-15/1\_ Ground Equipment Record Procedures
- 12. UM 4400.125 GCSS-MC User Manual
- 13. User Manual TCPT v1.0.9 GTR/GTO user Guide

## MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** Formal training of MLS2 Programs can be obtained through local MAGTF Integrated Systems Training Center (MISTC).

3537-ADMN-2005: Manage an operator/incidental driver licensing program

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

**INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>**: Given a requirement, references, personnel and equipment, and training facilities.

STANDARD: To meet requirements to obtain an OF 346.

### PERFORMANCE STEPS:

- 1. Supervise Phase I operator training.
- 2. Supervise Phase II operator training.
- 3. Supervise IMVOC Performance Evaluation as required.
- 4. Validate licensing forms and records as required.
- 5. Submit licensing forms and records as required.
- 6. Coordinate testing with licensing authority as required.
- 7. Validate recording of license qualifications.
- 8. Supervise remediation training as required.

## **REFERENCES**:

1. MCO 11240.118\_ Licensing Program for Tactical Wheeled Motor Transport

Equipment Operators

2. TM 11240-15/3 Motor Vehicle Licensing Official's Manual

## MISCELLANEOUS:

## ADMINISTRATIVE INSTRUCTIONS:

Only units/commands with authorized licensing codes can issue an OF 346. Licensing codes are listed in the MCO 11240.118 Appendix A. The source reference is TM 11240-15/3G:

(1)Phase One operator training. Complete all modules of the Incidental Motor Vehicle Operator Course (IMVOC) for the specific vehicle via distance learning on MarineNet; or with classroom instruction utilizing curriculum posted on eHQMC Motor Transport SharePoint site as prescribed by the Director, Motor Transport Instruction Company (MTIC), Fort Leonard Wood, MO. See Appendix D for information regarding access to training/testing material. (2)Phase Two operator training. Upon completion of the vehicle specific training modules, applicants must complete hands-on training to include "behind-the-wheel" practical application (road time) prior to receiving an upgrade endorsement. Hands-on training will be evaluated utilizing vehicle specific practical application checklists that cover all IMVOC Performance Tasks outlined in the approved training curriculum for each vehicle type the applicant is being licensed on.

3537-ADMN-2006: Manage safety related programs

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

**INITIAL TRAINING SETTING:** MOJT

CONDITION: Given references, facilities, equipment, and personnel.

STANDARD: To prevent injury to personnel or damage to equipment.

### PERFORMANCE STEPS:

1. Implement safety program.

2. Enforce safety requirements when using compressed air.

- 3. Enforce regulations for using load bearing equipment.
- 4. Enforce the use of Personal Protective Equipment.
- 5. Enforce regulations regarding a battery shop.
- 6. Enforce requirements for marking hazardous equipment.
- 7. Enforce proper use of equipment.
- 8. Enforce requirement for hearing conservation.
- 9. Identify regulations for using safety equipment.
- 10. Determine marking requirements of hazardous workspaces.
- 11. Enforce regulations for welding operations.
- 12. Enforce regulations for the use of respirators.
- 13. Enforce requirements for tire safety.

## **REFERENCES:** 1. CFR 29 Code of Federal Regulations - Labor 2. LOCAL SOP Local SOPs

3. TM 10209-10/1\_ Use and Care of Hand Tools and Measuring Tools

3537-MAIN-2101: Maintain equipment accountability

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

**INITIAL TRAINING SETTING:** FORMAL

CONDITION: Given references, equipment and equipment accountability records.

**STANDARD:** Ensuring 100% accountability and compliance.

## PERFORMANCE STEPS:

- 1. Verify units T/O&E.
- 2. Receipt for all on hand equipment.
- 3. Conduct inventories as required.
- 4. Submit required documentation.
- 5. Manage sub-custody as required.

### **REFERENCES:**

- 1. https://TFSMS.MCCDC.usmc.mil Total Force Structure Management System
- 2. MCO 4400.150 Consumer-Level Supply Policy
- 3. UM 4400-123 FMF SASSY Management Unit Procedures
- 4. UM 4400-124 FMF SASSY Using Unit Procedures

3537-MAIN-2102: Manage Preventive Maintenance Checks and Services (PMCS)

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

**INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>**: Provided with a requirement, references, motor transport equipment, personnel, materials, and an AIS.

**STANDARD:** To maintain unit readiness.

## PERFORMANCE STEPS:

- 1. Direct organizational PMCS.
- 2. Perform AIS transactions (as required).
- 3. Audit AIS reports (as required).
- 4. Direct the disposition of forms and records.

#### **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. ALO/I Applicable Lubrication Order/Instruction
- 4. ATI Applicable Technical Instruction
- 5. ATP 4-11 Army Motor Transport Operations
- 6. FED LOG Federal Logistics Data
- https://www.dlis.dla.mil/fedlog/default.asp
- 7. GCSS-MC Procedural Notices GCSS-MC Handbook
- 8. SL 1-2/3 Index of Authorized Publications in Stock
- 9. TCPT V 1.0.11 User Manual Transportation Capacity Planning Tool (TCPT)
- 10. TM 4700-15/1\_ Ground Equipment Record Procedures

3537-OPER-2301: Manage a Motor transport licensing program

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

**INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>**: Given licensing authority, a requirement, references, forms, personnel and appropriate resources.

**STANDARD:** To ensure accuracy and compliance.

### PERFORMANCE STEPS:

- 1. Process applicants pre-qualification screening for licenses.
- 2. Validate operational records.
- 3. Conduct testing.
- 4. Submit official correspondence.
- 5. Manage the disposition of records.

- 1. LOCAL SOP Local SOPs
- 2. MCO 11240.118 Standard Licensing Procedures to Operate Military Motor Vehicle
- 3. TM 11240-15/3\_ Tactical Motor Transport Licensing Official's Manual
- 4. TM 4700-15/1\_ Ground Equipment Record Procedures

## MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** Only units/commands with authorized licensing codes can issue an OF 346. Licensing codes are listed in the MCO 11240.118\_ Appendix A.

3537-OPER-2302: Direct convoy operations

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

### **INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>**: Given an order, day or night, various environmental conditions, a requirement, references, personnel, and equipment.

**STANDARD:** To arrive safely at determined location with all required equipment and personnel.

#### PERFORMANCE STEPS:

- 1. Analyze the order.
- 2. Identify classifications for routes.
- 3. Identify defense requirements of a tactical convoy
- 4. Identify convoy communication requirements.
- 5. Organize the convoy in march order.
- 6. Inspect cargo loads.
- 7. Conduct a confirmation brief, as required.
- 8. Conduct a mission brief.
- 9. Perform rehearsals (PCC, PCI, and immediate action drills).
- 10. Direct the movement of the convoy using navigational devices.
- 11. Apply tactics, techniques, and procedures (TTP) to reduce, mitigate counter or neutralize IED threats, as required.
- 12. Direct limited vision driving operations (as required).
- 13. Employ Command, Control, Communications, Computer, and Intelligence (C4I) systems.
- 14. Direct the defense of a convoy.
- 15. Conduct a mission debrief.
- 16. Submit a post mission After Action Report (AAR).
- 17. Submit post mission After Action Report (AAR) to HHQ.

- 1. ATP 4-11 Army Motor Transport Operations
- 2. MCRP 3-40E.1 Recovery and Battle Damage Assessment and Repair (BDAR)
- 3. MCRP 3-40F.7 Multi-Service Tactics, Techniques, and Procedures for Tactical Convoy Operations (TCO)
- 4. MCRP 4-11.3F Convoy Operations Handbook
- 5. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
- 6. MSTP PAM 4-0.1 Movement Control
- 7. NAVSEA OP 5 Vol 1 Ammunition and Explosives/Ashore Safety Regulations of

Handling, Storage, Production, Renovation and Shipping

- NAVSEA OP 5 Vol 3 Ammunition and Explosives Safety Ashore for Contingencies, Combat Operations, Military Operations Other Than War, and Associated Training
- 9. NAVSEA SW020-AC-SAF-010 Transportation and Storage Data of Ammunition, Explosives, and Related Hazardous Materials
- 10. NAVSEA SW020-AF-HBK-010 Motor Vehicle Driver and Shipping Inspector's Handbook for Ammunition, Explosives and Related Hazardous Materials
- 11. TM 11240-OD Principal Technical Characteristics of U.S. Marine Corps Motor Transportation Equipment
- 12. USMC E2W2 ICD USMC Expeditionary Energy, Water, and Waste (E2W2) Initial Capabilities Document (ICD) (Sep 2011)
- 13. USMC EES&IP USMC Expeditionary Energy Strategy and Implementation Plan (Feb 2011)

## SUPPORT REQUIREMENTS:

## SIMULATION EVALUATION:

SIMULATED	SUITABILITY	SIMULATOR	UNIT OF MEASURE	HOURS	PM
Yes	L/S	ODS	Marine Hours	3	Ν

### MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** Simulator live optional. Simulations using Deployable Virtual Training.

3537-OPER-2303: Manage transportation support

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

**INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>**: Given a requirement, operation order, Automated Information Systems (AIS), personnel, and equipment, and references.

**STANDARD:** Ensuring transportation capabilities are provided to support the mission in accordance with the commander's guidance.

## PERFORMANCE STEPS:

- 1. Participate in movement planning.
- 2. Identify transportation requirements.
- 3. Determine transportation support requirements.
- 4. Verify organic/non-organic transportation capabilities.
- 5. Coordinate transportation support requirements.
- 6. Coordinate with movement control agencies.

- 7. Prepare equipment for movement through available modes of transportation.
- 8. Prepare movement orders (as required).

### **REFERENCES:**

- 1. DOD 4500.9-R Defense Transportation Regulation (DTR)
- 2. JP 3-02.1 Amphibious Embarkation and Debarkation
- 3. JP 3-02.2 Amphibious Embarkation
- 4. MCO P4030.19\_ Preparing Hazardous Materials for Military Air Shipments
- 5. MCRP 3-40F.7 Multi-Service Tactics, Techniques, and Procedures for Tactical Convoy Operations (TCO)
- 6. MCRP 4-11.3F Convoy Operations Handbook
- 7. MCTP 13-10D Maritime Prepositioning Force Operations
- 8. MCTP 13-10E Ship-to-Shore Movement
- 9. USMC E2W2 ICD USMC Expeditionary Energy, Water, and Waste (E2W2) Initial Capabilities Document (ICD) (Sep 2011)
- 10. USMC EES&IP USMC Expeditionary Energy Strategy and Implementation Plan (Feb 2011)

3537-OPER-2304: Manage movement control

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3537

**GRADES:** SSGT, GYSGT, MSGT, MGYSGT

## **INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Given references, a requirement, personnel and equipment for vehicle movements, and Automated Informational Systems.

**STANDARD:** To safely meet operational requirements with no injury to personnel or damage to equipment.

#### **PERFORMANCE STEPS:**

- 1. Determine movement control factors.
- 2. Determine functions of movement control.
- 3. Determine other considerations.
- 4. Conduct transportation planning.
- 5. Manage coordination, allocation, and routing.
- 6. Manage transportation In-Transit Visibility.
- 7. Coordinate with Movement Control Agencies.

- 1. MCRP 4-11.3F Convoy Operations Handbook
- 2. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
- 3. MSTP PAM 4-0.1 Movement Control
- 4. TM 11240-OD Principal Technical Characteristics of U.S. Marine Corps Motor Transportation Equipment

**3537-OPER-2305:** Direct vehicle recovery operations

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

**INITIAL TRAINING SETTING:** MOJT

CONDITION: Given a requirement, references, personnel, and equipment.

**STANDARD:** To recover disabled vehicles to a collection point or return to service without injury to personnel or damage to equipment.

## PERFORMANCE STEPS:

- 1. Analyze the requirement(s).
- 2. Determine required resources.
- 3. Coordinate recovery team and equipment.
- 4. Assign mission.
- 5. Monitor movement.
- 6. Conduct de-briefs (as required).
- 7. Submit After Action (AAR), as required.

### **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. AMTE-LI Applicable Motor Transport Equipment Lubrication Instruction (LI)
- 4. AMTE-LO Applicable Motor Transport Equipment Lubrication Order (LO)
- 5. AMTE-SL Applicable Motor Transport Equipment Stock Listing (SL)
- 6. FM 5-125 Rigging Techniques, Procedures and Applications
- 7. MCRP 3-40E.1 Recovery and Battle Damage Assessment and Repair (BDAR)
- 8. MCRP 3-40F.7 Multi-Service Tactics, Techniques, and Procedures for Tactical Convoy Operations (TCO)
- 9. MCRP 4-11.3F Convoy Operations Handbook
- 10. MCTP 3-40E Maintenance Operations
- 11. USMC E2W2 ICD USMC Expeditionary Energy, Water, and Waste (E2W2) Initial Capabilities Document (ICD) (Sep 2011)
- 12. USMC EES&IP USMC Expeditionary Energy Strategy and Implementation Plan (Feb 2011)

## 3537-OPER-2306: Direct fording operations

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

### **INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Provided with a mission, vehicle, a water obstacle, required tools and equipment, and references.

**STANDARD:** To safely meet operational requirements with no injury to personnel or damage to equipment.

#### **PERFORMANCE STEPS:**

- 1. Direct pre-fording operations checks.
- 2. Direct fording operations.
- 3. Direct post-fording operations.

#### **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. MCRP 3-40F.7 Multi-Service Tactics, Techniques, and Procedures for Tactical Convoy Operations (TCO)
- 4. MCRP 4-11.3F Convoy Operations Handbook
- 5. MCWP 3-17.1 Combined Arms Gap-Crossing Operations

3537-OPER-2307: Establish a tactical motor pool

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

**INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>**: Given a TO&E, a higher headquarters operations order, and access to an Automated Information Systems(AIS).

**STANDARD:** To enhance operational mission requirements through the management of equipment assets and operator/maintenance procedures.

## PERFORMANCE STEPS:

- 1. Apply tactics, techniques, and procedures (TTP) to reduce, mitigate or neutralize IED threats, and other enemy threats, as required.
- 2. Conduct site reconnaissance.
- 3. Establish security.
- 4. Designate facility layout.
- 5. Institute traffic circulation plan.
- 6. Develop emergency exits.
- 7. Establish hazardous material collection points, if applicable.
- 8. Identify requirements for a fire prevention plan.
- 9. Implement physical security plan.
- 10. Implement a defense plan.
- 11. Implement environmental considerations.

**REFERENCES:** 1. ATP 4-11 Army Motor Transport Operations 2. MCTP 3-40E Maintenance Operations

3537-OPER-2308: Direct camouflaging of motor transport equipment

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

**INITIAL TRAINING SETTING:** MOJT

CONDITION: Given a requirement, supplies, equipment, and personnel.

**STANDARD:** Ensuring cover/concealment of personnel and equipment to prevent enemy ground and air detection.

#### PERFORMANCE STEPS:

- 1. Validate camouflage requirements.
- 2. Determine factors of detection.
- 3. Determine camouflage principles.
- 4. Determine vehicles revealing factors.
- 5. Determine vehicle camouflage measures.
- 6. Direct the use of counter detection techniques.

## **REFERENCES:**

- 1. ATP 4-11 Army Motor Transport Operations
- 2. MCTP 3-34C Survivability Operations
- 3. TM 5-1080-200-13&P Operators' Organizational and Direct Support Manual for Lightweight Camouflage Screen Systems
- 4. TM 5-1080-250-12&P Ultralight Weight Camo Net System

3537-OPER-2309: Manage Preventive Maintenance Checks and Services (PMCS)

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

READINESS-CODED: NO

MOS PERFORMING: 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

**INITIAL TRAINING SETTING:** FORMAL

**<u>CONDITION</u>**: Provided with a requirement, references, motor transport equipment, personnel, materials, and an AIS.

**STANDARD:** To maintain unit readiness.

## PERFORMANCE STEPS:

- 1. Review annual training requirements.
- 2. Review annual/bi-ennial PMCS schedule.
- 3. Direct the conduct of operator/crew PMCS.
- 4. Perform AIS transactions (as required).
- 5. Supervise induction of equipment in accordance with the PMCS schedule.
- 6. Audit AIS reports (as required).
- 7. Direct the disposition of forms and records.

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. ALO/I Applicable Lubrication Order/Instruction
- 4. ATI Applicable Technical Instruction
- 5. ATP 4-11 Army Motor Transport Operations
- 6. FED LOG Federal Logistics Data https://www.dlis.dla.mil/fedlog/default.asp
- 7. MCO 4790.2\_ Field-Level Maintenance Management Policy (FLMMP)
- 8. MCO 4790.25\_ Ground Equipment Maintenance Program (GEMP)
- 9. SL 1-2/3 Index of Authorized Publications in Stock
- 10. TCPT V 1.0.11 User Manual Transportation Capacity Planning Tool (TCPT)
- 11. UM 4400.125 GCSS-MC User Manual

# MOTOR-T T&R MANUAL

# CHAPTER 12

# INCIDENTAL DRIVERS

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# MOTOR-T T&R MANUAL

## CHAPTER 12

## INCIDENTAL DRIVERS

**12000. PURPOSE.** This chapter includes all individual events for the incidental drivers. Each event is composed of an individual event title, condition, standard, performance steps, support requirements, and references. Accomplishment and proficiency level required is determined by the event standard.

## 12001. EVENT CODING

Events in this T&R Manual are depicted with an up to 12-character, 3-field alphanumeric system, i.e. XXXX-XXXX-XXXX. This chapter utilizes the following methodology:

a. Field one. This field represents the community. This chapter contains the following community code:

Code	Description	1
INCI	Incidental	Driver

b. Field two. This field represents the functional/duty area. This chapter contains the following functional/duty areas:

Code	Description
ADMN	Administration
OPER	Operator
MAIN	Maintenance

c. Field three. This field provides the level at which the event is accomplished and numerical sequencing of events. This chapter contains the following event level:

Code	Description
2000	Core Plus Skills

### 12002. INDEX OF 2000-LEVEL EVENTS

Event Code	E-	Event	Page
	Coded		
INCI-ADMN-2001	NO	Complete forms and records	12-3
INCI-MAIN-2001	NO	Conduct preventive maintenance checks and	12-4
		services	
INCI-OPER-2001	NO	Operate the automotive systems and	12-4
		components of a light/special purpose	
		tactical vehicle	
INCI-OPER-2002	NO	Operate a light/special purpose tactical	12-6
		vehicle during night operations	

INCI-OPER-2003	NO	Change tire on a light/ special purpose tactical vehicle	12-6
INCI-OPER-2004	NO	Operate a light/ special purpose tactical vehicle in urban jungle, and restricted areas	12-7
INCI-OPER-2005	NO	Operate a light/ special tactical vehicle off road over rough and uneven terrain (L/S)	12-8
INCI-OPER-2006	NO	Conduct recovery of disabled light/ special purpose tactical vehicle	12-9
INCI-OPER-2007	NO	Drive a light/ special purpose tactical vehicle over soft surfaces terrain and roads (L/S)	12-10
INCI-OPER-2008	NO	Operate a light/ special purpose tactical vehicle on varying grades and side slopes	12-12
INCI-OPER-2010	NO	Conduct emergency egress procedures in a light/ special purpose tactical vehicle	12-13
INCI-OPER-2011	NO	Operate a light/special purpose tactical vehicle in arctic {snow and ice} conditions	12-14
INCI-OPER-2012	NO	Operate a light/special purpose tactical vehicle while towing a light tactical trailer (S/L)	12-15
INCI-OPER-2013	NO	Operate a light/special purpose tactical vehicle in convoy (L/S)	12-16
INCI-OPER-2014	NO	Execute a load plan for a light/special purpose tactical vehicle	12-18
INCI-OPER-2015	NO	Camouflage a light/special purpose tactical vehicle	12-18
INCI-OPER-2016	NO	Perform winch operations with a light/special tactical vehicle	12-19
INCI-OPER-2017	NO	Drive a light/special purpose tactical vehicle utilizing vision enhancement devices	12-20
INCI-OPER-2018	NO	Conduct incidental driver recertifacation	12-21

#### 12003. 2000-LEVEL EVENTS

**INCI-ADMN-2001:** Complete forms and records

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 24 months

READINESS-CODED: NO

**<u>GRADES</u>**: PVT, PFC, LCPL, CPL, SGT, SSGT, GYSGT, MSGT, WO-1, CWO-2, CWO-3, 2NDLT, 1STLT, CAPT, MAJ

# **INITIAL TRAINING SETTING:** MOJT

**<u>CONDITION</u>:** Given a requirement, motor transport equipment and references.

STANDARD: Ensuring accuracy, historical data, and completeness.

# PERFORMANCE STEPS:

- 1. Complete NAVMC 10627.
- 2. Complete DD 518.
- 3. Complete SF 91.
- 4. Complete SF 94.
- 5. Complete SL-3 Inventory sheets.

### **REFERENCES:**

- 1. Applicable Technical Publications/Manuals
- 2. TM 4700-15/1\_ Ground Equipment Record Procedures

## MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** Forms and records consist of but are not limited to NAVMC 10627, SF 91, SF 94, DD 518.

INCI-MAIN-2001: Conduct preventive maintenance checks and services

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 24 months

READINESS-CODED: NO

**GRADES:** PVT, PFC, LCPL, CPL, SGT, SSGT, GYSGT, MSGT, WO-1, CWO-2, CWO-3, 2NDLT, 1STLT, CAPT, MAJ

### **INITIAL TRAINING SETTING:** MOJT

**<u>CONDITION</u>**: Given a requirement, motor transport equipment, forms, required tools and equipment, and references.

**STANDARD:** To maintain operational readiness and identify corrective maintenance actions.

## PERFORMANCE STEPS:

- 1. Determine applicable TM.
- 2. Gather resources.
- 3. Complete required PMCS based on listed interval.
- 4. Record defects in appropriate vehicle record.
- 5. Report defects to maintenance support activity.

#### **REFERENCES:**

- 1. Applicable Technical Publications/Manuals
- 2. TC 21-305-20 Manual for the Wheeled Vehicle Operator
- 3. TM 4700-15/1\_ Ground Equipment Record Procedures

**INCI-OPER-2001:** Operate the automotive systems and components of a light/special purpose tactical vehicle

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 24 months

READINESS-CODED: NO

**GRADES:** PVT, PFC, LCPL, CPL, SGT, SSGT, GYSGT, MSGT, WO-1, CWO-2, CWO-3, 2NDLT, 1STLT, CAPT, MAJ

### **INITIAL TRAINING SETTING:** MOJT

**<u>CONDITION</u>**: Given a requirement, day or night, tactical vehicle, various environmental conditions, forms, required tools and equipment, and references.

**<u>STANDARD</u>**: To safely meet operational requirements with no injury to personnel or damage to equipment.

## PERFORMANCE STEPS:

- 1. Prepare operational forms and records.
- 2. Perform before operations checks.
- 3. Operate light/special purpose vehicle.
- 4. Transport cargo/personnel.
- 5. Perform backing procedures.
- 6. Perform Brake Throttle Modulation (BTM) to regain traction, as required.
- 7. Perform during operations checks.
- 8. Observe ground guide as required.
- 9. Perform after operations checks.
- 10. Complete operational forms and records.

#### **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. ALO/I Applicable Lubrication Order/Instruction
- 3. FM 21-305 Manual for Wheeled Vehicle Driver
- 4. FM 31-70 Basic Cold Weather Manual
- 5. MCO 5100.19\_ Marine Corps Traffic Safety Program (Drive Safe)
- 6. MCRP 3-40F.7 Multi-Service Tactics, Techniques, and Procedures for Tactical Convoy Operations (TCO)
- 7. MCRP 4-11.3F Convoy Operations Handbook
- 8. MCTP 3-40F Transportation Operations
- 9. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
- 10. MCWP 3-35.1 Cold Weather Operations
- 11. MCWP 3-35.2 Mountain Operations
- 12. MCWP 3-35.5 Jungle Operations
- 13. MTMCTEA PAM 55-20 Tiedown Handbook for Truck Movement
- 14. TC 3-21.60 Visual Signals
- 15. TC 3-25.26 Map Reading and Land Navigation
- 16. TM 11240-15/3\_ Tactical Motor Transport Licensing Official's Manual
- 17. TM 11240-15/B Principal Technical Characteristics of U.S. Marine Corps Motor Transportation Equipment
- 18. TM 4700-15/1\_ Ground Equipment Record Procedures
- 19. USMC E2W2 ICD USMC Expeditionary Energy, Water, and Waste (E2W2) Initial Capabilities Document (ICD) (Sep 2011)
- 20. USMC EES&IP USMC Expeditionary Energy Strategy and Implementation Plan (Feb 2011)

### SUPPORT REQUIREMENTS:

#### SIMULATION EVALUATION:

SIMULATED	SUITABILITY	SIMULATOR	UNIT OF MEASURE	HOURS	PM
Yes	S/L	ODS	Marine Hours	3	Ν

Enclosure (1)

**INCI-OPER-2002:** Operate a light/special purpose tactical vehicle during night operations

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 24 months

READINESS-CODED: NO

**GRADES:** PVT, PFC, LCPL, CPL, SGT, SSGT, GYSGT, MSGT, WO-1, CWO-2, CWO-3, 2NDLT, 1STLT, CAPT, MAJ

### **INITIAL TRAINING SETTING:** MOJT

**<u>CONDITION</u>**: Given a requirement, limited visibility, motor transport equipment, personnel, and references.

**<u>STANDARD</u>**: To safely meet operational requirements with no injury to personnel or damage to equipment.

## PERFORMANCE STEPS:

- 1. Prepare operational forms and records.
- 2. Perform before operations checks.
- 3. Communicate using hand and arm signals.
- 4. Operate vehicle with headlights.
- 5. Operate vehicle utilizing black out drive mode.
- 6. Operate vehicle using Driver Vision Enhancement (DVE).
- 7. Perform during operations checks.
- 8. Observe ground guide as required.
- 9. Perform after operations checks.
- 10. Complete operational forms and records.

## **REFERENCES:**

- 1. MCRP 4-11.3F Convoy Operations Handbook
- 2. MCTP 3-40F Transportation Operations
- 3. MCWP 3-35.2 Mountain Operations
- 4. MCWP 3-35.5 Jungle Operations
- 5. TM 11240-15/3\_ Tactical Motor Transport Licensing Official's Manual
- 6. TM 11240-15/B Principal Technical Characteristics of U.S. Marine Corps Motor Transportation Equipment
- 7. TM 4700-15/1\_ Ground Equipment Record Procedures

### SUPPORT REQUIREMENTS:

### SIMULATION EVALUATION:

SIMULATED	SUITABILITY	SIMULATOR	UNIT OF MEASURE	HOURS	PM
Yes	S/L	ODS	Marine Hours	1	N

**INCI-OPER-2003:** Change tire on a light/ special purpose tactical vehicle

#### EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 24 months

#### READINESS-CODED: NO

**<u>GRADES</u>**: PVT, PFC, LCPL, CPL, SGT, SSGT, GYSGT, MSGT, WO-1, CWO-2, CWO-3, 2NDLT, 1STLT, CAPT, MAJ

## **INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Given a requirement, motor transport equipment, required tools and equipment, and references.

**<u>STANDARD</u>**: To safely meet operational requirements with no injury to personnel or damage to equipment.

## PERFORMANCE STEPS:

- 1. Identify safety procedures.
- 2. Apply emergency/ parking brake and chock block to non-deflated tire.
- 3. Identify tool requirements.
- 4. Loosen and remove CTIS cap and cover, as required.
- 5. Loosen lug nuts (inner ring).
- 6. Identify jack placement.
- 7. Raise vehicle high enough to remove tire.
- 8. Remove wheel assembly.
- 9. Install wheel assembly (pre-assembled).
- 10. Remove and stow jack and tools.
- 11. Take vehicle to maintenance to torque wheel nuts to specifications.

## **REFERENCES**:

- 1. Applicable Technical Manuals
- 2. FM 21-305 Manual for Wheeled Vehicle Driver
- 3. MCRP 4-11.3F Convoy Operations Handbook

**INCI-OPER-2004:** Operate a light/ special purpose tactical vehicle in urban jungle, and restricted areas

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 24 months

READINESS-CODED: NO

**BILLETS:** Incidental Driver

**GRADES:** PVT, PFC, LCPL, CPL, SGT, SSGT, GYSGT, MSGT, MGYSGT, WO-1, CWO-2, CWO-3, 2NDLT, 1STLT, CAPT, MAJ

## **INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Given a requirement, motor transport equipment, required tools and equipment, and references.

**<u>STANDARD</u>**: To safely meet operational requirements with no injury to personnel or damage to equipment.

### PERFORMANCE STEPS:

- 1. Prepare operational forms and records.
- 2. Communicate using hand and arm signals.
- 3. Perform before operations checks.
- 4. Operate tactical vehicle in various restricted areas.
- 5. Safely maneuver the vehicle.
- 6. Perform during operations checks.
- 7. Employ ground guide.
- 8. Perform after operations checks.
- 9. Complete operational forms and records.

## REFERENCES:

- 1. FM 21-305 Manual for Wheeled Vehicle Driver
- 2. FM 31-70 Basic Cold Weather Manual
- 3. MCO 5100.19\_ Marine Corps Traffic Safety Program (Drive Safe)
- 4. MCRP 3-40F.7 Multi-Service Tactics, Techniques, and Procedures for Tactical Convoy Operations (TCO)
- 5. MCRP 4-11.3F Convoy Operations Handbook
- 6. MCTP 3-40F Transportation Operations
- 7. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
- 8. MCWP 3-35.2 Mountain Operations
- 9. MCWP 3-35.5 Jungle Operations
- 10. MCWP 3-35.6 Desert Operations
- 11. TC 3-21.60 Visual Signals
- 12. TC 3-25.26 Map Reading and Land Navigation
- 13. TM 11240-15/3\_ Tactical Motor Transport Licensing Official's Manual
- 14. TM 11240-15/B Principal Technical Characteristics of U.S. Marine Corps Motor Transportation Equipment
- 15. TM 4700-15/1\_ Ground Equipment Record Procedures
- 16. USMC E2W2 ICD USMC Expeditionary Energy, Water, and Waste (E2W2) Initial Capabilities Document (ICD) (Sep 2011)
- 17. USMC EES&IP USMC Expeditionary Energy Strategy and Implementation Plan (Feb 2011)

## SUPPORT REQUIREMENTS:

#### SIMULATION EVALUATION:

SIMULATED	SUITABILITY	SIMULATOR	UNIT OF MEASURE	HOURS	PM
Yes	S/L	ODS	Marine Hours	3	Ν

**INCI-OPER-2005**: Operate a light/ special tactical vehicle off road over rough and uneven terrain (L/S)

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 24 months

### READINESS-CODED: NO

**GRADES:** PVT, PFC, LCPL, CPL, SGT, SSGT, GYSGT, MSGT, WO-1, CWO-2, CWO-3, 2NDLT, 1STLT, CAPT, MAJ

### **INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Given a requirement, references, motor transport equipment, required tools and equipment.

**<u>STANDARD</u>**: To safely meet operational requirements with no injury to personnel or damage to equipment.

## PERFORMANCE STEPS:

- 1. Prepare operational forms and records.
- 2. Communicate using hand and arms signals .
- 3. Perform before operations checks.
- 4. Transport cargo/personnel.
- 5. Perform Brake Throttle Modulation (BTM) to regain traction, as required
- 6. Perform during operations checks.
- 7. Employ ground guide, as required.
- 8. Perform after operations checks.
- 9. Complete operational forms and records.

## **REFERENCES:**

- 1. FM 21-305 Manual for Wheeled Vehicle Driver
- 2. FM 31-70 Basic Cold Weather Manual
- 3. MCO 5100.19\_ Marine Corps Traffic Safety Program (Drive Safe)
- 4. MCRP 3-40F.7 Multi-Service Tactics, Techniques, and Procedures for Tactical Convoy Operations (TCO)
- 5. MCRP 4-11.3F Convoy Operations Handbook
- 6. MCTP 3-40F Transportation Operations
- 7. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
- 8. MCWP 3-35.2 Mountain Operations
- 9. MCWP 3-35.5 Jungle Operations
- 10. MCWP 3-35.6 Desert Operations
- 11. TC 3-21.60 Visual Signals
- 12. TC 3-25.26 Map Reading and Land Navigation
- 13. TM 11240-15/3\_ Tactical Motor Transport Licensing Official's Manual
- 14. TM 11240-15/B Principal Technical Characteristics of U.S. Marine Corps Motor Transportation Equipment
- 15. TM 4700-15/1\_ Ground Equipment Record Procedures
- 16. USMC E2W2 ICD USMC Expeditionary Energy, Water, and Waste (E2W2) Initial Capabilities Document (ICD) (Sep 2011)
- 17. USMC EES&IP USMC Expeditionary Energy Strategy and Implementation Plan (Feb 2011)

### SUPPORT REQUIREMENTS:

### SIMULATION EVALUATION:

SIMULATED	SUITABILITY	SIMULATOR	UNIT OF MEASURE	HOURS	PM
Partial	L/S	ODS	Marine Hours	3	Y

**INCI-OPER-2006:** Conduct recovery of disabled light/ special purpose tactical vehicle

## EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 24 months

#### READINESS-CODED: NO

**GRADES:** PVT, PFC, LCPL, CPL, SGT, SSGT, GYSGT, MSGT, WO-1, CWO-2, CWO-3, 2NDLT, 1STLT, CAPT, MAJ

### **INITIAL TRAINING SETTING:** MOJT

**<u>CONDITION</u>**: Given a requirement, disabled vehicle, required tools and equipment, and references.

**STANDARD:** To safely meet operational requirements and retrieve a downed vehicle with no injury to personnel or damage to equipment.

### PERFORMANCE STEPS:

- 1. Safely exit disabled vehicle.
- 2. Recon the area.
- 3. Estimate the situation.
- 4. Employ a tow bar.
- 5. Employ recovery strap.
- 6. Employ a winch.
- 7. Confirm ready to recover.
- 8. Safely recover the disabled vehicle.

- 1. FM 21-305 Manual for Wheeled Vehicle Driver
- 2. FM 31-70 Basic Cold Weather Manual
- 3. MCO 5100.19\_ Marine Corps Traffic Safety Program (Drive Safe)
- 4. MCRP 4-11.3F Convoy Operations Handbook
- 5. MCTP 3-40F Transportation Operations
- 6. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
- 7. MCWP 3-35.2 Mountain Operations
- 8. MCWP 3-35.5 Jungle Operations
- 9. MCWP 3-35.6 Desert Operations
- 10. TC 3-21.60 Visual Signals
- 11. TC 3-25.26 Map Reading and Land Navigation
- 12. TM 11240-15/3\_ Tactical Motor Transport Licensing Official's Manual
- 13. TM 11240-15/B Principal Technical Characteristics of U.S. Marine Corps Motor Transportation Equipment
- 14. TM 4700-15/1\_ Ground Equipment Record Procedures
- 15. USMC E2W2 ICD USMC Expeditionary Energy, Water, and Waste (E2W2) Initial Capabilities Document (ICD) (Sep 2011)
- 16. USMC EES&IP USMC Expeditionary Energy Strategy and Implementation Plan (Feb 2011)

**INCI-OPER-2007:** Drive a light/ special purpose tactical vehicle over soft surfaces terrain and roads (L/S)

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 24 months

READINESS-CODED: NO

**GRADES:** PVT, PFC, LCPL, CPL, SGT, SSGT, GYSGT, MSGT, WO-1, CWO-2, CWO-3, 2NDLT, 1STLT, CAPT, MAJ

### **INITIAL TRAINING SETTING:** MOJT

**<u>CONDITION</u>**: Given a requirement, motor transport equipment, required tools and equipment, and references.

**<u>STANDARD</u>**: To safely meet operational requirements with no injury to personnel or damage to equipment.

## PERFORMANCE STEPS:

- 1. Prepare operational forms and records.
- 2. Communicate with hand and arm signals.
- 3. Perform before operations checks.
- 4. Operate vehicle.
- 5. Employ tire chains as required.
- 6. Adjust tire pressure as required.
- 7. Engage transfer case/transmission selector level depending on surface, as required.
- 8. Engage proper CTIS settings, as required.
- 9. Transport cargo/personnel.
- 10. Perform Brake Throttle Modulation (BTM) to regain traction, as required.
- 11. Perform during operations checks.
- 12. Employ ground guide, as required.
- 13. Perform after operations checks.
- 14. Complete operational forms and records.

- 1. FM 21-305 Manual for Wheeled Vehicle Driver
- 2. FM 31-70 Basic Cold Weather Manual
- 3. MCO 5100.19\_ Marine Corps Traffic Safety Program (Drive Safe)
- 4. MCRP 3-40F.7 Multi-Service Tactics, Techniques, and Procedures for Tactical Convoy Operations (TCO)
- 5. MCRP 4-11.3F Convoy Operations Handbook
- 6. MCTP 3-40F Transportation Operations
- 7. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
- 8. MCWP 3-35.2 Mountain Operations
- 9. MCWP 3-35.5 Jungle Operations
- 10. MCWP 3-35.6 Desert Operations
- 11. TC 3-21.60 Visual Signals
- 12. TC 3-25.26 Map Reading and Land Navigation
- 13. TM 11240-15/3\_ Tactical Motor Transport Licensing Official's Manual
- 14. TM 11240-15/B Principal Technical Characteristics of U.S. Marine Corps Motor Transportation Equipment
- 15. TM 4700-15/1\_ Ground Equipment Record Procedures
- 16. USMC E2W2 ICD USMC Expeditionary Energy, Water, and Waste (E2W2) Initial Capabilities Document (ICD) (Sep 2011)
- 17. USMC EES&IP USMC Expeditionary Energy Strategy and Implementation Plan (Feb 2011)

## SUPPORT REQUIREMENTS:

## SIMULATION EVALUATION:

SIMULATED	SUITABILITY	SIMULATOR	UNIT OF MEASURE	HOURS	PM
Partial	L/S	ODS	Marine Hours	4	Y

#### MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** Soft surfaces include but are not limited to sand, snow, and mud.

**INCI-OPER-2008:** Operate a light/ special purpose tactical vehicle on varying grades and side slopes

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 24 months

READINESS-CODED: NO

**GRADES:** PVT, PFC, LCPL, CPL, SGT, SSGT, GYSGT, MSGT, WO-1, CWO-2, CWO-3, 2NDLT, 1STLT, CAPT, MAJ

### **INITIAL TRAINING SETTING:** MOJT

**<u>CONDITION</u>**: Given a requirement, motor transport equipment, required tools and equipment, and references.

**STANDARD:** To safely meet operational requirements with no injury to personnel or damage to equipment.

### PERFORMANCE STEPS:

- 1. Prepare forms and records.
- 2. Communicate using hand and arm signals.
- 3. Perform before operations checks.
- 4. Operate vehicle on various degrees.
- 5. Engage proper CTIS settings, as required.
- 6. Perform Brake Throttle Modulation (BTM) to regain traction, as required.
- 7. Perform during operations checks.
- 8. Employ ground guide, as required.
- 9. Perform after operations checks.
- 10. Complete operational forms and records.

- 1. FM 21-305 Manual for Wheeled Vehicle Driver
- 2. FM 31-70 Basic Cold Weather Manual
- 3. MCO 5100.19\_ Marine Corps Traffic Safety Program (Drive Safe)
- 4. MCRP 3-40F.7 Multi-Service Tactics, Techniques, and Procedures for Tactical Convoy Operations (TCO)
- 5. MCRP 4-11.3F Convoy Operations Handbook
- 6. MCTP 3-40F Transportation Operations
- 7. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
- 8. MCWP 3-35.2 Mountain Operations
- 9. MCWP 3-35.5 Jungle Operations
- 10. MCWP 3-35.6 Desert Operations
- 11. TC 3-21.60 Visual Signals
- 12. TC 3-25.26 Map Reading and Land Navigation
- 13. TM 11240-15/3\_ Tactical Motor Transport Licensing Official's Manual
- 14. TM 11240-15/B Principal Technical Characteristics of U.S. Marine Corps Motor Transportation Equipment
- 15. TM 4700-15/1\_ Ground Equipment Record Procedures
- 16. USMC E2W2 ICD USMC Expeditionary Energy, Water, and Waste (E2W2) Initial Capabilities Document (ICD) (Sep 2011)
- 17. USMC EES&IP USMC Expeditionary Energy Strategy and Implementation Plan (Feb 2011)

# SUPPORT REQUIREMENTS:

### SIMULATION EVALUATION:

SIMULATED	SUITABILITY	SIMULATOR	UNIT OF MEASURE	HOURS	PM
Yes	S	ODS	Marine Hours	2	Ν

**INCI-OPER-2010:** Conduct emergency egress procedures in a light/ special purpose tactical vehicle

### EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 24 months

### READINESS-CODED: NO

**GRADES:** PVT, PFC, LCPL, CPL, SGT, SSGT, GYSGT, MSGT, WO-1, CWO-2, CWO-3, 2NDLT, 1STLT, CAPT, MAJ

#### **INITIAL TRAINING SETTING:** MOJT

**<u>CONDITION</u>**: Given a requirement, motor transport equipment, required tools and equipment, and references.

**<u>STANDARD</u>**: To safely meet operational requirements with no injury to personnel or damage to equipment.

# PERFORMANCE STEPS:

- 1. Operate tactical vehicle.
- 2. Perform roll-over incident procedures.
- 3. Assess crew members and stay calm.
- 4. Orientate yourself and find an exit point.
- 5. Assist/direct remaining crew members to exit point.
- 6. Relay incident to higher for aid.

# **REFERENCES:**

- 1. FM 21-305 Manual for Wheeled Vehicle Driver
- 2. FM 31-70 Basic Cold Weather Manual
- 3. MCO 5100.19\_ Marine Corps Traffic Safety Program (Drive Safe)
- 4. MCRP 3-40B.6 Multi-Service Tactics, Techniques, and Procedures for

- 5. MCRP 4-11.3F Convoy Operations Handbook
- 6. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
- 7. MCWP 3-35.2 Mountain Operations
- 8. MCWP 3-35.6 Desert Operations
- 9. TC 3-21.60 Visual Signals
- 10. TC 3-25.26 Map Reading and Land Navigation
- 11. TM 11240-15/3 Tactical Motor Transport Licensing Official's Manual
- 12. TM 11240-15/B Principal Technical Characteristics of U.S. Marine Corps Motor Transportation Equipment
- 13. TM 4700-15-1/H Marine Corps Equipment Forms and Records
- 14. USMC E2W2 ICD USMC Expeditionary Energy, Water, and Waste (E2W2) Initial Capabilities Document (ICD) (Sep 2011)
- 15. USMC EES&IP USMC Expeditionary Energy Strategy and Implementation Plan (Feb 2011)

# MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** This event will be trained utilizing EGRESS trainers at each base/installation.

**INCI-OPER-2011:** Operate a light/special purpose tactical vehicle in arctic {snow and ice} conditions

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 24 months

READINESS-CODED: NO

**GRADES:** PVT, PFC, LCPL, CPL, SGT, SSGT, GYSGT, MSGT, WO-1, CWO-2, CWO-3, 2NDLT, 1STLT, CAPT, MAJ

### **INITIAL TRAINING SETTING:** MOJT

**<u>CONDITION</u>**: Given a requirement, motor transport equipment, required tools and equipment, and references.

**<u>STANDARD</u>**: To safely meet operational requirements with no injury to personnel or damage to equipment.

#### **PERFORMANCE STEPS:**

- 1. Prepare operational forms and records.
- 2. Communicate using hand and arm signals.
- 3. Perform before operations checks.
- 4. Employ tire chains, as required.
- 5. Operate vehicle in snow, ice conditions.
- 6. Transport cargo/personnel, as required.
- 7. Perform Brake Throttle Modulation (BTM) to regain traction, as required.
- 8. Perform during operations checks.
- 9. Employ ground guide, as required.
- 10. Remove tire chains, as required.
- 11. Perform after operations checks.
- 12. Complete operational forms and records.

### **REFERENCES:**

- 1. FM 21-305 Manual for Wheeled Vehicle Driver
- 2. MCO 5100.19\_ Marine Corps Traffic Safety Program (Drive Safe)
- 3. MCRP 3-40F.7 Multi-Service Tactics, Techniques, and Procedures for Tactical Convoy Operations (TCO)
- 4. MCTP 3-40F Transportation Operations
- 5. MCWP 3-35.2 Mountain Operations
- 6. MCWP 3-35.5 Jungle Operations
- 7. MCWP 3-35.6 Desert Operations
- 8. TC 3-21.60 Visual Signals
- 9. TM 11240-15/3\_ Tactical Motor Transport Licensing Official's Manual
- 10. TM 11240-15/B Principal Technical Characteristics of U.S. Marine Corps Motor Transportation Equipment
- 11. TM 4700-15/1\_ Ground Equipment Record Procedures
- 12. USMC E2W2 ICD USMC Expeditionary Energy, Water, and Waste (E2W2) Initial Capabilities Document (ICD) (Sep 2011)
- 13. USMC EES&IP USMC Expeditionary Energy Strategy and Implementation Plan
  (Feb 2011)

### SUPPORT REQUIREMENTS:

# SIMULATION EVALUATION:

SIMULATED	SUITABILITY	SIMULATOR	UNIT OF MEASURE	HOURS	PM
Yes	S	Tactical Wheeled Vehicle Simulator	Marine Hours	2	N

#### MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** Review OCONUS driving regulations before applying snow tire chains.

**INCI-OPER-2012:** Operate a light/special purpose tactical vehicle while towing a light tactical trailer (S/L)

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 24 months

#### READINESS-CODED: NO

**GRADES:** PVT, PFC, LCPL, CPL, SGT, SSGT, GYSGT, MSGT, WO-1, CWO-2, CWO-3, 2NDLT, 1STLT, CAPT, MAJ

# **INITIAL TRAINING SETTING:** MOJT

**<u>CONDITION</u>**: Given a requirement, motor transport equipment, required tools and equipment, and references.

**<u>STANDARD</u>**: To safely meet operational requirements with no injury to personnel or damage to equipment.

#### PERFORMANCE STEPS:

- 1. Identify correct trailer variant to equipment.
- 2. Communicate using hand and arm signals.
- 3. Prepare operational forms and records.
- 4. Perform before operations checks.
- 5. Connect trailer to vehicle.
- 6. Hook up all air lines as required.
- 7. Hood up light wiring harness.
- 8. Stow landing leg.
- 9. Perform backing procedures, as required.
- 10. Perform during operations checks.
- 11. Employ ground guide, as required.
- 12. Disconnect all air lines as required.
- 13. Disconnect light wiring harness.
- 14. Utilize landing leg.
- 15. Perform after operations checks.
- 16. Complete operational forms and records.

## **REFERENCES:**

- 1. FM 21-305 Manual for Wheeled Vehicle Driver
- 2. MCRP 3-40F.7 Multi-Service Tactics, Techniques, and Procedures for Tactical Convoy Operations (TCO)
- 3. MCTP 3-40F Transportation Operations
- 4. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
- 5. MCWP 3-35.6 Desert Operations
- 6. TC 3-21.60 Visual Signals
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- 10. TM 4700-15/1\_ Ground Equipment Record Procedures
- 11. USMC E2W2 ICD USMC Expeditionary Energy, Water, and Waste (E2W2) Initial Capabilities Document (ICD) (Sep 2011)
- 12. USMC EES&IP USMC Expeditionary Energy Strategy and Implementation Plan (Feb 2011)

# SUPPORT REQUIREMENTS:

### SIMULATION EVALUATION:

SIMULATED	SUITABILITY	SIMULATOR	UNIT OF MEASURE	HOURS	PM
Partial	S/L	ODS	Marine Hours	4	Y

**INCI-OPER-2013:** Operate a light/special purpose tactical vehicle in convoy (L/S)

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 24 months

### READINESS-CODED: NO

**GRADES:** PVT, PFC, LCPL, CPL, SGT, SSGT, GYSGT, MSGT, WO-1, CWO-2, CWO-3, 2NDLT, 1STLT, CAPT, MAJ

## **INITIAL TRAINING SETTING:** MOJT

**<u>CONDITION</u>**: Given a requirement, references, motor transport equipment, required tools and equipment.

**STANDARD:** To safely meet operational requirements with no injury to personnel or damage to equipment.

### PERFORMANCE STEPS:

- 1. Prepare operational forms and records.
- 2. Communicate using hand and arm signals.
- 3. Perform before operations checks.
- 4. Receive convoy brief/order.
- 5. Stage vehicle in convoy order.
- 6. Conduct immediate action while driving a light/special purpose tactical vehicle as required.
- 7. Apply tactics, techniques, and procedures (TTP) to reduce, mitigate or neutralize IED threats, as required.
- 8. Perform rehearsals (PCC, PCI, and immediate action drills).
- 9. Transport cargo/personnel, as required.
- 10. Adhere to driving regulations per convoy commander's brief.
- 11. Perform emergency procedures, as required.
- 12. Perform during operation checks.
- 13. Call in predetermined check points, as required.
- 14. Encounter/overcome road obstacle, as required.
- 15. Perform after operations checks.
- 16. Complete operational forms and records.

### **REFERENCES:**

- 1. FM 21-305 Manual for Wheeled Vehicle Driver
- 2. FM 31-70 Basic Cold Weather Manual
- 3. MCRP 4-11.3F Convoy Operations Handbook
- 4. MCTP 3-40F Transportation Operations
- 5. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
- 6. MCWP 3-35.5 Jungle Operations
- 7. MCWP 3-35.6 Desert Operations
- 8. TC 3-21.60 Visual Signals
- 9. TC 3-25.26 Map Reading and Land Navigation
- 10. TM 11240-15/3\_ Tactical Motor Transport Licensing Official's Manual
- 11. TM 11240-15/B Principal Technical Characteristics of U.S. Marine Corps Motor Transportation Equipment
- 12. TM 4700-15/1\_ Ground Equipment Record Procedures
- 13. USMC E2W2 ICD USMC Expeditionary Energy, Water, and Waste (E2W2) Initial Capabilities Document (ICD) (Sep 2011)
- 14. USMC EES&IP USMC Expeditionary Energy Strategy and Implementation Plan (Feb 2011)

## SUPPORT REQUIREMENTS:

### SIMULATION EVALUATION:

SIMULATED	SUITABILITY	SIMULATOR	UNIT OF MEASURE	HOURS	PM
Partial	L/S	DVTE	Marine Hours	2	Y

**INCI-OPER-2014:** Execute a load plan for a light/special purpose tactical vehicle

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 24 months

#### READINESS-CODED: NO

**GRADES:** PVT, PFC, LCPL, CPL, SGT, SSGT, GYSGT, MSGT, WO-1, CWO-2, CWO-3, 2NDLT, 1STLT, CAPT, MAJ

### **INITIAL TRAINING SETTING:** MOJT

**<u>CONDITION</u>**: Given a requirement, motor transport equipment, required tools and equipment, and references.

**STANDARD:** To safely meet operational requirements with no injury to personnel or damage to equipment.

### PERFORMANCE STEPS:

- 1. Determine load capacity.
- 2. Load cargo, as required.
- 3. Secure the load.
- 4. Inspect load.

#### **REFERENCES:**

- 1. AIETM Applicable Interactive Electronic Technical Manual
- 2. ALO/I Applicable Lubrication Order/Instruction
- 3. FM 21-305 Manual for Wheeled Vehicle Driver
- 4. FM 31-70 Basic Cold Weather Manual
- 5. FM 31-70 Basic Cold Weather Operations
- 6. MCO 5100.19\_ Marine Corps Traffic Safety Program (Drive Safe)
- 7. MCRP 4-11.3F Convoy Operations Handbook
- 8. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
- 9. MCWP 3-35.2 Mountain Operations
- 10. TM 11240-15/3\_ Tactical Motor Transport Licensing Official's Manual
- 11. TM 11240-15/B Principal Technical Characteristics of U.S. Marine Corps Motor Transportation Equipment
- 12. TM 4700-15/1 Ground Equipment Record Procedures
- 13. USMC E2W2 ICD USMC Expeditionary Energy, Water, and Waste (E2W2) Initial Capabilities Document (ICD) (Sep 2011)
- 14. USMC EES&IP USMC Expeditionary Energy Strategy and Implementation Plan (Feb 2011)

# **INCI-OPER-2015:** Camouflage a light/special purpose tactical vehicle

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 24 months

READINESS-CODED: NO

BILLETS: Incidental Driver

**GRADES:** PVT, PFC, LCPL, CPL, SGT, SSGT, GYSGT, MSGT, WO-1, CWO-2, CWO-3, 2NDLT, 1STLT, CAPT, MAJ

#### **INITIAL TRAINING SETTING:** MOJT

**<u>CONDITION</u>**: Given a requirement, manufactured and natural materials, motor transport equipment, and references.

**STANDARD:** Ensuring cover/concealment of personnel and equipment to prevent enemy ground and air detection.

# PERFORMANCE STEPS:

- 1. Identify camouflage requirements.
- 2. Establish vehicle dispersion.
- 3. Camouflage equipment using the manufactured materials.
- 4. Camouflage equipment using natural materials, as required.

### **REFERENCES:**

- 1. FM 21-305 Manual for Wheeled Vehicle Driver
- 2. MCO 5100.19 Marine Corps Traffic Safety Program (Drive Safe)
- 3. MCRP 4-11.3F Convoy Operations Handbook
- 4. MTMCTEA PAM 55-20 Tiedown Handbook for Truck Movement
- 5. TM 11240-15/3\_ Tactical Motor Transport Licensing Official's Manual
- 6. TM 11240-15/B Principal Technical Characteristics of U.S. Marine Corps Motor Transportation Equipment
- 7. TM 4700-15/1\_ Ground Equipment Record Procedures
- 8. USMC E2W2 ICD USMC Expeditionary Energy, Water, and Waste (E2W2) Initial Capabilities Document (ICD) (Sep 2011)
- 9. USMC EES&IP USMC Expeditionary Energy Strategy and Implementation Plan (Feb 2011)

**INCI-OPER-2016**: Perform winch operations with a light/special tactical vehicle

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 24 months

#### READINESS-CODED: NO

**GRADES:** PVT, PFC, LCPL, CPL, SGT, SSGT, GYSGT, MSGT, WO-1, CWO-2, CWO-3, 2NDLT, 1STLT, CAPT, MAJ

### **INITIAL TRAINING SETTING:** MOJT

**<u>CONDITION</u>**: Given a requirement, various environmental conditions, motor transport equipment, forms, required tools and equipment, and references.

**STANDARD:** To safely meet operational requirements with no injury to personnel or damage to equipment.

### PERFORMANCE STEPS:

- 1. Prepare operational forms and records.
- 2. Perform before operations checks.
- 3. Operate vehicle.
- 4. Perform during operations checks.

- 5. Observe ground guide, as required.
- 6. Perform after operations checks.
- 7. Complete operational forms and records.

#### **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. ALO/I Applicable Lubrication Order/Instruction
- 3. FM 21-305 Manual for Wheeled Vehicle Driver
- 4. FM 31-70 Basic Cold Weather Manual
- 5. MCRP 3-40F.7 Multi-Service Tactics, Techniques, and Procedures for Tactical Convoy Operations (TCO)
- 6. MCRP 4-11.3F Convoy Operations Handbook
- 7. MCTP 3-40F Transportation Operations
- 8. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
- 9. MCWP 3-35.2 Mountain Operations
- 10. MCWP 3-35.5 Jungle Operations
- 11. MCWP 3-35.6 Desert Operations
- 12. MTMCTEA PAM 55-20 Tiedown Handbook for Truck Movement
- 13. TB 9-639 Passenger-Carrying Capacity of Tactical and Administrative Vehicles Commonly Used to Transport Personnel
- 14. TC 3-21.60 Visual Signals
- 15. TC 3-25.26 Map Reading and Land Navigation
- 16. TM 11240-15/3\_ Tactical Motor Transport Licensing Official's Manual
- 17. TM 11240-15/B Principal Technical Characteristics of U.S. Marine Corps Motor Transportation Equipment
- 18. TM 4700-15/1\_ Ground Equipment Record Procedures

**INCI-OPER-2017**: Drive a light/special purpose tactical vehicle utilizing vision enhancement devices

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 24 months

READINESS-CODED: NO

**GRADES:** PVT, PFC, LCPL, CPL, SGT, SSGT, GYSGT, MSGT, WO-1, CWO-2, CWO-3, 2NDLT, 1STLT, MAJ

### **INITIAL TRAINING SETTING:** MOJT

**<u>CONDITION</u>**: Given a requirement, various environmental conditions, motor transport equipment, required tools and equipment, and references.

**STANDARD:** To safely meet operational requirements with no injury to personnel or damage equipment.

### PERFORMANCE STEPS:

- 1. Prepare operational forms and records.
- 2. Perform before operations checks.
- 3. operate vehicle.
- 4. Transport cargo/personnel, as required.
- 5. Perform Brake Throttle Module (BTM) to regain traction.
- 6. Perform during operations checks.
- 7. Observe ground guide, as required.
- 8. Perform after operations checks.

9. Complete operational forms and records.

#### **REFERENCES:**

- 1. AETM Applicable Equipment Technical Manuals
- 2. FM 21-305 Manual for Wheeled Vehicle Driver
- 3. MCRP 3-40.6B Tactical Psychological Operations Tactical, Techniques, and Procedures
- 4. MCTP 3-40C Operational-Level Logistics
- 5. MCWP 3-17.1a Combined Arms, Gap Crossing Operations
- 6. MCWP 3-35.2 Mountain Operations
- 7. MCWP 3-35.6 Desert Operations
- 8. TC 3-21.60 Visual Signals
- 9. TC 90-6 Mountain Operations
- 10. TM 11240-15/3\_ Tactical Motor Transport Licensing Official's Manual
- 11. TM 11240-15/B Principal Technical Characteristics of U.S. Marine Corps Motor Transportation Equipment
- 12. TM 4700-15/1\_ Ground Equipment Record Procedures

INCI-OPER-2018: Conduct incidental driver recertifacation

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

#### READINESS-CODED: NO

**GRADES:** PVT, PFC, LCPL, CPL, SGT, SSGT, GYSGT, 1STSGT, MSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5, 2NDLT, 1STLT, CAPT, MAJ

### **INITIAL TRAINING SETTING:** MOJT

**<u>CONDITION</u>**: Given a requirement, various environmental conditions, motor transport equipment, forms, required tools and equipment.

**STANDARD:** To safely meet operational requirements with no injury to personnel or damage to equipment.

#### **PERFORMANCE STEPS:**

- 1. Complete all sustainment training.
- 2. Successfully complete skills/road test.

#### **REFERENCES:**

- 1. FM 21-305 Manual for Wheeled Vehicle Driver
- 2. FM 21-60 Visual Signs
- 3. NAVMC 3500.39 Motor Transport Training and Readiness Manual
- 4. TM 11240-15/3 Tactical Motor Transport Licensing Official's Manual
- 5. TM 11240-15/B Principal Technical Characteristics of U.S. Marine Corps Motor Transportation Equipment
- 6. TM 4700-15/1\_ Ground Equipment Record Procedures

## SUPPORT REQUIREMENTS:

## SIMULATION EVALUATION:

SIMULATED	SUITABILITY	SIMULATOR	UNIT OF MEASURE	HOURS	PM

Yes	L/S	Tactical	Marine Hours	3	Ν
		Wheeled			
		Vehicle			
		Simulator			

# MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** Event performed live preferred/simulator

# MOTOR-T T&R MANUAL

# CHAPTER 13

# COMMON TO ALL

	PARAGRAPH	PAGE
PURPOSE	. 13000	13-2
EVENT CODING	. 13001	13-2
INDEX OF 35XX COLLECTIVE EVENTS	. 13002	13-2
COLLECTIVE COMMON TO ALL EVENTS	. 13003	13-3
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MOTOR-T T&R MANUAL

## CHAPTER 13

COMMON TO ALL

**13000. PURPOSE.** This chapter includes all individual events for the Motor Transport Community. Each event is composed of an individual event title, condition, standard, performance steps, support requirements, and references. Accomplishment and proficiency level required is determined by the event standard.

# 13001. EVENT CODING

Events in this T&R Manual are depicted with an up to 12-character, 3-field alphanumeric system, i.e. XXXX-XXXX. This chapter utilizes the following methodology:

a. Field one. This field represents the community. This chapter contains the following community code:

Code	Description
3510	Motor Transport Maintenance Officer
3521	Motor Transport Organizational
	Mechanic
3529	Motor Transport Maintenance Chief
3531	Motor Transport Operator
3537	Motor Transport Operations Chief

b. Field two. This field represents the functional/duty area. This chapter contains the following functional/duty areas:

Code	Description
TRNG	Training
COMM	Communication
WPNS	Weapons
CIED	Counter Improvised Explosive
	Devices

c. Field three. This field provides the level at which the event is accomplished and numerical sequencing of events. This chapter contains the following event level:

CodeDescription2000Core Plus Skills

# 13002. INDEX OF 35XX COLLECTIVE EVENTS

Event Code	E-	Event	Page
	Coded		
35XX-WPNS-3001	NO	Employ crew-serve weapons in the defense of a tactical motor pool	13-3
35XX-WPNS-3002	NO	Employ crew-serve weapons in the defense	13-4

		of a convoy	
35XX-WPNS-3003	NO	Conduct the Vehicle-Mounted Course of	13-6
		Fire (Gunnery Table V)	

#### 13003. COLLECTIVE COMMON TO ALL EVENTS

**35XX-WPNS-3001:** Employ crew-serve weapons in the defense of a tactical motor pool

### SUPPORTED MET(S):

MCT 4.2 MCT 4.3

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 18 months

#### READINESS-CODED: NO

**<u>CONDITION</u>**: Given a mission, references, tactical motor pool, personnel, and equipment.

**STANDARD:** To repel an enemy attack against a fixed location.

### EVENT COMPONENTS:

- 1. Conduct intelligence preparation of the operating environment (IPOE) to gain information on routes of ingress/egress, enemy situation, etc.
- 2. Construct a machinegun fighting position.
- 3. Prepare a machinegun range card.
- 4. Perform operator maintenance for an M2A1 heavy machinegun and associated components.
- 5. Mount an M2A1 heavy machinegun on an M3 tripod.
- 6. Operate an M2A1 heavy machinegun.
- 7. Perform immediate action for an M2A1 heavy machinegun.
- 8. Perform remedial action for an M2A1 heavy machinegun.
- 9. Field zero an M2A1 heavy machinegun.
- 10. Perform operator maintenance on an MK-19 heavy machinegun and associated components.
- 11. Mount an MK-19 heavy machinegun on an M3 tripod.
- 12. Operate a MK-19 heavy machinegun.
- 13. Perform immediate action for a MK-19 heavy machinegun.
- 14. Perform remedial action for a MK-19 heavy machinegun.
- 15. Field zero a MK-19 heavy machinegun.
- 16. Register a Range Card for an MK-19.
- 17. Perform operator maintenance for an M240B medium machinegun and associated components.
- 18. Operate an M240B medium machinegun.
- 19. Perform immediate action on an M240B medium machinegun.
- 20. Perform remedial action on an M240B medium machinegun.
- 21. Zero a Machinegun Day Optic (MDO) to an M240B medium machinegun.

#### **REFERENCES:**

- 1. ATP 4-11 Army Motor Transport Operations
- 2. ES&IP Energy Strategy and Implementation Plan (FEB 2011)
- 3. FM 3-22.65 Browning Machine Gun, Caliber .50 HB, M2
- 4. FM 3-22.68 Crew-Served Machine Guns
- 5. MCTP 3-01C Machine Guns and Machine Gun Gunnery
- 6. MCTP 3-34A Combined Arms Mobility

- 7. MCWP 4-11 Tactical-Level Logistics
- 8. MCWP 4-11.3 Transportation Operations
- 9. MCWP 5-10 Marine Corps Planning Process
- 10. NAVSEA OP 5 Vol 1 Ammunition and Explosives/Ashore Safety Regulations of Handling, Storage, Production, Renovation and Shipping
- 11. NAVSEA OP 5 Vol 2 Ammunition & Explosives Ashore Safety Regulation
- 12. NAVSEA OP 5 Vol 3 Ammunition and Explosives Safety Ashore for Contingencies, Combat Operations, Military Operations Other Than War, and Associated Training
- 13. NAVSEA SWO20-AF-ABK-010 Motor Vehicle Driver and Shipping Inspector's Manual for Ammunition, Explosives and Related Hazardous Materials
- 14. TM 08670A/09712A-10/1B Operator's Manual for Machine Gun, 7.62mm, M240
- 15. TM 1005-OR Technical Manual, Machinegun Mounts
- 16. TM 11491A-OI Organizational and Intermediate Maintenance Manual w/ Repair Parts List (RPL), M35 Medium Machine Gun Vehicle Mount
- 17. TM 11792A-OI Machine Gun Day Optic, SU-260/P
- 18. TM 12017A-OI Heavy Machinegun Sight System

# SUPPORT REQUIREMENTS:

# SIMULATION EVALUATION:

SIMULATED	SUITABILITY	SIMULATOR	UNIT OF MEASURE	HOURS	ΡM
Yes	S/L	ISMT	Marine Hours	3	N

#### MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** Commander/Units should contact local Training Support Centers (TSC) to request crew-serve weapons at their respective home stations in order to meet METL based CIED requirements (sustainment and/or pre-deployment training).

35xx-WPNS-3002: Employ crew-serve weapons in the defense of a convoy

#### SUPPORTED MET(S):

MCT 4.3 MCT 4.3.3

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 18 months

### READINESS-CODED: NO

**<u>CONDITION</u>**: Given a mission, references, tactical motor pool, personnel, and equipment.

STANDARD: To repel an enemy attack against a fixed location.

### EVENT COMPONENTS:

- 1. Mount an M2A1 heavy machinegun on a tactical vehicle.
- 2. Operate an M2A1 heavy machinegun.
- 3. Perform immediate action for an M2A1 heavy machinegun.
- 4. Perform remedial action for an M2A1 heavy machinegun.
- 5. Field zero an M2A1 heavy machinegun.

- 6. Perform operator maintenance on an MK-19 heavy machinegun and associated components.
- 7. Mount an MK-19 heavy machinegun on a tactical vehicle.
- 8. Operate a MK-19 heavy machinegun.
- 9. Perform immediate action for a MK-19 heavy machinegun.
- 10. Perform remedial action for a MK-19 heavy machinegun.
- 11. Field zero a MK-19 heavy machinegun.
- 12. Perform operator maintenance for an M240B medium machinegun and associated components.
- 13. Operate an M240B medium machinegun.
- 14. Perform immediate action on an M240B medium machinegun.
- 15. Perform remedial action on an M240B medium machinegun.
- 16. Zero a Machinegun Day Optic (MDO) to an M240B medium machinegun.

# **REFERENCES:**

- 1. ATP 4-11 Army Motor Transport Operations
- 2. ES&IP Energy Strategy and Implementation Plan (FEB 2011)
- 3. FM 3-22.27 MK 19 40mm Grenade Machinegun Mod 3
- 4. FM 3-22.65 Browning Machine Gun, Caliber .50 HB, M2
- 5. FM 3-22.68 Crew-Served Machine Guns
- 6. MCRP 3-40-3\_ Multi-Service Communications Procedures and Tactical Radio Procedures in Joint Environment
- 7. MCTP 3-01C Machine Guns and Machine Gun Gunnery
- 8. MCWP 3-17.8 Combined Arms Mobility
- 9. MCWP 4-11 Tactical-Level Logistics
- 10. MCWP 4-11.3 Transportation Operations
- 11. MCWP 5-10 Marine Corps Planning Process
- 12. NAVSEA OP 5 Vol 1 Ammunition and Explosives/Ashore Safety Regulations of Handling, Storage, Production, Renovation and Shipping
- 13. NAVSEA OP 5 Vol 2 Ammunition & Explosives Ashore Safety Regulation
- 14. NAVSEA OP 5 Vol 3 Ammunition and Explosives Safety Ashore for Contingencies, Combat Operations, Military Operations Other Than War, and Associated Training
- 15. NAVSEA SWO20-AF-ABK-010 Motor Vehicle Driver and Shipping Inspector's Manual for Ammunition, Explosives and Related Hazardous Materials
- 16. TM 08670A/09712A-10/1B Operator's Manual for Machine Gun, 7.62mm, M240
- 17. TM 1005-OR Technical Manual, Machinegun Mounts
- 18. TM 11491A-OI Organizational and Intermediate Maintenance Manual w/ Repair Parts List (RPL), M35 Medium Machine Gun Vehicle Mount
- 19. TM 11792A-OI Machine Gun Day Optic, SU-260/P
- 20. TM 12017A-OI Heavy Machinegun Sight System

# SUPPORT REQUIREMENTS:

### SIMULATION EVALUATION:

SIMULATED	SUITABILITY	SIMULATOR	UNIT OF MEASURE	HOURS	PM
Yes	S	ISMT	Marine Hours	3	N

**ADMINISTRATIVE INSTRUCTIONS:** Commander/Units should contact local Training Support Centers (TSC) to request crew-serve weapons at their respective home stations in order to meet METL based CIED requirements (sustainment and/or pre-deployment training).

35XX-WPNS-3003: Conduct the Vehicle-Mounted Course of Fire (Gunnery Table V)

SUPPORTED MET(S): MCT 4.3

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 18 months

### READINESS-CODED: NO

**<u>CONDITION</u>:** Given an SL-3 complete M2A1 heavy machinegun or Mk19 grenade machinegun, Heavy Machinegun Sight System (HMGSS), a crew, ammunition, a vehicle mount, and E silhouette targets or vehicle silhouette targets from 400 to 1000 meters, while wearing a fighting load.

STANDARD: Achieve a minimum score of 32 points out of a possible 48.

## EVENT COMPONENTS:

- 1. Prepare a belt of 192 rounds (128 rounds for Mk-19) of ammunition.
- In a time limit of 60 seconds, engage 4 targets at a range within 500-600 meters, using fixed fire.
- 3. In a time limit of 45 seconds, engage 3 targets at a range within 400-500 meters, using traversing fire.
- 4. In a time limit of 45 seconds, engage 3 targets at a range within 600-1000 meters, using searching fire.
- 5. In a time limit of 45 seconds, engage 3 targets at a range within 600-1000 meters, using searching and traversing fire.

#### **REFERENCES:**

- 1. ATP 3-90.90 Army Tactical Standard Operating Procedures
- 2. ATP 4-11 Army Motor Transport Operations
- 3. ATP 4-16 Movement Control
- 4. ES&IP Energy Strategy and Implementation Plan (FEB 2011)
- 5. FM 3-22.27 MK 19 40mm Grenade Machinegun Mod 3
- 6. FM 3-22.65 Browning Machine Gun, Caliber .50 HB, M2
- 7. FM 3-22.68 Crew-Served Machine Guns
- 8. MCRP 3-40-3\_ Multi-Service Communications Procedures and Tactical Radio Procedures in Joint Environment
- 9. MCRP 3-40E.1 Recovery and Battle Damage Assessment and Repair (BDAR)
- 10. MCRP 3-40F.7 Multi-Service Tactics, Techniques, and Procedures for
- Tactical Convoy Operations (TCO)
- 11. MCRP 4-11.3F Convoy Operations Handbook
- 12. MCTP 3-01C Machine Guns and Machine Gun Gunnery
- 13. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
- 14. MCWP 4-11 Tactical-Level Logistics
- 15. MCWP 4-11.3 Transportation Operations
- 16. MCWP 5-10 Marine Corps Planning Process
- 17. NAVSEA OP 5 Vol 1 Ammunition and Explosives/Ashore Safety Regulations of Handling, Storage, Production, Renovation and Shipping
- 18. NAVSEA OP 5 Vol 2 Ammunition & Explosives Ashore Safety Regulation
- 19. NAVSEA OP 5 Vol 3 Ammunition and Explosives Safety Ashore for

NAVMC 3500.39D 07 Jun 2019

Contingencies, Combat Operations, Military Operations Other Than War, and Associated Training

- 20. NAVSEA SWO20-AF-ABK-010 Motor Vehicle Driver and Shipping Inspector's Manual for Ammunition, Explosives and Related Hazardous Materials
- 21. TM 08670A/09712A-10/1B (Army TM 9-1005-313-10) Operator's Manual for Machine Gun, 7.62mm, M240
- 22. TM 09880C-OR Operator's Guide, DAGR Operator's Pocket Guide
- 23. TM 1005-OR Technical Manual, Machinegun Mounts
- 24. TM 11240-OD Principal Technical Characteristics of U.S. Marine Corps Motor Transportation Equipment
- 25. TM 11491A-OI Organizational and Intermediate Maintenance Manual w/ Repair Parts List (RPL), M35 Medium Machine Gun Vehicle Mount
- 26. TM 11792A-OI Machine Gun Day Optic, SU-260/P
- 27. TM 12017A-OI Heavy Machinegun Sight System
- 28. TM 4700-15/1\_ Ground Equipment Record Procedures

# MISCELLANEOUS:

## ADMINISTRATIVE INSTRUCTIONS:

AADODIC / QUANTITY -A576 Ctg,.50 Cal 4 API/1 API-T Linked / 192 rounds per Marine -B542 Ctg, 40mm HEDP M430 / M430A1 Linked / 128 rounds per Marine RANGE/TRAINING AREA: -Facility Code 17580 Machine Gun Transition Range -Facility Code 17581 Machine Gun Field Fire Range

Event Code	E-	Event	Page
	Coded		
35XX-CIED-2001	NO	Recognize indicators of Improvised	13-8
		Explosive Devices (IED)	
35XX-CIED-2002	NO	Confirm the presence of an IED	13-9
35XX-CIED-2003	NO	React to a HME threat	13-10
35XX-CIED-2004	NO	React to an unexploded IED	13-11
35XX-CIED-2005	NO	React to an IED attack	13-12
35XX-CIED-2006	NO	Plan for movement in environments with an	13-13
		IED threat	
35XX-CIED-2007	NO	Negotiate IED Danger Area	13-14
35XX-CIED-2008	NO	Operate Counter Radio Controlled IED	13-15
		(RCIED)	
35XX-COMM-2001	NO	Communicate using limited visibility	13-16
		signals	
35XX-COMM-2002	NO	Communicate using the vehicle mounted	13-17
		radio system(s)	
35XX-COMM-2003	NO	Employ Command, Control, Communications,	13-18
		Computer, and Intelligence (C4I) systems	
		in support of convoy operations	
35XX-WPNS-2001	NO	Construct a machinegun fighting position	13-19
35XX-WPNS-2002	NO	Prepare a machinegun range card	13-20
35XX-WPNS-2003	NO	Employ the M2A1 heavy machinegun	13-21
35XX-WPNS-2004	NO	Employ a MK-19 heavy machinegun	13-22
35XX-WPNS-2005	NO	Employ an M240B medium machinegun	13-23

### 13004. INDEX OF INDIVIDUAL COMMON TO ALL EVENTS

### 13005. INDIVIDUAL COMMON TO ALL EVENTS

35XX-CIED-2001: Recognize indicators of Improvised Explosive Devices (IED)

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 18 months

READINESS-CODED: NO

MOS PERFORMING: 3510, 3521, 3529, 3531, 3537

**GRADES:** PVT, PFC, LCPL, CPL, SGT, SSGT, GYSGT, MSGT, MGYSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5

# **INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Given an operating environment with an IED threat and observation aiding devices.

**STANDARD:** To identify all indicators in accordance with WTI Lexicon 4.0 Edition 2012.

#### PERFORMANCE STEPS:

- 1. Define the five common components of an IED.
- 2. Define the types of IEDs.
- 3. Identify visual indicators of a suspected emplaced IED.
- 4. Identify visual indicators of a suspected vehicle-borne improvised explosive device (VBIED).
- 5. Identify the visual indicators of a suspected suicide vehicle-borne improvised explosive device (SVBIED) vehicle and driver.
- 6. Identify the visual indicators of a suspected person-borne IED (PBIED).

### **REFERENCES:**

- 1. JIEDDTF 05-23 Joint Improvised Explosive Device Defeat Organization Tactics, Techniques and Procedures Handbook
- 2. MCIP 3-17.02 MAGTF Counter-Improvised Explosive Device Operations

# SUPPORT REQUIREMENTS:

#### SIMULATION EVALUATION:

SIMULATED	SUITABILITY	SIMULATOR	UNIT OF MEASURE	HOURS	PM
Yes	S/L	Tactical Wheeled Vehicle Simulator	Marine Hours	3	Ν

**ADMINISTRATIVE INSTRUCTIONS:** Commander/Units should contact local Training Support Centers (TSC) to request Service-level endorsed CIED training via Marine Corps Tactics Operations Group (MCTOG) and Marine Corps Engineer School (MCES) at their respective home stations in order to meet METL based CIED requirements (sustainment and/or pre-deployment training)

35XX-CIED-2002: Confirm the presence of an IED

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 18 months

READINESS-CODED: NO

MOS PERFORMING: 3510, 3521, 3529, 3531, 3537

**GRADES:** PVT, PFC, LCPL, CPL, SGT, SSGT, GYSGT, MSGT, MGYSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5

### **INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Given a mission, as a member of a unit, T/O weapon, associated documents, search equipment, personal protective equipment (PPE), and established theater specific confirmation criteria.

**<u>STANDARD</u>**: Validate IED threat indicators in accordance with theater specific confirmation criteria.

### PERFORMANCE STEPS:

- 1. Select appropriate confirmation equipment/asset.
- 2. Employ C-IED equipment, when required.
- 3. Mark suspected IEDs.
- 4. Conduct 5 C's (confirm, clear, cordon, check, and control) as applicable.
- 5. Report findings to higher, adjacent, and supporting unit(s) as required.

#### **REFERENCES:**

- 1. JIEDDTF 05-23 Joint Improvised Explosive Device Defeat Organization Tactics, Techniques and Procedures Handbook
- 2. MCIP 3-17.02 MAGTF Counter-Improvised Explosive Device Operations

#### SUPPORT REQUIREMENTS:

# SIMULATION EVALUATION:

SIMULATED	SUITABILITY	SIMULATOR	UNIT OF MEASURE	HOURS	PM
Yes	S/L	Tactical Wheeled Vehicle Simulator	Marine Hours	3	N

ADMINISTRATIVE INSTRUCTIONS: Commander/Units should contact local Training Support Centers (TSC) to request Service-level endorsed CIED training via Marine Corps Tactics Operations Group (MCTOG) and Marine Corps Engineer School (MCES) at their respective home stations in order to meet METL based CIED requirements (sustainment and/or pre-deployment training).

35XX-CIED-2003: React to a HME threat

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 18 months

READINESS-CODED: NO

MOS PERFORMING: 3510, 3521, 3529, 3531, 3537

**GRADES:** PVT, PFC, LCPL, CPL, SGT, SSGT, GYSGT, MSGT, MGYSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5

### **INITIAL TRAINING SETTING:** MOJT

CONDITION: Given an operating environment and HME threat assessment brief.

**STANDARD:** To recognize any indicators and conduct immediate actions on the threat.

# PERFORMANCE STEPS:

- 1. Identify HME precursors.
- 2. Identify indicators of HME production.
- 3. Identify HME mixing facilities.
- 4. Conduct 5 C's (confirm, clear, cordon, check, and control).
- 5. Report findings to higher headquarters.
- 6. Secure Area.
- 7. Provide security for follow on EOD exploitation.

### **REFERENCES:**

- 1. JIEDDTF 05-23 Joint Improvised Explosive Device Defeat Organization Tactics, Techniques and Procedures Handbook
- 2. MCIP 3-17.02 MAGTF Counter-Improvised Explosive Device Operations

#### SUPPORT REQUIREMENTS:

# SIMULATION EVALUATION:

SIMULATED	SUITABILITY	SIMULATOR	UNIT OF MEASURE	HOURS	PM
Yes	S/L	Tactical Wheeled Vehicle Simulator	Marine Hours	3	Ν

ADMINISTRATIVE INSTRUCTIONS: Commander/Units should contact local Training Support Centers (TSC) to request Service-level endorsed CIED training via Marine Corps Tactics Operations Group (MCTOG) and Marine Corps Engineer School (MCES) at their respective home stations in order to meet METL based CIED requirements (sustainment and/or pre-deployment training).

35XX-CIED-2004: React to an unexploded IED

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 18 months

READINESS-CODED: NO

MOS PERFORMING: 3510, 3521, 3529, 3531, 3537

**GRADES:** PVT, PFC, LCPL, CPL, SGT, SSGT, GYSGT, MSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5

### **INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Given a mission, detection equipment, marking equipment, T/O weapon, combat load, and references.

**STANDARD:** To confirm presence of all threats in a lane, route, or area with no injury to friendly personnel or damage to equipment.

## PERFORMANCE STEPS:

- 1. Establish Security.
- 2. Conduct 5 and 25 meter checks.
- 3. Mark suspected threat(s).
- 4. Report suspected threat(s).
- 5. React to follow-on attack.
- 6. Report to higher, adjacent, supporting units, as required.

### **REFERENCES:**

- 1. JIEDDTF 05-23 Joint Improvised Explosive Device Defeat Organization Tactics, Techniques and Procedures Handbook
- 2. MCIP 3-17.02 MAGTF Counter-Improvised Explosive Device Operations

#### SUPPORT REQUIREMENTS:

# SIMULATION EVALUATION:

SIMULATED	SUITABILITY	SIMULATOR	UNIT OF MEASURE	HOURS	PM
Yes	S/L	Tactical Wheeled Vehicle Simulator	Marine Hours	3	Ν

ADMINISTRATIVE INSTRUCTIONS: Commander/Units should contact local Training Support Centers (TSC) to request Service-level endorsed CIED training via Marine Corps Tactics Operations Group (MCTOG) and Marine Corps Engineer School (MCES) at their respective home stations in order to meet METL based CIED requirements (sustainment and/or pre-deployment training).

35XX-CIED-2005: React to an IED attack

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 18 months

READINESS-CODED: NO

MOS PERFORMING: 3510, 3521, 3529, 3531, 3537

**GRADES:** PVT, PFC, LCPL, CPL, SGT, SSGT, GYSGT, MSGT, MGYSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5

### **INITIAL TRAINING SETTING:** MOJT

**CONDITION:** As a member of unit, given a mission, rules of engagement, and a detonated improvised explosive device (IED).

**STANDARD:** To recognize any indicators and conduct immediate actions on the threat.

### PERFORMANCE STEPS:

- 1. Report direction, distance and casualties.
- React to Personnel Borne-Improvised Explosive Device, Suicide Vehicle Borne-Improvised Explosive Device and Vehicle Borne-Improvised Explosive Device.
- 3. Conduct 5 Cs (confirm, clear, cordon, check, and control), as necessary.
- 4. Check for secondary devices.
- 5. React to follow on attack(s).
- 6. Conduct CASEVAC, when applicable.
- 7. Conduct self-recovery of assets, when applicable.
- Coordinate recovery of assets with higher, adjacent, or supporting unit(s).
- 9. Coordinate Combat Tracking Dog support, if available.
- 10. Resume mission.

# **REFERENCES**:

- 1. JIEDDTF 05-23 Joint Improvised Explosive Device Defeat Organization Tactics, Techniques and Procedures Handbook
- 2. MCIP 3-17.02 MAGTF Counter-Improvised Explosive Device Operations

## SUPPORT REQUIREMENTS:

## SIMULATION EVALUATION:

SIMULATED	SUITABILITY	SIMULATOR	UNIT OF MEASURE	HOURS	PM
Yes	S/L	Tactical Wheeled	Marine Hours	3	Ν

Enclosure (1)

# Vehicle Simulator

### MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** Commander/Units should contact local Training Support Centers (TSC) to request Service-level endorsed CIED training via Marine Corps Tactics Operations Group (MCTOG) and Marine Corps Engineer School (MCES) at their respective home stations in order to meet METL based CIED requirements (sustainment and/or pre-deployment training).

35XX-CIED-2006: Plan for movement in environments with an IED threat

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 18 months

READINESS-CODED: NO

MOS PERFORMING: 3510, 3521, 3529, 3531, 3537

**GRADES:** PVT, PFC, LCPL, CPL, SGT, SSGT, GYSGT, MSGT, MGYSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5

### **INITIAL TRAINING SETTING:** MOJT

**<u>CONDITION</u>:** While motorized, mechanized, or dismounted, given an order, detection equipment, CREW systems, proofing equipment, confirmation equipment, marking equipment and personal protective equipment (PPE).

**STANDARD:** To mitigate threat to force and maintain operational effectiveness.

#### PERFORMANCE STEPS:

- 1. Issue warning order.
- 2. Conduct Mission, Enemy, Terrain, Troops & Time Available (METT-T).
- 3. Task organize (to include C-IED Equipment).
- 4. Integrate civil considerations into mission planning.
- 5. Integrate fires, as applicable.
- 6. Integrate C-IED Enabler Support from higher, adjacent, support, or joint coalition forces, when required.
- 7. Coordinate with adjacent, supporting, and attached units (EOD, Engineers, Site Exploitation Teams, R2C, and JTAC).
- 8. Identify danger areas and crossing technique (V-sweep or box recon.
- 9. Plan for employment of CREW systems to protect unit while conducting patrol.
- 10. Plan the employment of detection equipment in danger area to locate potential IEDs.
- 11. Plan for employment of confirmation equipment to confirm/deny presence of IEDs.
- Receive intelligence preparation/route reconnaissance report(s).
- 13. Establish patrol battle drills.
- 14. Complete the plan.

- 15. Issue order.
- 16. Lead preparation for combat actions (pre-combat inspection (PCI), rehearsals, rehearsals of concept, and confirmation briefs).
- 17. Supervise pre-combat checks.

#### **REFERENCES:**

- 1. JIEDDTF 05-23 Joint Improvised Explosive Device Defeat Organization Tactics, Techniques and Procedures Handbook
- 2. MCIP 3-17.02 MAGTF Counter-Improvised Explosive Device Operations
- 3. MCRP 3-40F.7 Multi-Service Tactics, Techniques, and Procedures for Tactical Convoy Operations (TCO)

#### SUPPORT REQUIREMENTS:

# SIMULATION EVALUATION:

SIMULATED	SUITABILITY	SIMULATOR	UNIT OF MEASURE	HOURS	PM
Yes	S/L	Tactical Wheeled Vehicle Simulator	Marine Hours	3	N

#### MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** Commander/Units should contact local Training Support Centers (TSC) to request Service-level endorsed CIED training via Marine Corps Tactics Operations Group (MCTOG) and Marine Corps Engineer School (MCES) at their respective home stations in order to meet METL based CIED requirements (sustainment and/or pre-deployment training).

35XX-CIED-2007: Negotiate IED Danger Area

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 18 months

READINESS-CODED: NO

MOS PERFORMING: 3510, 3521, 3529, 3531, 3537

**GRADES:** PVT, PFC, LCPL, CPL, SGT, SSGT, GYSGT, MSGT, MGYSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5

### **INITIAL TRAINING SETTING:** MOJT

**<u>CONDITION</u>**: Given an operating environment with an IED threat, as a member of a unit, with detection equipment, CREW systems, confirmation equipment, marking equipment, personal protective equipment (PPE), and references.

**STANDARD:** To negate the threat.

### PERFORMANCE STEPS:

1. Determine appropriate danger area crossing technique.

- 2. Employ C-IED equipment, when required.
- 3. Perform immediate actions, as required.
- 4. Conduct 5 C's (confirm, clear, cordon, check, and control), when required.
- 5. Report findings to higher, adjacent, supporting unit(s).
- 6. Continue mission.

### **REFERENCES:**

- 1. JIEDDTF 05-23 Joint Improvised Explosive Device Defeat Organization Tactics, Techniques and Procedures Handbook
- 2. MCIP 3-17.02 MAGTF Counter-Improvised Explosive Device Operations
- 3. MCRP 3-40F.7 Multi-Service Tactics, Techniques, and Procedures for Tactical Convoy Operations (TCO)

### SUPPORT REQUIREMENTS:

### SIMULATION EVALUATION:

SIMULATED	SUITABILITY	SIMULATOR	UNIT OF MEASURE	HOURS	PM
Yes	S/L	Tactical Wheeled Vehicle Simulator	Marine Hours	3	N

#### MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** Commander/Units should contact local Training Support Centers (TSC) to request Service-level endorsed CIED training via Marine Corps Tactics Operations Group (MCTOG) and Marine Corps Engineer School (MCES) at their respective home stations in order to meet METL based CIED requirements (sustainment and/or pre-deployment training).

35XX-CIED-2008: Operate Counter Radio Controlled IED (RCIED)

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 18 months

READINESS-CODED: NO

MOS PERFORMING: 3510, 3521, 3529, 3531, 3537

**<u>GRADES</u>**: PVT, PFC, LCPL, CPL, SGT, SSGT, GYSGT, MSGT, MGYSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5

# **INITIAL TRAINING SETTING:** MOJT

**<u>CONDITION</u>**: Given an operating environment with an IED threat and an AO specific load set.

**STANDARD:** To protect formations while considering range and terrain without electromagnetic interference with other systems (e.g. detectors or other CREW systems).

## PERFORMANCE STEPS:

- 1. Conduct preventative maintenance checks and services.
- 2. Prepare system for employment.
- 3. Troubleshoot CREW systems, if required.
- 4. Integrate and de-conflict CREW systems with other EW/Communication assets, when applicable.
- 5. Employ system.
- 6. Embark equipment, when required.

#### **REFERENCES:**

- 1. JIEDDTF 05-23 Joint Improvised Explosive Device Defeat Organization Tactics, Techniques and Procedures Handbook
- 2. MCIP 3-17.02 MAGTF Counter-Improvised Explosive Device Operations
- 3. MCRP 3-40F.7 Multi-Service Tactics, Techniques, and Procedures for Tactical Convoy Operations (TCO)

#### SUPPORT REQUIREMENTS:

# SIMULATION EVALUATION:

SIMULATED	SUITABILITY	SIMULATOR	UNIT OF MEASURE	HOURS	PM
Yes	S/L	Tactical Wheeled Vehicle Simulator	Marine Hours	3	N

### MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: Commander/Units should contact local Training Support Centers (TSC) to request Service-level endorsed CIED training via Marine Corps Tactics Operations Group (MCTOG) and Marine Corps Engineer School (MCES) at their respective home stations in order to meet METL based CIED requirements (sustainment and/or pre-deployment training).

35xx-COMM-2001: Communicate using limited visibility signals

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 18 months

READINESS-CODED: NO

GRADES: PVT, PFC, LCPL, CPL, SGT, SSGT, GYSGT, WO-1, CWO-2, CWO-3

### **INITIAL TRAINING SETTING:** MOJT

**<u>CONDITION</u>**: Given a red lens flashlight, chemlight, night vision device with infrared illuminator, infrared emitters, and infrared chemlights.

STANDARD: To accomplish the mission in a C4I denied environment.

#### PERFORMANCE STEPS:

1. Employ tap signals.

- 2. Employ pull lines.
- 3. Employ red lens flashlight.
- 4. Employ directional chemlights.
- 5. Employ infrared emitters/chemlights.
- 6. Employ infrared night vision devices.
- 7. Employ thermal devices.

### **REFERENCES:**

- 1. FM 21-60 Visual Signs
- 2. MCWP 3-11.3 Scouting and Patrolling (FMFM 6-7 w/Ch 1)
- 3. TM 09500A-10/1 Operator's Manual Night Vision Goggles AN/PVS-7B and AN/PVS-7D
- 4. TM 10271A-10/1A Operator's Manual Monocular Night Vision Devices (MNVD) AN/PVS-14

### MISCELLANEOUS:

# ADMINISTRATIVE INSTRUCTIONS:

- 1. Military flash light, red lens capable
- 2. Night vision devices
- 3. 550 cord
- 4. Infrared chemlights
- 5. Visual spectrum chemlights
   6. Infrared emitters

35xx-COMM-2002: Communicate using the vehicle mounted radio system(s)

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 18 months

READINESS-CODED: NO

MOS PERFORMING: 3510, 3521, 3529, 3531, 3537

GRADES: PVT, PFC, LCPL, CPL, SGT, SSGT, GYSGT, WO-1, CWO-2, CWO-3

### **INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Given a Motor Transport tactical vehicle equipped with VHF, UHF, HF radio(s) and driver.

STANDARD: To establish communications with a distant station.

### PERFORMANCE STEPS:

- 1. Power on the vehicle mounted radio system.
- 2. Program vehicle mounted radio, as required.
- 3. Operate the vehicle mounted radio system in the proper communication mode.
- 4. Coordinate the encryption of device, as required.
- 5. Establish communication with a distant station.
- 6. Perform troubleshooting procedures as required.
- 7. Power down the vehicle mounted radio system.

#### **REFERENCES:**

- 1. TM 11496A-OI/3 Operation Manual for AN/PRC-152 Multiband Handheld Radio
- 2. TM 115810-410-13P Operations Manual AN/PYQ-10

## SUPPORT REQUIREMENTS:

## SIMULATION EVALUATION:

SIMULATED	SUITABILITY	SIMULATOR	UNIT OF MEASURE	HOURS	PM
Yes	S/L	Tactical Wheeled Vehicle Simulator	Marine Hours	3	N

### MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** 1. Due to the changes/updates in communication equipment, this task is designed to use the latest available communications references.

**35XX-COMM-2003:** Employ Command, Control, Communications, Computer, and Intelligence (C4I) systems in support of convoy operations

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 18 months

READINESS-CODED: NO

MOS PERFORMING: 3510, 3521, 3529, 3531, 3534, 3536, 3537

GRADES: PVT, PFC, LCPL, CPL, SGT, SSGT, GYSGT, WO-1, CWO-2, CWO-3

### **INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Given Commander's Guidance, operations order/plan, battle staff, Unit Table of Organization and Equipment (TO&E), communications architecture and integrated C4I systems.

STANDARD: To facilitate the commander's decision making process.

#### PERFORMANCE STEPS:

- 1. Identify C4I systems organic to unit.
- 2. Identify safety hazards.
- 3. Develop an internal communications plan.
- 4. Install radio system in vehicle.
- 5. Configure radio for basic operations.
- 6. Establish secure radio communication.
- 7. Utilize proper radio procedures.
- 8. Submit reports, as required.
- 9. Troubleshoot radio system, as required.
- 10. Restore Radio system, as required.
- 11. Access satellites using Defense Advanced GPS Receiver (DAGR). Obtain location.
- 12. Configure Joint Battle Command Platform (JBC-P) Tracker, Celestial Positioning System for basic operations.
- 13. Establish communications with Joint Battle Command Platform (JBC-P)

Tracker, Celestial Positioning System.

- 14. Locate Adjacent Units with Joint Battle Command Platform (JBC-P) Tracker, Celestial Positioning System.
- 15. Submit reports via Joint Battle Command Platform (JBC-P) Tracker, Celestial Positioning System, as required.
- 16. Perform shut down procedures for Joint Battle Command Platform (JBC-P) Tracker, Celestial Positioning System.
- 17. Employ Blue Force Tracking System during tactical convoy operations, as required.

#### **REFERENCES:**

- 1. ATP 4-11 Army Motor Transport Operations
- 2. ATP 4-16 Movement Control
- 3. ES&IP Energy Strategy and Implementation Plan (FEB 2011)
- 4. MCRP 3-40-3\_ Multi-Service Communications Procedures and Tactical Radio Procedures in Joint Environment
- 5. MCRP 3-40E.1 Recovery and Battle Damage Assessment and Repair (BDAR)
- 6. MCRP 3-40F.7 Multi-Service Tactics, Techniques, and Procedures for Tactical Convoy Operations (TCO)
- 7. MCRP 4-11 Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
- 8. MCTP 3-34A Combined Arms Mobility
- 9. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
- 10. MCWP 3-17.8 Combined Arms Mobility
- 11. MCWP 4-11 Tactical-Level Logistics
- 12. MCWP 4-11.3 Transportation Operations
- 13. MCWP 5-10 Marine Corps Planning Process
- 14. SECNAVINST 5239 Series
- 15. TM 09880C-OR Operator's Guide, DAGR Operator's Pocket Guide
- 16. TM 11240-OD Principal Technical Characteristics of U.S. Marine Corps Motor Transportation Equipment
- 17. TM 12208A-OR/1 Countermeasures Set AN/VLQ-13(V)2 CVRJ(V)2

### SUPPORT REQUIREMENTS:

### SIMULATION EVALUATION:

SIMULATED	SUITABILITY	SIMULATOR	UNIT OF MEASURE	HOURS	PM
Yes	S	CCS	Marine Hours	3	Ν

#### MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** 1. Due to the changes/updates in communication equipment, this task is designed to use the latest available communications references.

35xx-WPNS-2001: Construct a machinegun fighting position

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 18 months

READINESS-CODED: NO

MOS PERFORMING: 3510, 3521, 3529, 3531, 3537

GRADES: PVT, PFC, LCPL, CPL, SGT

**INITIAL TRAINING SETTING:** MOJT

**<u>CONDITION</u>**: Given an area to defend, a machinegun unit with SL-3 components, and entrenching equipment, while wearing a fighting load.

**STANDARD:** To provide protection to the gun crew from direct and indirect fires.

## PERFORMANCE STEPS:

- 1. Select position.
- 2. Trace outline of fighting position.
- 3. Excavate fighting position.
- 4. Camouflage/Conceal.
- 5. Prepare alternate/supplementary positions.
- 6. Improve position as needed.

### **REFERENCES:**

- 1. FM 3-22.27 MK 19 40mm Grenade Machinegun Mod 3
- 2. FM 3-22.65 Browning Machine Gun, Caliber .50 HB, M2
- 3. FM 3-22.68 Crew-Served Machine Guns
- 4. MCTP 3-01C Machine Guns and Machine Gun Gunnery

#### MISCELLANEOUS:

**ADMINISTRATIVE INSTRUCTIONS:** Commander/Units should contact local Training Support Centers (TSC) to request crew-serve weapons at their respective home stations in order to meet METL based CIED requirements (sustainment and/or pre-deployment training).

35XX-WPNS-2002: Prepare a machinegun range card

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 18 months

READINESS-CODED: NO

MOS PERFORMING: 3510, 3521, 3531, 3537

GRADES: PVT, PFC, LCPL, CPL, SGT, SSGT, GYSGT, WO-1, CWO-2, CWO-3

#### **INITIAL TRAINING SETTING:** MOJT

**<u>CONDITION</u>**: Given a mounted SL-3 complete machinegun, a designated sector of fire, a Final Protective Line (FPL) or Principal Direction of Fire (PDF), navigation equipment, and writing materials, while wearing a fighting load.

STANDARD: To complete two copies depicting all required information.

#### PERFORMANCE STEPS:

- 1. Depict sector of fire.
- 2. Depict mission (FPL or PDF).

- 3. Depict prominent terrain feature.
- 4. Depict Target Reference Points (TRP) for the range card.
- 5. Depict target data.
- 6. Depict dead space.
- 7. Depict orientation diagram.
- 8. Depict weapon symbol.
- 9. Depict marginal data.
- 10. Submit copy of prepared range card to higher headquarters.

#### **REFERENCES:**

- 1. FM 3-22.27 Mk 19 40mm Grenade Machine Gun Mod 3
- 2. FM 3-22.65 Browning Machine Gun, Caliber .50 HB, M2
- 3. FM 3-22.68 Crew-Served Machine Guns
- 4. MCTP 3-01C Machine Guns and Machine Gun Gunnery

35xx-WPNS-2003: Employ the M2A1 heavy machinegun

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 18 months

READINESS-CODED: NO

MOS PERFORMING: 3510, 3521, 3529, 3531, 3537

GRADES: PVT, PFC, LCPL, CPL, SGT, SSGT, GYSGT, WO-1, CWO-2, CWO-3

# **INITIAL TRAINING SETTING:** MOJT

**<u>CONDITION</u>**: Given a operations order, ground or vehicle mounted, SL-3 complete heavy machinegun, and ammunition, while wearing a fighting load.

STANDARD: To engage targets in accordance with the fire command.

# PERFORMANCE STEPS:

- 1. Conduct functions check.
- 2. Assess the operational environment.
- 3. Engage targets, as appropriate.
- 4. Conduct battle damage assessment.
- 5. Report engagement to higher.
- 6. Conduct displacement, as required.

#### **REFERENCES:**

- 1. MCTP 3-01C Machine Guns and Machine Gun Gunnery
- 2. TM 02498D-OR Operator's Manual, Machine Guns, M2A1 Caliber .50; Browning

# SUPPORT REQUIREMENTS:

### SIMULATION EVALUATION:

SIMULATED	SUITABILITY	SIMULATOR	UNIT OF MEASURE	HOURS	PM
Yes	S	ISMT	Marine Hours	3	Ν

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# MISCELLANEOUS:

#### ADMINISTRATIVE INSTRUCTIONS:

Commander/Units should contact local Training Support Centers (TSC) to request crew-serve weapons at their respective home stations in order to meet METL based CIED requirements (sustainment and/or pre-deployment training). 1. Although this is a 3500 event, it is only required for those personnel assigned as a member of a crew served weapon team. 2. The members are based on the current unit T/E to determine the appropriate number of weapons available and personnel to be trained/maintain proficiency. SUPPORT REQUIREMENTS: ORDNANCE: AADODIC / QUANTITY: A576 Ctg,.50 Cal 4 API/1 API-T Linked / 49 round per Marine RANGE/TRAINING AREA: Facility Code 17580 Machine Gun Transition Range Facility Code 17581 Machine Gun Field Fire Range

35XX-WPNS-2004: Employ a MK-19 heavy machinegun

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 18 months

READINESS-CODED: NO

MOS PERFORMING: 3510, 3521, 3531, 3537

GRADES: PVT, PFC, LCPL, CPL, SGT, SSGT, GYSGT, WO-1, CWO-2, CWO-3

### **INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Given a ground or vehicle mounted, SL-3 complete MK-19 heavy machinegun and ammunition, while wearing a fighting load.

STANDARD: To engage targets in accordance with the fire command.

#### PERFORMANCE STEPS:

- 1. Perform operator maintenance on an MK-19 heavy machinegun and associated components.
- 2. Perform weapons handling procedures on an MK-19 heavy machinegun.
- 3. Mount an MK-19 heavy machinegun on an M3 tripod.
- 4. Mount an MK-19 heavy machinegun on a tactical vehicle.
- 5. Field zero a MK-19 heavy machinegun.
- 6. Engage targets with an MK-19 heavy machinegun.
- 7. Perform immediate action for a MK-19 heavy machinegun.
- 8. Perform remedial action for a MK-19 heavy machinegun.
- 9. Unload the weapon.

## **REFERENCES:**

- 1. MCTP 3-01C Machine Guns and Machine Gun Gunnery
- TM 08521A-10/1A Technical Manual, Operator's Manual, Machinegun, 40mm, MK19 MOD 3

### SUPPORT REQUIREMENTS:

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## SIMULATION EVALUATION:

SIMULATED	SUITABILITY	SIMULATOR	UNIT OF MEASURE	HOURS	PM
Yes	S/L	ISMT	Marine Hours	3	Ν

### MISCELLANEOUS:

#### ADMINISTRATIVE INSTRUCTIONS:

Commander/Units should contact local Training Support Centers (TSC) to request crew-serve weapons at their respective home stations in order to meet METL based CIED requirements (sustainment and/or pre-deployment training). 1. Although this is a 3500 event, it is only required for those personnel assigned as a member of a crew served weapon team. 2. The members are based on the current unit T/E to determine the appropriate number of weapons available and personnel to be trained/maintain proficiency. SUPPORT REQUIREMENTS: ORDNANCE: AADODIC /QUANTITY B542 Ctg, 40mm HEDP M430 or M430A1 Linked / 32 round per Team RANGE/TRAINING AREA: -Facility Code 17580 Machine Gun Transition Range -Facility Code 17581 Machine Gun Field Fire Range

35XX-WPNS-2005: Employ an M240B medium machinegun

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 18 months

READINESS-CODED: NO

MOS PERFORMING: 3510, 3521, 3531, 3537

GRADES: PVT, PFC, LCPL, CPL, SGT, SSGT, GYSGT, WO-1, CWO-2, CWO-3

#### **INITIAL TRAINING SETTING:** MOJT

**<u>CONDITION</u>**: Given an SL-3 complete M240B medium machinegun, crew, fire command, and 12 rounds of ammunition, while wearing a fighting load.

STANDARD: To engage targets in accordance with the fire command.

#### PERFORMANCE STEPS:

- 1. Perform operator maintenance for an M240B medium machinegun and associated components.
- 2. Perform weapons handling procedures on a medium machine gun.
- 3. Mount a medium machine gun on an M122 tripod.
- 4. Zero a Machinegun Day Optic (MDO) to an M240B medium machinegun.
- 5. Engage targets with a medium machine gun.
- 6. Perform immediate action on an M240B medium machinegun.
- 7. Perform remedial action on an M240B medium machinegun.
- 8. Unload the weapon.

### **REFERENCES:**

1. MCTP 3-01C Machine Guns and Machine Gun Gunnery

2. TM 08670A/09712A-10/1B Operator's Manual for Machine Gun, 7.62mm, M240

3. TM 11792A-OI Machine Gun Day Optic, SU-260/P

### SUPPORT REQUIREMENTS:

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SIMULATION	EVALUATION:				
SIMULATED	SUITABILITY	SIMULATOR	UNIT OF MEASURE	HOURS	PM
Yes	S/L	ISMT	Marine Hours	3	N

# MISCELLANEOUS:

# ADMINISTRATIVE INSTRUCTIONS:

Commander/Units should contact local Training Support Centers (TSC) to request crew-serve weapons at their respective home stations in order to meet METL based CIED requirements (sustainment and/or pre-deployment training). 1. Although this is a 3500 event, it is only required for those personnel assigned as a member of a crew served weapon team. 2. The members are based on the current unit T/E to determine the appropriate number of weapons available and personnel to be trained/maintain proficiency. SUPPORT REOUIREMENTS: ORDNANCE: AADODIC / QUANTITY A135 Ctg, 7.62mm Dummy M63 / 12 round per weapon RANGE/TRAINING AREA: -Facility Code 17410 Maneuver/Training Area, Light Forces -Facility Code 17581 Machine Gun Field Fire Range ADMINISTRATIVE INSTRUCTIONS: 1. If a barrel is not within 2 to 7 clicks, turn into the armory for repair. 2. Consider hot or cold barrel procedures when changing barrels.

# MOTOR-T T&R MANUAL

# APPENDIX A

### ACRONYMS

AAV - amphibious assault vehicle ACP - automated commissioning package ACT - accuracy completeness time sequence ACTS - Assignment, Classification, and Travel Systems AIRS - Automated Inspection Reporting System AO - area of operations APTS - advanced presentation and training skills AR - Active Reserve ASTB-E - Aviation Selection Test Battery Series-E AT4C - advanced tool for coaching BIC - billet information code CAPT - Captain CAR - commander's attainment report CBRN - chemical, biological, radiological, and nuclear CBT - computer-based training CG - commanding general CMC - Commandant of the Marine Corps CMR - consolidated memorandum receipt CO - commanding officer COA - course of action CONPLAN - contingency plan CONUS - continental United States COT - consecutive overseas tours CPL - Corporal CRP - combat readiness percentage; command recruiting program CSR - consolidated strength report CWO - chief warrant officer DEP - delayed entry program DL - distance learning DOD - Department of Defense DoDFMR - Department of Defense Financial Management Regulation DON - Department of the Navy DRRS - Defense Readiness Reporting System EAD - extended active duty ECFC - enlisted career force controls ECS - effective communication skills EFMP - Exceptional Family Member Program ENLPROM - enlisted promotions EPM - enlistment processing manual 1STLT - First Lieutenant FAI - functional area inspection FLC - formal learning center FMF - fleet Marine force FY - fiscal year GOV - government owned vehicle GSA - Government Services Administration GYSGT - Gunnery Sergeant HOTAS - hands-on throttle and stick HQMC - Headquarters, Marine Corps IAW - in accordance with

IGMC - Inspector General of the Marine Corps IIADT - incremental initial active duty training IMI - individual multimedia instruction IPOCT - in place consecutive overseas tours IRAM - Individual Records Administration Manual IRR - Individual Ready Reserve IRT - Itinerant Recruiting Trip JPIC - Joint Package Inspection Checklist LATMOV - lateral move LCPL - Lance Corporal LDO - limited duty officer; line of duty LOI - letter of instruction LSL - lump sum leave MAJ - Major MARADMIN - Marine Administrative Message MARCORPROMMAN - Marine Corps Promotion Manual MARCORSEPMAN - Marine Corps Separation and Retirement Manual MARFORRES - Marine Corps Forces Reserve MASP - military academic skills program MC2 - Marine Corps Communication and Consulting MC3 - Marine Corps Communication, Coaching, and Counseling MC4 - Marine Corps Communication, Consulting, Coaching, and Counseling MCC - monitored command code MCEOB - Marine Corps Enlisted Opportunities Book MCI - Marine Corps Institute MCMEDS - Marine Corps Medical Entitlements Data System MCMP - Marine Corps mentoring program MCO - Marine Corps order MCOOB - Marine Corps Officer Opportunity Book MCP3 - Marine Corps Performance, Programming and Philosophy MCPS - Marine Corps Presentation Skills MCRAMM - Marine Corps Reserve Administrative Management Manual MCRC - Marine Corps Recruiting Command MCRD - Marine Corps Recruit Depot MCRISS - Marine Corps Recruiting Information Support System MCRISS-OSS - Marine Corps Recruiting Information Support System-Officer Selection Station MCRISS-PSRS - Marine Corps Recruiting Information Support System-Prior Service Recruiting Station MCRISS-PSRSS - Marine Corps Recruiting Information Support System-Prior Service Recruiting Substation MCRISS-RS - Marine Corps Recruiting Information Support System-Recruiting Station MCROB - Marine Corps Reserve Opportunity Book MCT - Marine Corps Task MCTFSPRIM - Marine Corps Total Force Reporting Instructions Manual MCTIMS - Marine Corps Training Information Management System MCTL - Marine Corps Task List MECEP - Marine Corps Enlisted Commissioning Education Program MEPCOM - Military Entrance Processing Command MEPS - Military Entrance Processing Station MET - mission essential task METL - mission essential task list MGIB-R - Montgomery GI Bill-Reserve MGYSGT - Master Gunnery Sergeant MIRS - USMEPCOM Integrated Resource System MISSO - Manpower Information Systems Support Officer
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MOJT - Marine on-the-job training
MOL - Marine online
MOS - military occupational specialty
MSC - major subordinate command
MSGT - Master Sergeant
MUD - Merkel Unit Designator
NAMI - Naval Aerial Medical Institute
NAVMC - Navy Marine Corps
NIDT - Non-Instrumented Drug Test
NMCI - Navy Marine Corps Communication Information
NWA - new working applicant
OCHF - Operations Chief
OCM - Officer Commissioning Manual
OCONUS - outside the continental United States
OIC - officer in charge
OPFOR - operating forces; opposing force; opposition force
OPLAN - operational plan
OPNAV - Office of the Chief of Naval Operations
OPNAVINST Chief of Naval Operations instruction
OPS - operations
OPSO - operations officer
ORM - operational risk management
OSO - officer selection officer
OSS - officer selection station
OST - officer selection team
PAC - prospect applicant card
PADD - projected active duty date
PAR - Performance and Review
PFC - Private First Class
PSEP - prior service enlistment program
PSF - public speaking forum
PSR - prior service recruiter
PSRS - prior service recruiting station
PSRSS - prior service recruiting substation
PTAD - permissive temporary additional duty
PVT - Private
QC - quality control
QCIS - quality control SITREP
QSN - quota serial number
RAV - Retention Assist Visit
RECLP - Reserve Enlisted Commissioning Program
RELM - Reenlistment Extension Lateral Move
RI - Recruiter Instructor
ROEP - Reserve Option Enlistment Program
RS - Recruiting Station
RSCE - Recruiting Station Command Element
RSS - Recruiting Substation
RTF - recruiter training file
RUC - reporting unit code
S&R - Schedule and Results
SAT - Systems Approach to Training
SAV - staff assist visit
SDA - special duty assignment
SECNAVINST - Secretary of the Navy instruction
SGT - Sergeant
SGTMAJ - Sergeant Major
SITREP situation report
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SMB - SNCOIC Management Book
SMCR - select Marine Corps reserve
SME - subject matter expert
SMOS - supplementary MOS
SNCO - staff noncommissioned officer
SNCOIC - staff noncommissioned officer in charge
SOP - standing operating procedure
SOS - statement of service
SOU - statement of understanding
SRB - selective reenlistment bonus
SRI - Systematic Recruiting Inspection
SRIP - Selected Reserve Incentive Program
SSGT - Staff Sergeant
T&R - training and readiness
T/O - table of organization
TECOM - Training and Education Command
TIP - training input plan
TMS - Training Management System
UMIS - Unit Manpower Information Sheet
UTM - unit training management
WO - Warrant Officer
XO - executive officer
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## MOTOR-T T&R MANUAL

#### APPENDIX B

#### TERMS AND DEFINITIONS

Terms in this glossary are subject to change as applicable orders and directives are revised. Terms established by Marine Corps orders or directives take precedence after definitions found in Joint Publication 1-02, DOD Dictionary of Military and Associated Terms.

А

After Action Review. A professional discussion of training events conducted after all training to promote learning among training participants. The formality and scope increase with the command level and size of the training evolution. For longer exercises, they should be planned for at predetermined times during an exercise. The results of the AAR shall be recorded on an after action report and forwarded to higher headquarters. The commander and higher headquarters use the results of an AAR to reallocate resources, reprioritize their training plan, and plan for future training.

Assessment. An informal judgment of the unit's proficiency and resources made by a commander or trainer to gain insight into the unit's overall condition. It serves as the basis for the midrange plan. Commanders make frequent use of these determinations during the course of the combat readiness cycle in order to adjust, prioritize or modify training events and plans.

C

**Chaining**. A process that enables unit leaders to effectively identify subordinate collective events and individual events that support a specific collective event. For example, collective training events at the 4000-Level are directly supported by collective events at the 3000-Level. When a higher level event by its nature requires the completion of lower level events, they are "chained"; Sustainment credit is given for all lower level events chained to a higher event.

**Collective Event.** A clearly defined, discrete, and measurable activity, action, or event (i.e., task) that requires organized team or unit performance and leads to accomplishment of a mission or function. A collective task is derived from unit missions or higher-level collective tasks. Task accomplishment requires performance of procedures composed of supporting collective or individual tasks. A collective task describes the exact performance a group must perform in the field under actual operational conditions. The term "collective" does not necessarily infer that a unit accomplishes the event. A unit, such as a squad or platoon conducting an attack; may accomplish a collective event or, it may be accomplished by an individual to accomplish a unit mission, such as a battalion supply officer completing a reconciliation of the battalion's CMR. Thus, many collective events will have titles that are the same as individual events; however, the standard and condition will be different because the scope of the collective event is broader.

**Collective Training Standards (CTS).** Criteria that specify mission and functional area unit proficiency standards for combat, combat support, and combat service support units. They include tasks, conditions, standards, evaluator instruction, and key indicators. CTS are found within collective training events in T&R Manuals.

**Combat Readiness Cycle.** The combat readiness cycle depicts the relationships within the building block approach to training. The combat readiness cycle progresses from T&R Manual individual core skills training, to the accomplishment of collective training events, and finally, to a unit's participation in a contingency or actual combat. The combat readiness cycle demonstrates the relationship of core capabilities to unit combat readiness. Individual core skills training of collective events lead to unit proficiency and the ability to accomplish the unit's stated mission.

**Combat Readiness Percentage (CRP).** The CRP is a quantitative numerical value used in calculating collective training readiness based on the E-Coded events that support the unit METL. CRP is a concise measure of unit training accomplishments. This numerical value is only a snapshot of training readiness at a specific time. As training is conducted, unit CRP will continuously change.

**Condition.** The condition describes the training situation or environment under which the training event or task will take place. Expands on the information in the title by identifying when, where and why the event or task will occur and what materials, personnel, equipment, environmental provisions, and safety constraints must be present to perform the event or task in a real-world environment. Commanders can modify the conditions of the event to best prepare their Marines to accomplish the assigned mission (e.g. in a desert environment; in a mountain environment; etc.).

**Core Competency.** Core competency is the comprehensive measure of a unit's ability to accomplish its assigned MET. It serves as the foundation of the T&R Program. Core competencies are those unit core capabilities and individual core skills that support the commander's METL and T/O mission statement. Individual competency is exhibited through demonstration of proficiency in specified core tasks and core plus tasks. Unit proficiency is measured through collective tasks.

**Core Capabilities.** Core capabilities are the essential functions a unit must be capable of performing during extended contingency/combat operations. Core unit capabilities are based upon mission essential tasks derived from operational plans; doctrine and established tactics; techniques and procedures.

**Core Plus Capabilities.** Core plus capabilities are advanced capabilities that are environment, mission, or theater specific. Core plus capabilities may entail high-risk, high-cost training for missions that are less likely to be assigned in combat.

**Core Plus Skills.** Core plus skills are those advanced skills that are environment, mission, rank, or billet specific. 2000-Level training is designed to make Marines proficient in core skills in a specific billet or at a specified rank at the Combat Ready level. 3000-8000-Level training produces combat leaders and fully qualified section members at the Combat Qualified level. Marines trained at the Combat Qualified level are those the commanding officer feels are capable of accomplishing unit-level missions and of directing the actions of subordinates. Many core plus tasks are learned via MOJT, while others form the base for curriculum in career level MOS courses taught by the formal school.

D

**Defense Readiness Reporting System (DRRS).** A comprehensive readiness reporting system that evaluates readiness on the basis of the actual missions and capabilities assigned to the forces. It is a capabilities-based, adaptive, near real-time reporting system for the entire Department of Defense.

**Deferred Event.** A T&R event that a commanding officer may postpone when in his or her judgment, a lack of logistic support, ammo, ranges, or other training assets requires a temporary exemption. CRP cannot be accrued for deferred "E-Coded" events.

**Delinquent Event.** An event becomes delinquent when a unit exceeds the sustainment interval for that particular event. The individual or unit must update the delinquent event by first performing all prerequisite events. When the unit commander deems that performing all prerequisite is unattainable, then the delinquent event will be re-demonstrated under the supervision of the appropriate evaluation authority.

 $\mathbf{E}$ 

**E-Coded Event.** An "E-Coded" event is a collective T&R event that is a noted indicator of capability or, a noted collective skill that contributes to the unit's ability to perform the supported MET. As such, only "E-Coded" events are assigned a CRP value and used to calculate a unit's CRP.

**Evaluation.** Evaluation is a continuous process that occurs at all echelons, during every phase of training and can be both formal and informal. Evaluations ensure that Marines and units are capable of conducting their combat mission. Evaluation results are used to reallocate resources, reprioritize the training plan, and plan for future training.

**Event (Training).** 1) An event is a significant training occurrence that is identified, expanded and used as a building block and potential milestone for a unit's training. An event may include formal evaluations. 2) An event within the T&R Program can be an individual training evolution, a collective training evolution or both. Through T&R events, the unit commander ensures that individual Marines and the unit progress from a combat capable status to a Fully Combat Qualified (FCQ) status.

**Event Component**. The major procedures (i.e., actions) that must occur to perform a Collective Event to standard.

**Exercise Commander (EC).** The Commanding General, Marine Expeditionary Force or his appointee will fill this role, unless authority is delegated to the respective commander of the Division, Wing, or FSSG. Responsibilities and functions of the EC include: 1) designate unit(s) to be evaluated, 2) may designate an exercise director, 3) prescribe exercise objectives and T&R events to be evaluated, 4) coordinate with commands or agencies external to the Marine Corps and adjacent Marine Corps commands, when required.

**Exercise Director (ED).** Designated by the EC to prepare, conduct, and report all evaluation results. Responsibilities and functions of the ED include: 1) Publish a letter of instruction (LOI) that: delineates the T&R events to be evaluated, establishes timeframe of the exercise, lists responsibilities of various elements participating in the exercise, establishes safety requirements/guidelines, and lists coordinating instructions. 2) Designate the TEC and TECG to operate as the central control agency for the exercise.

3) Assign evaluators, to include the senior evaluator, and ensure that those evaluators are properly trained. 4) Develop the general exercise scenario taking into account any objectives/events prescribed by the EC. 5) Arrange for all resources to include: training areas, airspace, aggressor forces, and other required support.

м

Marine Corps Ground Training and Readiness (T&R) Program. The T&R Program is the Marine Corps' primary tool for planning and conducting training, for planning and conducting training evaluation, and for assessing training readiness. The program will provide the commander with standardized programs of instruction for units within the ground combat, combat support, and combat service support communities. It consolidates the ITS, CTS, METL and other individual and unit training management tools. T&R is a program of standards that systematizes commonly accepted skills, is open to innovative change, and above all, tailors the training effort to the unit's mission. Further, T&R serves as a training guide and provides commanders an immediate assessment of unit combat readiness by assigning a CRP to key training events. In short, the T&R Program is a building block approach to training that maximizes flexibility and produces the best-trained Marines possible.

**Mission Essential Task(s) MET(s).** A MET is a collective task in which an organization must be proficient in order to accomplish an appropriate portion of its wartime mission(s). MET listings are the foundation for the T&R Manual; all events in the T&R Manual support a MET.

Mission Essential Task List (METL). Descriptive training document that provides units a clear, war fighting focused description of collective actions necessary to achieve wartime mission proficiency. The service-level METL, that which is used as the foundation of the T&R Manual, is developed using Marine Corps doctrine, operational plans, T/Os, UJTL, UNTL, and MCTL. For community based T&R Manuals, an occupational field METL is developed to focus the community's collective training standards. Commanders develop their unit METL from the service-level METL, operational plans, contingency plans, and SOPs.

0

**Operational Readiness (DOD, NATO).** OR is the capability of a unit/formation, ship, weapon system, or equipment to perform the missions or functions for which it is organized or designed. May be used in a general sense or to express a level or degree of readiness.

 $\mathbf{P}$ 

**Prerequisite Event**. Prerequisites are the academic training and/or T&R events that must be completed prior to attempting the event.

**Readiness (DOD)**. Readiness is the ability of U.S. military forces to fight and meet the demands of the national military strategy. Readiness is the synthesis of two distinct but interrelated levels: a) Unit readiness--The ability to provide capabilities required by combatant commanders to execute assigned missions. This is derived from the ability of each unit to deliver the outputs for which it was designed. b) Joint readiness--The combatant commander's ability to integrate and synchronize ready combat and support forces to execute assigned missions.

S

**Section Skill Tasks.** Section skills are those competencies directly related to unit functioning. They are group rather than individual in nature, and require participation by a section (S-1, S-2, S-3, etc).

Simulation Training. Simulators provide the additional capability to develop and hone core and core plus skills. Accordingly, the development of simulator training events for appropriate T&R syllabi can help maintain valuable combat resources while reducing training time and cost. Therefore, in cases where simulator fidelity and capabilities are such that simulator training closely matches that of actual training events, T&R Manual developers may include the option of using simulators to accomplish the training. CRP credit will be earned for E-Coded simulator events based on assessment of relative training event performance.

**Standard.** A standard is a statement that establishes criteria for how well a task or learning objective must be performed. The standard specifies how well, completely, or accurately a process must be performed or product produced. For higher-level collective events, it describes why the event is being done and the desired end-state of the event. Standards become more specific for lower-level events and outline the accuracy, time limits, sequencing, quality, product, process, restrictions, etc., that indicate the minimum acceptable level of performance required of the event. At a minimum, both collective and individual training standards consist of a task, the condition under which the task is to be performed, and the evaluation criteria that will be used to verify that the task has been performed to a satisfactory level.

Sustainment Training. Periodic retraining or demonstration of an event required maintaining the minimum acceptable level of proficiency or capability required to accomplish a training objective. Sustainment training goes beyond the entry-level and is designed to maintain or further develop proficiency in a given set of skills.

Systems Approach to Training (SAT). An orderly process for analyzing, designing, developing, implementing, and evaluating a unit's training program to ensure the unit, and the Marines of that unit acquire the knowledge and skills essential for the successful conduct of the unit's wartime missions.

т

**Training Task**. This describes a direct training activity that pertains to an individual Marine. A task is composed of 3 major components: a description of what is to be done, a condition, and a standard.

Technical Exercise Controller (TEC). The TEC is appointed by the ED, and usually comes from his staff or a subordinate command. The TEC is the senior evaluator within the TECG and should be of equal or higher grade than the commander(s) of the unit(s) being evaluated. The TEC is responsible for ensuring that the evaluation is conducted following the instructions contained in this order and MCO 1553.3A. Specific T&R Manuals are used as the source for evaluation criteria.

Tactical Exercise Control Group (TECG). A TECG is formed to provide subject matter experts in the functional areas being evaluated. The benefit of establishing a permanent TECG is to have resident, dedicated evaluation authority experience, and knowledgeable in evaluation technique. The responsibilities and functions of the TECG include: 1) developing a detailed exercise scenario to include the objectives and events prescribed by the EC/ED in the exercise LOI; 2) conducting detailed evaluator training prior to the exercise; 3) coordinating and controlling role players and aggressors; 4) compiling the evaluation data submitted by the evaluators and submitting required results to the ED; 5) preparing and conducting a detailed exercise debrief for the evaluated unit(s).

**Training Plan.** Training document that outlines the general plan for the conduct of individual and collective training in an organization for specified periods of time.

U

**Unit CRP.** Unit CRP is a percentage of the E-Coded collective events that support the unit METL accomplished by the unit. Unit CRP is the average of all MET CRP.

Unit Evaluation. All units in the Marine Corps must be evaluated, either formally or informally, to ensure they are capable of conducting their combat mission. Informal evaluations should take place during all training events. The timing of formal evaluations is critical and should, when appropriate, be directly related to the units' operational deployment cycle. Formal evaluations should take place after the unit has been staffed with the majority of its personnel, has had sufficient time to train to individual and collective standards, and early enough in the training cycle so there is sufficient time to correctly identified weaknesses prior to deployment. All combat units and units' task organized for combat require formal evaluations prior to operational deployments.

Unit Training Management (UTM). Unit training management is the use of the SAT and Marine Corps training principles in a manner that maximizes training results and focuses the training priorities of the unit on its wartime mission. UTM governs the major peacetime training activity of the Marine Corps and applies to all echelons of the Total Force.

W

**Waived Event.** An event that is waived by a commanding officer when in his or her judgment, previous experience or related performance satisfies the requirement of a particular event.

## MOTOR-T T&R MANUAL

#### APPENDIX C

#### SIMULATION

Listed in this appendix are applicable simulators/simulations available to improve training for both individual Marines and unit training. Simulators and simulations provide the capability to develop and hone core and core plus competencies and capabilities. Accordingly, the use of training modeling and simulation systems for appropriate T&R events can help maintain valuable combat resources while reducing training time, cost, and risk. For more information regarding training Modeling & Simulation (M&S) Systems, review website:

https://ehqmc.usmc.mil/org/mccdc/TECOM/directorates/MTSB/Internal/default.asp x

1. Supporting Arms Virtual Trainer (SAVT) is a fixed-site, partial dome (260 X 60 degree), virtual immersive training environment for Joint Terminal Attack Controller (JTACs), Forward Air Controllers (FACs), and Joint Forward Observers (JFOs). SAVT provides a "hands-on," immersive, mission-based, combined arms training environment. Personnel shall use training scenarios that require placement of tactical ordnance on selected targets using Joint Close Air Support (JCAS) procedures and observed fire procedures for Naval Surface Fire Support (NSFS), Artillery and Mortar fire. SAVT will provide a briefing and after action room for a group of students to monitor, review mission-based training events, and conduct after-action discussions. SAVT trains Marines to approved standards of training and readiness (T&R) tasks.

2. Indoor Simulated Marksmanship Trainer (ISMT) is an interactive three dimensional audio/video weapons simulator that provides enhanced small arms training in marksmanship, weapons employment, indirect fire, and tactical decision-making for Marines. The ISMT simulates range firing for basic infantry weapons, tactical employment training, call for fire, and shoot/no shoots decision-making drills. The ISMT can be utilized to train individuals, fire teams, and squads effectively and efficiently to the approved standards of combat skills and readiness.

3. Combat Convoy Simulator (CCS) is an interactive immersive training environment for convoy operations during combat, focusing on command and control. Other training capabilities include call for fire, call for close air support, mounted patrols, logistics support, high target extraction, MEDEVAC, and procedures for use of weapons in compliance with rules of engagement (ROE) and local TTPs. A single CCS suite of six vehicles provides for individual, crew, and platoon level training (up to 30 Marines at a time). The CCS trains Marines to approved standards of combat skills and readiness.

4. Deployable Virtual Training Environment (DVTE) is a deployable laptop PC based simulation system capable of emulating organic and supporting Infantry Battalion weapons systems and training scenarios to facilitate T&R based training. DVTE provides each installation and deployed Marine Forces with MAGTF (MEU level) Staff training, individual and collective skills sustainment, rapid planning, and almost spontaneous mission rehearsal capability. DVTE increases training of individual and unit core skills

enhancing a rapid, innovative and interactive small-unit leader decision making, and increased combined arms Training and pre-certification capability. The following is a list of the DVTE training applications/capabilities:

a. <u>Virtual Battlespace 2 (VBS2)</u> is an interactive, three-dimensional synthetic environment in which small unit tactics may be practiced among team members. Photo-realistic terrain, user created mission scenarios, and variable environmental conditions enhance the team training experience. Mission planning and mission rehearsal can be executed from squad to platoon level. VBS2 can be used to support Fire Support Training, convoy operations and tactical guided discussions.

b. <u>Recognition of Combatants (ROC)</u> a series consisting of applications covering Improvised Explosive Device (ROC-IED), Suicide Bomber (ROC-SB), Vehicle (ROC-V), and Aerial (ROC-Aerial) are self-paced computer based training tools designed to improve awareness and recognition of various combatant capabilities and functional considerations.

c. <u>Operational and Tactical Language and Cultural Training System</u> (<u>OTCLTS</u>) is a self-paced language and cultural training application that allows the user to learn Iraqi Arabic, Indonesian, Pashto, Dari, and French languages along with cultural considerations.

d. <u>Forward Observer PC Simulator (FOPCSIM)</u> is an individual Fires trainer which provides training on the basic concepts of fire support. FOPCSIM is a procedural trainer for artillery and mortar Call for Fire. FOPCSIM is also the forward observer component of the Deployable Virtual Training Environment (DVTE) Combined Arms Network (CAN) that provides a training tool for integration of artillery and close air support with maneuver forces.

e. <u>Combined Arms Planning Tool (CAPT)</u> is a standalone tool that can be used to enter and test all elements of your fire support plan. Doctrinal rules have been incorporated into the program, so that once the fire support plan is entered, CAPT runs a "rules based" test on the plan to identify potential trouble areas.

f. <u>Combined Arms Network (CAN)</u> is a computer based training tool that provides standard based training for individual Forward Observers, Forward Air Controllers and Joint Terminal Attack Controllers (JTAC) as well as team training for company fire support teams (FiST). CAN currently supports JTAC/JFO certification training under the TACP T&R Manual.

5. Combined Arms Command and Control Trainer Upgrade System (CACCTUS) provides an institutional means to effectively train Marine staffs and units in all aspects of effectively integrating combined arms assets. The CACCTUS capability provides the full range of combined arms staff training and provides state of the art modeling and simulation networking technology to provide realistic Combined Arms Fire Support for the Marine Air Ground Task Force (MAGTF). The high resolution combat simulation provides the ability to provide ground truth in the exercise, stimulate organic C2 Systems, visually display the impact of supporting arms fires and realistically portray the coordinated actions of friendly forces and the action/reaction of the enemy maneuver forces. The automated communication system replicates tactical communication nets required for command and control of exercising units allowing the training audience to communicate normal warfighting communications and process orders and other information/questions to response

cell controllers. CACCTUS provides an automated after action review capability for live and simulated training thereby allowing the Marine Corps to meet its service training requirements.

6. For more information on current simulations, contact your local Simulation Centers. The following is the contact information:

- a. Battle Simulation Centers (Scheduling Office)
  - (1) I MEF: (760) 725-2385
  - (2) II MEF: (910) 451-5435
  - (3) III MEF:
- MCB Camp Butler: 011-81-611-722-7219/ DSN 315 622-7219/7516
- MCB Hawaii: Simulators & Trainers must be scheduled via RFMSS. 3MAR Simulations Center: (808) 257-2440/ DSN 457-2440 POC Sgt Brannan
  - (4) MAGTF TC: (760) 830-1366/1382

b. Ground Training Simulators (Scheduling Office)

(1) MCB Camp Lejeune: (910) 451-7392

(2) MCB Camp Pendleton: Simulators & Trainers can be scheduled via RFMSS. Training Support Division Help Desk/Ref Desk (760) 725-4444.

(3) MCB Camp Butler: Tactical Training Devices and Simulators Support Section Help Desk, 011-81-98-969-2610/DSN: 623-2610.

(4) MCB Hawaii: Simulators & Trainers must be scheduled via RFMSS. G3
Ops & Training Scheduling Office: (808) 257-8816/ DSN 457-8816.
Modeling & Simulations Division (M&S): (808) 257-1110/ DSN 457-1110.

(5) MAGTF-TC: DVTE (760) 830-5622; SAVT (760) 362-2324; CACCTUS (760) 830-1382; CCS (760) 830-4192 & ISMT (760) 830- 4187. Schedule ODS and HMMWV Egress Assistance Trainer via RFMSS.

# MOTOR-T T&R MANUAL

### APPENDIX D

# CLASS V(W) REQUIRED AMMUNITION

1. The Class  $V({\tt W})$  listed in this appendix is required to train individual and collective  ${\tt T\&R}$  events.

2. The table below lists the events and DODICs required to train personnel within the Motor Transport community:

EVENT CODE	DODIC	NOMENCLATURE	QTY	UOM
MCMT-WPNS- 3001	A059	Cartridge, 5.56mm Ball M855 10/Clip	30	Per Marine
	A062	Cartridge, 5.56mm Ball M855 Linked	800	Per Weapon
	A064	Cartridge, 5.56mm 4 Ball M855/1 Trac	800	Per Weapon
	A131	Cartridge, 7.62mm 4 Ball M80/1 Trace	800	Per Weapon
	A143	Cartridge, 7.62mm Ball M80 Linked	800	Per Weapon
	A151	Cartridge, 7.62mm 4 Ball/1 Tracer Li	800	Per Weapon
	A576	Cartridge, Caliber .50 4 API M8/1 AP	600	Per Weapon
	A598	Cartridge, Caliber .50 Blank M1A1 Li	600	Per Unit
	B542	Cartridge, 40mm HEDP M430/M430A1 Lin	144	Per Weapon
	BA21	Cartridge, 40mm Practice (Day/Night)	144	Per Weapon